

Michael R. Bloomberg
Mayor

The City of New York
Department of Transportation
Division of Bridges

Janette Sadik-Khan
Commissioner

REQUEST FOR PROPOSALS

FOR

**TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR
REPLACEMENT OF BRUCKNER EXPRESSWAY OVER WESTCHESTER CREEK
(UNIONPORT BRIDGE)
BOROUGH OF THE BRONX**

CONTRACT NO.: HBX1131

E-PIN: 84111M0005

PIN: 84111BXBR587

RELEASE DATE OF THE RFP: July 14, 2011

**ANTICIPATED CONTRACT TERM: 3073 Consecutive Calendar Days from the Date of
Written Notice to Proceed for the Preliminary Design
Phase until the Final Completion of Construction
Contract.**

AUTHORIZED AGENCY CONTACT PERSON

Proposers are advised that the Authorized Agency Contact Person for all matters concerning this Request for Proposal is:

Dr. Paul-Michael Kazas
Director, Capital Procurement
55 Water Street, 5th Floor
New York, NY 10041
Telephone: (212) 839-6314
Fax: (212) 839-4043



July 14, 2011

Re: Request for Proposals for
Total Design and Construction Support Services for
Replacement of Bruckner Expressway
over Westchester Creek (Unionport Bridge),
Borough of the Bronx
Contract No. HBX1131
E-Pin No. 84111M0005
Pin No. 84111BXBR587

To Whom It May Concern:

I am pleased to invite your organization to submit a proposal for the Total Design and Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge), Borough of the Bronx to assist the Division of Bridges with its Capital Infrastructure Improvement Program. Specifically, the proposal will be for Engineering Services in connection with the above noted contract.

Please be advised that a Pre-Proposal Conference has been scheduled for July 20, 2011 at 2:00pm, at 55 Water Street, Ground Floor Bid Room. Due to limited space, no more than (2) representatives from each interested firm will be permitted to attend.

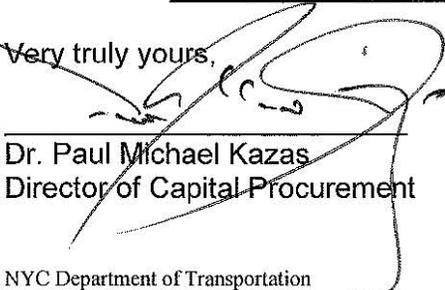
Enclosed for your use in developing your proposal is a set of forms with instructions for the above-referenced project. Be further advised that the selected proposer should not subcontract more than 49% of the contract work. You should follow the submittal instructions carefully.

You should hand deliver your proposal, as indicated in Section IV of the RFP, to the **NYC Department of Transportation, ACCO Contract Management Unit, Ground Floor, 55 Water Street, New York, New York 10041 on or before August 11, 2011 between the hours of 9:00am and 2:00pm only on business days.**

In order that we can expeditiously disseminate additional information regarding this RFP, please complete the attached "**ACKNOWLEDGEMENT OF RECEIPT OF REQUEST FOR PROPOSALS FORM**" and return to Dr. Paul Michael Kazas within 48 Hours of receipt of this RFP by Fax: (212)839-4043.

All questions concerning this invitation must be faxed to Dr. Paul-Michael-Kazas at (212)839-4043 on or before July 21, 2011. If you need to contact my office by telephone, please call (212)839-6314 or e-mail at pkazas@dot.nyc.gov.

Very truly yours,


Dr. Paul Michael Kazas
Director of Capital Procurement

NYC Department of Transportation
Division of Bridges
55 Water Street, New York, NY 10041
T: (212)839-6300 F: (212)839-4043
www.nyc.gov/dot



ACKNOWLEDGEMENT OF RECEIPT OF REQUEST FOR PROPOSALS

WE STRONGLY RECOMMEND THAT YOU FAX THIS SHEET TO US TO ENSURE THAT YOU RECEIVE ALL FUTURE ADDENDA

ATTN.: DR. PAUL-MICHAEL KAZAS- FAX: (212) 839-4043

WE WILL PARTICIPATE IN THE RFP - SEND ANY TECHNICAL ADDENDA TO THE CONTACT PERSON LISTED BELOW:

Consultant:		
Address:		
City	State	ZIP
Contact Person:	Phone #:	Email:
RFP Contract Number (Fill in): Contract No. HBX1131 , E-PIN: 84111M0005 PIN: 84111BXBR587 Fax #		
RFP Contract Title (Fill in): TD/CSS for Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge), Borough of the Bronx		

OR

WE DO NOT PLAN TO SUBMIT A PROPOSAL, BECAUSE (Please check as many as apply).

Please check **all** the reasons that apply and return this form to Dr. Paul Michael Kazas
Fax: (212) 839-4043. E-Mail Address: pkazas@dot.nyc.gov

- 1) Size of this contract is not within the interest of consultant.
- 2) Consultant had an insufficient amount of time to prepare proposal. (Please give the date that the Consultant acquired RFP and any other pertinent information.)
- 3) Contract work not within the specialty of the Consultant. (Please cite Consultant's area of specialty.)
- 4) Other. (Please explain in comment section below.)
- 5) Please remove me from your solicitation list.

Comments: (Please use additional sheets if necessary)

Signature

Title

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SECTION I - TIMETABLE

A. Release Date of the Request for Proposals: July 14, 2011

All questions and request for additional information concerning this RFP should be directed to Dr. Paul-Michael Kazas, the Authorized Agency Contact Person at:

Telephone #: (212) 839-6314
Fax#: (212) 839-4043
E-Mail Address: pkazas@dot.nyc.gov

Proposers should submit questions no later than next business day after the Pre-Proposal Conference to the Authorized Agency Contact Person, since the Agency will not entertain any questions received after that date.

B. Pre-Proposal Conference:

Date: **July 20, 2011**
Time: **2:00pm**
Location: **55 Water Street
Ground Floor, Bid Room
New York, NY 10041**

Attendance by proposers is optional but recommended by the Agency. All questions and requests for additional information concerning the pre-proposal conference should be directed to the Authorized Agency Contact Person.

C. Site Visit and/or Inspection of Materials:

Site visits are not necessary; however, Bin Folders are available for your review upon request. Appointments for site visits and to review the materials must be made to the Authorized Agency Contact Person.

D. Proposal Due Date and Time and Location:

Date: **August 11, 2011**
Time: **NO LATER THAN 2:00 PM**
Location: **NYCDOT ACCO Contract Management Unit
55 Water Street, Ground Floor
New York, New York 10041**

Proposals should be hand delivered to NYCDOT ACCO Contract Management Unit located at 55 Water Street, Ground Floor, New York, New York 10041, between the hours of 9am-2pm only.

E-mailed or faxed proposals will not be accepted by the agency.

Proposals received at this Location after the Proposal Due Date and Time are late and will not be accepted by the agency, except as provided under New York City's Procurement Policy Board Rules.

The agency will consider requests made to the Authorized Agency Contact Person to extend the Proposal Due Date and Time prescribed above. However, unless the agency issues a written addendum to this RFP that extends the Proposal Due Date and Time for all proposers, the Proposal Due Date and Time prescribed above shall remain in effect.

SECTION II - SUMMARY OF THE REQUEST FOR PROPOSALS

A. Purpose of the RFP

The Agency is seeking an appropriately qualified vendor to provide Total Design and Construction Support Services that includes the preparation of designs, bridge studies, preliminary design, final design, the preparation of construction support documents; and bid analysis services in support of the letting of the construction for Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge).

B. Anticipated Contract Term

It is anticipated that the term of the contract(s) awarded from this RFP will be **3073** consecutive calendar days from the date of written notice to proceed for the preliminary design phase until final completion of the construction contract. The agency reserves the right, prior to contract award, to determine the length of the contract term

Anticipated Time Required for completion of Phase I, Preliminary Design Services: **548** consecutive calendar days.

Anticipated Time Required for completion of Phase II, Final Design services: **640** consecutive calendar days.

Anticipated Time Required for completion of Phase III, Construction Support Services: **1885** consecutive calendar days.

C. Anticipated Payment Structure

It is anticipated that the payment structure for the contract awarded from this RFP will be based on a combination of direct technical salary costs times a multiplier, specified direct costs subject to an overall "not-to-exceed" fee (upset amount) and performance outcome measures and related financial incentives and/or disincentives. The multiplier shall be applied only to technical salary costs and shall be considered as including provisions for indirect costs (overhead) and profit. However, DOT will consider proposals to structure payment in a different manner and reserves the right to select any payment structure that is in the City's best interest.

D. Exclusion from Participation in Subsequent Solicitation(s)

This RFP is for the Total Design & Construction Support Services for Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge). The selected proposer from this RFP shall not be allowed to participate, whether as a consultant or sub-consultant, in response to a subsequent solicitation(s) utilizing the specifications they drafted, except as provided under New York City's Procurement Policy Board Rules.

SECTION III - SCOPE OF SERVICES

A. Agency Goals and Objectives

The agency's goals and objectives are to have Resident Engineering Inspection Services to be performed by the Consultant are to ensure that the work of the Contractor conforms to the provisions of the contract documents as stipulated in Section VII of the RFP.

B. Agency Assumptions Regarding Consultant Approach

The agency's assumptions regarding which approach will best achieve the goals and objectives set out above are reflected in the Proposed Contractual Agreement. (See Section VII, Attachment A)

C. Proposed Contractual Agreement

Each successful proposer shall negotiate an agreement based on the Proposed Contractual Agreement (See Section VII, Attachment A). Such agreement shall contain the appropriate United States Department of Transportation and New York State Department of Transportation requirements, including but not limited to "NYSDOT procedures for Locally Administered Federal Aid Projects"

In addition, the proposers must submit the "Disclosure of Lobbying Activity" and "Certification of Contractor regarding Debarment, Suspension and other Responsibility Matters" attached in Appendix A-II with its Technical Proposal.

D. Opportunity for Disadvantaged Business Enterprise

The NYC Department of Transportation encourages firms to meet New York State's Disadvantaged Business Enterprise (DBE) utilization goal of **18%**. The successful proposers must show good faith efforts that it attempted to meet the DBE goal.

- ◆ List of certified DBE firms can be obtained from the following website:
<http://biznet.nysucp.net/>

E. Compliance with Local Law 34 of 2007 (See Attachment 'G')

Pursuant to Local Law 34 of 2007, amending the City's Campaign Finance Law, the City is required to establish a computerized database containing the names of any "person" that has "business dealings with the City" as such terms are defined in the Local Law. In order for the City to obtain necessary information to establish the required database, **vendors responding to this solicitation should complete the Doing Business Data Form (see Attachment H) and return it with this proposal.** The submission of a Doing Business Data Form that is not accurate and complete may result in appropriate sanctions.

SECTION IV: FORMAT AND CONTENT OF THE PROPOSAL

Instructions: Proposers should provide all information required in the format below. The proposal should be typed on both sides of 8 1/2" X 11" papers. The City of New York requests that all proposals be submitted on paper with no less than 30% post consumer material content, i.e., the minimum recovered fiber content level for reprographic papers recommended by the United States Environmental Protection Agency (for any changes to that standard please consult: <http://www.epa.gov/cpg/products/printing.htm>). Pages should be paginated.

The Proposal package should consist of four (4) individually sealed components as listed below, each bound in an 8 1/2" x 11" plastic spiral binding. No pictures or drawings should be included, except for the cover. The cover should be hard cardboard or laminated plastic, the cover should feature the name of the responding firm(s) and the contract name and number. Responses should be typed using 12 point font. Responses on pre-printed forms should be no smaller than 8 point font, and then only when necessary. The response may include a one page bound transmittal letter, which summarizes the respondent's understanding of the project and its ability to successfully accomplish the job. Each section should be tabbed and labeled to correspond with each section listed (i.e. 1T, 2T, 3T, 4T, 5T, 6T Form 330, Forms 4T1, 4T2, 4T3).

The proposal will be evaluated on the basis of its content, not length. Failure to comply with any of these instructions will not make the proposal non-responsive.

A. Proposal Format

1. Component 1: Procedural Forms

A Procedural Forms packet has been supplied with this Request for Proposals and should be fully completed and ONLY one (1) original set should be submitted in a separate sealed envelope and included in your proposal package as follows:

FORM 1P	PROPOSAL COVER LETTER
FORM 2P	ACKNOWLEDGEMENT OF ADDENDA
FORM 3P	AFFIRMATION FORM

The Original Procedural Forms Packet which should include completion of all Procedural forms, required procedural documents, signed certifications and Supplementary information.

2. Component 2: Proposal Forms

A Proposal Forms Packet has been supplied with this Request for Proposals and should be fully completed and ONLY one (1) original and six copies should be submitted in a separate sealed envelope and included in your proposal package as follows:

FORM 1T	QUALITY & RELEVANCE OF PRIOR EXPERIENCE (FIRM IN GENERAL)
FORM 2T	PROPOSED STAFF (RESUMES)/EXPERIENCE
FORM 3T	OVERALL PROJECT UNDERSTANDING AND APPROACH
FORM 4T	JOB TITLES & HOURS PROPOSED
FORM 5T	NYCDOT CURRENT WORKLOAD DISCLOSURE (2 PGS.)
FORM 6T	DBE PARTICIPATION
FORM 330	STANDARD FORM

3. Component 3: Cost Proposal

A Cost Proposal Forms Packet has been supplied with this Request for Proposals and should be fully completed and ONLY one (1) Original set should be submitted in a separate sealed envelope and included in the proposal package as follows:

FORM 4T1
FORM 4T2
FORM 4T3

**LABOR COST PROPOSAL*
COST PROPOSAL SUMMARY
PERFORMANCE OUTCOME MEASURES AND
FINANCIAL INCENTIVES AND/OR DISINCENTIVES**

NOTE:* FORM 4T1 (COLUMNS 3, 4 AND 5), AND FORM 4T2 ARE TO BE COMPLETED AND SUBMITTED IN A SEPARATE SEALED ENVELOPE AS PART OF YOUR COST PROPOSAL PACKET

Performance Outcome Measures and Financial Incentives and/or Disincentives

Performance outcome measures and their related financial incentives and/or disincentives should be proposed in Form 4T3. List and describe desired performance outcomes or targets for the work to be performed by the proposer under the contract along with the related financial incentives and/or disincentives that could potentially be applied to the contract. The proposer's proposed performance outcome measures and related financial incentives and/or disincentives may be considered by the agency while awarding the contract and structuring its payments to consultants.

4. Component 4: Local Law 34 – “Doing Business Data Form”

A Doing Business Data Form Packet has been supplied with this Request for Proposals (Attachment G) and should be fully completed and ONLY one (1) original set should be submitted in a separate sealed envelope with the Technical Proposal package.

All components should be individually sealed and labeled (i.e., Component 1, Component 2, Component 3 & Component 4) to indicate the contents of each package and placed in an outer envelope or wrapper. All component packages, outer envelope or wrappers shall be addressed as follows:

Proposer's Name	NYC Department of Transportation ACCO Contract Management Unit
Address	55 Water Street, Ground Floor New York, New York 10041
E-PIN No.	84111M0005
PIN No.	84111BXBR587
CONTRACT NO.	HBX1131
TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR REPLACEMENT OF BRUCKNER EXPRESSWAY OVER WESTCHESTER CREEK (UNIONPORT BRIDGE) BOROUGH OF THE BRONX PROPOSAL SUBMISSION DEADLINE IS AUGUST 11, 2011. NO LATER THAN 2:00 PM	

The individually sealed proposals should be submitted at the time and place as indicated in Section I, Timetable.

B. Proposal Package Contents (“Checklist”)

CHECKLIST FOR RFP

The Proposal Packet should contain the following materials. Proposers should utilize this section as a checklist to ensure completeness prior to submitting their proposal to the Agency.

**1. COMPONENT 1: PROCEDURAL FORMS – Submit ONLY one (1) original set
*(To be submitted in a separate sealed envelope along with the Technical Proposal)***

- 1P Proposal Cover Letter
- 2P Acknowledgment of Addenda
- 3P Affirmation Form

**2. COMPONENT 2: PROPOSAL FORMS – Submit ONLY one (1) original and six copies
*(To be submitted in a separate sealed envelope along with the Technical Proposal)***

- 1T Quality and Relevance of Prior Experience (Firm in General)
- 2T Proposed Staff (Resumes)/Experience
- 3T Overall Project Understanding & Approach
- 4T Job Titles and Hours Proposed
- 5T NYCDOT Workload Disclosure (2 pgs.)
- 6T DBE Participation
- 330 Standard Form

**3. COMPONENT 3: COST PROPOSAL – Submit ONLY one (1) original set
*(To be submitted in a separate sealed envelope along with the Technical Proposal)***

COST PROPOSAL

- 4T-1 Labor Cost Proposal
- 4T-2 Cost Proposal Summary
- 4T-3 Performance Outcome Measures and Financial Incentives and/or Disincentives

4. COMPONENT 4: LOCAL LAW 34 –“Doing Business Data Form”- Submit ONLY one (1) original set

- Doing Business Data Form
(To be submitted in a separate sealed envelope along with the Technical Proposal)

SECTION V: PROPOSAL EVALUATION AND CONTRACT AWARD PROCEDURES

A. Evaluation Procedures

All proposals accepted by the Agency will be reviewed to determine whether they are responsive or non-responsive to the requirements of this RFP. Proposals that are determined by the agency to be non-responsive will be eliminated from further consideration. The agency's Consultant Selection Committee (CSC) will evaluate and rate all responsive proposals based on the Evaluation Criteria prescribed below.

In order to establish the technical evaluation ranking, the ratings by the evaluation committee members will be added and averaged for each proposing firm. Upon completion of the evaluation of the Technical Proposals, proposers will be ranked in descending order of score.

Based on these rankings, a "short-list" will be established of only those proposers who submit highly relevant and technically viable proposals with relevant and adequate experience, overall project understanding, approach and innovativeness in all project areas. Proposers not included on the "short-list" will not be further considered. The Agency reserves the right to limit the number of firms shortlisted.

The Agency reserves the right to conduct site visits and/or interviews and/or to request that proposers make oral or visual presentations in support of their proposals or to exhibit or otherwise demonstrate or clarify the information contained in their proposals. Subsequent to any such presentations, the CSC will prepare revised rating sheets.

The agency shall rank proposers by technical merit and pursuant to Federal/State Method of procurement (Brooks Law) the price proposal of ONLY the highest technically ranked firm will be opened and reviewed by the consultant selection committee (CSC) to determine whether it is responsive or non-responsive. Following analysis of the responsive price proposal by the CSC, the Agency then consider price by negotiating a fair and reasonable price with the highest technically ranked proposer. In the event that the agency has chosen to negotiate a fair and reasonable price with the highest technically ranked proposer, if such a fee is not successfully negotiated, the agency may conclude such negotiations, and enter into negotiations with the next highest technically ranked proposer(s), as necessary.

All unopened price proposals will be returned back to the respective proposers upon registration of the contract.

Although discussions may be conducted with proposers submitting acceptable proposals, the agency reserves the right to award contracts on the basis of initial proposals received, without discussions; therefore, the proposer's initial proposal should contain its best programmatic and cost terms.

B. Evaluation Criteria

Each technical proposal will be evaluated based on the following technical criteria and weights:

1. Quality & Relevance of Prior Experience	
- Proposed staff (Resumes)	35%
- Firm in general	20%
2. Quality of Proposal	
- Overall Project Understanding	20%
- Approach	15%
- Innovation	05%
3. Staff Availability	
- Workload - Staff Availability	<u>05%</u>
	100%

C. Basis for Contract Award

A contract will be awarded to the responsible proposer whose proposal is determined to be the most advantageous to the City, taking into consideration the price and such other factors or criteria which are set forth in this RFP. Award of this contract shall be subject to timely completion of contract negotiation between the Agency and the selected proposer.

D. Exclusion from Participation in Subsequent Solicitation(s)

This RFP is for the Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge). The selected proposer from this RFP shall not be allowed to participate, whether as a consultant or sub-consultant, in response to a subsequent solicitation(s) utilizing the specifications they drafted, except as provided under New York City's Procurement Policy Board Rules.

SECTION VI - GENERAL INFORMATION TO PROPOSERS

A. Complaints. The New York City Comptroller is charged with the audit of contracts in New York City. Any proposer who believes that there has been unfairness, favoritism or impropriety in the proposal process should inform the Comptroller, Office of Contract Administration, 1 Centre Street, Room 835, New York, NY 10007; the telephone number is (212) 669-3000. In addition, the New York City Department of Investigation should be informed of such complaints at its Investigations Division, 80 Maiden Lane, New York, NY 10038; the telephone number is (212) 825-5959.

B. Applicable Laws. This Request for Proposals and the resulting contract award(s), if any, unless otherwise stated, are subject to all applicable provisions of New York State Law, the New York City Administrative Code, New York City Charter and New York City Procurement Policy Board (PPB) Rules. A copy of the PPB Rules may be obtained by contacting the PPB at (212) 788-7820.

C. General Contract Provisions. Contracts shall be subject to New York City's general contract provisions, in substantially the form that they appear in "Appendix A—General Provisions Governing Contracts for Consultants, Professional and Technical Services" or, if the Agency utilizes other than the formal Appendix A, in substantially the form that they appear in the Agency's general contract provisions. A copy of the applicable document is available through the Authorized Agency Contact Person.

D. Contract Award. Contract award is subject to each of the following applicable conditions and any others that may apply: New York City Fair Share Criteria; New York City MacBride Principles Law; submission by the proposer of the requisite New York City Department of Business Services/Division of Labor Services Employment Report and certification by that office; submission by the proposer of the requisite VENDEX Questionnaires/Affidavits of No Change and review of the information contained therein by the New York City Department of Investigation; all other required oversight approvals; applicable provisions of federal, state and local laws and executive orders requiring affirmative action and equal employment opportunity; and Section 6-108.1 of the New York City Administrative Code relating to the Local Based Enterprises program and its implementation rules.

E. Proposer Appeal Rights. Pursuant to the PPB Rules, proposers have the right to appeal Agency non-responsiveness determinations and Agency non-responsibility determinations and to protest an Agency's determination regarding the solicitation or award of a contract.

F. Multi-Year Contracts. Multi-year contracts are subject to modification or cancellation if adequate funds are not appropriated to the Agency to support continuation of performance in any City fiscal year succeeding the first fiscal year and/or if the contractor's performance is not satisfactory. The Agency will notify the contractor as soon as is practicable that the funds are, or are not, available for the continuation of the multi-year contract for each succeeding City fiscal year. In the event of cancellation, the contractor will be reimbursed for those costs, if any, which are so provided for in the contract.

G. Prompt Payment Policy. Pursuant to the PPB Rules, it is the City's policy to process contract payments efficiently and expeditiously.

H. Prices Irrevocable. Prices proposed by the proposer shall be irrevocable until contract award, unless the proposal is withdrawn. Proposals may only be withdrawn by submitting a written request to the Agency prior to contract award but after the expiration of 90 days after the opening of proposals. This shall not limit the discretion of the Agency to request proposers to revise proposed prices through the submission of best and final offers and/or the conduct of negotiations.

I. Confidential, Proprietary Information or Trade Secrets. Proposers should give specific attention to the identification of those portions of their proposals that they deem to be confidential, proprietary information or trade secrets and provide any justification of why such materials, upon request, should not be disclosed by the City. Such information must be easily separable from the non-confidential sections of the proposal. All information not so identified may be disclosed by the City.

J. RFP Postponement/Cancellation. The Agency reserves the right to postpone or cancel this RFP in whole or in part, and to reject all proposals.

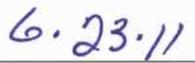
K. Proposer Costs. Proposers will not be reimbursed for any costs incurred to prepare proposals.

L. Vendex Fees. Pursuant to PPB Rule 2-08(f)(2), the contractor will be charged a fee for the administration of the VENDEX system, including the Vendor Name Check process, if a Vendor Name Check review is required to be conducted by the Department of Investigation. The contractor shall also be required to pay the applicable required fees for any of its subcontractors for which Vendor Name Check reviews are required. The fee(s) will be deducted from payments made to the contractor under the contract. For contracts with an estimated value of less than or equal to \$1,000,000, the fee will be \$175. For contracts with an estimated value of greater than \$1,000,000, the fee will be \$350. The estimated value for each contract resulting from this RFP is estimated to be (less than or equal to \$1 million) (above \$1 million).

M. Charter Section 312(a) Certification. [IF APPLICABLE] The Agency has determined that the contract(s) to be awarded through this Request for Proposals (**E-Pin: 84111M0005, Pin: 84111BXHR587**) Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge) will not directly result in the displacement of any New York City employee.



(Commissioner) (Agency Chief Contracting Officer)



Date

Message from the NYC Vendor Enrollment Center: *Get on mailing lists for NYC contract opportunities!*

Submit a NYC-FMS Vendor Application - Call 212/857-1680

SECTION VII

ATTACHMENTS

- A) **Proposed Contractual Agreement,
Procedures for Bridge Reconstruction Project Report, &
Specifications for the Preparation of Record Drawings and Electronic
Media**
- B) **General Provisions (Appendix A2) &
MacBride Principles Provisions**
- C) **Procedural Forms Packet**
- D) **Proposal Forms Packet**
- E) **Cost Proposal Forms Packet**
- F) **Confirmation of Vendex Compliance**
- G) **Local Law 34 – Doing Business Instructions and Data Form
*(To be submitted in a separate sealed envelope along with the Technical
Proposal)***
- H) **FHWA Requirements**
- I) **FTA Requirements &
Standard Clauses for All New York Contracts**
- J) **FHWA/FTA Forms**

SECTION VII

A) PROPOSED CONTRACTUAL AGREEMENT

**PROCEDURES FOR BRIDGE RECONSTRUCTION PROJECT
REPORT**

**SPECIFICATIONS FOR THE PREPARATION OF DRAWINGS
AND ELECTRONIC MEDIA**

**TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR
REPLACEMENT OF BRUCKNER EXPRESSWAY OVER WESTCHESTER
CREEK (UNIONPORT BRIDGE)
BOROUGH OF THE BRONX**

CONTRACT NO.: HBX1131

E-PIN: 84111M0005

PIN: 84111BXBR587

SCOPE OF WORK

**TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES
FOR
REPLACEMENT OF BRUCKNER EXPRESSWAY OVER WESTCHESTER CREEK
(UNIONPORT BRIDGE)
BOROUGH OF THE BRONX
CONTRACT NO.: HBM1165
E-PIN: 84111M0005
PIN: 84111BXBR587
BIN 1-06651-0**

INTRODUCTION:

The Unionport Bridge is a movable bridge located in the midst of the Bruckner interchange in the Bronx, New York (see attached Fig. 1). The bridge is an important link between the Cross Bronx Expressway, Bruckner Expressway, and the Hutchinson River Parkway. The existing Unionport Bridge is a double-leaf trunnion bascule bridge supporting Bruckner Expressway over Westchester Creek. The original swing-type Bridge was built around 1872 in the vicinity of the current bridge. In 1918 a new double leaf bascule Bridge was opened, which accommodated double trolley tracks and two 8-foot sidewalks. In early 1950's an additional bridge was constructed parallel to the original to upgrade to an expressway. The bridge was opened to traffic in 1953. In 1971, major modifications to the bridge were performed that included demolition of the north side of the bridge for the overhead Bruckner Expressway foundation and modification of the approaches.

BRIDGE DATA:

The bridge structure consists of three waterway spans and concrete approaches. The bascule span is a double leaf steel framed structure spanning 75 feet center to center of trunnions. The spanning spans are the steel structures with concrete deck spanning 42 feet over the waterway on each side of the bascule span. The bridge carries two westbound and three eastbound lanes of traffic on a 58 foot wide roadway and pedestrian traffic on a 7.5 feet wide south sidewalk and a 3.5 ft wide north safety walk. The bridge provides a channel with a horizontal clearance of 60 feet and a vertical clearance, when closed, of 21 feet at mean low water (MLW) and 14 feet at mean high water (MHW). The gate operator's house and the control house are located on the north side adjacent to the bridge safety walk. The approach spans consist of a series of spans on the west and on the east side of the flanking spans. All (four) Ramps are located on the west approach. The existing approach spans and ramps are rigid concrete frame structures with two-way slabs. The east bridge approach is founded on piles and the west bridge approach and ramps are founded on caissons into rock.

The existing utilities include Con Edison conduits, located under the bridge approaches and submarine cables under the Westchester Creek. In addition, there are NYCDEP utilities under the approach structures, fire alarm and telephone conduits under the north sidewalk of Ramp A, drainage scuppers, street lighting and traffic signals. In 2007, traffic counts totaled approximately 65,000 average daily traffic

(ADT) in both eastbound and westbound directions. The movable span opens approximately once a day to allow vessels access to oil storage facility and marina upstream of the bridge.

The existing plans, reports, a copy of power point presentation and other documents are available to the Consultant for review upon request by appointment.

PROJECT JUSTIFICATION:

Originally, the Unionport Bridge was considered for a rehabilitation contract only. Based on the 2006 NYSDOT Biennial inspection and flags, the Department decided to conduct a re-inspection of the bascule span to re-evaluate the rehabilitation measures. The main structural members of the bascule span framing were found to be severely deteriorated. Therefore, in 2007, the Department considered a replacement of the bascule span. However, the bascule span replacement required the construction of at least two temporary movable bridges for traffic detour. This option was found not feasible due to several factors and conditions.

NYCDOT then decided to replace the entire bridge with a new structure in the same location. The subsequent 2010 feasibility study concluded that the entire existing bridge, including approaches and ramps, can be demolished and replaced with a new widened bridge that will eliminate existing substandard features, provide a long life span bridge and benefit the community more than a rehabilitated bridge. The new scope for the bridge replacement and approaches shall include a complete replacement of the bascule, flanking and approach spans (superstructures and substructures) with a new widened structure that provides six 12-foot traffic lanes, 10-foot shoulders, 5-foot standard width sidewalks and a 10-foot dedicated Class One bike path on the south side of the bridge (See attached Fig.2). There will be a new control house, new utilities, new machinery and electrical system, new fender system and dolphins, and new street lighting and signals.

PROJECT LIMITS:

Project limits shall be approximately as follows:

- North:** 50 ft beyond the existing dolphins at the bridge and 50ft. beyond the existing fascia of Ramp A
- South:** 60ft. beyond the existing fascia at bridge, approaches/ramps
- East:** 20 ft. beyond the eastern curb of Brush Ave
- West:** 20 ft. beyond the western curb of Zerega Ave

OBJECTIVES:

A. PRELIMINARY DESIGN FOR THE TOTAL REPLACEMENT OF THE EXISTING BRIDGE:

GENERAL SCOPE OF WORK:

Upon notice to proceed by the NYCDOT, the Consultant shall prepare the Preliminary Design for the replacement of the Unionport Bridge structure by advancing/improving the alternative indicated in a copy of the Power Point Presentation of the 2010 Feasibility Study for Replacement of the Unionport Bridge. This phase culminates in the issuance of a Design Approval Document. The Preliminary Design shall show sufficient details and be prepared according to the latest NYCDOT and NYSDOT requirements to ensure constructability of the proposed bridge replacement and to serve as a basis for the development of the final design. The Consultant shall develop the Work Zone Traffic Control (WZTC) plans and provide all necessary traffic study and design. The Preliminary Design shall also include a separate itemized scope of work, cost estimate and specifications.

The Unionport Bridge shall be designed to meet the latest requirements of the AASHTO Load and Resistance Factor Design (LRFD) Specifications for Movable Bridges and the AASHTO LRFD Specifications for Highway Bridges, the “LRFD Blue Pages”, the Guide Manual for Condition Evaluation and Load and Resistance Factor Rating (LRFR) of Highway Bridges, the NYS Standard Specifications for Highway Bridges, and latest NYS Engineering Instructions and Bulletins. The Consultant shall consult the NYSDOT Bridge Manual (BM) and the NYSDOT Highway Design Manual (HDM) for policies, guidance, details and interpretation of the design specifications.

Roadway design shall follow the latest AASHTO standards for geometric controls and Work Zone Traffic Control (WZTC) plans criteria and the latest versions of the Manual on Uniform Traffic Control Devices (MUTCD).

Navigation channel clearances shall meet or exceed the existing clearances. The minimum clearances between the proposed bridge fascias and edge of the Bruckner and the Cross Bronx Expressways shall be established during design process upon approval of the NYC/NYSDOT. In regard to the Life Cycle Cost considerations, the Estimated Service Life shall be 75 years. The Preliminary Plans shall be prepared in English units.

The general scope of work shall include, but not limited to, the following major items:

A) SUPERSTRUCTURE:

- Demolish the existing Bascule, Flanking and Approach spans in stages (see MPT under item
- Design new superstructure for the Bascule, Flanking and Approach/Ramp spans in stages. The existing double leaf, fixed trunnion, bascule bridge will be replaced with a new movable span of bascule type.

B) SUBSTRUCTURE:

- Demolish, as required, the existing piers/abutments of the Bascule, Flanking and Approach/Ramp spans in stages
- Design new substructures for the Bascule, Flanking and Approach/Ramp spans in stages.

C) APPROACHES:

- Demolish the existing approach slabs/ramps and roadways in stages as required.
- Design new approach slabs, ramps and roadway pavements in stages as required within the project limit including intersections at Zerega Ave/Ramps and at Brush Ave/Bruckner Boulevard.

D) UTILITIES:

- Replace and maintain the existing utilities as required within the project limits.
- Protect, support and maintain the existing NYCDEP sanitary/sewer utilities during construction. The Consultant shall receive a written approval from NYCDEP and comply with their comments and requests.
- Provide coordination with private utilities, including Con Edison for electrical conduits and vault under the approach structures.
- Design new submarine cables under the Westchester Creek
- Remove all existing utilities in the Control and Operator houses and design new utilities in the new Control/Operator house.
- Design new scuppers and drainage system.

- Design new street lighting and traffic signals.
- E) WORK ZONE TRAFFIC CONTROL (WZTC):
Demolition and construction of the structures shall be performed in stages as indicated below under section 2.5c.
- F) OPERATOR/CONTROL HOUSES:
- Demolish the existing Operator and Control Houses including machinery and all utilities.
 - Design new Operator and Control Houses including water, sewer, HVAC, electrical, and telephone utilities, fire alarm, lighting, power, etc., and mechanical system.
 - Design Temporary Operator House and temporary facilities as required.
- G) ELECTRICAL and MECHANICAL:
The Engineer shall determine and show the following on the contract plans as a minimum:
- Removal of the existing electrical and mechanical systems of the bascule bridge
 - New electrical and mechanical systems of the new movable bascule bridge
 - New electrical equipment
 - New Programmable Logic Controller (PLC)
 - New Motor Drive System
 - New Fire Alarm system
 - New Security System
 - New Emergency Drive System
 - New Pigeon Proofing (all machinery areas)
 - Balancing of bascule span during and after construction
 - Temporary power distribution
 - Temporary control system
 - Phasing sequence
- H) TRAFFIC CONTROL SYSTEM:
- Design new Warning Gates and Barrier gates
 - Design new Traffic Signals
 - Design new Sign structure(s)
 - New stripping and pavement marking
- I) FENDER SYSTEM:
- Remove and replace the existing fender system, sheeting and dolphins with new system.

All of the above items of work shall be accomplished under one or more of the following **specific major tasks** and services at a minimum:

SPECIFIC SCOPE OF WORK:

Task 1: Field Investigations

1.1 Collection of Information and Record Retrieval:

- a) The Engineer shall obtain and review all available information and record data. To the extent feasible, the Bridge Reconstruction Project Report (BRPR) of 1998 may be utilized to develop the Design

Report for the new project. The existing Hazardous Material Assessment Report and findings for contaminated soils also may be utilized to identify contaminated soil and remedial measures. The other available information/reports that were prepared for the rehabilitation of the Unionport Bridge may be used as well, however, the Consultant is responsible to independently validate all information and if necessary to obtain any additional information to proceed with the preliminary design for replacement of the existing bridge.

- b) The Engineer shall review the available copy of Power Point Presentation of the 2010 Feasibility Study for Replacement of the Unionport Bridge. The configuration shown in the alternative shall be advanced/improved as required and recommended for the Preliminary Design.

1.2 Re-Inspection, Survey, Subsurface & Sediment Investigations and Hazardous Material Survey:

To support the design for the complete bridge replacement and environmental assessment, new/additional site investigations shall be performed as a minimum:

- a) **Re-Inspection:** Perform re-inspection of the structure to re-evaluate, validate and update the existing inspection reports required for development of the Design Report and Environmental Assessment. The Consultant shall address the flag conditions in accordance with the NYCDOT standards and requirements.
- b) **Underwater Inspection:** Perform underwater inspection of the existing substructure, fender system, dolphins, etc., confirm location of a submarine cable, and identify potential issues for construction. The Consultant shall prepare a separate report for the Underwater Inspection and deliver for review and approval to the Department.
- c) **Survey:** Limit of topographic survey shall be such that all utilities, NYS columns and property lines adjacent to the project are included. The approximate limit of survey shall be:

North: Near Chatterton Ave at Zerega Ave and minimum 100ft from the North fascia of the bridge
South: min. 20 ft. from SE corner of Zerega Ave and Bruckner Blvd Service Road and min.60ft from SE corner of Brush Ave and Bruckner Blvd Service Road.
East: 50ft. beyond the eastern curb of Brush Ave.
West: 20ft beyond the western curb of Zerega Ave

- The Consultant shall obtain the services of a Professional Engineer and Land Surveyors Licensed in State of New York to survey and inspect the area within project limits for the total replacement of the existing moveable structure with a new moveable structure meeting the latest AASHTO and NYSDOT standards.
- The Consultant shall perform a topographic survey according to the Field Survey Requirements to support environmental assessment and final design. The existing utilities, including underground utilities, shall be surveyed and located on the plans.
- The Consultant shall survey the existing ROW in the vicinity of the project.
- The Consultant shall survey the soil boring locations as required by the Geotechnical Subsurface Investigation as indicated below in section 1.2e.
- The Topographic Survey Report and drawings shall be delivered to the Department.

Hydrographic Survey: The Consultant shall perform a hydrographic survey of the bottom of the Westchester Creek in the vicinity of the Unionport Bridge. The Consultant shall provide stream profiles and cross sections for the hydraulic analysis of the Westchester Creek. In addition, the Consultant shall identify any debris or obstructions as required by the project permit applications and construction. The hydrographic survey shall be performed using standards and/or routinely accepted practices of the geophysical industry and equipment representing the available technology upon approval of the NYCDOT.

The Hydrographic Survey Report and drawings shall be delivered to the Department.

d) Additional Soil and Coring Borings:

In developing the Soils Investigation Program, the existing information from prior work in the area shall be considered, but not limited to the prior BRPR, Geotechnical Foundation Report and Geotechnical Design Summary Report prepared by URS in 1999 & 2004 and other soil boring data available from the Bruckner Expressway project. Where existing information is adequate, it may be utilized and, if needed, a supplemental subsurface investigation program shall be performed, including new borings, rock coring and sampling.

The Consultant, in compliance with all applicable City/State/Federal regulations, shall retain the services of a qualified Geotechnical Investigation contractor to obtain the additional required soil/rock samples, to conduct in situ field-testing and installation of geotechnical instrumentation. The Consultant, in compliance with all applicable City/State/Federal regulations, shall retain the services of a qualified testing laboratory to perform the approved tests on soils/rock.

The Consultant shall prepare a summary report with borings/corings and laboratory data, including rock strength testing, and deliver it to NYCDOT for the review and approval before implementing the results of the Soil Investigation Program into the Geotechnical Foundation Report.

e) Hazardous Material and Sediment Investigations:

The Hazardous Materials assessment shall be performed to obtain and evaluate data necessary for developing environmental assessment.

The Consultant shall review and utilize as needed the available Hazardous Material Assessment Report and Phase II Environmental Site Investigation Finding Report, prepared by EPM in 1998 and 2004 respectively, and BRPR prepared by URS in 1998, to identify hazardous materials, Lead Containing Materials ((LCM) and Asbestos Containing Materials(ACM) contaminated soil and remedial measures. The Consultant shall determine whether any supplemental investigation is required for the proposed structure for developing the environmental assessment and, if required, to conduct the abatement of hazardous materials in accordance with applicable NYSDOT Specifications and all applicable Federal, State and City regulations.

Soil/Sediment Investigations:

The new bridge will require construction of new abutments, piers and retaining walls, new foundation for the control houses and new fender system. It also includes the installation of new submarine cables. The Consultant shall review and utilize the available existing environmental

reports, listed in this document, to determine the need for supplemental soil/sediment investigation. The additional soil/sediment investigation program shall be approved by NYCDOT.

The results of the environmental assessments shall be provided in the summary documents and submitted to NYCDOT prior to incorporating them into the Design Report/Environmental Assessment Statement.

Task 2: New Structure Design, Geotechnical Foundation Report, Seismic Analysis/Design, Environmental Assessment Statement, Permits and Design Report

Based on all field investigations, survey and inspections, the Consultant shall prepare the Geotechnical Foundation Report, the Seismic Analysis, the Environmental Assessment Statement (EAS) and the Design Report and submit them to the New York City Department of Transportation, Division of Bridges for review and approval.

2-1 Geotechnical Foundation Report:

In developing the Geotechnical Foundation Report, the Consultant shall review the existing available information from the BRPR Geotechnical Foundation Report prepared by URS in 1999 and the Geotechnical Design Summary Report, prepared by URS in 2004. Where existing information is adequate, it will be utilized in developing a new report. The Geotechnical Foundation Report shall include the subsurface investigation, establish static, seismic and geotechnical parameters and provide recommendation for new foundations of the bridge, approaches, ramps, the operator house and fender system, including their costs. The report shall be prepared in accordance with the current standards and criteria and include the following information at a minimum:

- Description of the proposed structure
- Boring logs, soil/rock profile(s), laboratory and field test results, and ground water information.
- Interpretation and analysis of subsurface data.
- Static, seismic and geotechnical parameters required for foundation design, soil structure interaction, and structural modeling
- Liquefaction potential of subsurface soils.
- Discussion of anticipated construction problems and solutions.
- Soil liquefaction analyses
- Determination of the capacity of new foundations for the proposed structures.

The Consultant shall prepare a Geotechnical Design Summary Report with conclusions and recommendations. The Draft Report shall be delivered to NYCDOT for review and comments. The Consultant shall implement the comments into the Final Report.

2-2 Seismic Analysis/Design

A seismic design/analysis for the new bridge and approaches shall be performed in accordance with the latest requirements of the AASHTO, NYSDOT, NYCDOT Guidelines, NYS Engineering Instruction and Bulletins for updated standards & guidance. The seismic analysis shall include the three-dimensional modeling of bascule, flanking, approach spans and ramp structures. The Unionport Bridge will be classified as a “Critical Bridge”. This bridge must be designed to serve as an important link for civil defense, police, fire department and/or public health agencies to respond to a disaster situation after a seismic event. The software model of the bridge shall be analyzed for response spectrum seismic loading

as per the AASHTO, NYS, NYC criteria for seismic hazard. The Consultant shall evaluate the soil and site effects upon the rock motions. A separate Seismic Assessment Report shall be delivered to NYCDOT for review and comments. The Consultant will be required to implement all comments and deliver the final report to the appropriate agencies.

2-3 Environmental Assessment Statement (EAS):

The Consultant shall prepare the Environmental Assessment Statement (EAS) and submit the City Environmental Quality Review (CEQR) reports and documentation to NYCDOT.

It is anticipated that the construction of the Unionport Bridge will have a Federal Highway Administration Funding. Based on the initial meetings with the State and Federal agencies, this project could potentially be qualified for the Environmental Assessment Statement (EAS) with NEPA Checklist and Design Report with Categorical Exclusion with Documentation (CATEX). For the environmental documentation, the purpose of this project is to provide operational/safety improvements to a transportation facility. It is anticipated that the State Environmental Quality Review (SEQR) document would not be required. Based on the preliminary information, a formal public outreach may not be required to satisfy the NEPA and CEQR processes.

The Consultant shall prepare the CEQR/EAS in accordance with the 2010 CEQR Technical Manual and other documentation and approvals as required by the NYC, NYS Department of Transportation and Federal Highway Administration, including all required assessment forms, analyses, attachments, maps, plans, drawings and sketches, tables, figures, photos and references. See also Task 2-4 for the Design Report that includes a description of alternatives.

Preparation of the Draft EAS and Final EAS:

The Consultant shall prepare a draft EAS for submittal to NYCDOT for review and comment and shall incorporate NYCDOT comments into the Final EAS. Six copies of each of the above reports shall be submitted to the NYC Department of Transportation, Division of Bridges

2-4 Design Report:

Design Approval Document for a complete replacement of the existing bridge shall be prepared according to the latest NYSDOT Project Development Manual (PDM) and all applicable public laws and regulations, in support of the comprehensive review and assessment of the NEPA/CEQR process, and reference applicable programs, plans, policies, initiatives, laws, and regulations in the appropriate deliverables. The Design Report shall follow the templates, outlines and formats included in PDM Appendix 7 “Scoping and Design Approval Documents.”

The Consultant shall submit the Draft Design Report to NYCDOT for review and comments. The Final Design Report, incorporating comments on the Draft Design Report, shall be submitted for approval by NYCDOT, FHWA and NYSDOT.

The Design Report shall include, **but not limited to** the Executive Summary, Existing Conditions, Substandard Features, Geotechnical, Hydraulic and Scour Analysis, Structure Analysis, Alternatives, Social, Economic and Environmental Considerations and Traffic Analysis.

In developing the Design Report, the following shall be considered:

a) Design Criteria:

The Consultant shall establish the design criteria for NYCDOT's review and approval.

b) Alternatives:

The report shall discuss the Null Alternative, the Rehabilitation Alternative, and the Replacement Alternative for a new wider bridge with new geometric and safety improvements. The Consultant shall use and validate the existing information in the BRPR for the Null and Rehabilitation Alternatives as appropriate.

c) Rating:

The FHWA rating shall be included as part of the Appendices of the Design Report.

d) Hydraulic and Scour Analysis:

Replacement of the existing bridge structure with a new bridge structure and fender systems may require a hydraulic analysis to quantify any significant hydraulic effects associated with potential constrictions or obstacles to flow for the structure configuration or construction methods. The existing available reports shall be used as appropriate for this task. The Consultant shall identify scour potential at the structure location, and upon the approval of NYCDOT, proceed with the scour analysis according with the current NYSDOT guidelines.

e) Traffic Study:

A traffic data collection was performed in 2007. However, the useful life of data and the opening of a new Home Depot in the past two years will have changed the traffic volumes and patterns in the area. The Home Depot site has resulted in the installation of a new signalized intersection along Brush Avenue between Bruckner Boulevard and Lafayette Avenue. Therefore, new traffic, pedestrian and bicycle counts shall be performed as required. A new accident analysis shall be performed as well.

f) Work Zone Traffic Control (WZTC):

The WZTC shall be achieved through sequenced demolition and construction as follows:

- Maintain two lanes of traffic in each direction on the bridge
- Maintain a minimum of one lane of traffic on the ramps
- Maintain at least one sidewalk throughout construction

g) A Bridge Reconstruction Project Report (BRPR) was prepared by URS in 1998. The Consultant shall validate and utilize the information from this BRPR as much as possible to develop the Design Report.

2-5 Permits and Approvals:

Several permits and approvals will be required for construction. Under this task, the Consultant shall investigate the need for all permits and approvals from the Federal, State, City appropriate regulatory agencies, and prepare permit applications and supply supporting data as required. It is anticipated at this time that the following permits will be required for the project, but not limited to:

- US Coast Guard
- US Army Corp of Engineers
- New York State Department of Environmental Conservation (NYSDEC)
- NYS Department of State (NYSDOT)
- NYCDOT, Office of Construction Mitigation and Coordination (OCMC)

- NYS Department of State(NYSDOS)
- Public Design Commission
- New York City Department of City Planning (NYCDCP)
- New York City Department of Environmental Protection (NYCDEP)
- Others as required

Task 3: ULURP:

The City is the owner of the parcels alongside the bridge with the exception of Ramps A and B which are State properties. The Consultant shall coordinate with New York State to verify the property mapping. At this time, no alteration or acquisition maps are anticipated. Land Use additional work may be required due to possible changes in mapped street for Con Edison easement. Preparation of the Grade Change Map will be required since the proposed bridge grade is anticipated to change. The Consultant shall attend all required meetings to begin the ULURP process. The preparation of the Grade Change Map shall begin as soon as all information is available. The Land Use information shall be used in the existing BRPR dated 1999 and other available documents as appropriate.

Task 4: Feasibility Study for Connections between the Bruckner Expressway and the Cross Bronx Expressway near the intersection with Zerega Avenue:

The Consultant shall evaluate and provide a feasibility study of implementing connections between the Bruckner Expressway and the Cross Bronx Expressway near the intersection with Zerega Avenue as follows:

1. For the connection between the Bruckner Expressway (I-278) eastbound and the Cross-Bronx Expressway (I-95) southbound via Zerega Avenue, the Consultant shall evaluate the following:
 - Two (2) alternatives for the Bruckner Expressway exit ramp at Zerega Avenue;
 - Four (4) alternatives for the proposed Zerega Avenue Cross-Section
 - ◇ One (1) travel lane Southbound, one (1) travel lane northbound, and a shared left-turn lanes (with and without sidewalk at west side of Zerega Avenue)
 - ◇ Two travel lanes southbound and one travel lane northbound (thru and left)
 - ◇ Two travel lanes northbound and one travel lane southbound (thru and left)
 - ◇ Two travel lanes southbound two travel lanes northbound and relocating the east sidewalk behind the existing columns
 - Two (2) alternatives for the entrance ramp to the Cross-Bronx Expressway (I-95) southbound
2. For the connection between the Cross-Bronx Expressway (I-95) northbound and the Bruckner Expressway (I-278) westbound via Havemeyer Avenue, the Consultant shall evaluate the following:
 - ◇ One (1) alternative for the exit ramp from the Cross-Bronx Expressway (I-95) northbound
 - ◇ Two (2) alternatives for the intersection of Havemeyer Avenue and Bruckner Boulevard (signal controlled and stop or yield controlled intersection)
 - ◇ Two (2) alternatives for the entrance ramp to the Bruckner Expressway (I-278) westbound

- The Consultant shall perform a roadway/highway capacity analyses to evaluate the intersections and highway ramp areas.
- The Consultant shall conduct the field visits as required and verify all necessary dimensions for layout
- The Consultant shall provide conceptual geometric AutoCAD sketch drawings of the project area with all travel way dimensions and features including, but not limited to, approximate location of columns, piers, building lines, curb lines, guide rails, travel lanes, utilities, bus stops of intersections and roadway segments, ramps and intersections
- The Consultant shall address all anticipated impacts to the Unionport Bridge Ramps
- The Consultant shall adhere to the current design standards, safety, order of magnitude construction cost, traffic operation, capacity analysis based on forecasting existing traffic volumes according to City Environmental Quality Review (CEQR) methodologies, and implementation feasibility.
- The Consultant shall submit the results of the alternative analyses to NYCDOT and incorporate them into one Technical Memorandum and appendices. The evaluation shall be presented in a technical memorandum as a pro/con analysis (in a matrix) identifying advantages and disadvantages of selected alternatives with recommendations for implementation. A draft memorandum shall be submitted to NYCDOT for their review and comments.
- Upon receiving the comments from NYCDOT, the Consultant shall prepare a final Technical Memorandum.

See attached Fig. 3 for this Task.

Task 5: PRELIMINARY DESIGN PLANS (PD):

5-1 Preliminary Design Plans:

a) The Consultant shall prepare the Preliminary Design Plans (PD) based on the approved alternative, as selected by the Department. The PD shall be prepared in accordance with the current standard Details for Highway Bridges, Bridge Design Data Sheets, Guideline drawings and other appropriate documents.

The Draft Preliminary Design shall show basic concepts and major details, including existing and proposed utilities and seismic design, and serve as a basis for the development of the Final Contract Bid Documents. The PD shall be developed to a degree to insure that there are no significant changes during the final design phase.

b) The Consultant shall submit three (3) sets of the Draft Preliminary Plans to the Department for review. Upon incorporation of all comments received from the Department, the Engineer shall resubmit three sets of the Revised Preliminary Plans to the Department for approval.

c) The Consultant shall submit complete sets of the Preliminary Plans to all affected agencies (written receipts required), as determined by the Department, for their review and comments. An All Agency conference and a separate meeting with the Office of Construction Mitigation and Coordination (OCMC) will subsequently be held to receive their comments, at which the Engineer shall attend. All comments as approved by the Department shall be incorporated into the

Preliminary Plans. The Consultant shall receive initial approvals from the NYC Public Design Commission (PDC).

d) The Consultant shall submit six (6) sets of the approved Preliminary Plans to the Department, as per the scope of Work, Time Completion Schedule.

e) Project Coordination and meetings shall be included in the above tasks and services, as ongoing task during the performance of the Preliminary Design.

5-2: Final documents for Preliminary Design:

Upon completion and approval of the Preliminary Plan(s), the Engineer shall prepare and hand deliver to the Department the following final documents, which shall be labeled, bound, and indexed in an orderly fashion:

- a) A complete set of the Preliminary Plans. In addition, two CD's containing indexed preliminary drawings in continuous searchable PDF format and two CD's containing preliminary drawings in AutoCAD format.
- b) Original and electronic copy of design calculations. The submission of computerized calculations must include, but is not limited to, CD's and written details of all programming information and results.
- c) Originals/electronic copies of all correspondence and data pertinent to the project. All correspondence shall be numbered, bound, searchable and indexed.
- d) The Engineer's certification that all applicable Departmental Standards, Directions, Rules, Regulations, and Guidelines have been conformed to.
- e) All materials shall be packaged and delivered to the Department in temporary file-type cartons, together with an index.
- f) This submission shall be subject to departmental review and approval.
- g) Community Outreach: Preliminary design power point presentations to Community Boards will be required

At the completion of Preliminary Design, the NYCDOT will decide whether to continue to Final Design under this Contract or have the Tasks associated with Final Design completed under a new Consultant Design Contract. In no event shall the firm proceed to Final Design until written authorization is received from the NYCDOT.

The Consultant shall obtain, and become familiar with, applicable Departmental Design Directives, Standard Details, Administrative Procedural Bulletins and guidelines for the prosecution of the work/services under the various elements of the project. These shall include, but not be limited to, the latest editions including amendments, of the New York State Department of Transportation (NYSDOT) and New York City Department of Transportation (NYCDOT) documents, and American Association of State Highway and Transportation Officials (AASHTO) and Federal Highway Administration (FHWA) manuals:

The Consultant shall utilize the latest revisions of the following NYC standards and requirements:

NYCDOT Requirements for the Preparation of Engineering Drawings and Documents, Section 1A
NYCDOT Current Requirements for the Microfilming of Engineering Drawings and Documents, Section 2B & 2C
NYCDOT Detailed Instructions for the Computerized Indexing of Engineering Drawings and Documents for Microfilming, Section 3
NYCDOT Street Lighting Standards
NYCDOT Uniform Land Use Review Procedure
NYC Specifications for Title Examinations and Reports on Street/Railroad Intersections
NYC Specifications for Title Examinations and Reports on Privately-Owned Tax Lots
NYCDEP Water Supply and Sewer Standards

Task 6: Public Involvement / Community Outreach

During the Preliminary Design Phase, the Consultant shall prepare a power point presentation to the local Community Board(s) as approved by the Department. The Consultant shall attend all necessary coordination meetings and provide the necessary services to obtain an approval from the Community Board(s).

B. FINAL DESIGN FOR TOTAL REPLACEMENT OF EXISTING BRIDGE

Upon Final Design Notice to Proceed (NTP), the Consultant shall begin the Final Design as shown on the Approved Preliminary Plans. The scope of work shall include, but not be limited, to the following major work elements:

- a. Demolition: The demolition plans of the existing bridge including but not limited to the superstructure, substructure, fender system, bridge operating machinery, operator house, gate tender house, approach roadways, utilities etc. to the limit as shown in the Preliminary Plans.
- b. Development of Final Design Plans for a new superstructure, substructure, fender, sheeting and dolphin systems, bridge operating machinery, operator house, gate tender house, new barrier and warning gates, approach roadways, utilities etc. meeting the current design standards including the current seismic design standards of the New York City Department of Transportation.
- c. Maintenance and Protection of Traffic Plans during each construction stage during the construction duration. Special consideration shall be given to the MPT and construction staging due to marine traffic below and impact on commercial establishments utilizing the existing bridge.
- d. Constructability and Value Engineering review will be required for this project.
- e. Construction Mitigation Impact Analysis: The Final Design shall include a special construction contract provision to mitigate the impact of the construction on the Public, as determined during the Preliminary Design. These construction contract provisions may include, but not be limited, to the following:
 - Incentive/disincentive clauses.
 - Time related contract provisions such as interim milestone dates or contract completion dates with significant liquidated damage provisions.
 - Critical Path Method (CPM) scheduling as a bid item.
 - Innovative construction and/or materials.

Based on above scope and criteria, the following specific requirements shall apply:

1. The preparation of the Progress Prints and Advanced Plans Submission: Under these requirements the Consultant shall submit Progress Prints at 30 percent, 60 percent, 90 percent and 100 percent complete plans with appropriate levels of specification books and itemized cost estimates including price analysis for all items of work. In each instance, the percent completion shall be based on 100 percent complete at Final Contract Bid Document submission.
2. The preparation of Final Contract Bid Documents. This requires the submission for approval of Final Plan Submission, PS&E submission, and the submission of Final Contract Bid Documents for use in the construction contract bidding process.
3. The Consultant is required to respond to all questions during the bidding process and to prepare an Addendum as required.
4. The performance of a Bid Analysis of the bids received on the project bridge resulting from this contract. Record keeping services and the delivery of Final Contract Document Records are also part of this task.
5. Project coordination, including meetings as an ongoing task during the performance of all other tasks and services.

At each of the above submissions, the Consultant shall submit adequate number of copies of Plans, Specifications and Estimates for various Departmental Agency review. The Consultant shall then coordinate and address all the comments and incorporate them into the contract documents.

At the completion of Final Design, the NYCDOT will decide whether to continue to Construction Support Services under this Contract or have the tasks associated with Construction Support Services completed under a new Consultant Construction Support Contract. In no event shall the firm proceed to Construction Support Services stage until written authorization is received from the NYCDOT.

C. CONSTRUCTION SUPPORT SERVICES (CSS):

- a. Shop Drawing Review Services, consisting of review and approval of shop and working drawings, and review and approval of Contractor's construction procedures/practices.
- b. Specialized Engineering Services consisting of the performance of any redesign resulting from unanticipated field conditions uncovered during construction.
- c. Provide the responses to Request For Information (RFI) in a timely manner and generate a RFI log that shall be reviewed at the monthly meetings.
- d. Attend liaison, progress, coordination and other such meetings when required by the Department.
- e. Value Engineering cost estimate prepared by the contractor will be reviewed by CSS.
- f. The Consultant shall analyze, review and provide recommendations on all changes in materials, design or proposed work, particularly as they apply to "Value Engineering" that is proposed by the Contractor.

In providing services for this contract, the Consultant/Subconsultant/ Subcontractor specifically agrees that:

1. Their employees shall possess the experience, knowledge, and character necessary to qualify them individually for the particular duties they perform;
2. They will comply with the provisions of the Labor Law and all State Laws and Federal and local statutes, ordinances and regulations that are applicable to the performance of the Agreement and;
3. They will secure all licenses and permits, if any, which are necessary for the performance of his duties under this Contract.

In fulfillment of provision (1) above, the Consultant shall submit a resume for each employee prior to assignment to the Contract, for review and approval by the Agency. Employees shall be Professional Engineers licensed in the State of New York if their ASCE/NICET grade requires that they be Professional Engineers. No substitutions for approved employees shall be permitted until the resume of the replacement employee is approved. The Department, or duly authorized representative, shall have the right at all times to inspect the work of the Consultant.

TOTAL DESIGN SERVICES PROJECT BRIDGE DATA

BIN: 1-06651-0

YEAR BUILT: 1953

FEATURE CARRIED: BRUCKNER EXPRESSWAY (UNION PORT BRIDGE)

FEATURES CROSSED: WESTCHESTER CREEK

RECONSTRUCTION LIMITS:

- North:** 50 ft beyond the existing dolphins at the bridge and 50ft. beyond the existing fascia of Ramp A
- South:** 60ft. beyond the existing fascia at bridge, approaches/ramps
- East:** 20 ft. beyond the eastern curb of Brush Ave
- West:** 20 ft. beyond the western curb of Zerega Ave

SURVEY LIMITS:

- North:** Near Chatterton Ave at Zerega Ave and minimum 100ft from the North fascia of the bridge
- South:** min. 20 ft. from SE corner of Zerega Ave and Bruckner Blvd Service Road and min.60ft from SE corner of Brush Ave and Bruckner Blvd Service Road .
- East:** 50ft. beyond the eastern curb of Brush Ave.
- West:** 20ft beyond the western curb of Zerega Ave

ESTIMATED NUMBER OF PRELIMINARY PLANS
ESTIMATED NUMBER OF FINAL PLANS

PRELIMINARY DESIGN BUDGETARY ALLOWANCES:

CORING/sampling	\$0.00
ENCASEMENT REMOVAL	\$0.00
PERMIT/ SAMPLING/TESTING	\$15,000.00
FORCE ACCOUNT	\$0.00
	<u>\$15,000.00</u>

PRELIMINARY DESIGN CONTINGENCY ALLOWANCES:

UNDERWATER INSPECTION	\$20,000.00
HYDROGRAPHIC SURVEY	\$20,000.00
FLAGGED CONDITION	\$15,000.00
FIELD EQUIPMENT RENTAL	\$40,000.00
STEEL SAMPLING	\$0.00
ULURP	\$50,000.00
MECHANICAL AND ELECTRICAL INSPECTION	\$20,000.00
PIGEON WASTE ASSESMENT	\$10,000.00
SOIL/SEDIMENT SAMPLING	\$20,000.00
VALUE ENGINEERING	\$50,000.00
SOIL/CORING BORINGS	\$250,000.00
	<u>\$495,000.00</u>

FINAL DESIGN BUDGETARY ALLOWANCES:

OTHER BUDGETARY PROGRAMS	\$0.00
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FINAL DESIGN CONTINGENCY ALLOWANCES:

ULURP	\$80,000.00
FLAG CONDITION	\$20,000.00
OTHERS	\$80,000.00
	<u>\$180,000.00</u>

<u>AVAILABILITY OF:</u>	<u>YES</u>	<u>NO</u>	<u>REMARKS</u>
PLANS OF EXISTING BRIDGE	Y		
BRIDGE INSPECTION & CONDITION REPORT	Y		DATED 11/2009
BRIDGE INVENTORY LISTING	Y		DATED 11/2009 (1)

(1) THE INDICATED REPORT IS AVAILABLE AT THE CITY'S OFFICE

TRAFFIC DATE COLLECTION REQUIREMENTS: (Required when directed by OCMC).

CURRENT VEHICULAR TRAFFIC COUNTS SHALL BE PERFORMED FOR 7 CONSEQUITIVE DAYS, 24 HRS/DAY; CURRENT TURNING MOVEMENTS, VEHICULAR CLASSIFICATION AND PEDESTRIAN COUNTS SHALL BE PERFORMED FOR 7 DAYS FOR THE PEAK PERIOD. ALL OF THE ABOVE COUNTS SHALL BE PERFORMED IN THE PEAK SEASON AS DIRECTED BY THE ENGINEER

TABLE 1
Preliminary and Final Design Services
Time of Completion Schedule

Following are the **Consecutive Calendar Day (CCD)** Requirements for **Target Completion Days (TCD)**, showing **Estimated Review periods (R)** within parenthesis (See attached EXHIBIT A):

BIN: 1-06651-0 Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge):

Preliminary Design (PD) Services:

<u>TCD A</u>	<u>TCD B</u>	<u>TCD C</u>	<u>TCD D</u>	<u>TCD E</u>
90	180	270 + (90)	60 + (60)	60

Final Design (FD) Services:

<u>TCD F</u>	<u>TCD G</u>	<u>TCD H</u>	<u>TCD I</u>	<u>TCD J</u>
240 + (60)	90 + (30)	60 + (30)	60 + (30)	30

NOTES:

PRELIMINARY DESIGN (PD) SERVICES:

TCD A:

The Consultant shall complete all **data collection, inspections, field investigations, surveys, traffic data, obtain property line mapping**, etc. within these many consecutive Calendar Days **from Preliminary Design Notice to Proceed (PDNTP)**.

TCD B:

The Consultant shall submit to the Department **field investigation reports including reports for Structure Inspection, Underwater Inspection, Subsurface Investigation/Geotechnical Foundation, Hazardous Material, Traffic Study, etc.**, within these many consecutive Calendar Days **from Preliminary Design Notice to Proceed (PDNTP)**.

TCD C:

The Consultant shall submit to the Department **Draft Preliminary Plans, Draft Environmental Assessment Statement (EAS), Draft Design Report to the Department** for review and comments within these many consecutive Calendar Days **from Preliminary Design Notice to Proceed (PDNTP)**.

TCD D:

The Consultant shall submit to the Department the **Final Preliminary Plans, Final Environmental Assessment Statement (EAS), Final Design Report** and all other documents as required by the contract within these many consecutive Calendar Days upon receipt of NYC agencies' comments on the related draft reports and Preliminary Design Plans.

TCD E:

The Consultant shall submit to the Department the **Final Documents** as listed herein, within these many consecutive Calendar Days upon receipt of NYC agencies' comments on the related reports and Preliminary Design Plans.

TOTAL TIME OF COMPLETION (including Estimated Review Periods): **548 CCDs.**

FINAL DESIGN (FD) SERVICES:

TCD F:

The Consultant shall submit the **Advance Design Plans** (30%, 60% and 90% respectively) within these many consecutive Calendar Days from **Final Design Notice to Proceed (FDNTP)**.

TCD G:

The Consultant shall submit the **Final Plans** within these many consecutive Calendar Days upon receipt of NYC agencies' comments on the Advance Design Plans.

TCD H:

The Consultant shall submit the **Plans, Specifications and Estimates (P.S. & E.)** to the Commissioner within these many consecutive Calendar Days upon receipt of NYC and other regulating agencies' comments for the Final Design Plans.

TCD I:

The Consultant shall submit **Contract Bid Documents** within these many consecutive Calendar Days upon receipt of NYC and other regulating agencies' comments for the P.S.&E. Documents.

TCD J:

The Consultant shall submit all **Final Documents** as required by the contract, within these many consecutive Calendar Days.

TOTAL TIME OF COMPLETION (including Estimated Review Periods): **640 CCDs.**

TOTAL TIME OF COMPLETION for PD+R+FD+R (1,188CCD):

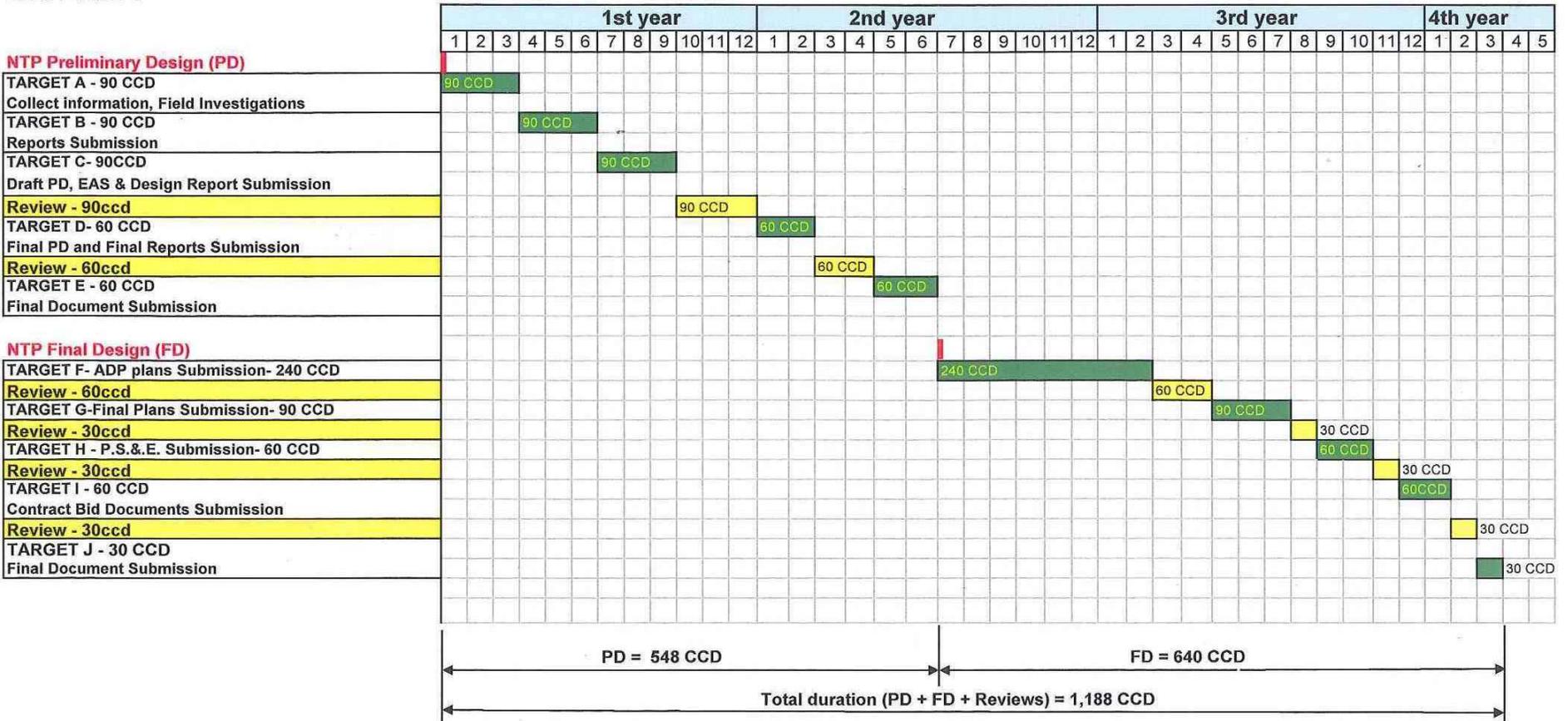
This period includes **Total Consecutive Calendar Days (CCDs)** from the start date of TCD A through the completion of TCD K, including reviews and comments by all Federal, State, Local and other authorities having jurisdiction on the bridge project (see attached **EXHIBIT A – TCS Bar Chart**).

ATTACHMENT: EXHIBIT A: TIME OF COMPLETION SCHEDULE – BAR CHART

EXHIBIT A- TIME OF COMPLETION SCHEDULE BAR CHART

REPLACEMENT OF BRUCKNER EXPESWAY OVER WESTCHESTER CREEK (UNIONPORT BRIDGE)

BIN: 1-06651-0



Unionport Bridge Location Map

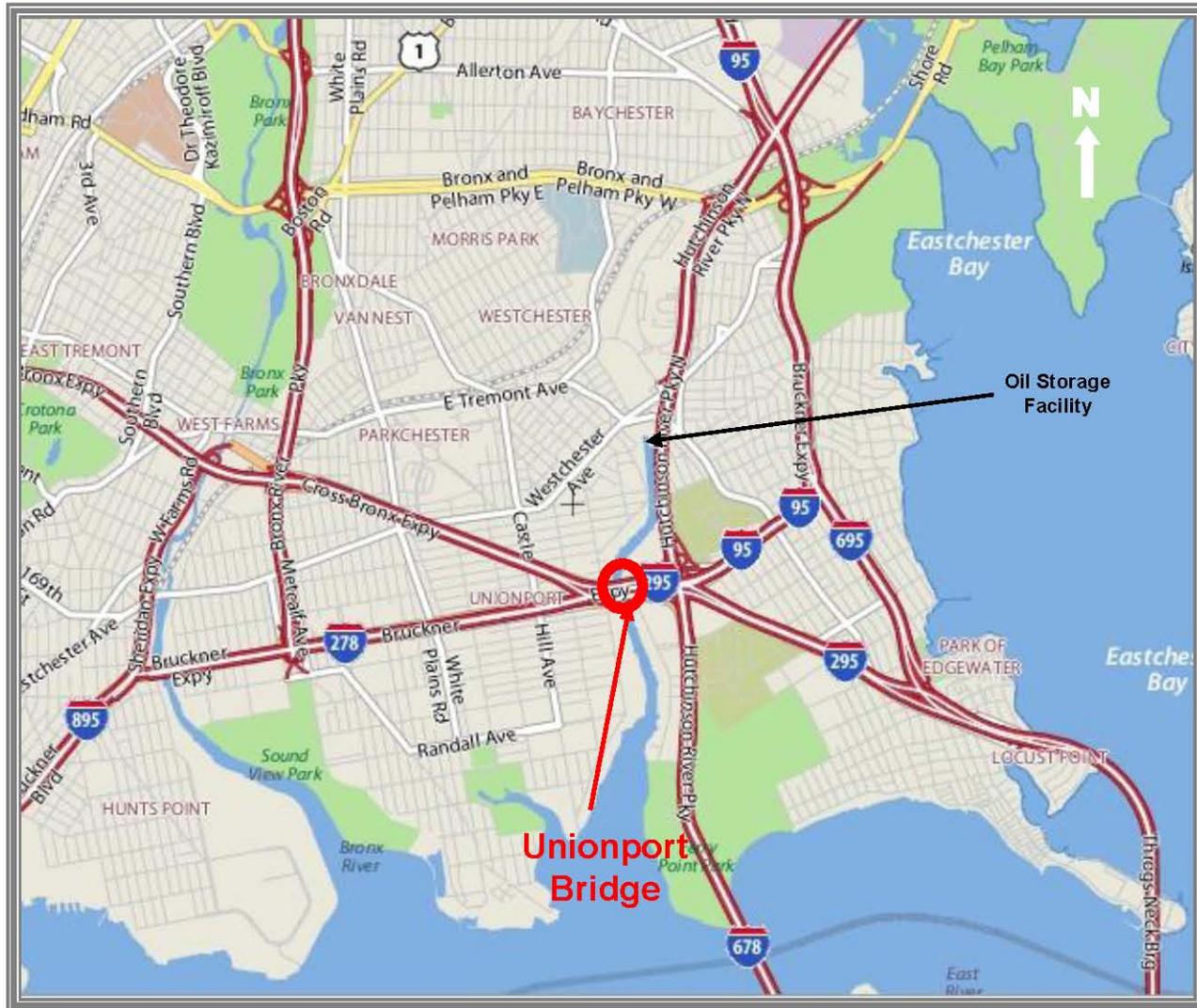
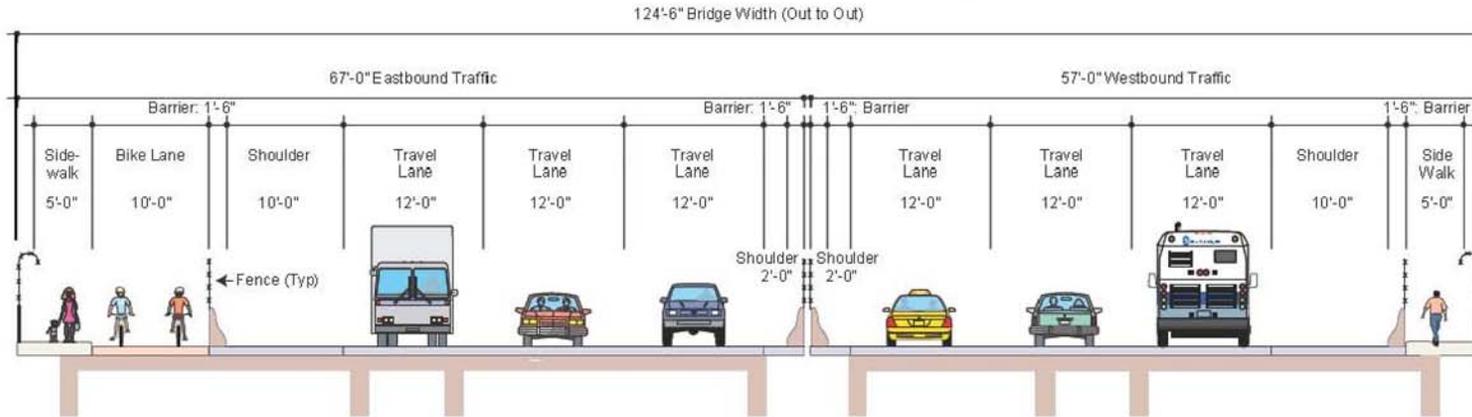
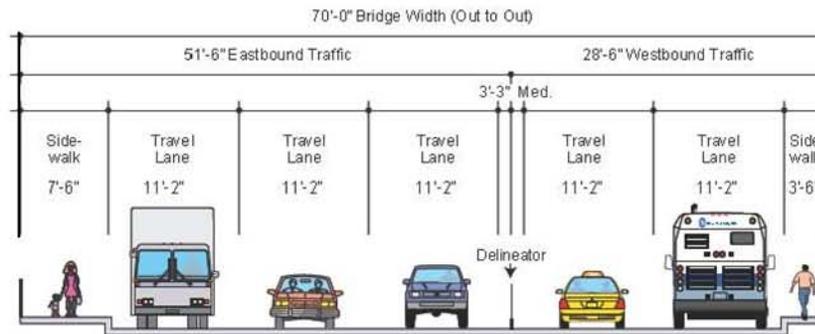


Figure 1

PROPOSED VS. EXISTING BRIDGE SECTIONS



PROPOSED BRIDGE CROSS SECTION



EXISTING BRIDGE CROSS SECTION

Figure 2

Task 4- Feasibility Study for Connection between I-278 and I-95

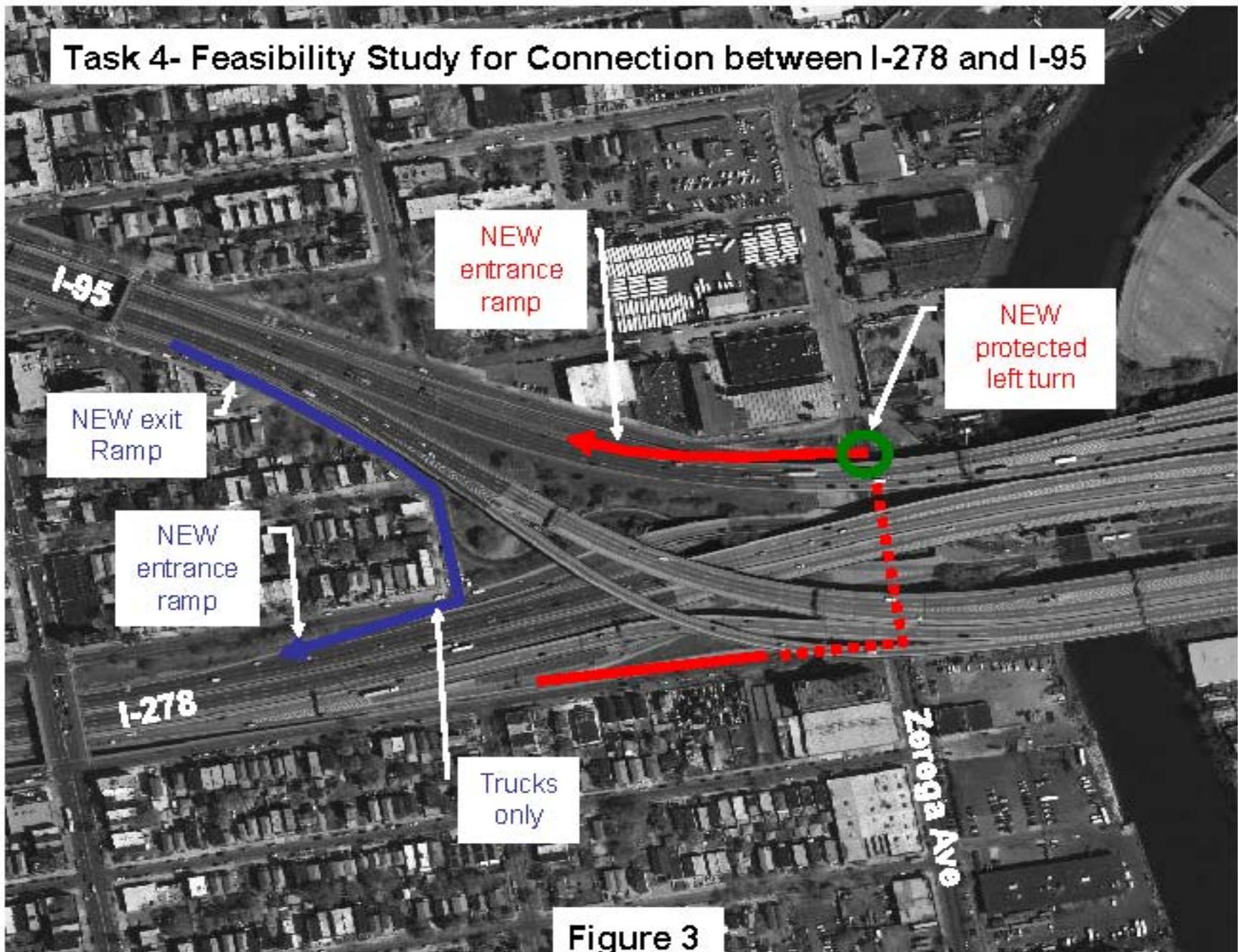


Figure 3

II SPECIFIC REQUIREMENTS

A. PROJECT COORDINATION

INCLUDED HEREUNDER ARE THE MAJOR TASKS AND SERVICES WHICH SHALL BE PROVIDED BY THE CONSULTANT FOR THE PROJECT BRIDGE(S) AND BE PERFORMED DURING PRELIMINARY DESIGN AND FINAL DESIGN:

1. The Consultant shall assemble and review all record data for the project. The Consultant shall conduct formal interviews with all governmental and non-governmental personnel, as directed by the Commissioner and as required for the efficient and thorough completion of the project, in order to ascertain all existing concerns, issues, problems and programs directly related to the project. The Consultant shall fully coordinate all activities under the project with all Federal/State/City Agencies, public/private utilities or organized groups which, in the opinion of the Commissioner and/ or the Consultant, are necessary for the development of a fully coordinated Project. The Consultant shall assemble and review all available reports, designs, surveys, maps, plans, documents, maintenance records, traffic counts, alignment maps, as-built drawings, construction photographs and accident records related to the bridge, including the latest NYCDOT and NYSDOT Bridge Inspection and Condition Reports, and Bridge Inventory Listing, from the Department as required during the course of this contract. Requirements of private and public utilities shall be requested by the Consultant at the onset of the project so that they may be received in time for incorporation into the Draft Bridge Rehabilitation Project Report (BRPR).
2. The Consultant shall submit, for approval, the names and experience portfolios of all key persons, subcontractors, and sub-consultants proposed for use in connection with the Project prior to start of work (including Project Manager, Project Engineer and key designers). Members of Consultant's staff who perform any work pursuant to this contract shall meet the following criteria in conformance with the New York State Engineering Licensure Statute. All Engineering positions shall be staffed by Engineers as described below. No technician/technologist can fill an Engineering position; however an Engineer may fill any technician/technologist position.

In accordance with the American Society of Civil Engineers (ASCE) guidelines, ASCE titles are to be used for Engineers who have graduated from an Accreditation Board for Engineering and Technology (ABET) recognized engineering program. ASCE defines nine (9) Engineering grades, i.e. ASCE I/II through ASCE IX. ASCE IV and above requires a New York State Professional Engineer (PE) license. ASCE grades are applicable to all Engineering disciplines.

The National Institute for Certification in Engineering Technologies (NICET) titles are allowed but cannot substitute ASCE titles. However, ASCE titles may replace NICET titles. NICET titles (i.e. NICET I, II, III, IV) were developed to certify various levels of technical competence. The role of NICET certified technicians and technologists is to assist engineers in discharging their responsibilities.

Any violation of the above requirements may result in disqualification and removal of the Consultant from the project. In addition, sanctions may be imposed by the New York State Professional Engineering Licensure Board. Violation of the Engineering Licensure Law is a serious offense and carries maximum penalty of four (4) years of jail time.

Sufficient staffing shall be provided to complete the work on schedule. Emphasis shall be placed on the Consultant's performance evaluations with respect to scheduled timely submissions. Evaluations will be used in selection of Consultants for future work.

The Project Manager shall have a minimum of five (5) years of direct bridge design experience and ten (10) years of overall experience in the bridge engineering field, wherein he or she shall be familiar with NYSDOT and NYCDOT Standards. The Project Engineer shall have a minimum of three (3) years of direct bridge design experience and five (5) years of overall experience in the bridge engineering field, wherein he or she

shall be familiar with NYSDOT & NYCDOT Standards. Both the Project Manager and Project Engineer shall be licensed Professional Engineers in the State of New York and have accredited Bachelor's Degrees in Civil Engineering. Prior to commencement of the work, the Project Manager, Project Engineer, and the majority of the design staff must continuously work out of the same office and that office must be located within the tri-state area.

The Consultant shall have a local area code phone number. If the Consultant resides outside the five boroughs, he or she must provide either a NYC tie line or toll free 800 number. The phone number shall be in operation for the extent of the contract and shall be available at the time of execution of the contract. The expense of this shall be included in the Consultant's overhead, and the Consultant shall receive no additional compensation.

The following information is required for all of the Consultant's employees that require access to the work area and who have not been screened pursuant to security zone/exclusionary area requirements: name, date of birth, alien registration number and social security number. The information will be submitted to the Coast Guard for background screening purposes. Social security numbers will not be submitted if a written request is received along with the information that the social security number is not to be submitted. Failure to submit a social security number may result in a delay in the Coast Guard's assessment which may prevent access to restricted areas within the work area.

3. The Consultant shall inspect the site(s) and become familiar with the general and specific nature of the Project and the surrounding area. The Preliminary Design Limits shall be as specified in the Project Bridge Data Sheet(s). Regarding Wingwall/Retaining Wall Reconstruction: the extent of reconstruction shall be 20 feet beyond the end of the Wingwall/Retaining Wall, unless otherwise noted. In the event that this substructure element is part of a continuous retaining wall system (as is encountered in railroad cuts), then the limit of reconstruction shall be 20 feet beyond the end of the adjacent abutment.
4. The Consultant shall obtain, and become familiar with, all applicable Departmental Design Directives, Standard Details, Administrative Procedural Bulletins and guidelines for the prosecution of the work/services under the various elements of the project. These shall include, but not be limited to, the latest editions including all amendments, of the following New York State Department of Transportation (NYSDOT) and New York City Department of Transportation (NYCDOT) documents, and American Association of State Highway and Transportation Officials (AASHTO) and Federal Highway Administration (FHWA) manuals:

NYCDOT Procedures for Bridge Reconstruction Projects (revised 2/10) including:

- Appendix A: BRPR Format and Requirements
- Appendix B: Substandard Features Checklist
- Appendix C: Presentation of Ratings
- Appendix D: In-Depth Inspection Form and Bridge Inspection & Condition Report
- Appendix E: Preliminary Plan Review Checklist
- Appendix F: Field Survey Requirements

NYCDOT Specifications for the Preparation of Record Drawings & Electronic Media

NYCDOT Street Lighting Standards

NYCDOT Uniform Land Use Review Procedure

NYC Specifications for Title Examinations and Reports on Street/Railroad Intersections

NYC Specifications for Title Examinations and Reports on Privately-Owned Tax Lots

NYCDEP Water Supply and Sewer Standards

Electric Code of the City of New York

National Electric Code

NYSDOT Engineering Bulletins and Engineering Instructions

NYSDOT Highway Design Manual, Volumes 1 and 2

NYSDOT Standard Specifications

NYSDOT Steel Construction Manual

NYSDOT Geometric Design Policy for Bridges

NYSDOT Prestressed Concrete Construction Manual

NYS DOT Manual of Uniform Traffic Control Devices
NYS DOT Uniform Code of Bridge Inspection
NYS DOT Bridge Inspection Manual
NYS DOT Bridge Inventory and Inspection System Manual
NYS DOT Specifications for In-Depth Bridge Inspection
NYS DOT Specification for Diving Inspection of Bridges
NYS DOT Rating Criteria for Diving Inspection of Bridges
NYS DOT Engineering Instructions for Load Ratings
NYS DOT Bridge Deck Evaluation Procedure Manual
NYS DOT Standard Detail for Highway Bridges, Bridge Design Data Sheets and Guideline Drawings
NYS DOT Right of Way Mapping Procedure Manual
NYS DOT Manual of Administrative Procedure (MAP)
NYS DOT Interim Guide to Metric Design
NYS DOT Metric Conversion Guidelines. Structures Division
AASHTO Standard Specifications for Highway Bridges, as amended by NYSDOT
AASHTO Standard Specifications for Movable Highway Bridges
AASHTO Manual for Condition Evaluation of Bridges
AASHTO Guide for the Development of Bicycle Facilities
AASHTO Guide to Metric Conversion
AISC Metric Properties of Structural Shapes
ASTM Standard Specifications
FHWA Bridge Inspector's Manual for Movable Bridges
FHWA Seismic Design and Retrofit Manual for Highway Bridges
FHWA Seismic Retrofitting Guidelines for Highway Bridges

5. The Consultant shall develop an initial Progress Report (Bar Chart Schedules and Written Text), and update them monthly in accordance with Section V, Progress Reporting of this Contract. The Progress Report for Final Design shall also include a list of Contract Drawings showing the estimated percent of completion of each drawing.
6. The Consultant shall interview Departmental Maintenance, Inspection, and Engineering personnel, as appropriate, to determine the location and extent of all problems and issues in the Project.
7. The Consultant shall interview the appropriate personnel to determine the requirements for gaining access to the site for the purpose of performing the proposed contractual work.
8. The Consultant shall interview additional interested parties, as deemed appropriate by the Commissioner, to determine if the project will impact on their activities.
9. As directed by the Commissioner, the Consultant shall arrange all meetings and participate/function as Chairperson at all meetings and conferences required in the performance of contractual work, including any/all required follow-up meetings and/or actions.
10. The Consultant shall prepare draft and final minutes for all meetings and conferences required in the performance of contractual work. The draft minutes shall be prepared and distributed to the NYCDOT Project Manager and Engineer within two (2) business days of the meeting. Upon receiving comments on the draft minutes, the Consultant shall revise the minutes, as appropriate, and shall distribute final minutes within five (5) business days.
11. The Consultant shall prepare and distribute all correspondence necessary in connection with the performance of the Contract.
12. The Consultant shall attend, liaison, schedule and coordinate all meetings held during the progress of the contract between the City, the local Community Board(s), merchant groups, schools, community organizations and/or other bona fide interested parties and shall provide other community liaison services as

deemed necessary by the Commissioner. The Consultant's employee assigned this responsibility shall be trained in this area, and approved by the Department for this work. This employee shall be designated the "liaison officer" for the project.

13. The Consultant shall analyze the expressed needs and concerns of the parties contacted, and shall address those needs/concerns. Upon approval by the Commissioner, the Consultant shall develop and pursue a course of action and/or strategy to resolve those issues. Upon approval of the Commissioner, the Consultant shall communicate the resolutions to the aforementioned parties. The performance of the contract work includes any and all follow up actions.
14. The Consultant shall coordinate and meet with the Local Community Board(s), the railroads and other parties as may be designated by the Commissioner, or as required for the efficient completion of the project. The Consultant shall identify and resolve all requirements, conditions and issues as presented by said parties. The minimum quantities and types of such meetings will be as follows:

Preliminary Design

One (1) All Agency Plan Review
Two (2) OCMC
One (1) Landmarks Commission
One (1) Art Commission
Three (3) Community Boards/Organizations

Final Design

Two (2) All Agency Plan Review
Three (3) OCMC
Three (3) Landmarks Commission
Three (3) Art Commission
Four (4) Community Boards/Organizations
Two (2) NYSDOT
One (1) Pre-Bid
One (1) Preconstruction

Meetings with the Department and all other affected parties (public and private utilities, railroads, permit agencies, etc.) including all ULURP and Land Use related meetings will occur as required and will not be separately enumerated.

15. The Consultant shall obtain timely approval letters from all affected parties including private utilities, railroads, all City Agencies, Community Boards, OCMC, NYSDOT, FHWA, etc. during both Preliminary and Final Design. The costs incurred by the railroad entity in reviewing the design shall be reimbursed to that entity through the Force Account Agreement made between the Consultant and the entity.
16. In Preliminary Design, the Consultant is responsible to coordinate with all work required by private parties (non City-owned utilities, railroads and others) and City Agencies, as applicable.
17. In Final Design, the Consultant shall review and provide appropriate recommendations for all work (including Plans, Specifications, and Estimates including Force Account Estimates) prepared by private parties (non City-owned utilities, railroads, and others). The Consultant shall incorporate the approved work into the Contract Documents. The design of the supports for the private utilities shall be the responsibility of the Consultant. The Consultant shall design and incorporate into the Contract Documents, the maintenance of the applicable services during construction. The Consultant shall also be responsible for and provide for in the Contract Documents, the permanent reinstallation of any affected railroad facilities including electrification modifications (as per railroad requirements). Amtrak requires that all the design for electrification modifications (catenary support, catenary relocation, bonding and grounding, etc.) be performed by a qualified consultant. Amtrak maintains a list of consulting firms that meet Amtrak's requirements.
18. In Final Design, the Consultant shall design and incorporate into the Contract Document (Plans, Specifications, and Estimates) all work required by the City Agencies. The work shall include, but not be limited to: the maintenance of existing utility services during construction; new utility installation and supports; street lighting; traffic signals; traffic signs; roadway striping; drainage; etc.

19. Prior to the submission of the Draft BRPR it shall be the Consultant's responsibility to determine which permits are required for the completion of the design and construction. The Consultant shall start the permit application process in Preliminary Design. During Final Design it shall be the Consultant's responsibility to complete the permit applications; process the applications; and to ensure that the Contract Documents fully comply with the permit requirements. All approvals for the Department shall be obtained prior to PS&E. Permits may be required from the following agencies, amongst others: the Army Corps of Engineers, Coast Guard, New York State Department of Environmental Conservation, New York City Department of Parks and Recreation, etc. The Consultant shall be responsible for ensuring that the Contract Documents identify any permits that the Contractor shall be required to obtain in order to complete the work, and to ensure that the Contract Documents provide for complying with the permit requirements.

In conjunction with complying with an agency's requirements, the Consultant shall perform, as required, sampling and testing (of river sediment; water; soil; asbestos; etc.); prior approval of the Department is required. The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified contractor to obtain the samples. The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified testing laboratory to perform the tests on the samples.

20. Prior to the submittal of the Consultant's proposal the Consultant shall review the available plans of the bridge(s). Where plans are not available, or the available existing plans are inadequate, the Consultant shall perform the field work (take measurements, etc.) of the existing structure to the extent necessary, in order to provide the required design services. The Consultant shall provide for performing all necessary field work in his proposal.

21. The Consultant shall perform all contractual work using International System (metric) units of measurement.

B. PRELIMINARY DESIGN

INCLUDED HEREUNDER ARE THE FOLLOWING MAJOR TASKS & SERVICES WHICH SHALL BE PROVIDED BY THE CONSULTANT FOR THE PROJECT BRIDGE(S) AND BE PERFORMED AS PART OF PRELIMINARY DESIGN:

1. IN-DEPTH INSPECTION

The Consultant shall perform an in-depth field inspection of the project bridge(s) in accordance with the NYSDOT Uniform Code of Bridge Inspection and NYSDOT Specifications for In-Depth Bridge Inspection. In addition, the Consultant shall perform field surveys by a New York State Licensed Land Surveyor, as specified and to the extent necessary to meet the requirements of the Contract.

a. Preparation for Inspection & Field Survey

1) The Project Bridge Data Sheet(s) state the availability of the plans from which each of the project bridge(s) was constructed. Where plans are stated as being available, the Consultant shall determine the location of such plans, and shall arrange to obtain the plans from the appropriate Agency or Department.

a) Where the plans are available, the Consultant shall obtain a copy of the plans, which the Consultant shall then research, put in chronological order and inventory as per specifications of the NYCDOT. Upon receipt of the existing plans, the Consultant shall send a copy to the Department.

b) Where the plans are not available, the Consultant shall take field measurements of the existing structure to the extent necessary (this may involve additional removal of concrete encasement at sample locations, if applicable) in order to provide the required Ratings and prepare the Preliminary Plans.

- 2) The Consultant shall review all available plans and reports and shall coordinate/reconcile this data with the existing conditions of the bridge as identified through the Consultant's inspection and survey.
- 3) The Consultant shall prepare schedules and coordinate all activities with the Department.
- 4) The Consultant shall coordinate all activities of the subcontractors, suppliers, and subconsultants.
- 5) The Consultant shall obtain all permits required.
- 6) The Consultant shall develop and prepare a plan for the maintenance and protection of all traffic (vehicular, rail, waterway, pedestrian) during his Inspection & Field Survey. The Consultant shall coordinate with the Office of Construction Management Coordination (OCMC) and other appropriate parties, such as railroad, and Coast Guard, on the proposed maintenance plan(s). All appropriate required approvals shall be obtained by the Consultant prior to the commencement of inspection.
- 7) Where force account labor is required during the inspection, the Consultant shall obtain the force account labor, entry permits and necessary insurance, and enter into a Force Account Agreement, if required, with the appropriate transportation entity (except with respect to Amtrak, for which the Department shall enter into the force account agreement directly with the railroad). In either case, the force account overhead rate used shall be in accordance with current New York City standards for this type of work, and these rates shall receive prior concurrence from the Department before work proceeds.

The Consultant shall be responsible for ensuring that payment to the railroad is appropriately made; the railroad is only entitled to receive payment for days when flagmen were at the site simultaneously with the Consultant.

- 8) The Consultant shall adhere to the NYSDOT's EB 94-034 "Lead Containment Protocol for Bridge Inspection Projects". The Consultant shall be responsible for the proper containment, collection, labeling, disposal, and worker safety protection in connection with any waste generated by the inspection. The Department shall arrange for a temporary storage site (accumulation point), located within the City of New York. The Consultant shall accumulate the waste at the designated site. The Consultant shall perform all work in conformance with State, Federal, and City rules and regulations.

The Consultant shall notify the Borough President's office, via a letter, of a pending bridge inspection activity whenever waste (paint chips/ debris, etc.) may be generated as a consequence of the inspection process. The notification shall be made at least 14 days prior to the start of the work.

If the Consultant's inspection work includes abrasive blasting, the Consultant shall notify the Borough President's office and the local community of the nature of the work at least 30 days prior to starting the abrasive blasting activity. The community notification procedure shall be in conformance to the City's current regulations. It shall include the preparation and distribution of pamphlets describing the nature of the work, similar to the requirements for notification during bridge reconstruction projects.

The Consultant shall use one container for the waste generated at each individual bridge site. The one container shall be used for storage, transport, etc.. A one gallon container of a durable material, having a sealable top (to prevent leakage), shall be used.

b. Performance of Inspection & Field Survey

- 1) The Consultant shall perform a field survey in accordance with Appendix F of the NYCDOT Procedure for Bridge Reconstruction Projects. The limits of this survey shall be as specified in the project bridge data sheet(s).
- 2) The Consultant shall obtain the permissible work hours for the Inspection and Field Survey from OCMC and all other appropriate parties. It may be necessary to work off peak hours and weekends.

- 3) The Consultant shall provide the necessary traffic controls as required by OCMC to close those lanes/sections of the bridge needed to perform the inspection. It is anticipated that one lane closure will be permitted during off-peak hours.
- 4) Where inspection is done over water or railroad tracks, the Consultant shall set up additional traffic controls where it have been determined to be necessary as a result of preparations made, and approvals received, under the Specific Requirements, Section II (B)(1)(a), subsections 6 and 7, of the Contract.
- 5) Concrete Coring and/or Steel Sampling Program

The Consultant shall perform a Coring Program for the project bridge(s), as defined below and as stated in the Project Bridge Data Sheet(s). The Consultant shall determine the need for a Steel Sampling Program for the project bridge(s). If required, the Consultant on a contingency basis which shall be approved by the Department prior to its use shall perform a Steel Sampling Program as defined below.

- a) The Consultant shall submit a coring and/or steel sampling Location Plan and Testing Program(s) to the Department for prior approval. The Testing Program submittal(s) shall describe the types, methods and purposes of tests to be conducted; Coring and/or steel sampling operation shall conform to traffic controls as previously stipulated herein under the Specific Requirements, Section II (B)(1)(b), subsections 2,3, and 4 of the Contract for In-Depth Inspection.
 - b) The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified concrete coring contractor and/or Steel Sampling Contractor to obtain the required Core and/or Steel Samples.
 - c) The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified testing laboratory to perform the approved tests on the concrete cores and/or Steel Samples.
- 6) Concrete Encasement Removal Program (for those bridges having concrete encased steel members as indicated in the Project Bridge Data Sheet(s)).
The Consultant shall perform a Concrete Encasement Removal Program as defined below:
 - a) The Consultant shall submit a concrete encasement removal Location Plan (and sections) to the Department for prior approval. The removal shall be in conformance with the NYSDOT Specifications For In-Depth Inspection. The program submittal shall describe the proposed methods of removal. The removal operation shall conform to traffic controls as previously stipulated herein under the Specific Requirements, Section II (B) (1) (b), subsection 3 of the Contract for In-Depth Inspection.
 - b) The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified contractor to perform the work.
 - 7) Underwater Inspection (for waterway bridges only)

The Consultant shall determine the need for underwater diving inspections based upon visual inspections and his/her review of the latest Underwater Inspection report, which shall be made available from the Department. If required, the Consultant, on a contingency basis which shall be approved by the Department prior to use, shall make provisions to supplement the record data. These provisions shall include, but not be limited to, an underwater diving inspection of the bridge substructure and the preparation of a diving inspection report.

- a) The Consultant shall perform a detailed underwater inspection for the substructure in accordance with the NYS Specification for Diving Inspection of Bridges.

- b) The Consultant, complying with all applicable City/State/Federal regulations, shall retain the services of a qualified diver to perform a complete underwater inspection of the substructure. The diver shall be a New York State Licensed Professional Engineer.
- 8) The Consultant shall make a VHS video tape (or the DVD equivalent) of all areas inspected, with particular attention given to deteriorated and flagged conditions. Video tape shall be in color, narrated and contain views of the approaches, adjacent properties, both bridge elevations, and the bridge itself from both approaches. Video tape shall be of professional quality. Submission of the video tape shall be made concurrent with the Draft BRPR. The video shall include concrete encasement removal operations.
- 9) Upon completion of the inspection, all temporary equipment shall be removed and the site left in a neat and orderly manner.
- a. Flagged Conditions
- 1) The Consultant shall immediately inform the NYCDOT Director of Flags and the NYCDOT Project Manager of any unsafe and/or flagged conditions found during the course of the inspection.
- 2) Such information shall be communicated immediately by telephone followed by written notification to the NYCDOT Director of Flags. Written notification shall include drawings showing the location(s) of the condition(s) and recommended repair and/or support details; photos of the condition(s) and load ratings of the affected structural member(s).
- d. Soils Investigation Program

The Consultant shall research and review the available subsurface data and determine the need for additional Soils Investigation for seismic analysis and foundation design. The Consultant shall perform a Soils Investigation Program, if required and approved by the Department, prior to the submittal of the Draft BRPR. The Consultant shall perform the subsurface exploration, testing and obtain all necessary information regarding local geology and seismicity in order to satisfy the seismic and foundation preliminary design aspects for all reconstruction / replacement schemes included in the Draft BRPR. If required, the Consultant shall perform a Soil Investigation Program as defined below:

- 1) The Consultant shall submit his Soils Investigation Program(s) and related specifications, to the Department for prior approval. The Program submittal(s) shall describe the types, methods and purposes of tests to be conducted. Soils Investigation shall include subsurface exploration, and its operations shall conform to traffic control, requirements as stipulated herein under the Specific Requirements of the Contract.
- 2) The Consultant, complying all applicable City/State/Federal regulations shall retain the services of a qualified Soils Investigation contractor to obtain the required soils samples, to conduct in situ field testing and installation of geotechnical instrumentation.
- 3) The Consultant, complying with all applicable City/State/Federal regulations shall retain the services of a qualified testing laboratory to perform the approved tests on the soils.
- 4) The budgetary allowances allocated for Soil Investigation shall be used to cover the cost for drilling and testing (Items 2 and 3 as indicated above.)

2. BRIDGE RECONSTRUCTION PROJECT REPORT(S) (BRPR)

a. The Consultant shall prepare a Bridge Reconstruction Project Report (BRPR), in accordance with the latest edition of the NYCDOT Procedure for Bridge Reconstruction Projects. The BRPR shall contain the following:

1) Traffic Study

- a) The Consultant shall determine the projected traffic (20 years, or as specified,) design speed, and the Design Hour Volume (DHV) one-way and two-way.
- b) The Consultant shall provide new Traffic (vehicular and pedestrian), Classification and Turning Movement Counts (see Project Bridge Data Sheet for requirements).
- c) The Consultant shall obtain the functional classification from the NYCDOT to be utilized in determining/analyzing applicable geometric and substandard features.

d) Accident Report

2) Traffic Maintenance Plans.

3) Planning Statement.

4) Hydraulic Report

The Consultant, complying with all applicable City/State/Federal regulations, shall conduct a complete hydraulic study within the project area and its vicinity. The Consultant's inspection findings and evaluation of the condition of the underwater substructure and his/her hydraulic study, together with his/her recommendation, shall be included in the Draft BRPR.

5) Geotechnical Foundation Report

The Consultant shall compile the findings of the Soils Investigation Program and/or available subsurface data and produce a Geotechnical Foundation Report for submission to the Department. The report shall include the subsurface exploration results, geotechnical design parameters for various subsurface materials, soil profile(s), design analysis, evaluation and recommendations. The report shall be part of the BRPR.

The Consultant shall establish the site specific ground motion if required by the Project Data Sheet(s) and as defined in the Seismic Assessment Section. These ground motions at the bridge site shall be established after appropriate input from an experience Seismologist who shall have a minimum of ten years of experience with the local seismic environment.

6) Foundation Design Requirements.

7) Statements of Hazardous Material (Asbestos, Lead Paint, etc.)

8) Substandard Features.

- a) The Substandard Features Checklist in the NYCDOT Procedures for Bridge Reconstruction Project Report shall show what the standard feature should be and the appropriate reference from which it was obtained, what the existing feature consists of, and what the actual action proposed is.
- b) The Consultant shall submit a separate justification write-up for each retained substandard feature documenting the Consultant's reasons for retaining the feature. In addition, the Consultant shall

submit a separate justification write-up documenting his reasons for merely improving a Substandard Feature, as opposed to fully eliminating the Substandard Feature. Reasons for retention or improvement shall be backed by an accident study, cost of eliminating substandard feature, traffic study, environmental impact, etc.

9) In-depth Inspection Report.

10) Load Ratings.

- a) The Consultant shall perform a load rating for each and every member of the structure, both as-built and as-inspected conditions, in accordance with the Load Rating requirements of the NYCDOT Procedure for Bridge Reconstruction Projects, and also in accordance with current NYSDOT requirements for level one (1) load ratings. Each member shall be rated for both Inventory and Operating Conditions using each of the following types of loadings in all cases: MS18, M18, type 3, type 3S2, and type 3-3. All MS and M ratings shall include both the equivalent MS and M truck and total load in metric tons. As-built load ratings shall include existing dead loads.
- b) All members and connections shall be rated initially by the Allowable Stress method (Working Stress). Each and every member that does not meet the minimum required inventory rating for each vehicular type shall be re-rated using the Load Factor Method.
- c) The results of the Bridge Load Rating(s) shall be incorporated into the Bridge Reconstruction Project Report(s).

11) Bridge Deck Evaluation Report

12) Seismic Assessment

The Consultant shall study the bridge for conformance to seismic requirements as specified in City/State/Federal guidelines and standards.

The Consultant should refer to Bridge Data Sheet to determine if site specific ground motion is required at the project site. If required, the Consultant shall evaluate the bridge for two levels of seismic hazards, as defined in the NYCDOT Procedures for Bridge Reconstruction Projects.

Multimode analysis shall be performed and the evaluation of member capacity shall be by the load factor method. The design forces for foundations including footings, pile caps and piles shall be the lesser of:
a) the forces determined in AASHTO Division I-A article 4.7.2 with $R=1.0$ (unreduced seismic forces obtained from analysis) or;
b) the forces at the bottom of the columns corresponding to column plastic hinging as determined in AASHTO Division I-A article 4.8.2.

In metropolitan areas where traffic congestion is likely to occur, the Consultant shall consider the probability of a large live load being on the bridge during an earthquake and provide adequate capacity (Earthquake load combination shall include a minimum of 50% of the live load without impact).

All reconstruction alternative schemes for the bridge shall include seismic retrofitting.

13) Plans and Sections

14) Land Use Assessment

The Consultant shall perform the following so that he/she can make a determination as to whether temporary and/or permanent easements and/or acquisitions and/or a ULURP (Uniform Land Use Review

Procedure) process will be required for construction (including staging and access) and maintenance purposes; as well as identify any existing encroachments.

- a) The collection, research and review of all pertinent data (existing and legal grades, mapped R.O.W. lines, etc.) relative to the project, as well as to the map change, the limits of which may extend beyond the limits of the project.
- b) The obtaining of supplemental survey information, as required.
- c) Last owner title search of parcels adjacent to bridge and approaches, and if ULURP is deemed necessary, of all properties within the limits of the map change (i.e. alignment, grades, easements). For publicly-owned parcels, the Consultant shall determine agency management and ownership jurisdiction.
- d) For publicly-owned parcels, the Consultant shall determine whether a Section 4f Evaluation is required (see FHWA Technical Advisory T 6640.8A). If required, the Consultant shall follow the requirements as outlined in this advisory.
- e) Preparation of a R.O.W. plans (strip map) showing legally adopted street lines as documented on final section and/or the latest alteration maps. Existing topography, property line monumentation, and baselines shall be tied to the bridge elements and this shall be shown on the R.O.W plan together with the correct location of the existing property lines and highway boundaries positioned accurately to a degree in keeping with the map scale. Property owner's names shall be shown together with existing easements and rights of way and total acreages of property. All means of access to the property shall be shown.
- f) The findings of the Land Use Assessment shall be included/discussed in the Bridge Reconstruction Project Report, including the R.O.W. plan.
- g) Preparation of Title Examinations and Reports on all parcels adjacent to bridge and approaches. (Contingency money for this work provided under, Fees and Payments Section III)

15) Recommendations, Estimates and Conclusions:

- a) The Consultant shall provide six feasible alternative solutions for rehabilitating / reconstructing / replacing the bridge. All members must be designed to meet the minimum inventory load requirements of each of the aforementioned five vehicular types. The Consultant shall be responsible for investigating the feasibility of obtaining MS23 live loading for each alternative. The Consultant shall discuss the feasibility (advantages and disadvantages) of obtaining MS23 live loading for each alternative. The Consultant shall recommend one of the six alternatives. The Consultant's recommendation shall include/address live load capacity as well.
- b) The Consultant shall provide Itemized estimates for the cost of construction of the six alternative solutions.
- c) The Consultant shall include a discussion of any reports which have been previously prepared on the condition of and/or any recommendations proposed for the bridge.
- d) The Consultant shall indicate the proposed design criteria for each alternative; wherein such criteria shall include, but not be limited to, the following: materials (including grade and type), allowable stresses for new and remaining existing bridge elements.

- 16) Original Color Photos
- 17) Video Tape (or DVD equivalent)

a. Draft Bridge Reconstruction Project Report:

The Consultant shall submit three (3) Draft Bridge Reconstruction Project Reports which shall incorporate all of the above items. The Department will coordinate all comments and forward them to the Consultant for implementation/incorporation by the Consultant into the Final BRPR(s).

b. Final Bridge Reconstruction Project Report:

The Consultant shall furnish four (4) copies of the Final Bridge Reconstruction Project Report to the Department for approval as per the Time of Completion Schedules (in the Scope of Services section of this contract). In conjunction with the submission of the Final Documents, the Consultant shall also submit four (4) copies of the Final BRPR to the New York City Department of Records and Information Services, Acquisitions Unit.

3. PRELIMINARY PLANS

- a. Upon notice from the Department to proceed with the selection of the reconstruction scheme (not necessarily one presented in the Draft BRPR), the Consultant shall prepare Preliminary Plans, based on the approved scheme for either rehabilitating, reconstructing or replacing the structure. The Preliminary Plans shall show sufficient details to ensure constructability of the proposed scheme, including all existing and proposed utilities, and seismic retrofitting; acquaint affected parties with the project and project components; serve as an instrument for initial approval by affected parties; and serve as a basis for the development of the final Contract Documents. Large scale partial cross sections showing dimensions between utilities and structural members shall be provided for both the existing and proposed conditions. In addition, the Consultant shall provide detailed MPT drawings. The estimated number of drawings in the Preliminary Plans for each of the Project Bridge(s) is specified in the Project Bridge Data Sheet(s); this is not necessarily the maximum number. The Preliminary Plans shall also include a separate detailed Right-of-Way plan and itemized scope of work. The Preliminary Plan submission shall also include an up to date itemized cost estimate.
- b. The Consultant shall submit three (3) sets of the Draft Preliminary Plans to the Department for review. Upon incorporation of all comments received from the Department, the Consultant shall resubmit three (3) sets of the revised Preliminary Plans to the Department for approval.
- c. The Consultant shall submit sets of the Preliminary Plans to all other affected agencies (written receipts required), as determined by the Commissioner, for their review. An all-agency conference and a separate OCMC meeting will subsequently be held to receive their comments, at which the Consultant shall attend. All comments as approved by the Commissioner shall be incorporated into the Preliminary Plans.
- d. The Consultant shall submit six (6) sets of the approved Preliminary Plans to the Commissioner, as per the Scope of Work, Time of Completion Schedule, Table I.
- e. Construction Duration

Once the maintenance and protection of traffic scheme has been agreed upon by the Department (both Bridge Design and OCMC's office), the Consultant shall evaluate whether or not the project warrants additional efforts to mitigate the impact of the construction on the public. Such efforts would include

construction contract provisions to: ensure a project's timely completion; to shorten the total duration; and to minimize traffic delays.

The Consultant shall consider and address in his evaluation, the project's significance with respect to: vehicular traffic; public safety; the community (quality of life, businesses, pedestrians, etc.); program needs (scheduling of other effected projects, etc.); other means of transportation (railroad, waterway, etc.); the project's complexity; coordination with others (railroads, utilities, etc.); etc.

If the Consultant's evaluation indicates that the project warrants additional efforts to mitigate the impact of the construction on the public, the Consultant shall investigate the various methods as they pertain to the project and make a recommendation of one method (or a combination thereof). Such methods shall include, but not be limited to the following:

Cost plus time bidding (A + B bidding); lane rental; incentive/disincentive clauses; time related contract provisions such as interim milestone dates or contract completion dates with significant liquidated damage provisions; the use of Critical Path Method (CPM) scheduling as a bid item; etc.

Any project estimated to cost more than \$20 million must include the use of Critical Path Method (CPM) scheduling as a bid item.

The Consultants discussion shall include but not be limited to the following for each particular method: advantages and disadvantages; its practicality; estimated construction duration; bar chart schedule; estimated construction cost; estimated road user costs; associated payments and assessments; etc..

The Consultant's evaluation and recommendation shall be submitted to the Department. The Department will make a determination on whether or not to implement a time related construction contract provision. If the Department decides to employ such a provision, the Final Design Consultant shall accordingly incorporate the provision into the Final Contract Documents.

- f. Uniform Land Use Procedure (ULURP): If it is determined that a ULURP is required for any purpose other than legal grade changes, the Consultant shall immediately initiate the required ULURP. (Contingency money for this work provided under, Fees and Payments, Section III of the Contract)

In conjunction with any required ULURP, the Consultant shall perform the following:

- 1) Preliminary Mapping
 - a) The Consultant shall prepare preliminary ULURP application drawings (Area Map, Preliminary Alteration Map, Acquisition Map) suitable for submission to the Department of City Planning for Pre-application review. The drawings will be prepared in accordance with the instructions of the Office of NYCDOT's Land Use Coordination, the office of the Borough President, and the Department of City Planning Technical Review Unit.
 - b) The Consultant shall modify the ULURP drawings as required until approval (sign off) is obtained from the Department of City Planning Technical Review Unit.
 - c) Upon receipt of "sign off" the Consultant will provide NYCDOT's Office of Land Use Coordination with 55 sets of prints of the ULURP Drawings and of drawings selected from the contract plans.
- 2) Engineering Assistance: The Consultant shall assist the City with his/her engineering expertise during the mapping procedure. This shall include, but not be limited to the following:

- a) Participate in all conferences, meetings, and Public Hearings on the mapping, upon the request of the Bureau of Bridges or the Office of Land Use Coordination, to present the engineering background necessary.
- b) Prepare reports, documentation, drawings or backup material necessary to advance the proceedings.
- 3) Final Map Preparation: The Consultant may be required to modify the Preliminary Alteration Map in accordance with the instructions of the Office of the Borough President, so that it is acceptable for approval by the Borough President as the Final Alteration Map.
- 4) Surveys: In preparing the Maps for the ULURP Application, the Consultant shall utilize all information as contained in the plotted Topographic and Utility Surveys. The Consultant shall supplement this information with field trips, additional surveys and searches for information as may be required.
- 5) Final Documents: Upon completion of ULURP (Adoption of Map(s)), the Consultant shall hand-deliver to the Commissioner the following:
 - a) One complete set of every Map, in ink, on reproducible drafting film (or other reproducible material as specified by the Office of Borough President).
 - b) All notes, studies, designs, analysis, drawings, calculations, data, etc. used in the preparation of Map(s).
 - c) Copies of all correspondence to and from all agencies (City, State, Federal), Utilities, Community Planning Boards, and all other having jurisdiction or interest in project or area.
 - d) Original survey notes and plotted survey tracings. All original Topographic Survey information shall be dated, signed and certified by a licensed surveyor. The License Seal of the Surveyor and/or Registered Professional Engineer shall be shown on all plans, tracings and tabulations sheets.

4. FINAL DOCUMENTS

- a. For the Project Bridge(s) upon completion and approval of the Bridge Reconstruction Project Report(s) and Preliminary Plan(s), the Consultant shall prepare and hand deliver to the Commissioner the following final documents, which shall be labeled, bound, and indexed in an orderly fashion:
 - 1) A complete set of Survey and the Preliminary Plans in AutoCad format. The Consultant shall submit to the Department two (2) copies of CDs or DVDs of the survey and preliminary plans in AutoCad and pdf searchable format.
 - 2) Six (6) sets of prints of the plotted Survey and the approved Preliminary Plans.
 - 3) Six (6) copies of the completed Final Bridge Reconstruction Project Report.
 - 4) Original design calculations and Bridge Load Ratings. The submission of computerized calculations must include, but is not limited to, diskettes and written details of all programming information and results.
 - 5) Originals/copies of all correspondence and data pertinent to the project. All correspondence shall be numbered, bound, and submitted with a typed index.
 - 6) Videotapes (or DVD equivalent) of all inspections.

- 7) The Consultant's certification that all applicable Departmental Standards, Directions, Rules, Regulations, and Guidelines have been conformed to.
- 8) All materials shall be packaged and delivered to the Commissioner in temporary file-type cartons, together with an index.
- 9) This submission shall be subject to Departmental review and approval.
- b. The Consultant shall submit four (4) copies of the Final Bridge Reconstruction Project Report (BRPR) to the New York City Department of Records and Information Services, Acquisitions Unit.

C. FINAL DESIGN

INCLUDED HEREUNDER ARE THE MAJOR TASKS AND SERVICES WHICH SHALL BE PROVIDED BY THE CONSULTANT FOR THE PROJECT BRIDGE(S) AND BE PERFORMED AS PART OF FINAL DESIGN:

1. PREPARATION OF ADVANCED PLANS (includes plans, specification books, special specifications, and itemized estimates).
 - a. The Final Design Scope of Work shall be defined as shown on the Approved Preliminary Plans and shall include the following requirements:
 - 1) The elimination (or improvement, at a minimum) of all Substandard Features (including stopping sight distances).
 - 2) The bridge project(s) should coordinate, as necessary, with any adjacent public/private agency projects currently anticipated regardless of the scheduled construction fiscal years, as concurred by NYCDOT.
 - 3) The incorporation of all work proposed by private parties and public agencies (utilities, railroads, etc.) and as concurred by the NYCDOT.
 - b. Deficient Conditions

All deficient conditions noted in the BRPR, and any commented on by the NYCDOT during the course of the Preliminary Design, shall be addressed in the Final Design to the satisfaction of the NYCDOT and in compliance with standard design requirements.

- c. Field Re-Inspection and Survey as Required:

The Consultant shall re-inspect the structure in order to update repair details (due to possible further deterioration); to document any additional interim repairs which were made to the structure; to obtain any information needed to calculate the final load ratings; and/or to obtain information to facilitate the maintenance and protection of traffic scheme. These re-inspection updates may be required up until the approval of the PS&E submission depending on the condition of the bridge(s) involved. The Consultant shall submit a re-inspection report (including photographs) to the Department. The Consultant shall provide any additional survey data required during the course of Final Design. In addition, the Consultant is required to re-survey the vertical and horizontal clearances for bridges over railroads. All surveying shall be performed by a New York State Licensed Land Surveyor. The Consultant shall perform his inspection and field survey in accordance with the applicable requirements of Preliminary Design; including the requirements pertaining to Flagged Conditions.

d. Uniform Land Use Procedure (ULURP):

If it is determined that a ULURP is required for the purpose of legal grade changes, the Consultant shall immediately initiate the required ULURP and shall perform all associated tasks as per the requirements included under the Specific Requirements Preliminary Design, Section II (B)(3)(f), subsections 1 through 5 of the Contract. (Contingency money for this work provided under, Fees and Payments Section III)

The Consultant understands and agrees that in order for the project work to efficiently proceed, it may be necessary for the Consultant to retain the services of sub-consultants specialized in the area of real property appraisal, evaluation and title examination. In such circumstances, the selection of the sub-consultant, as well as the proposed scope of work to be performed by the sub-consultant, and the proposed fees to be paid the sub-consultant shall be approved in advance by the Department after consultation with the City's Law Department. (Contingency money for this work provided under, Fees and Payments Section III)

e. Soils Investigation Program

The Consultant shall review the available subsurface data / Geotechnical Foundation Report assembled during the Preliminary Design and determine if additional Soils Investigation is required. The Consultant may perform his recommended Soils Investigation only if requested by the Consultant and authorized by the Department.

- 1) The Consultant shall perform his Soils Investigation Program in accordance with the applicable requirements of Preliminary Design.
 - 2) The Consultant shall compile the findings of the Soils Investigation Program and produce a Soils Investigation Report for submission to the Department. The report shall include the subsurface exploration results, geotechnical design parameters for various subsurface materials, soil profile(s), design analysis, evaluation, and recommendations.
- f. Prior to the start of Design, the Consultant shall submit its proposed design criteria to the Commissioner for review and approval; wherein such criteria shall include, but not be limited to, the following: materials (including grade and type), allowable stresses for new and remaining existing bridge elements.
- g. All new bridge decks are to be designed for MS23 using the allowable stress method (working stress). If during the design process, the Consultant finds that compliance with this requirement has an adverse impact, the Consultant shall describe the impact and submit its recommendation to the City.
- h. Load Ratings of the reconstructed and/or new structure shall be calculated for each of the following five vehicle types, set forth in 1) below, shall be provided on the plans.
- 1) The Consultant shall perform a load rating of all members of the structure in accordance with current NYSDOT requirements for Level One (1) load rating. Each member shall be rated for both Inventory and Operating conditions using each of the following types of loadings in all cases: MS23 or MS18, as specified in the approved Preliminary Design; M18; type 3; type 3S2; and type 3-3. All MS and M ratings shall include both the equivalent MS and M truck and total load in metric tons.
 - 2) The Allowable Stress (Working Stress) method shall be used, unless conditions necessitate alternative methods. All alternative methods are subject to the approval of the Department.
 - 3) All members must be designed to meet the minimum inventory load requirements of each of the aforementioned vehicular types.

- i. Seismic Design shall be performed. The Load Factor Method shall be used. Multimode analysis shall be performed. The design forces for foundations including footings, pile caps and piles shall be the lesser of: a) the forces determined in AASHTO Division I-A article 4.7.2 with R=1.0 (unreduced seismic forces obtained from analysis) or; b) the forces at the bottom of the columns corresponding to column plastic hinging as determined in AASHTO Division I-A article 4.8.2.

In metropolitan areas where traffic congestion is likely to occur, the Consultant shall consider the probability of a large live load being on the bridge during an earthquake and provide adequate capacity (Earthquake load combination shall include a minimum of 50% of the live load without impact).

- j. Maintenance and Protection of Traffic shall be included in the plans. The "Approved Preliminary Plans" shall be used as the initial basis for the design; however, due to the involvement of others, changes in the Maintenance of Traffic scheme may be required. It shall be the Consultant's responsibility to incorporate all approved changes into the scheme.
- k. If the project includes a special construction contract provision to mitigate the impact of the construction on the public, as determined during the Preliminary Design, it shall be the Consultant's responsibility to incorporate the specified provision into the Contract Documents (plans; specifications; and estimate). These construction contract provisions may include but are not limited to the following: cost plus time bidding (A + B bidding); lane rental; incentive/disincentive clauses; time related contract provisions such as interim milestone dates or contract completion dates with significant liquidated damage provisions; the use of Critical Path Method (CPM) scheduling as a bid item; etc. In Final Design, the Consultant shall also investigate various methods to compress the construction duration; such as: expanded mandatory work hours; minimum number of work crews; minimum number of locations of work; mandatory work sequence; etc.. It shall be the Consultant's responsibility to prepare all necessary contract requirements (contractual stipulations; road user costs; associated payments and assessments; etc.).

- l. Construction Schedule

A construction schedule shall be submitted by the Consultant together with its Advance Plan Submission.

The Consultant shall prepare a construction schedule which enumerates all pertinent construction tasks. The schedule shall take into account any railroad or other restrictions. The Consultant shall subsequently forward the schedule to the railroad in conjunction with the Consultant obtaining, reviewing and commenting on the Railroad License Agreement (Force Account) cost estimate.

If the project includes a special construction contract provision to mitigate the impact of the construction on the public, as determined during the Preliminary Design, the construction schedule prepared shall be in conformance with Critical Path Method (CPM) scheduling techniques. The Consultant shall prepare the CPM schedule such that it's level of detail is roughly equivalent to one work activity for each \$100,000 of the estimated construction cost. Exceptions to this requirement regarding the level of detail (i.e., number of activities) will be reviewed by the Department upon request by the Consultant. The critical activities shall be identified by the Consultant. In addition, the Consultant shall also submit a Time - Scaled Logic Diagram which shall show the sequence and interdependence of activities required for the complete performance of the construction work.

In conjunction with developing the CPM schedule, the Consultant shall also evaluate compressing the construction duration and make recommendations on incorporating the compressed schedule into the Contract Documents.

The Consultant's compression evaluation shall include but not be limited to: expanded mandatory work hours (nighttime, weekends, longer shifts, etc.); minimum number of work crews; minimum number of locations of work; mandatory work sequence; etc. The Consultant shall present the advantages and disadvantages of the various compression methods as well as to provide appropriate justification for his recommendation (including cost estimates) to the Department.

If the project does not include a special construction contract provision, the Consultant may submit his schedule in the form of a bar chart.

The Consultant's schedule (CPM or bar chart) shall graphically show the activities necessary to complete the work, and the sequence in which each activity is to be accomplished as planned by the Consultant and in accordance with current construction practices. Activities shown on the schedule shall include but are not necessarily limited to:

1. Project mobilization;
2. Submittals and approvals of Shop Drawings and Samples;
3. Procurement and delivery of equipment and critical materials;
4. Fabrication of special material and equipment, and their installation and testing;
5. Final cleanup;
6. Final inspection and testing;
7. Holiday shutdown - and interdependence;
8. Railroad activities;
9. Maintenance and protection of traffic work;
10. Earthwork/ demolition work/ substructure work/ superstructure work/ highway work/ drainage work/ etc.;
11. Utility work;
12. Painting;
13. All activities that affect progress, with required dates for completion.

The Consultant's schedule submission (CPM or bar chart) shall include at a minimum: description of the activities; work days per week, number of shifts per day, number of hours per shift; major equipment used; work location; major activity constraints; indicate activities not performed by the contractor; etc.

The Consultant shall submit his construction schedule (including his compression recommendations, as required) for review and comment to the Department. The Consultant shall revise, update and resubmit his construction schedule, as required.

Upon approval by the Department, the Consultant shall provide for and incorporate the schedule into the Contract Documents (plans, specifications, and estimate). This includes the preparation of all necessary contract requirements.

m. Special Specifications

The Consultant shall prepare Special Specifications and submit them as early as possible for approval by the Department. Special Specifications shall be required if the latest issue of NYCDOT and NYSDOT Standard Specifications with current additions and modifications, including any Engineering Instruction (E.I.) and State Special Specifications (as per the current NYSDOT Control Report), does not cover particular items included in the scope(s) of work of the subject bridge(s).

- 1) The Consultant shall use State Standard and Special Specification items. If State Specifications are not applicable, the Consultant may use existing NYC approved specification items, which will be supplied by the Department. It shall be the Consultant's responsibility to convert State Special and NYC approved specification items from English to SI (metric) units.
- 2) The procedure for preparing and obtaining new special City specifications approval shall include the following:
 - a) After determining that there is no current applicable State or City Specifications, the Consultant shall prepare any special specifications required and shall submit them for approval to the Department, and all affected parties.

b) After approval by the Department, the item numbers will be assigned. The Consultant shall then incorporate the special specifications into the Specification Book portion of the contract documents.

n. Specification Book

The Consultant shall prepare and assemble the Specification Book, which shall include the proposal for Bids, Bid Agreement, and Specifications in accordance with the Department's standard format and specific requirements. This task shall include all necessary work such as preparation of the Bid Schedule and Special Provisions; writing all technical items; typing-in necessary information on proposal pages; and assembling the Specification Book for use in the review submittal.

o. Drawing shall be in accordance with NYCDOT requirements as specified in "Specifications for the Preparation of Record Drawings and Electronic Media".

p. Advanced Plans Submission

1) For the project bridge(s), the Consultant shall prepare the Advanced Plans Submission, including plans, specification books, special specifications and itemized estimates, the completeness of which shall be not less than 90% of a Final Bid Submission. The Contract Limits of the project bridge(s) shall be determined during the course of the Final Design and shall be subject to the review and approval of the Commissioner.

2) The Advanced Plans Submission shall be prepared in accordance with all applicable documents listed in Section (A) (4) of the Specific Requirement Section of this Contract. The Advanced Plans Submission shall be submitted to the Department for review prior to being submitted to the other affected parties. Five (5) sets of Advanced Plans Submission documents are required by the Department for its review. After approval by the Department, the Consultant shall submit sets of the Advanced Plans Submission for the project bridge(s) to all affected agencies (written receipts required), as determined by the Commissioner, for their review. An All-Agency conference and a separate OCMC meeting will subsequently be held to receive the agencies comments which the Consultant shall attend. All comments as approved by the Commissioner shall be incorporated by the Consultant into the Final Plans. The total number of sets of Advance Plans submission documents produced shall not exceed sixty (60) sets, except for the specification books, the total of which shall be ten (10) copies.

The Consultant shall submit Forty (40) required sets of the Capital Project Estimate(s) (itemized estimates) after the Advanced Plans Submission is approved. The Itemized Estimates shall be prepared in accordance with Departmental requirements and as follows:

a) On a "per item number" basis for the entire construction project, plus on an "individual bridge" basis for construction projects involving more than one bridge.

b) Separated by budget lines, on a "per item number" basis, for the entire construction project; and separated by budget lines on an "individual bridge" basis for construction projects involving more than one bridge.

c) The Consultant shall input his Capitol Project Estimate into the Department's computer system. The Department shall make available to the Consultant a computer terminal with access to a menu driven program. This is required to ensure agreement with the Department's item data base; as well as to subsequently generate a computer printout of the submitted bids.

The Consultant shall perform the necessary data entry (items; quantities; budget codes; etc.). The terminal will be made available between 9 AM and 4 PM on City working days. The Consultant shall be responsible for verifying that the computer generated item lists have the correct item descriptions and units. Should any discrepancy be discovered in the item lists, it shall be immediately corrected

by the Consultant in consultation with the NYCDOT Project Manager and the Department's Bridges and Roadway's Information System group.

The Consultant shall be responsible for ensuring that the data entered is complete and approved, as necessary, by the involved parties (with respect to: budget codes; shared costs; item numbers; etc.). If there are any subsequent changes in related item lists (ie., the Capitol Project Estimate; the Bid Schedule (B-Sheets)), prior to the start of advertisement, the Consultant shall update the computer entries . The Consultant shall also immediately update the computer entries if an addendum to the Bid Documents is issued.

2. PREPARATION OF FINAL CONTRACT BID DOCUMENTS

a. Final Plans Submission

- 1) For the project bridge(s) the Consultant shall prepare the Final Plans Submission (including plans, specification Book(s), and itemized estimate(s)), the completeness of which shall be not less than 100% of a contract Bid Document submission incorporating all comments made on the Advanced Plan Submission as approved by the Department.
- 2) The Final Plans Submission shall consist of ten (10) sets of the above documents submitted to the Department for review. The specification book(s) shall include the special specifications. The itemized estimate(s) shall be in accordance with the Advance Plans submission requirements. An All-Agency conference will subsequently be held to receive the agencies comments, which the Consultant shall attend. All comments as approved by the Commissioner shall be incorporated by the Consultant into the P.S. & E. Submission.

b. P.S. & E. Submission

- 1) For the project bridge(s), the Consultant shall prepare the P.S.& E. Submission includes plans, specification book(s) and itemized estimate(s).
- 2) The P.S. & E. Submission shall consist of twenty (20) sets submitted for review to the affected parties as approved by the Department. The specification book(s) shall include the special specifications and only ten (10) copies shall be submitted for review. The itemized estimate(s) shall be prepared in accordance with the Advance Plans Submission requirements.

c. The Contract Bid Documents Submission: Upon the approval of the P.S. & E. including the incorporation of all approved comments, the Consultant shall hand-deliver to the Commissioner the following:

- 1) Two hundred fifty (250) half size and twenty (20) full size sets of bound paper prints of the Contract Plans for the project bridge(s). Printing shall be one-sided.
- 2) One (1) original of the Consultant's Itemized Estimate for each of the project bridge(s), including the required City agency budget code breakdown(s).
- 3) Two hundred fifty (250) complete bound books of specifications, collated, with boiler plate, for the construction project. Printing shall be two-sided.

3. BID ANALYSIS (INCLUDING SCANNING AND INDEXING SERVICES, AND DELIVERY OF FINAL CONTRACT DOCUMENT RECORDS)

- a. The Consultant, at the commencement of the bidding period for every ensuing construction contract, shall obtain a copy of the Invitation to bid.

- b. The Consultant shall provide, to the satisfaction of the Commissioner, all services required during the bidding period in order to ensure that questions from prospective bidders are answered in a uniform/timely fashion, including attending the Pre-Bid Meeting(s).
- c. During the bidding period, the Commissioner shall make known to the Consultant, and the Consultant shall make known to the Commissioner, any ambiguities or inconsistencies in the Bid Documents. The Consultant shall investigate all such problems and shall deliver to the Commissioner an analysis and/or recommendation concerning the resolution of all such problems.
- d. Where the Commissioner deems that an Addendum to the construction contract is necessary, the Consultant shall prepare and hand-deliver said Addendum to the Commissioner within twenty-four (24) hours of notification and shall notify and deliver via overnight mail and/or FAX machine a copy of the addenda to all prospective bidders immediately upon receiving direction to do so from the Commissioner.
- e. The Consultant shall attend the opening of bids and commence the review and analysis of the bids in accordance with currently applicable Departmental Standards. In general, this shall include the reviewing of the computer printout of the submitted bids, the analyzing of unit prices and lump sum items to determine the appropriateness of costs with respect to the associated work items, the determining of apparent unbalanced and penny-bid items, the checking of item quantities as directed, and the re-checking of quantities and lump sum items for low bid items that are 15% or more above the Consultant's Estimate. If required, the Consultant shall prepare a "Case II" or a "Savings" analysis, whichever applies, in accordance with the latest NYSDOT procedures.
- f. The Consultant shall formally recommend to the Department, within twenty-four (24) hours of the receipt of the bid tabulation, an acceptable low bidder.
- g. Within forty-eight (48) hours of the receipt of the bid tabulation, the Consultant shall submit comments on the reviewed computer printout of the submitted bids, in accordance with currently applicable Departmental Procedures.
- h. In conjunction with the Uniform Code of Bridge Inspection, the Consultant shall prepare the NYSDOT's Level I Load Rating Summary, Level II Load Rating input forms, and update the Bridge Inventory Sheets for the reconstructed bridge (as per the design shown in the Contract Bid Documents submission).

The Consultant shall submit these items (Level I Load Rating Summary, the Level II Load Rating input forms, and Updated Bridge Inventory Sheets) to the NYSDOT's Region 11 Bridge Planning and Management Group, and send copies to the Department.

i. Scanning and Indexing of Documents

In accordance with NYCDOT requirements for the Scanning of Engineering Drawings and Documents in pdf format, (minimum 600dpi), the Consultant shall assemble all appropriate project documentation and shall scan and prepare computerized index of said documentation. This shall include, but not be limited to, the following:

- 1) The Consultant Scan and Index all Contract Documents and back-up information, as prepared and compiled in connection with this Project, including the existing Plans and all survey documents, in accordance with currently applicable Departmental Standards and Procedures.
- 2) The Consultant shall provide a computerized index, which shall be a chronological listing, including an abstract of document content for the central project file, said Index to be incorporated into the CDs / DVDs presentation.
- 3) All records shall be kept in a complete, comprehensively indexed central project file, which the Consultant shall maintain. This file shall contain all letters, reports, minutes, files notes, sketches, computations,

telephone messages, diaries, surveys, marked-up drawings, worksheets, data, research records, computer outputs, payments, problem reports, applications, renderings, and permits. Additionally, the central project file shall be kept in a format in accordance with currently applicable Departmental Standards and Procedures, which in general shall mean a format which shall facilitate the indexing of the required records.

4. FINAL CONTRACT DOCUMENT RECORDS

The Consultant shall hand deliver the following Final Contract Document Records to the Commissioner after the Bid Analysis, Scanning and Indexing are complete and in accordance with the time of completion schedule of this contract:

- A. The complete set of original (permanent) final contract bid documents for the project bridge(s). These documents shall include plans, specification book(s) (including special specifications, proposal for bids, bid agreement) and itemized estimate(s). The consultant shall submit to the department two (2) copies of the CDs or DVDs in AutoCad format and one continuous searchable multi-page file of the approved and signed drawings in pdf format (see Specifications for the Preparation of Record Drawings and Electronic Media).
- b. All project files, scanned, and index of project files.
- c. Original design calculations and Bridge Load Ratings. The submission of computerized calculations must include, but is not limited to, diskettes and written details of all programming information and results.
- d. Originals/copies of all correspondence and data pertinent to the project. All correspondence shall be numbered, bound, and submitted with a typed index.
- e. The Consultant's certification that all applicable Departmental Standards, Directions, Rules, Regulations, and Guidelines have been conformed to.
- f. All materials shall be packaged and delivered to the Commissioner in temporary file-type cartons together with a typed index.
- g. This submission shall be subject to Departmental review and approval.

D. CONSTRUCTION SUPPORT SERVICES

INCLUDED HEREUNDER ARE THE MAJOR TASKS AND SERVICES WHICH SHALL BE PROVIDED BY THE CONSULTANT FOR THE PROJECT BRIDGE(S) AND BE PERFORMED DURING CONSTRUCTION SUPPORT SERVICES:

- 1. The Consultant shall provide Specialized Engineering Services, Plant Inspection Services, Materials Testing Services, Shop Drawing Review Services, and Design Services in accordance with the Contract Documents and the Referenced Design Specifications with a staff commensurate with the level of construction activity until completion and final acceptance of the Construction Contract work. In the event of a work stoppage or a winter shutdown, or as situation warrants, the Consultant shall reduce his work force appropriately or as directed by the Commissioner. Forms 4T-1 and 4T-2 of the Specific Requirements indicates the approximate level of competence required of the staff, together with estimated durations of employment.
- 2. The Consultant agrees to provide, as required by the Commissioner and to his/her satisfaction, Shop Drawing Review Services. The Consultant shall be responsible for the review and approval of all shop drawings as required by the Contract Documents. Shop Drawings shall be reviewed for their conformance with the Contract Documents and any changes to the details or specifications as approved by NYCDOT. The Contract Documents include the Plans and Specifications along with all other referenced material in the

Contract. The Consultant shall appropriately stamp all reviewed shop drawings with a stamp indicating "designations of acceptance" which conform to the contract documents and as approved by the Commissioner. Processing of Shop Drawings shall comply with directions given by the Commissioner. The Consultant may be required to coordinate his Shop Drawing review with other agencies as required by the contract documents or agencies as designated by the Commissioner.

All drawings prepared by the Contractor (including Sub-Contractors, Fabricators, Manufacturers, Erectors, etc.) to facilitate construction as required by the Contract Documents shall be termed Shop Drawings.

Such Shop Drawings shall include, but not be limited to the following:

- | | |
|--|---|
| 1. Structural Steel Drawings | 8. Bridge Railing Drawings |
| 2. Prestressed/Precast Concrete Drawings | 9. Bridge Bearing Drawings |
| 3. Shop/Plant Repair Procedures and Drawings | 10. Temporary Jacking and/or Shoring Drawings |
| 4. Heat Curving/Cambering Drawings | 11. Cofferdam/Sheeting Drawings |
| 5. Erection and Transportation Drawings | 12. Demolition/Removal Drawings |
| 6. Expansion Joint System Drawings | 13. Machinery Drawings/Catalog Cut |
| 7. Steel Reinforcement Drawings | 14. Electrical Drawings/Catalog Cut |

As part of Shop Drawings Review Services the Consultant also agrees to review and provide comments on any calculations required by the contract documents or by the Commissioner to be submitted by the contractor or his engineer.

3. The Consultant shall review the Contractor's Removal Plan to ascertain if they adequately identify and address safety conditions and that the demolition operation does not subject the structure to any stress in excess of the structures' ability to support.
4. The Consultant shall attend liaison, progress, coordination and other such meetings when required by the Department. When required by the Department, the Consultant shall analyze, review and provide recommendations on all changes in materials, design or proposed work, particularly as they may apply to "Value Engineering" that is proposed by the Contractor.
5. Prior to commencement of work Shop Drawing Review and/or Erection Drawing Review Services, the Consultant shall submit to the Commissioner for review and approval, the names, grades, and experience of the personnel who it is anticipated will be utilized on these services. In no event shall the Consultant perform Drawing Review Services without prior written authorization by the Commissioner or his/her duly authorized representative.
6. The Consultant agrees to provide Interim (Semi-Annual) Inspection of the portion of the project bridge(s) open to traffic as per the Department's Interim Inspection requirements.
7. In the event the Department decides to provide Resident Engineering and Inspection Services with in-house personnel, the following shall be performed by the Consultant:
 - a. The Consultant shall have the in-house specialized capability or shall have a specialized sub-consultant to handle the Department's Air-Monitoring Protocol.
 - b. The Consultant shall prepare, and furnish complete sets of accurate shop, working and record as-built drawings, catalog sheets, technical bulletins, manuals, diagrams, other printed matter, etc. as required which shall show the work as actually installed in compliance with the provisions of the "Specifications for the Preparation of Record Drawings and Electronic Media" (see Section VII, A of this Contract).

III. FEES AND PAYMENTS

INCLUDED HEREUNDER ARE THE MAJOR PROVISIONS/REQUIREMENTS APPLICABLE TO PRELIMINARY DESIGN, FINAL DESIGN, AND CONSTRUCTION SUPPORT SERVICES:

A. FEE

In full payment for all services to be rendered hereunder, the City shall pay to the Consultant and the Consultant agrees to accept a fee not to exceed:

Preliminary Design	\$		
Final Design	<u>\$4,250,000.00</u>	Budgetary amounts*	
Construction Support	<u>\$5,100,000.00</u>	Budgetary amounts*	

** Fees for Final Design and Construction Support are estimates based on information currently available to the Department. Should the scope of work develop during the Preliminary Design phase indicate that more work will be required for Final Design and Construction Support than is currently anticipated, any proposed fees for Final Design and Construction Support in excess of the amounts above are subject to the approval of the office of Management and Budget.*

If the Consultant is designated to complete all three (3) services, the total not-to-exceed fee is \$_____.

B. BASIS

The payment for the services rendered herein shall be made on the basis of total direct technical office salary costs of the Consultant attributable to the contract times a technical office multiplier, plus direct reimbursement for Principals' Time and certain out-of-pocket expenses.

C. DEFINITIONS

1. Direct Technical Office Salary Cost

Direct technical office salary cost shall include only engineering, surveying and drafting salaries, exclusive of Principals' Time, and shall be derived from direct individual salaries, not including overtime premium pay, vacation pay, holiday pay, social security, unemployment insurance, worker's compensation, sick pay or other fringe benefits. Any salary increases prior to or during the contract period shall be within parameters as established in the Engineer Pay Index of the U.S. Bureau of Labor Statistics-Employment Cost Index for Professional Specialty and Technical Workers-Wages and Salaries. ¹

1 THE ANNUAL EMPLOYMENT COST INDEX PERCENT INCREASE TIMES THE TOTAL YEARLY SALARY COST OF ALL CURRENT EMPLOYEES WORKING ON THAT PROJECT FOR THE PRIOR YEAR, BECOMES A POOL OF MONEY FROM WHICH VARIOUS RAISES MAY BE GRANTED. THE MAXIMUM SALARY INCREASE PER PERSON IS LIMITED TO THE ANNUAL EMPLOYMENT COST INDEX PLUS 50% OF THE INDEX. THE TOTAL OF INDIVIDUAL RAISES SHALL NOT EXCEED THE POOL MONEY PER CONTRACT YEAR.

2. Technical Office Multiplier

The technical office multiplier shall be applied to the direct technical office salary costs of the Consultant in connection with the project, and shall be considered as including provisions for indirect costs and profit.

3. Principals' Time

Principals of the firm, such as partners or owners, shall be compensated for their time, to the extent that they perform services other than administrative or supervisory services, as follows:

- a. The rate of compensation for Principals' Time shall not exceed One Hundred Dollars (\$100.00) per hour, to be based on actual draw.
 - b. The Principals participating in the Project shall provide the Commissioner with a demonstration certifying his/her actual draw from the firm on an average weekly basis. Where said rate exceeds Fifty Dollars (\$50.00) per hour, the principal participating in the project shall provide the Commissioner with a notarized statement by a certified public accountant that such rate does not exceed the principals' annual direct compensation, excluding profit, computed on an hourly rate. The amount payable for Principals' Time shall not be included in the technical salary cost base and is not subject to any multiplier.
 - c. The Principals participating in the Project shall maintain a daily log of their participation, which shall be available for inspection by the Commissioner and the Comptroller of the City.
 - d. The Commissioner shall certify that direct participation by the Principals is essential to the effective and economic completion of the Project.
 - e. The total compensation for the Principals' Time shall not exceed Thirty-Five Percent (35%) of the total not to exceed fee as stated hereinbefore.
 - f. In the event that a Principal assumes the specific assignment of responsibilities normally allocated to a technical member of the project team, said Principal shall be compensated at a rate corresponding to the technical salary commensurate with that assignment times an adjusted (where appropriate) multiplier, said multiplier to be established by Department's Engineering Audits Bureau to avoid duplication of indirect expenses. (Adjusted multiplier is calculated by decreasing 10% from multiplier).
 - g. The words "the Principals" or "the Principals of the firm" are understood to mean those individuals in a firm who possess legal responsibility for its management. They may be owners, corporate officers, associates, partners, etc. With respect to a corporation, a principal is further defined as that person who owns ten (10) percent or more of the voting stock.
4. Survey Work required for preliminary design phase is included in Direct Technical Labor. Titles related to survey work are subject to Prevailing wages and supplemental benefits.
5. Out-Of-Pocket Expense.

Out-of-pocket expenses shall be limited to:

- a. The cost of acquiring, on a per diem basis, the services of other experts or engineers as may be required for the performance of the Consultant's services.
- b. The cost of retaining the services of a qualified contractor, or contractors, to provide for Concrete Coring and Concrete Core Testing Services, Concrete Encasement Removal, Steel Sampling, Underwater Inspection, Soils Investigation and Testing Services, and Permit Application Fees and related Sampling and Testing Services, as required.
- c. The cost of any Force Account expenditure(s) and/or Force Account Agreement(s) that may be required for the performance of the Consultant's In-Depth Inspection(s). (For Definition, See III.C.5)
- d. The costs of the use of motor vehicles, owned by the Consultant or employees of the Consultant or leased and maintained by the Consultant and used specifically for and only for the performance of this

contract, shall be compensated on a direct mileage basis in accordance with the standards as established for reimbursement allowances for City personnel.

- e. The cost of procurement of copies of documents, data sheets, drawings and reports for reference and information.
- f. The cost of printing and duplication.
- g. The cost of photographic film, developing and printing.
- h. The cost of renting other materials or equipment, or acquiring services specifically for, and applicable only to, this project may be submitted for direct payment as out-of-pocket costs. This shall not include the purchase of general tools or office supplies whether expendable or reusable.
- i. The cost of procurement of copies of documents, data sheets, drawings and reports for reference and information.
- j. The costs of project specific miscellaneous items approved by the Project Manager / EIC are reimbursable.

Out-of-Pocket expenses shall be subject to audit by the Department. Consequently, the Consultant shall maintain, and submit to the Department as part of his/her monthly payment voucher, time and material records for all out-of-pocket expenses incurred during that month and submitted for reimbursement in connection with the services herein contained.

6. Force Account Work

Force Account Work refers to the non-DTL expenses associated with having railroad entity personnel assist in the inspection of facilities above or below active railroad lines. Force Account Work also refers to the non-DTL expenses associated with having railroad entity personnel perform a technical review of the Plans.

7. Indirect Costs and Overhead

- a. Indirect Costs shall include costs of a general nature which could be applied to the Consultant's entire operation and which are not readily attributable to any one project. These shall include: fringe benefits, taxes, insurance premiums, postage, office supplies, motor vehicles, equipment, office machine and computer rentals, depreciation on purchased equipment, maintenance and operation costs, recruitment, temporary facilities, consultant fees, overhead (see below) and any such costs as are necessary to conduct the Consultant's operations with the exception of those cost items which are submitted for direct payment as out-of-pocket expenses.
- b. Overhead includes that portion of the Consultant's administrative, clerical and financial costs which are applicable to operations, including, but not limited to: rent, utilities, salary costs of administrative and clerical work (including administrative services of the Principal and Technical Typing), fringe benefits, payroll expenses, taxes, insurance, legal and professional fees, bank service charges, depreciation, office supplies and equipment, maintenance, etc.

D. PAYMENTS

1. During the course of the Contract, all payments, including the final payment, shall be paid to the Consultant on a monthly basis as they occur, as follows:
 - a. Payment shall be made based on direct technical office salaries of the Consultant and all Professional subcontractors in connection with the project, times a technical office multiplier of:

Overhead (*)	Profit (*)	Multiplier (*)
A	B	(1+A)x(1+B)

(*) The agency will consider the proposed interim multiplier for establishing Preliminary Design Total Fee (including DTL, interim overhead & Maximum Profit of 10%). The interim multiplier will be based on currently available information on Consultant Company's overhead and profit. This multiplier is subject to audit and revision in accordance with applicable NYC Comptrollers' Directive on an annual basis when the actual overhead information for the respective year becomes available. Suitable adjustments to the previous payments will be made accordingly upon completion of phase and when multiplier information is available. As needed, the additional fund for the overhead and profit will be added via Change Order by the Agency at the discretion of the Agency.

The same procedure will be followed at the beginning of Final Design & CSS Phases.

- b. For approved out-of-pocket costs and allowable time for Principals' services, payments shall be made on the basis of direct reimbursement at cost to the Consultant, with no markup for the Consultant's overhead and profit.
2. The Consultant shall submit to the Commissioner, or his/her duly authorized representative, but not more than once per calendar month, a certified voucher, and six copies, setting forth in detail the items of work and services performed by the Consultant and the amount of partial payment requested. Vouchers shall be accompanied by statements prepared and certified by the Consultant setting forth the name and title of each of his/her and his/her sub-consultants employees who was engaged in the project during such respective month, the number of hours worked each day, the direct salary and the number of hours worked each day, the direct salary and the compensation attributable to the time for which the voucher is submitted. All vouchers shall be accompanied by a report on the progress of the work properly coded and tabulated to indicate the percentage of completion of each phase of the work. All said vouchers and progress reports shall be subject to review and approval of the Division's designated Project Engineer.
3. The Commissioner shall review the said voucher and if, in his/her judgment, the work and services therein set forth have been performed, the Commissioner shall endorse his/her approval of payment of said voucher.
4. Out-of-pocket expenses and compensation for Principals' Time approved by the Commissioner shall be paid at cost to the Consultant, with no markup for the Consultant's overhead and profit.
5. There shall be a final payment made at the end of each phase (Preliminary Design, Final Design and Construction Support Services) with the release of the associated retainage of the applicable phase.
6. The last and final payment to the Consultant shall become due and payable upon the actual completion of the work under this contract and the filing by the Consultant with the Commissioner of all records and documents in connection with the contract.
7. The final voucher shall be accompanied by a statement certifying the total direct technical salary costs of the Consultant attributable to the contract.

8. The Fee and all payments hereunder shall be subject to review and audit by the Department of Transportation and subject to a post audit by the Comptroller.
9. The Fee shall not be increased for any reason except as provided herein.
10. DOT has made a determination that it will NO LONGER HOLD retainage ON FTA/FHWA FUNDED CONTRACTS.
11. All rate increases are subject to the current DOT's rate increase guidelines. Any increase in salary rates shall not affect the final negotiated cost.
 - a. The annual daily wage rates, exclusive of applicable weekend/night work differential, shall not exceed the rates as shown on Form 4T-1. However, the Consultant may periodically, but not more than once per contract year, request, in writing to the Department, to have these rates adjusted. This adjustment shall be subject to the approval of the Chief Bridge Officer of Construction and the Engineering Audit Officer, and shall be within the parameters as established in the U.S. Bureau of Labor Statistics Employment Cost Index for Professional Specialty and Technical Workers-Wages and Salaries.
 - b. Partial Payments:
 - I) The Consultant shall be paid in monthly progress payments based on actual allowable cost incurred during the period in accordance with Fees and Payments, Section III (A) of the Contract. The consultant shall submit a breakdown of costs for each specific task provided with request for payment. Bills are subject to the approval of the Commissioner, or his/her duly authorized representative.
 - II) The Consultant shall inform the City and all Sub Contractors and Sub Consultants of the Consultant's schedule for submitting monthly vouchers to the City, said schedule shall be strictly adhered to by the Consultant.
 - III) All Sub Contractor and Sub Consultant Vouchers received by the Consultant at least ten (10) calendar days prior to a scheduled billing, shall be included in that billing, even if the Consultant does not have other costs to be billed for that period. The Consultant shall inform the Sub Contractor or Sub Consultant of the date the voucher was submitted to the City and the amount included for the sub Contractor or Sub Consultant.
 - IV) The Consultant is required to make partial payments to all Sub Contractors and Sub Consultants within (10) calendar days of receipt of payment from the City.
 - V) Accounts of the Consultant shall clearly identify the costs of the work performed under this Agreement and shall be subject to periodic and final audit by the City and, on Federally aided Projects, by the Federal Highway Administration. Such audit shall not be a condition of partial payment.
 - VI) DOT has made a determination that it will NO LONGER HOLD retainage ON FTA/FHWA FUNDED CONTRACTS.
 - c. The Consultant shall not be entitled to any additional compensation as a result of any sum or sums paid to the Construction Contractor(s) in settlement of claims for additional compensation or of any judgment for damages under the construction contract(s). However, in the event it becomes necessary to re-let the construction contract(s), the Consultant shall be compensated for any additional work required as a result of such re-letting as ordered by the Commissioner, under terms to be agreed upon.

- d. The Consultant agrees that, in the event the City deems it necessary to cancel the Construction Contract of the project for any cause, he will perform the necessary Construction Support Services to effect the completion of the work described in said contract. For such services, the Consultant shall not receive extra compensation but he shall be compensated in accordance with the terms of this Agreement in the same manner as if the cancellation of such Construction Contract had not occurred.
12. The provisions of the original contract shall be followed in case of a company merger or takeover.
13. The total length of the Preliminary Design and Final Design Services for the project bridge(s) shall be as stipulated in the Time of Completion Schedule (Table I – Scope of Work). The total length of Construction Support Services shall be the duration of the Construction Contract of the project bridge(s).

E. COST LIMITATIONS

1. PRELIMINARY DESIGN

The "not to exceed" fee of \$_____ shall be apportioned as follows:

- a. The total direct technical office salary costs times the technical office multiplier stated herein plus reimbursement for Principals' Time for services provided hereunder shall not exceed \$_____.
 - b. The total cost of routine operational out-of-pocket expenses not anticipated to exceed \$150,000.00.*
- . The cost of out-of-pocket expenses for the Concrete Coring Program shall not exceed \$-0-,* the cost of Force Account expenses shall not exceed \$-0-,* the cost of Permit Application Fees and related Sampling and Testing shall not exceed \$15,000.00,* the cost of the Encasement Removal shall not exceed \$-0-,*, Cost of work is subject to Departmental approval. Approval shall be based on competitive low bid process from a minimum of three sub consultants.

** The cost limitations for these are budgetary estimates of non-DTL expenses only and have been established to cover work which may reasonably be expected on this project. The actual extent and cost of this work shall be determined during the Consultant's operations in connection with the project, and may or may not exceed the limitations as stated herein. Cost of work is subject to Departmental approval. In the event that the cost of required work exceeds the stated cost limitation for this work, then the condition shall be deemed a change of scope and the Consultant shall, upon concurrence of the Department and of the Office of Management and Budget, make written request for an increase in funds in accordance with standard change-order procedures and in conformance with Appendix A2 Section 9.01.*

- d. The total direct technical office salary cost times the technical office multiplier plus reimbursement for Principals' Time and approved out-of-pocket expenses for services provided in connection with contingent work to provide Underwater Inspection, as stated herein, shall not exceed \$ 20,000.00,** and services provided in connection with contingent work to provide a Steel Sampling Program, as stated herein, shall not exceed \$-0-,** services provided in connection with contingent work to provide for Flagged Conditions, as stated herein, shall not exceed \$15,000.00,** services provided in connection with contingent work to provide Soil/Coring Borings for the Soils Investigation Program, as stated herein, shall not exceed \$250,000.00,**, services provided in connection with contingent work to provide for the cost of Soil/Sediment Sampling and Pigeon Waste Assessment, as stated herein, for the Hazmat Sampling/Testing shall not exceed \$30,000.00,** services provided in connection with contingent work to provide for the cost of Hydrographic Survey, as stated herein, shall not exceed \$ 20,000.00,**, services provided in connection with contingent work to provide for Field Equipment Rental, as stated herein, shall not exceed \$40,000.00,** services provided in connection with contingent work to provide a Mechanical and Electrical Inspection, as stated herein, shall not exceed \$20,000.00,** services provided in connection with contingent work to provide a Value Engineering, as stated herein, shall not exceed

\$50,000.00.** Cost of work is subject to Departmental approval. Approval shall be based on competitive low bid process from a minimum of three sub-consultants.

- e. The total direct technical office salary cost times the technical office multiplier plus reimbursement for Principals' time and approved out-of-pocket expenses for services provided in connection with contingent work to provide a ULURP process, as stated herein shall not exceed \$50,000.00**, and services provided in connection with contingent work to provide Title Examinations and Reports, as stated herein, shall not exceed \$-0-.** Cost of work is subject to Departmental approval. Approval shall be based on competitive low bid process from a minimum of three sub-consultants.

** No work shall be performed under these contingency provisions unless the Consultant has demonstrated, in writing, that the work under the contingency provisions is necessary for the prosecution of the services required under this Agreement. The cost limitation for contingency work is a budgetary estimate only and has been established to cover work which may reasonably be expected on this project. The actual extent and cost of this work shall be determined during the Consultant's operations in connection with the project, and may or may not exceed the limitations as stated herein before. Cost of work is subject to Departmental approval. In the event that the cost of required work exceeds the cost limitations as stated for this work, then the condition shall be deemed a change of scope and the Consultant shall, upon concurrence of the Department and the Office of Management and Budget, make written request for an increase in funds in accordance with standard change-order procedures and in conformance with Appendix A2 Section 9.01.

2. FINAL DESIGN

The Final Design fee shall be negotiated at the completion of Preliminary Design, and shall be apportioned at that time in accordance with the not to exceed fee and technical office multiplier(s) as stipulated herein under section III. (Fees & Payments)

Final Design Services	<u>\$4,250,000.00</u>	Budgetary Amount
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3. CONSTRUCTION SUPPORT

The Construction Support fee shall be negotiated at the completion of Final Design, and shall be apportioned at that time in accordance with the not to exceed fee and technical office multiplier(s) as stipulated herein under section III. (Fees & Payments)

Construction Support Services	<u>\$5,100,000.00</u>	Budgetary Amount
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- 4. Upon approval by the Department, funds may be transferred between tasks as long as the scope or total fee of the Agreement is not exceeded, upon approval of the Department.
- 5. For both partial and final payment purposes (Preliminary and Final Design only), the cost limitations, as herein stated in Form 4T2, shall be adhered to.
- 6. In addition to any other requirements contained herein, the Consultant is advised that all payments due under this contract are subject to various directives issued by the Office of the Comptroller regarding the auditing of payments to consultants. Such directives are:

Directive No. 2 ("Guidelines for Audit of Vouchers Submitted Under Cost Reimbursable Contractual Agreements"); Directive No. 6 (Travel Meals Lodging and Miscellaneous Agency Expenses); and Directive No. 7 ("Audit of Payment Vouchers Issued Under Contracts for Construction, Equipment and Related Consultant Services").

Said Directives may be obtained from the Project Engineer.

In addition to any other requirements contained herein, the Consultant is advised that all payments due under this contract are subject to various directives issued by the Office of the Comptroller regarding the auditing of payments to consultants. Such directives are:

Directive No. 2 (Guidelines for Audit of Vouchers Submitted Under Cost Reimbursable Contractual Agreements); Directive No. 6 (Traveling, Meals, Lodging and Miscellaneous Agency Expenses); and Directive No. 7 ("Audit of Payment Vouchers Issued Under Contracts for Construction, Equipment and Related Consultant Services").

IV. TIME OF COMPLETION

The Consultant shall complete all tasks associated with the Preliminary and Final Design phases of this contract within the time frames listed, for the project bridge(s), of the contract as shown in Table I – Scope of Work. The total anticipated time of completion is **3073** Consecutive Calendar Days from Date of Written Notice to Proceed for the preliminary design phase until final completion of the construction contract.

THE CONSULTANT SHALL COMPLETE ALL TASKS AS LISTED IN SECTION II, HEREIN, AND SHALL SUBMIT TO THE CHIEF BRIDGE OFFICER ALL DOCUMENTS AS LISTED IN SECTION II, HEREIN, WITHIN THE TIME FRAMES LISTED, FOR THE PROJECT STRUCTURES, IN TABLE 1 OF THE CONTRACT.

V. PROGRESS REPORTING (PRELIMINARY AND FINAL DESIGN ONLY)

A. Upon receipt of the Notice to Proceed, the Consultant shall prepare and submit for approval by the Commissioner a detailed, initial Progress Report (Bar Charts, written text, listing of each contract drawing showing the estimated percent of completion of each drawing) for the services required in connection with the project bridge(s). A Progress Report shall be submitted at the Start-up Meeting. The Schedule Bar Chart shall include, but not be limited to, the following: projected dates for completion of In-Depth Inspection and Survey, Concrete Coring and/or Steel Sampling, and Soil Investigation Programs; projected completion/target dates for submission of the Draft Bridge Reconstruction Project Report, Final Bridge Reconstruction Project Report, Draft Preliminary Plans, and Approved Preliminary Plans; projected completion/target dates for submission of the Advanced Plans; projected ULURP completion date; projected submission dates of Final Contract Bid Documents; a detailed listing of all tasks, sub-tasks and milestones required in connection with the Project; the time necessary to complete the various tasks, sub-tasks and milestones; the interrelationship of milestones; the interrelationship and dependency of the various elements of the Bar Chart; and the Project's critical path. All contract times and extensions of time shall be indicated.

B. For the purpose of the Schedule Bar Chart, the date of Notice to Proceed shall be established as the "Anniversary Date".

C. On a monthly "Anniversary Date" basis, the Consultant shall analyze the Project's progress as it relates to the approved Schedule Bar Chart. Additionally, the Consultant shall file with the Commissioner a report on this analysis, which shall include, but not be limited to, the following: actual time used for each element of the work plan network; changes in targeted completion dates for the various elements of the network; the reasons for any delays in the targeted completion dates; the need and justification for any extensions of time; a narrative description of the work performed during the reporting period; a narrative description of the work projected for the next reporting period; a list of contract drawings showing the estimated percent of completion of each drawing; and a revised work plan network which reflects the Project's current status at the end of the instant reporting period.

D. Progress Reports and documentation shall be submitted to the Commissioner, for approval, no later than two (2) working days following the close of the reporting period.

E. Recoupment of Cost of Design Errors and Omissions

In each instance in which a change order is made necessary because of a consultant design error or omission, DOT shall take appropriate steps to recover from the consultant the costs of the change order to the City in excess of what the work would have cost in the absence of such error or omission.

Neither the Consultant nor any of its Sub-Consultants will perform any legal services under this agreement without the prior written approval of the Department and the Law Department.

I. GENERAL REQUIREMENTS

- A. The intent of this Contract is to provide for a coordinated Preliminary Design(s) and Final Design(s) for preparation of Contract Documents to be used in the public bidding of the related project bridge(s) and to provide for Construction Support Services. Pertinent data which describes the bridge(s), and which states various parameters pertaining to the work to be done at each bridge site, is listed in the attached Project Bridge Data Sheet(s).*

It is the purpose of this Contract to present a coordinated effort for either the total rehabilitation, or reconstruction or replacement of the project bridge(s) and to define and outline the major issues and proposed solutions to the issues involved.

* **Note:** It is the Consultant's responsibility to verify all information provided herein, such as year built, type of superstructure, etc. In particular, please note that the year built provided herein does not include major or minor rehabilitation.

B. ENGINEERING SERVICES FOR THIS CONTRACT SHALL CONSIST OF THE FOLLOWING:

1. PRELIMINARY DESIGN

- a) The performance of an In-Depth Inspection including field survey for the superstructure and the substructure.
- b) The performance of a Soil Investigation Program / Geotechnical Foundation Report.
- c) The preparation of a Bridge Deck Evaluation Report and where required by the Project Bridge Data Sheets(s), the preparation and supervision of a Concrete Coring Program(s).
- d) The preparation of Bridge Load Ratings.
- e) The performance of Seismic Assessment.
- f) The preparation of an accident report analyzing the past three years of accident data collected from the New York City Police Department at Police Plaza. Report shall include identification of all accidents attributable to geometric features of the bridge and approaches.
- g) The preparation of a Bridge Reconstruction Project Report (BRPR) including all results and recommendations of the In-Depth Inspection, Bridge Deck Evaluation Report, Bridge Load Rating, Seismic Assessment and Investigation of Design Alternatives.
- h) The preparation of Preliminary Plans, including a detailed Right-of-Way map, for the approved design alternative.
- i) Project coordination, as an ongoing task during the performance of all other tasks and services.

At the completion of Preliminary Design, the NYCDOT will decide whether to continue to Final Design under this Contract or have the tasks associated with Final Design completed under a new Consultant Design Contract. In no event shall the firm proceed to Final Design until written authorization is received from the NYCDOT.

2. FINAL DESIGN

- a) The preparation of the Advanced Plans Submission. This submission shall consist of 90% complete plans, 90% complete specification book(s), 90% complete special specifications, and 90% complete itemized estimate(s) for each of the project bridge(s) called for in this Contract. In each instance, 90% complete means equal to 90% of a Final Contract Bid Document submission.
- b) The preparation of Final Contract Bid Documents, for each of the project bridge(s) called for in this Contract. This requires the submission for approval of Final Plan Submission(s) and PS&E submission(s), and the submission of Final Contract Bid Documents for use in the construction contract bidding process.
- c) The performance of a Bid Analysis of the bids received on the project bridge(s) resulting from this contract. Scanning and indexing services and the delivery of Final Contract Document Records are also part of this task (see Specifications for the Preparation of Record Drawings & Electronic Media for submission of Contract Drawings).
- d) Project coordination, as an ongoing task during the performance of all other tasks and services.

At the completion of Final Design, the NYCDOT will decide whether to continue to Construction Support Services under this Contract or have the tasks associated with Construction Support Services completed under a new Consultant Construction Support Contract. In no event shall the Consultant proceed to Construction Support Services until written authorization is received from the NYCDOT.

3. CONSTRUCTION SUPPORT SERVICES

- a) Shop Drawing Review Services, consisting of review and approval of shop and working drawings, and review and approval of Contractor's construction procedures/practices.
- b) Specialized Engineering Services consisting of the performance of any redesign resulting from unanticipated field conditions uncovered during construction.
- c) Attend liaison, process, coordination and other such meetings when required by the Department.
- d) The Consultant shall analyze, review and provide recommendations on all changes in materials, design or proposed work, particularly as they apply to "Value Engineering" that is proposed by the Contractor.

The Consultant specifically agrees that:

- (e) its subcontractor's agents or employees shall possess the experience, knowledge, and character necessary to qualify them individually for the particular duties they perform;
- (f) the firm shall not subcontract more than 49% of the contract work;
- (g) the firm will comply with the provisions of the New York Labor Law and all State Laws and Federal and local statutes, ordinances and regulations that are applicable to the performance of the Agreement and;

(h) the firm will secure all licenses and permits, if any, that are necessary for the performance of its duties under this Contract.

In fulfillment of provision (e) above, the Consultant shall submit a resume for each employee prior to assignment to the Contract, for review and approval by the Agency. Employees shall be Professional Engineers licensed in the State of New York if their ASCE/NICET grade, as shown in Table I, requires that they be Professional Engineers. No substitutions for approved employees shall be permitted until the resume of the replacement employee is approved.

All technical data in regard to the Contract existing in the Office of the Commissioner or existing in the offices of the Consultant shall be made available to the other party to this Agreement without expense to such other party, or additional compensation to the Consultant.

All office diaries, engineers' and inspectors' diaries, daily records of labor, materials and equipment used, notes, designs, reports including laboratory and plant inspection reports, drawings, tracings, estimates and specifications prepared and furnished by the Consultant shall become the property of the City upon their approval and acceptance in writing by the Commissioner or upon the termination of the Consultant's services, pursuant to Appendix "A" of this Agreement. The Consultant shall deliver to the Commissioner all said diaries, daily records of labor, material and equipment used, notes, designs, reports, drawings, tracings, estimates and specifications, which there-after the City may utilize in whole or in part or in modified form and in such manner of for such purposes or as many times as it may deem advisable, without employment of or additional compensation to the Consultant.



**PROCEDURE
FOR
BRIDGE RECONSTRUCTION
PROJECT REPORT**

UPDATED FEBRUARY 2010

**ENGINEERING REVIEW GROUP
BUREAU OF ENGINEERING REVIEW & SUPPORT
DIVISION OF BRIDGES**

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PROCEDURE
FOR
BRIDGE RECONSTRUCTION PROJECT REPORT

This document describes the format to be followed and the information that shall be included in the Bridge Reconstruction Project Report (BRPR).

1. PURPOSE:

This procedure enumerates the requirements for producing a set of Preliminary Plans that will be used as a basis for developing Final Contract Bid Documents for the rehabilitation / replacement of bridges. It is expected that the rehabilitation / replacement, in conjunction with maintenance, will extend the useful life of the structure by a minimum of thirty years.

All new and replacement bridges shall be designed using Load and Resistance Factor Design (LRFD) method for AASHTO HL-93 load. For rehabilitation of existing bridges it is optional to use LRFD method or ASD/LFD using AASHTO HS-20 Load (minimum), at the discretion of the Engineer.

The United States Customary System Units of measurement shall be used for all contractual work, including the work pertaining to public and private agencies (utilities, railroad facilities, etc.).

There shall be an individual Bridge Reconstruction Project Report and set of Preliminary Plans for each bridge, which is to be reconstructed (rehabilitated or replaced), under the Engineer's Contract.

2. BRIDGE PLANS AND REPORTS:

Prior to the submittal of the Engineer's proposal, the Engineer shall review the following:

- A) The latest Bridge Inspection and Condition Report and Bridge Inventory. If not available from the City, the Engineer shall obtain them from the NYSDOT.
- B) The plans of the existing bridge. Note: Where plans are not available, or the available existing plans are inadequate, the Engineer shall take field measurements of the existing structure to the extent necessary, in order to perform load ratings (inventory and operating) and prepare the BRPR (i.e. existing framing plans, existing cross sections and elevations, etc.) and the Preliminary Plans.

3. BRIDGE RECONSTRUCTION PROJECT REPORT

The Engineer shall prepare a "Bridge Reconstruction Project Report", in accordance with the format and requirements specified in Appendix A, which will include the following:

- 3.1 Traffic Study
- 3.2 Work Zone Traffic Control
- 3.3 Planning Statement - Determination of Permits
- 3.4 Hydraulic Report
- 3.5 Soil Investigation Program / Geotechnical Foundation Report
- 3.6 Foundation Design Requirements
- 3.7 Statement of Hazardous Material
- 3.8 Substandard Features
- 3.9 In-Depth Inspection Report - Under-deck Inspection
- 3.10 Load Ratings
- 3.11 Bridge Deck Evaluation Report
- 3.12 Seismic Assessment
- 3.13 Utilities
- 3.14 Aesthetics
- 3.15 Plans and Sections
- 3.16 Land Use Assessment
- 3.17 Recommendations, Estimates and Conclusions
- 3.18 Original Color Photos
- 3.19 Digital Video Disc (DVD)

3.1 TRAFFIC STUDY

The Engineer shall provide the highway classification, current vehicular and pedestrian traffic counts and turning movements, projected traffic (20 years, or as specified), design-speed and legal speed (indicate if posted), Specify land use (residential, commercial etc) in the vicinity of the bridge, Indicate all hospitals, schools, police and fire departments within the vicinity of the bridge. Attach a separate plan identifying all these facilities, AM/PM peak periods and traffic volumes, average Daily Traffic as well as one-way (and two way) design hourly volume (DHV), and Accident Report.

The following information shall be provided:

1. TRAFFIC COUNTS

A. VEHICULAR TRAFFIC COUNTS:

Provide a minimum of **seven** consecutive days of 24-hour vehicular counts, Monday thru Friday.

B. PEDESTRIAN TRAFFIC COUNTS:

Provide a minimum of **seven** consecutive days of pedestrian traffic counts, **Sunday thru Saturday**, from 7 a.m. to 10 a.m. and from 4 p.m. to 7 p.m. Pedestrian traffic counts are required for all sidewalks, stairways and pedestrian ramps. If the bridge is located near school, provide additional hours of pedestrian traffic counts to be done prior to school start and school dismissed.

The Engineer shall determine the adequacy of the width of sidewalks on the bridge based on the pedestrian traffic counts.

C. BICYCLE TRAFFIC COUNTS:

Provide a minimum of **seven** consecutive days of bicycle traffic counts, **Sunday thru Saturday**, from 7 a.m. to 10 a.m. and from 4 p.m. to 7 p.m.

D. TURNING MOVEMENT COUNTS:

Provide a minimum of **seven** days of turning movement counts, **Sunday thru Saturday**, from 7 a.m. to 10 a.m. and 4 p.m. to 7 p.m. Prepare a plan showing all turning movements.

2. TYPE OF TRAFFIC:

Specify traffic composition above and below the span, as applicable. Perform same traffic study for lower roadway. Traffic composition shall be expressed as a percentage of trucks, automobiles and buses. The bridge is above the rail road; submit train schedule.

3. Projected future traffic based on a “No-built” scenario. Future traffic shall be projected based on annual traffic growth rate provided to the Engineer by the NYCDOT Office of Traffic Planning. Future traffic shall be estimated for a 20-year time span.
4. Level of service for both present and future vehicular and pedestrian traffic. Explain methodology used to arrive at the LOS for both present and future traffic. This includes both method of analysis and software used to calculate the LOS.

Provide specific recommendations to improve both present and future LOS. This may include highway/bridge widening, use of HOV lanes, use of Intelligent Transportation Systems (ITS), traffic controls, and upgrade of any substandard geometric features or any other measures deemed necessary to improve the Level of Service.

3.1.1 ACCIDENT REPORT

The Engineer's Accident Report shall include three (3) years of accident data. The Engineer shall research the accident data from the City's Police Department.

The Engineer shall provide a list of all accidents with descriptions and attach a plan showing all accident locations.

The Engineer shall evaluate the accident data and determine if the accidents are as a result of any bridge/ highway features, geometric deficiencies; traffic patterns, or other related factors including human factor. The Engineer shall indicate whether or not any repetitive accident patterns were occurred.

The Engineer shall provide his/her conclusions and provide specific recommendations on how to reduce the number of accidents in the vicinity of the bridge.

In addition to the accident data from the Police Department, the Engineer shall contact the NYSDOT Traffic Engineering and Safety Division, and verify all reported accidents have been obtained from the Police Department's files and incorporated into the accident report.

3.1.2 BICYCLE FACILITIES REPORT

The Engineer shall provide bicycle access to the existing bridges (and approaches) in compliance with AASHTO, and NYSDOT requirements.

The Engineer shall contact to Department's Bicycle Coordinator to determine if the project is located on a NYCDOT designated bicycle path, lane or route.

The Engineer shall evaluate the project site for bicycle facility improvements, as per AASHTO guidelines, regardless of whether or not the project location is on a NYCDOT designated bicycle facility.

The Engineer shall present his findings, conclusions and provide specific recommendations on this particular issue.

3.2 WORK ZONE TRAFFIC CONTROL

The Engineer shall investigate, at a minimum, the following three plans for Work Zone Traffic Control:

- a. Full bridge closure to vehicular (and pedestrian) traffic.
- b. Least Impact to the Traveling Public (vehicles and pedestrians) - The considerations/issues involved may be numerous: various staging plans; off peak work hours (night time, weekends); effects on quality of reconstructed bridge; etc. This may involve the investigation (and presentation) of more than one alternative.
- c. Least Impact on the Community - The community shall include the areas immediately adjacent to the bridge, and may also include those communities impacted by detouring traffic and / or other adverse consequences of the construction.

The Engineer shall present all plans, as well as his recommendation, in Section 8.0, Appendix-A of the BRPR. Each plan shall be described and discussed in terms of its advantages and disadvantages. A preliminary cost estimate, construction duration and staging shall be included for each plan.

The Engineer's proposed plans for Work Zone Traffic Control: Prior to the submission of the draft BRPR, the Engineer shall discuss his proposed plans with the Division of Bridges, and the Office of Construction Mitigation and Coordination (OCMC). After the submission of the Preliminary Plans, and meetings with the Community Boards and other affected parties, OCMC will issue stipulations and approvals for Work Zone Traffic Control.

The Engineer shall prepare detailed plans for Work Zone Traffic Control. Plans and sections of each staging of the Work Zone Traffic Control shall be provided. Plans of the Detour(s) shall also be provided, as required. All vehicular and pedestrian detour routes shall be evaluated and reported on by the Engineer in terms of safety, travel time, distance, etc. Proposed Work Zone Traffic Control signage shall not be required as part of the BRPR (or Preliminary Plans).

3.3 PLANNING STATEMENT

The Engineer shall obtain statements from the following: NYSDOT (Regional Director); NYCDOT Division of Planning and Traffic Operation; NYCDOT Division of Bridges; NYCDOT Office of Land Use, Director of Community Boards, Borough President, City Planning, Arterial Maintenance, NYCDOT Community Affairs, Capital Roadway Planning and Development, Surface Transit Operations, Bus Service Companies, and

NYC Parks. The Engineer shall contact NYCT, MTA, AMTRAK, METRONORTH, etc., if their property is nearby.

The planning statement request to the NYSDOT should request information on all current and proposed State bridge and highway projects within the vicinity of the subject City bridge; construction year of the project; current design phase of the project; and approximate project limits; including any State projects which have Work Zone Traffic Control plans that involve the subject City bridge project delineated.

The planning statement requests to the NYCDOT Division of Planning and Operation should request similar information on their respective highway projects. Planning statements from the State and City about proposed improvements

Statements from all utility companies and affected railroads, private and / or public, shall also be obtained with the nature and extent of their participation in the project.

The Engineer shall be responsible to determine which parties are to be requested for the Planning statements.

3.3.1 DETERMINATION OF PERMITS

The Engineer shall make a determination of permits required from all applicable agencies including, but not limited to the following: OCMC; DEC; Coast Guard; Department of Park and Recreation; Corps of Engineers; Waterfront Revitalization Planning; Landmarks Commission; Art Commission, and estimate the time needed for obtaining the permits/approval required. The statements concerning the required permits and the estimated time required for obtaining permits shall be included in the BRPR. If such permits are determined not to be required, a statement shall be made. The planning statement for NYCDOT Bridges will be required from the Engineer and submit in the report.

The Engineer shall start the required permit processes in Preliminary Design.

3.4 HYDRAULIC REPORT (on waterway/stream bridges and culverts)

The Engineer shall evaluate the hydraulic adequacy of the structure; and identify its susceptibility to flooding and its vulnerability to scour, ice and debris. The Engineer shall provide remedial action plans to correct any hydraulic deficiencies and/or vulnerability reduction measures which can be incorporated into the rehabilitation project. The evaluation shall also assess the effectiveness of proposed countermeasures and comment if rehabilitation is practical from a hydraulic standpoint, or whether a replacement project should be considered. If replacement is recommended, the Engineer shall identify hydraulic requirements for the proposed type and size of the structure. This assessment is included in the BRPR stage due to the potentially dramatic impact of hydraulic considerations to a project's scope and cost. In addition to that the designer shall comply with the requirements of Hydraulic Section 3.4 of NYSDOT Bridge Manual.

3.5 SOILS INVESTIGATION PROGRAM / GEOTECHNICAL FOUNDATION REPORT

The report shall include but not be limited to the following information:

- Description of structures.
- Provide boring logs with unified soil classifications, soil profile(s), laboratory and field test results, and ground water information.
- Provide soil Class according to latest NYCDOT Seismic Design Criteria.
- Analysis and interpretation of subsurface data.
- Static and dynamic geotechnical parameters required for foundation design.
- Foundation stiffness matrices and point of fixity.
- For liquefaction potential of subsurface soil provide remedial measures and cost estimates, if required. For example for soil Class F, Site Specific analysis shall be performed.
- Slope stability and lateral spread under static and dynamic load.
- Field tests and instrumentation required during and after construction.
- Discussion of soil-structure interaction and adequacy of existing foundation under static and dynamic load.
- Foundation recommendations for all proposed reconstruction or replacement schemes in BRPR.
- Discussion of anticipated construction problems, proposed remedial action and solutions.

3.6 FOUNDATION DESIGN REQUIREMENTS

The bridge shall be inspected for foundation deficiencies: settlement, tilting, etc. If none are found, a statement to that effect shall be made. If some are found, plans and alternatives to repair these deficiencies during the reconstruction shall be provided.

3.7 STATEMENT OF HAZARDOUS MATERIALS

If hazardous materials (asbestos, lead paint, contaminated soil, etc.) exist on City R.O.W., it is critical to identify them in the design phase. Hazardous materials regulated under federal and state laws include substances that are discarded and / or polluted in air, water and soil, and pose a potential hazard to public health.

A review of as-built (or existing) plans should be conducted to obtain information on asbestos (or other hazardous) contaminated materials. Particular attention should be directed to the composition of any conduits, any structure that has a heating system, roof, siding or modification of lighting control cabinets, and any abutment back-wall / approach slab work. In addition, utility plates should be reviewed for additional conduits installed not appearing on the as-built plans.

The Engineer shall provide a complete statement showing that all hazardous materials were accounted for, both in the field and on the as-built drawings and on utility plates, and indicated what the findings were. If any was identified, the Engineer shall indicate the requirements for their protection from disturbance or the requirements for their removal. The Engineer shall indicate (and quantify) whether or not the hazardous materials pose a public health risk, in their present state as well as during construction.

The Engineer shall include but not limited to the following hazardous materials scope of work into the contract:

3.7.1 LEAD PAINT AND COATINGS

All bridge structures that will be impacted by rehabilitation, reconstruction or demolition must be inspected for the presence of coatings. These coatings may contain lead, in addition to other metals such as chromium, arsenic, cadmium, silver, selenium and barium.

A representative number of coating samples must be collected from all types of surfaces. These surfaces include, but are not limited to, steel members, roadway gratings, and handrails, steel encased in concrete, concrete surfaces and other systems.

A sufficient number of samples must be collected to accurately determine if the presence of lead or other metals is present throughout the coatings on the structure.

All samples must be collected and tested in accordance with standards established by federal, state or local agencies. A licensed and accredited laboratory must analyze samples. Sample results must be reported in a percentage by weight basis or weight by area basis.

Quantities estimate for lead paint or other coatings must be provided to the NYCDOT.

3.7.2 SOIL CONTAMINATION

All bridge structures that will require excavation of soils (i.e. replacement of abutments) must undergo investigation to determine if contaminated soil is present.

A Phase I Environmental Site Assessment must be performed during the preparation of the BRPR in order to determine if potential soil contamination is present within the areas affected by the project. The investigation is performed with respect to contaminants

identified within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and for petroleum products. A Phase I consists of a historical and regulatory review of the project site and surrounding properties to determine if records indicate the potential presence of contamination. A visual inspection of the site and observation of surrounding properties is also performed. The Phase I assessment must be performed in accordance with ASTM guideline E1527-00.

The findings of the Phase I assessment will determine the applicability of performing a Phase II investigation during the preparation of the final BRPR. The Phase II investigation consists of the collection and analysis of soil and groundwater samples from the project site. These soil and groundwater samples will be collected based on a sampling strategy developed for the project site. Soil and ground water samples may be collected utilizing various methodologies, including but not limited to, hollow stem augers, hydraulic push samplers and hand augers. Prior to sampling of soil and groundwater all utilities must be marked out at the site and the sampling adjusted to account for the presence of utilities and other subsurface obstructions. All drill cuttings and other waste generated at the site must be placed in Type 1A steel 55-gallon drums and stored on-site until disposed of in accordance with applicable regulations. If required, monitoring wells must be installed to determine if groundwater is contaminated. These monitoring wells must be installed and developed in accordance with standard practice such as ASTM guidelines.

A licensed and accredited laboratory will perform all sample analysis. This laboratory must be capable of performing the required analysis depending on the contamination expected to be present at the site. A report detailing the sampling activities, boring logs, subsurface lithology, sample analysis results and presence of contamination must be prepared and submitted to NYCDOT.

3.7.3 UNDERGROUND STORAGE TANKS

Depending on the scope of the bridge project, underground storage tanks (UST) containing petroleum products or other material may be present on site. The results of the Phase I site assessment will identify potential location of UST's and whether the UST will be impacted by the proposed project.

If a UST is present the UST should undergo pressure testing to determine the integrity of the system. A UST that fails an integrity test may have leaked petroleum products or other contents into the soil or groundwater at the site.

A Phase II investigation must be performed to determine the extent of contamination from the leaking UST. Soil and ground water samples may be collected utilizing various methodologies, including but not limited to, hollow stem augers, hydraulic push samplers and hand augers. Prior to sampling of soil and groundwater all utilities must be marked out at the site and the sampling adjusted to account for the presence of utilities and other subsurface obstructions. All drill cuttings and other waste generated at the site must be

placed in Type 1A steel 55-gallon drums and stored on-site until disposed off in accordance with applicable regulations. If required, monitoring wells may be installed to determine if groundwater is contaminated. These monitoring wells must be installed and developed in accordance with standard practice such as ASTM guidelines.

A licensed and accredited laboratory will perform all sample analysis. This laboratory must be capable of performing the required analysis depending on the contamination expected to be present at the site. A report detailing the sampling activities, boring logs, groundwater levels, subsurface lithology, sample analysis results and presence of contamination must be prepared and submitted to NYCDOT.

3.7.4 ASBESTOS-CONTAINING MATERIALS

Asbestos-containing materials may be present in various types of materials, and used for various functions. These include, but are not limited to, caulking, window glazing, electrical insulation, electrical panels, roofing materials, tar, floor tiles, pipe insulation, cement products and paint.

All suspect asbestos-containing materials must be collected by a NYSDOL certified asbestos investigator and NYCDEP licensed asbestos investigator. A licensed and accredited laboratory must analyze all samples. Copies of all licenses and certifications must be provided to the NYCDOT.

All suspect asbestos-containing materials must be sampled in sufficient quantities as required by the EPA, NYS and NYC regulations. Samples must be analyzed by Polarized Light Microscopy with Dispersion Staining (PLM/DS). All samples found to contain less than 10% asbestos must be point-counted. Non-organically bound materials must be analyzed by Transmission Electron Microscopy (TEM).

Quantities of all asbestos-containing materials must be provided to the NYCDOT upon completion of the survey and analysis of samples.

3.8 SUBSTANDARD FEATURES

All substandard features on the structure, on the approaches, and under the structure (existing and proposed) must be documented on the Substandard Features Check List (see Appendix B). The bridge and approach roadway widths, profile, stopping sight distance (existing and proposed) are especially important factors and must be thoroughly analyzed.

All substandard features must be eliminated if possible. A detailed cost estimate shall be prepared for elimination of each substandard feature. If a substandard feature is to be retained, or merely improved, a separate statement fully detailing the justification for retaining (or merely improving) the substandard feature is required. If R.O.W. taking cost, or other consideration, makes elimination of these features impractical, the Engineer

shall thoroughly document these reasons in the BRPR. The Engineer shall be responsible for preparing whatever plans and estimates that may be required.

This documentation shall include the accident data for the last three (3) years (tied down to the structure location) with an analysis of the data as it pertains to the retention of the substandard features.

The criteria for substandard features will be those standards contained in the latest NYSDOT and AASHTO publications.

The Substandard Features Checklist shall indicate what the standard feature should be (and the appropriate reference from which it was obtained), what the existing feature consists of, and what the specific proposed action is.

3.9 IN DEPTH INSPECTION REPORT AND FIELD SURVEY

The Engineer shall perform an in-depth field inspection in accordance with the NYSDOT Specification for In-Depth Bridge Inspection, including all current updates, revisions and technical advisories, and the current AASHTO manual for Maintenance and Inspection of Bridges.

Whenever the Engineer must inspect underdecks covered by protective materials / shielding, such as netting or planking, the protective materials / shielding shall be removed as required in order to properly inspect all components (connections, underdeck concrete, etc.). The Engineer shall locate and document (on a plan) materials retained by the protective materials / shielding. After completion of the inspection, the Engineer shall restore protective materials / shielding to its original location.

In addition, the Engineer will perform a field survey in accordance with Appendix F, Field Survey Requirements.

For structures having concrete encased members, the Engineer shall perform a concrete encasement removal program. The program shall be submitted to the Department for prior approval. The program submittal shall include a location plan (framing) and sections, and methods of removal. The Engineer shall be responsible to patch the uncovered areas after inspection is finalized in connection with concrete encasement removals.

3.9.1 UNDER DECK INSPECTION

The Engineer shall be required to inspect and perform sounding for all concrete within the underside of each structure; this includes but is not limited to concrete decks, concrete encasement for structural steel members, reinforced concrete structural members, concrete fascia, jack arches (including brick), etc. By means of his inspection, the Engineer shall locate all hollow, delaminated, loose, and spalled areas.

The method of the Engineer's inspection shall include, but not be limited to the following:

The Engineer shall perform a hands-on inspection including sounding all concrete areas, regardless of their apparent condition.

During the Engineer's inspection, all underdeck areas that present the possibility of falling concrete shall be identified. These areas shall include, but not be limited to hollow, delaminated, loose, and spalled areas. The Engineer shall outline the subject deficient areas with spray paint, completely and clearly defining the subject areas.

If the Engineer determines that removal of concrete is required, the Engineer shall immediately notify the NYCDOT Director of Flags and the NYCDOT Project Manager, and the Engineer shall make recommendations. The Engineer shall perform the design for the shoring, shielding or other related items as required.

Under-water Inspection is required for waterway/stream bridges; and culverts, as applicable.

The Engineer shall include the latest NYSDOT and/ or NYCDOT Underwater Inspection report in the BRPR, as well as any Underwater Inspections performed under this contract together with his evaluation/ recommendations.

3.9.2 FLAGGED CONDITIONS

If, during the course of the inspection, any unsafe and/ or flagged condition is found, which in the opinion of the Engineer, requires action (repairs, shoring, etc.), the NYCDOT Director of Flags and NYCDOT Project Manager shall be immediately informed (by telephone) followed up by written notification. For flagged conditions, the Engineer shall define the condition as per the latest NYSDOT flagging procedures. Written notification shall include drawings showing the location of the conditions and the recommended repair and / or shoring details and load ratings of the affected component(s).

3.10 LOAD RATINGS

The Engineer shall perform Level 1 load rating of all members of the structure (including sidewalks and piers) in accordance with the current NYSDOT Engineering Instructions for load ratings and the latest edition of AASHTO Manual for Bridge Evaluation.

The Engineer shall not rely or obtain information regarding member sizes and ratings from previous load rating calculations performed in the past by other parties.

Load rating will be computed by LFD or ASD method for bridge rehabilitation projects. All members and connections shall be rated initially by the Allowable Stress method (working stress). Each and every member that does not meet the minimum required inventory rating for the vehicular type should be re-rated using the Load Factor method. Each member shall be rated for both As-Built and As-Inspected conditions. For each of these conditions, both an Inventory and Operating Rating of the member shall be made,

using each of the following types of loadings in all cases: HS-20, H-20, type 3, type 3-S2, type 3-3, and all in Tons. All HS and H ratings shall include both the equivalent H and HS truck and the total load in Tons.

Load rating for all new and replacement bridges will also be computed by LFD and ASD method, and also by the Load and Resistance Factor Rating (LRFR) method. Load ratings for both methods shall be shown. LRFR rating shall be shown at the Inventory and Operating levels as rating factor of AASHTO HL-93 Load. Pedestrian loading shall be used where applicable. See Appendix C for additional instructions regarding ratings.

The following are guideline requirements to the Engineer and indicate what is required, at a minimum; various structural spans and/or elements (i.e., stringers, floor-beams, columns, etc.) shall be addressed in a clear and orderly manner:

Discussion of the analysis which includes:

- Allowable inventory and operating stresses (material grade and type) used in the ratings; the source of the allowable stresses (i.e., original drawings; Condition Evaluation Manual; etc.).
- Analysis method used.
- Computer programs used.
- Assumptions used in the analysis (for example, use of composite action).

Discussion of results which includes:

- A summary of controlling members and their ratings (as-built and as-inspected; inventory and operating); for low rated members specify whether shear or moment governed. Engineer shall prepare Level 1 Load Rating summary form as attached sheets.
- A summary of the results in a tabulated form as shown in “Load Rating Data As Built” and “Load Rating – As Inspected” as per attached load-rating data Table. A framing plan shall be provided with all members and spans identified. The framing plan shall show all lengths of members, stringer spacing, floor-beam spacing, etc.

Conclusions which includes:

- Statements on: connections; the structure's redundancy; fracture critical members; etc.

Recommendations which includes:

- Provide recommendations on what interim action is required for all low rated members (or statement justifying why no action is required). In addition:
- A framing plan (all members rating less than the design truck for Inventory level shall be identified), provide member sizes.

- A diagram of the above referenced Legal and Design trucks.
- Load rating tables (see Appendix C for presentation format).
- Other pertinent information relating to the particular project.

The Engineer shall determine the existing (current) dead loads on the structure. The existing (current) dead loads shall be used in both the as- Built and as -Inspected ratings.

The Engineer shall notify the NYCDOT immediately (in advance of the draft BRPR) if any structural flags were warranted for component(s) which are rated very low; written notification shall include the Engineer's recommendations and appropriate justifications. The posting of the bridge as per NYSDOT EI 05-034 and shall establish weight limit for the bridge.

LEVEL 1 LOAD RATING CONTINUATION SHEET

Region/County _____ BIN _____

Feature(s) Carried and Crossed _____

Date of field inspection upon which level 1 rating is based _____

OVERALL BRIDGE RATINGS (BASED ON LOWEST RATED ELEMENTS):

Total number of rating units _____

	H20	INVENTORY	H20	OPERATING	HS20	INVENTORY	HS20	OPERATING
Rating	<u>H20</u>	<u>(TON)</u>	<u>H20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>
Lowest rated element	_____							
Analysis method	_____ Comments _____							

Individual Rating Unit Level 1 Values:

Rating unit Span(s) _____

Main member ratings

	H20	INVENTORY	H20	OPERATING	HS20	INVENTORY	HS20	OPERATING
Rating	<u>H20</u>	<u>(TON)</u>	<u>H20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>
Lowest rated element	_____							
Analysis method	_____ Comments _____							

Floor beam ratings

	H20	INVENTORY	H20	OPERATING	HS20	INVENTORY	HS20	OPERATING
Rating	<u>H20</u>	<u>(TON)</u>	<u>H20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>
Lowest rated element	_____							
Analysis method	_____ Comments _____							

Stringer ratings

	H20	INVENTORY	H20	OPERATING	HS20	INVENTORY	HS20	OPERATING
Rating	<u>H20</u>	<u>(TON)</u>	<u>H20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>	<u>HS20</u>	<u>(TON)</u>
Lowest rated element	_____							
Analysis method	_____ Comments _____							

Certified by _____ Date _____

Quality Control Engineer Signature _____ Date _____

Agency or Company represented by certifier _____

Notes:

- If connection ratings governs, record them under stringer - floorbeam connections, floorbeam ratings for floorbeam – main member connections, etc.
- When Level 1 results indicate the need for load posting or other corrective action, the NYSDOT Regional Structures Engineer and NYCDOT Engineering Review shall be notified immediately.
- Load ratings should be filed in the regional office within 60 days of completion of calculations.
- Bridge shall be flagged based on level 1 results in accordance with current NYSDOT flagging procedures.
- Bridge load posting closure etc., determinations shall be made as results are being produced.

LEVEL 1 LOAD RATING CONTINUATION SHEET

SHEET ___ OF ___

Region/County _____

BIN _____

Date of field inspection upon which level 1 rating is based _____

Individual Rating Unit Level 1 Values:

Rating unit Span(s) _____

Main member ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Floor beam ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Stringer ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Individual Rating Unit Level 1 Values:

Rating unit Span(s) _____

Main member ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Floor beam ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Stringer ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

LEVEL 1 LOAD RATING CONTINUATION SHEET

SHEET ____ OF ____

Region/County _____

BIN _____

Date of field inspection upon which level 1 rating is based _____

Individual Rating Unit Level 1 Values:

Rating unit Span(s) _____

Main member ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Floor beam ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Stringer ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Individual Rating Unit Level 1 Values:

Rating unit Span(s) _____

Main member ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Floor beam ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

Stringer ratings

H20 INVENTORY H20 OPERATING HS20 INVENTORY HS20 OPERATING

Rating H20 (TON) H20 (TON) HS20 (TON) HS20 (TON)

Lowest rated element _____

Analysis method _____ Comments _____

3.11 BRIDGE DECK EVALUATION REPORT

The Engineer shall perform a deck evaluation in accordance with the aforementioned In- Depth Inspection requirements, the NYSDOT Bridge Deck Evaluation Procedure Manual, and as noted in Appendix A.

3.12 SEISMIC ASSESSMENTS

The Engineer shall evaluate / analyze the bridges in compliance with the latest New York State Department of Transportation (NYSDOT) Seismic Vulnerability Manual and Seismic Design Criteria Guidelines and Standards of: New York City Department of Transportation (NYCDOT), New York State Department of Transportation (NYSDOT), American Association of State Highway Transportation Officials (AASHTO) and Federal Highway Administration (FHWA). The following seismic analysis shall be performed based on the importance category of the bridges: **The seismic assessment will be performed only for the alternative used for rehabilitation of bridge and used to develop preliminary plans.** The seismic assessment shall be based on the geotechnical report and engineer shall not perform any analysis with assumed geotechnical data.

In draft BRPR, there should be a statement to the effect that the proposed alternative for reconstruction / rehabilitation can be designed to sustain seismic load during seismic event. The seismic analysis shall be performed as per the latest NYCDOT Seismic Design Criteria Guidelines.

In the final BRPR the following items should be included for the design of selected bridge structure alternate.

3.12.1 CRITICAL BRIDGES

The evaluation / analysis shall be included but not limited to:

- a) Time history of rock motions per latest NYCDOT Seismic Design Criteria Guidelines.
- b) All the three (3) directions ground motions shall be considered
- c) Performance Criteria and Seismic Hazard Level for design and evaluation of bridges per latest NYCDOT Seismic Design Criteria Guidelines.
- d) Multimode Spectral Analysis.
- e) Site specific Soil Effects.
- f) Soil-Structure Interaction.

3.12.2 ESSENTIAL OR OTHERS BRIDGES

The evaluation / analysis shall be included but not limited to:

- a) All the three (3) directions of ground motions shall be considered.
- b) Performance Criteria and Seismic Hazard Level for design and evaluation of all bridges excluding single span bridges and tunnel as per latest NYC DOT Seismic Design Criteria Guidelines.
- c) Soil acceleration response spectra per NYCDOT Seismic Design Criteria Guidelines except soil Class F.
- d) For soil Class F, if present site-specific analyses shall be performed.
- e) Multi-Mode spectral analysis for multi-span bridges of any type.

3.12.3 EXISTING BRIDGES

If the alternative under consideration is for the major rehabilitation / replacement requires retention of existing components, Engineer shall provide alternatives to retrofit the existing components / members to meet the seismic requirements. The analysis shall be governed by the importance category of the bridges (i.e., Critical, Essential, Others) per NYCDOT Seismic Design Criteria Guidelines including but not limited to the following features:

- a) All the three (3) directions of ground motions shall be considered.
- b) Calculating the capacity (C) / Demand (D) ratios for each of the potential modes of failure for all the critical components as specified in to establish the vulnerability of bridges during seismic event. In general, the components for which seismic capacity/demand ratios should be calculated for the following items: expansion joints and bearings, support length, deck joints, and abutments.
- c) Pushover analysis for each bent / pier to establish their ultimate capacities.
- d) Provide seismic protective systems to reduce seismic demand and eliminate all vulnerabilities identified, if feasible.
- e) Strength structural details, if required, to ensure that there are no premature failures of bridge components.
- f) Retrofit foundation / footing, if required.

Engineer shall identify all the bridge components with deficiencies and their effects on the integrity of bridge system.

Engineer shall present seismic retrofitting plans and cost estimate for the Division review and approval.

3.12.4 NEW BRIDGES

If the alternative under consideration for the replacement of existing bridges, the analysis shall be governed by the importance category of the bridges (i.e., Critical; Essential; Others) per all the requirements of latest NYCDOT Seismic Design Criteria Guidelines including but not limited to the following features:

- a) All the three (3) directions of ground motions shall be considered.
- b) Install seismic protective system to reduce seismic demand, if feasible.
- c) Provide adequate displacement and ductility capacity for bridge system to ensure complying with seismic performance criteria.
- d) Attention to detailing, especially in regard to the potential plastic hinge zones, location of splices in rebar's, and the requirement of the hooks of rebar's.
- e) Set bridge components' shear strength higher than flexural strength to ensure there will be no brittle or sudden bridge failure.
- f) Design foundation / footing conservatively to avoid costly future retrofitting.

3.13 UTILITIES

The designer needs to be aware of the responsibilities of the utilities and rules governing the placement of utilities on bridges. In this regard, the designer shall comply with the requirements of Utilities Section 7 of NYSDOT Bridge Manual. In addition, specific NYCDOT requirement of utilities on the proposed bridge reconstruction includes, but not limited to the following:

1. All existing as well proposed utilities shall be accurately located on the bridge plans.
2. Existing as well as proposed utilities will be relocated in bays between longitudinal members under sidewalks.
3. In situation when all utilities and their appurtenances cannot be located or fit under the sidewalk, a request for waiver with justification will be required to be made to and approved by the Deputy Chief Engineer in final design.
4. Utilities will be supported or suspended by separate or independent support system attached to the main longitudinal members of the bridge and not to or thru the slab.

5. Utilities will not be supported on diaphragms and will not be embedded in any structural concrete.
6. Adequate horizontal and vertical clearances for inspection and maintenance will be maintained between utilities and structural components.
7. Utilities (and all supports) must be 1 ½” above the bottom of superstructure and 1” below the bottom of the deck of the superstructure.
8. All private utility work will be excluded from the DOT contracts and will be performed in accordance with the provision of Section ‘U’ to be incorporated in the contract document.
9. Utility manholes or valve boxes will not be located on the bridge structure, or attached to the railings and barriers (except electrical lines and boxes for street lighting) and manholes & chambers required for utilities shall be located beyond the approach slab.
10. All costs for and associated with all private utility work will be borne by the owning private utility companies.
11. The designer should note that sizes and numbers of utilities to be accommodated on the bridge may impact proposed alternates for bridge reconstruction as well as alternate to be recommended. For example, when large numbers of utilities are to be located under the bridge, superstructure with box beams is less suitable design. Hence, the designer shall review and address requirements of utilities to be installed on the bridge very carefully in design at the BRPR stage.

3.14 AESTHETICS:

The BRPR shall meet all applicable requirements described in NYSDOT Bridge Manual, latest Edition, and Section 23 – Aesthetics. In addition specific NYCDOT requirements for aesthetics / architectural purpose on the proposed bridge reconstruction includes, but not limited to the following:

The Engineer shall consider various architectural aspects of the project regarding surroundings, overall aesthetics, appropriate detailing for good appearance and functionality, selection of materials, means and methods, composition, proportion, harmony, size, color, texture, pattern, ornamentation, surface treatment and all related architectural considerations for maximizing appearance, visual integrity and impact, functional needs and minimum maintenance. The engineer shall retain a professional Architect experienced in bridge aesthetics to design and implement all applicable architectural aspects. The project specifics will be described in case-by-case basis for each individual project. Any specific suggested scheme by the NYCDOT/ Bridges Architect shall be included in the BRPR as part of the Engineer’s Alternates.

3.15 PLANS, ELEVATIONS, AND SECTIONS

The Engineer shall prepare plans, elevations, and sections of the existing and proposed highway, bridge and bridge approaches (wherein all utilities shall be shown). The plans and cross sections shall all be to scale.

3.16 LAND USE ASSESSMENT

The Engineer shall make a determination as to whether temporary and/or permanent easements and/ or acquisitions and/or a Uniform Land Use Review Procedure (ULURP) process is required for bridge construction (including staging and access) and maintenance purposes. The Engineer shall perform, but not limited to, the following tasks:

- Collect, research, and review of all pertinent data.
- Obtain supplemental survey data, as required.
- Perform last owner title searches; Title Examinations and Reports for publicly owned parcels: a section 4f evaluation; agency management and jurisdiction.
- Preparation of Right of Way (R.O.W.) Plan.
- Engineer shall obtain and review such documents as, Final Section Maps, Land Use Maps, Tax Maps, Street Status Reports, Sanborn Maps, Deeds, existing Alteration Maps, property descriptions, records of survey monuments, etc., from the respective Borough President' Office and/or Department of Finance, etc.

3.16.1 PREPARATION OF RIGHT OF WAY (R.O.W.) PLAN

The ROW Plan shall be amended to incorporate all Preliminary/Final Design Plan modifications. The Engineer shall perform, but not limited to, the following tasks:

- Clearly delineate project limits.
- Clearly delineate legally adopted street lines (as documented on final section and/or the latest alteration maps).
- Show correct location of the existing property lines and highway boundaries positioned accurately to a degree in keeping with the map scale.
- Identify existing topography, property lines, monuments, and baselines shall be tied to the bridge elements. In addition, distance(s) from centerline of existing (and proposed) bridge to property lines. All survey base lines shall be presented with their respective bearings.

- Provide Section, Block and Lot Numbers of each and every parcel that is contiguous to, and/or contained within, the Project Limits. The information is found in the respective Borough President's office (on the latest "Layout Map"). The total acreage for each individual parcel.
- Identify property owners' names. The current owner of each parcel must be identified, by research in the New York City Department of Real Estate (Tax Office).
- Delineate occupancy of each parcel, which is contiguous to the project, must be identified, by field research, regardless of whether the occupant is the owner or not.
- Identify abutting Park Lands
- Identify existing easements and rights of way must be clearly depicted.
- Identify all means of access to the property shall be shown.
- Identify temporary easements required for reconstruction (clearly depict with all dimensions; indicate total acreage).
- Identify "record", and "adopted" line information on drawing.

3.16.2 PREPARATION OF UNIFORM LAND USE REVIEW PROCEDURE (ULURP) PLANS (AREA, ALTERATION, DAMAGE AND ACQUISITION MAPS)

The Engineer shall determine the need for ULURP Drawings due to the change of existing legal grade elevations, property acquisitions, permanent easements, or temporary construction easements, etc. The Area Map, Alteration Map, and Damage & Acquisition Map (if deemed necessary) shall be developed to incorporate all Preliminary/Final Design Plan modifications. The Engineer shall perform, but not limited to, the following tasks:

- The Engineer shall be prepared to discuss project, access, relocation, environmental, and land use related issues.
- Develop Preliminary, and Final Area Map, Alteration Map, and Damage & Acquisition Map(s).
- Revise the Area Map, Alteration Map, and Damage & Acquisition Map(s), as per comments received from other city agencies.
- Adhere to & follow "City Planning Rules of Procedures", dated 2001 (or latest addition), for preparation of maps.

- Adhere to the requirements and procedures as outlined in the Uniform Land Use Review Procedures (ULURP, November 1998).
- Adhere to the requirements and procedures as outlined in the City Environmental Quality Review (CEQR, June 1991).
- Develop a final written “Metes & Bounds” description for streets to be discontinued and closed, any areas being ceded to the city, and for any easements or corridors proposed to be delineated on the Alteration Plan.

3.16.3 PREPARATION OF ULURP APPLICATION

The Engineer shall obtain and complete a ULURP Application Form from the Department of City Planning. The Engineer shall perform, but not limited to, the following tasks:

- The Engineer shall prepare the ULURP Application for filing purposes with the Department of City Planning.
- The Engineer shall prepare Notification Letters to all adjacent property owners.
- The Engineer shall make all necessary copies of ULURP drawings, letters, etc., for ULURP Application mass mailing submission.
- The Borough President Office charge fee for reviewing application. This fee should be added to the ULURP fee.

3.16.4 FIELD VISITS, PUBLIC MEETINGS, PRESENTATIONS, PUBLIC HEARINGS, ETC.

The Engineer shall include in the Scope of Work all anticipated field visits, meetings with Public Agencies, and Public Hearings for ULURP/ Damage & Acquisition approvals, as required for the Preliminary/Final Design Plan modifications. The Engineer shall perform, but not limited to, the following tasks:

- Visit various city agencies to obtain data, develop ULURP Plans, and Damage & Acquisition plans, as deemed necessary.
- Meet with various city agencies, including Borough President’s Topographical Bureau, Department of City Planning, Community Boards, Department of Citywide Administrative Services, Engineering Review – Land Use Planning Unit, etc., from the ULURP pre-application approvals to the completion of ULURP application certification, as deemed necessary.
- Prepare & distribute handouts, attend, and/or make presentation(s) to various city agencies, as deemed necessary.

To perform above described tasks 3.16, 3.16.1, 3.16.2, and 3.16.3 may require specialist or special services, as needed.

3.17 RECOMMENDATIONS, ESTIMATES, AND CONCLUSIONS

The Engineer shall provide a detailed description of each rehabilitation and replacement alternative provided, including an itemized cost estimate (wherein all major work is to be itemized).

The Engineer shall provide six (6) feasible alternatives for the reconstruction/ replacement of the bridge.

The alternatives shall be based on geometric that eliminate the existing substandard features and to mitigate current NYCDOT Seismic NYCDOT Design Criteria.

Each alternative shall be discussed in detail for:

- Construction feasibility and anticipated construction problems
- Advantages
- Disadvantages
- Load capacity of design truck
- Design criteria: HL-93
- Hydraulic adequacy
- Redundancy, fatigue sensitive details
- Removal and disposal of hazardous materials
- Future maintenance
- Utilities and their impact on design and Work Zone Traffic Control, if any
- Conformance to AASHTO, NYSDOT, NYCDOT and FHWA Seismic requirements and as specified herein. A justification shall be included if the alternative does not conform to these requirements. A detailed calculation is not required for all alternatives at this stage.
- Proposed treatment of substandard features: list of substandard features recommended for retention (or merely improved) with justification. Accident data shall be included as part of the justification where applicable.
- Work Zone Traffic Control (staging and duration)

- Land: indicate whether or not any temporary and/or permanent easements and/or land acquisitions will be required. Provide the associated cost of any required easement or acquisition.
- Environmental; community; permit issues; appearance.
- Include provision to access by pedestrians to privately owned property affected by the construction activities, if applicable.
- Cost
- Other (as required)

Each alternative writeup shall also include the following:

- Itemized cost estimate
- Cost per square foot of deck area
- Plans and sections

The following six alternatives shall be considered by the Engineer as an initial guide in evaluating the possible rehabilitation / replacement alternatives:

- 1) Concrete overlay on existing deck in conjunction with the rehabilitation of the existing superstructure and substructure.
- 2) Replacement of existing deck in conjunction with the rehabilitation of the existing superstructure and substructure.
- 3) Replacement of the existing deck and superstructure with a new steel superstructure, in conjunction with the rehabilitation of the existing substructure.
- 4) Replacement of existing deck and superstructure with a pre-stressed concrete superstructure, in conjunction with the rehabilitation of the existing substructure.
- 5) Replacement of the entire structure (including substructures) using steel superstructure.
- 6) Replacement of entire structure (including substructure) using pre-stressed concrete superstructure.

Any substructure elements remaining in selected alternative(s) must satisfy seismic criteria or provide justification for retaining such an element(s).

The Engineer shall possess high degree of sensitivity to the hardship of traveling public and community impacted by the extensive duration of construction, the use of prefabricated components and / or other innovative plans to shorten the construction duration are additional factors to be included to the above-mentioned six alternatives considered.

The above mentioned six alternatives are for the purpose of cost proposal only. The actual alternatives shall be determined by the Engineer during development of BRPR. Selection of alternatives are to be based on the size of bridge (span length, width, height, etc.), features carried, features crossed, type and volume of traffic supported, location, and any other pertinent factor. The Division may suggest other more appropriate and feasible alternative. These may add up to a total of six (6) alternatives. The engineer will look into it, check if it will be in compliance with all applicable standards, and then include this as a part of the alternatives package for the BRPR at no additional cost. The Engineer shall state that all proposed alternatives are suitable and feasible, and they comply with all applicable standards. The Division will review all alternatives including the Engineer's recommendation, and will make the final selection of an alternative.

The Engineer shall investigate the feasibility as well as the desirability of providing for an Inspection platform/walkway on the reconstructed bridge. The Engineer shall present his findings and recommendations herein.

3.18 ORIGINAL COLOR PHOTOS

The following photos are to be taken and included in the BRPR, at a minimum:

- Both elevation views of the entire structure and facility being scanned.
- Views taken from each approach looking toward the structure, and taken from the structure looking towards both approaches.
- Representative conditions of the bridge elements (and approaches) found during the Engineer's In-Depth Inspection.
- Each type of problem observed in the field (deteriorated and/ or low rated). Enough photos shall be included.
- All specialized inspection operations, such as concrete encasement removal, underwater inspections, etc.

Photo location plans (showing where each photo was taken) shall be contained in the appropriate BRPR sections.

Photos contained in the draft BRPR and final BRPR submissions must be original developed prints. Color photocopies shall be accepted by the Department, with appropriate size and good quality color photos. In addition to that consultant will submit photos in an electronic format along with the report.

3.19 DIGITAL VIDEO DISC (DVD)

The Engineer shall prepare a color DVD of the bridge structure and approaches inspected during the In-Depth Inspection.

The DVD shall contain views of the approaches, adjacent properties, both bridge elevations, the bridge itself from both approaches; document representative conditions of the bridge elements (and approaches); deteriorated and/or low rated elements; all flagged conditions; any unusual conditions; all specialized inspection operations; etc.

The use of the DVD does not replace any part of the normal in-depth inspection procedures. To ensure that recording of all required views are done properly the DVD camera operator shall be a trained professional and shall work under the supervision and direction of the Team Leader responsible for the Inspection. The intent of all scenes in the DVD should be clearly narrated. The narration should be audible and understandable. Noise and other disturbances due to traffic or any other activity at the site of bridge during inspection should be completely eliminated. This can be easily attained by dubbing the DVD afterwards in a studio.

There shall be a separate DVD for each bridge. The bridge should be identified by its description, BIN and date at the beginning of the recording (by visual and audio message). If the DVD recording for a bridge takes more than one DVD, each DVD should have the audio and visual message identifying the bridge.

DVD of underwater structures shall be performed in accordance with the criteria set forth by the NYSDOT Specification of In-Depth Bridge Inspection and specifications for diving inspection of bridges.

The video recording should use a DVD format, video camera at "SP" speed on a DVD of professional quality and all video photography shall be properly illuminated to ensure quality viewing on the monitor. The dark areas of the bridge shall be illuminated with either floodlights or with an appropriate lighting device attached to the video camera.

The Engineer shall submit one copy of the dubbed DVD for approval with the draft BRPR. DVD shall be properly labeled.

DVD that does not meet the requirements set forth will be rejected. The Engineer will then be required to re-tape the video at no cost to the City.

4.0. DRAFT BRPR

The Engineer shall submit four (4) drafts BRPR's to the City, together with the DVD's and survey plans. The draft BRPR's shall be submitted to the full extent of completeness required of the BRPR. The Department will coordinate all comments and forward them to the Engineer. A set of plans of the existing bridge shall be submitted to the Department.

The Engineer shall submit report in a suitable folder / binder. The report thickness should be more than two inches, it is recommended to submit in separate volumes. Submit load rating calculations and geotechnical report in a separate volume / folder or include them as an Appendix to the BRPR for complete documentation and review.

All design calculations shall be prepared with references to code allowable, paginated and properly checked (including computer input), dated and shall include the names/initials of the preparer and checker. If the design calculations are submitted separately from the BRPR, submit two (2) copies of such calculations or as directed by the Department.

5.0 FINAL BRPR

The Engineer shall incorporate all comments made by the Department into the Final BRPR. All Departmental comments shall be addressed by the Engineer and the Engineer shall provide a written response stating that either the comments was addressed or that the comments was not incorporated based upon a proper justification.

The Engineer shall submit four (4) copies of the final BRPR to the Department. In conjunction with the submission of the Final Documents, the Engineer shall also submit four (4) copies of the final BRPR to the New York City Department of Records and Information Services, Acquisitions Unit.

The Engineer shall submit Report in a suitable folder / binder. The report thickness more than two inches, it is recommended to submit in separate volumes. Submit load rating calculations, seismic design calculations, Geotechnical report in a separate volume / folder.

All design calculations shall be prepared with references to code allowable, paginated and properly checked (including computer input), dated and shall include the names/initials of the preparer and checker. If the design calculations are submitted separately from the BRPR, submit two (2) copies of such calculations or as directed by the Department.

In addition to that the Engineer shall submit final report in an electronic format, in a DVD.

6.0 PRELIMINARY PLANS

The Engineer shall prepare the Preliminary Plans based on the approved rehabilitation / replacement alternative, as selected by the Department. The Department will make the final decision for the alternative. The selected alternatives either from the Engineer's recommended alternative or selected alternative by the Department which may not necessarily be contained in the Engineer's draft BRPR.

The Preliminary Plans shall be prepared in accordance with the current NYSDOT Standard Details for Highway Bridges, Bridge Design Data Sheets and Guideline Drawings and all other appropriate documents referenced in the Contract.

The Preliminary Plans shall show basic concepts and major details (including all existing and proposed utilities, and seismic retrofitting), inform affected parties with the project and project components, serves as an instrument for initial approval by affected parties, and serves as a basis for the development of the Final Contract Bid Documents for reconstruction or replacement. The Preliminary Plans shall be developed to a degree of sufficiency in order to insure that there are no significant changes during the final design phase.

Engineer shall include and identify affected private / public properties adjacent to bridge or in the vicinity of bridge, within project limits, which will require provisions of special access during the construction phase.

The set of Preliminary Plans shall clearly show the scope of work and shall include the following, at a minimum:

- Itemized scope of work write-up
- Existing general plan, bridge cross-section, elevation
- Proposed general plan, cross sections (bridge and approach slab), and elevation
- Profiles: existing and proposed: grades, legal grades, vertical curve data, SSD, design speed, scupper, catch basins; stationing, etc.
- Framing plans (existing and proposed)
- Highway sections (existing and proposed)
- Substructure: abutments, wing-walls/ retaining walls, piers, elevations and cross sections (show foundations), boring location and boring logs
- Structural details
- Utilities: Large-scale full or partial cross sections showing dimensions between utilities and structural members (existing and proposed). The method of maintenance of existing utilities shall be defined as applicable

- Work Zone Traffic Control Plan
- R.O.W. Plan
- Itemized cost estimate (on separate 8.5” x 11” sheets)
- General notes

A Title sheet and signage are not required. Separate utility plans may or may not be required depending on the clarity of the general plans.

See Appendix E for the NYCDOT Preliminary Plan Review Check List, which further indicates what as a minimum is expected to be shown on the Preliminary Plans. The Preliminary Plans shall be prepared as per the Department's standards for drafting as specified in "Specifications for the Preparation of Record Drawings and Electronic Media".

The Engineer shall submit four (4) sets of the draft Preliminary Plans to the Department for review. Upon incorporation of all comments from the Department, the Engineer shall submit four (4) sets of final Preliminary Plans to the Department for approval. In addition to hard copy the Engineer shall submit final plans prepared in AutoCAD and searchable pdf format for Department use and record. Use scale as per NYSDOT Bridge Manual for plans preparation.

7.0 PRELIMINARY PLANS - AGENCY REVIEW MEETING

The Engineer shall transmit the Preliminary Plans to affected agencies and parties for their review and comment. An All Agency meeting to take place after submission of final preliminary plans and separate OCMC meeting will subsequently be held to receive their comments. All comments as approved by the Department shall be incorporated.

8.0 SUBMISSION TO THE RAILROAD

For all projects involving a railroad, the Engineer shall obtain the force account for labor, entry and other permits, necessary insurance (such as professional, liability, etc.), and arrange for entry as necessary upon railroad property in connection with his inspection. The Engineer will communicate directly with the railroad during the development of the BRPR and the Preliminary Plans. Copies of all correspondence and the minutes of any meeting between the Engineer and the railroad shall be forwarded to the NYCDOT.

APPENDICES

- APPENDIX A: BRPR Format and Requirements**
- APPENDIX B: Substandard Features Check List**
- APPENDIX C: Presentation of Ratings**
- APPENDIX D: In-Depth Inspection Form and Bridge
Inspection and Condition Report**
- APPENDIX E: Preliminary Plan Review Checklist**
- APPENDIX F: Field Survey Requirements**

APPENDIX - A

BRPR FORMAT AND REQUIREMENTS

The following requirements supplement those specified in the Engineer's Agreement (i.e., contract) and the Procedure for Bridge Reconstruction Projects.

All pages of the report shall be numbered.

All sections of the report shall be divided with plastic tabs

1. Transmittal Memo
2. Title Sheet
3. Table of Contents
 - a. - Location Plan (obtained from City Planning Maps)
 - b. - Large Scale Plan (showing the project limits and the immediate Surrounding area).
 - c. - Photo Location Plan
 - d. - General Photos (6)
 - e. - List of Figures
 - f. - List of Tables
- 1 Introduction
- 2 Traffic Study
- 3 Substandard Features
- 4 Ratings
- 5 Inspection
- 6 Seismic Assessment
- 7 Statements
- 8 Recommendation and Estimates
- 9 Work Zone Traffic Control
- 10 Geotechnical Foundation Report

1.0 INTRODUCTION

1.1 ENGINEERING AGREEMENT

Provide a brief summary.

1.2 HISTORY OF BRIDGE

In addition, to historical significance, provide the year originally built and year/description of any subsequent rehabilitation, major repair, or resurfacing.

1.3 PLAN VIEWS OF BRIDGE AND APPROACHES; CROSS-SECTION, ELEVATION

The following shall be included:

- Identify begin and end abutments, center line of piers
- Span length(s)
- Skew
- Fascia to fascia width
- Curb to curb width
- Number and width of all parking and travel lanes; direction of Traffic
- Clearance between edge of lane and curb
- Sidewalk widths
- Widths of all medians and shoulders
- Utilities: show size / Location / Ownership
- Stationing
- Minimum clearances (horizontal and vertical)

1.4 DESCRIPTION OF BRIDGE AND APPROACHES

The following shall be included and presented in an orderly and complete manner; use appropriate sub headings:

- Number of spans, length and type of each span (simple, continuous, arch, etc.)

- Skew
- Type of deck (and depth)
- Type of wearing surface (and depth)
- Type of superstructure (primary members)
- Type of substructure: abutment; piers; wingwalls/retaining walls; foundations.
- Type of railing
- Utilities (size and ownership)

1.5 DESCRIPTION OF HIGHWAY BEYOND APPROACHES

Include all appropriate items from Section 1.4

2.0 TRAFFIC STUDY

The following items shall be discussed/ provided, at a minimum:

- Traffic counts (vehicular and pedestrian) and turning movements (provide a plan of movement data). Provide a minimum of **seven** days of 24 hour vehicular counts (**Sunday through Saturday**) and **seven** days of turning movements and pedestrian and bicycle counts (**Sunday through Saturday**; 7 a.m. to 10 a.m. & 4 p.m. to 7 p.m.). Pedestrian traffic counts are required for all sidewalks, stairways and pedestrian ramps. Additional periods (hours) of pedestrian counts may be required if the project is located near a school.
- Type of Traffic: above and below the span, including all public and private buses.
- A.M. / P.M. peak periods (and traffic volumes).
- Percentage truck traffic.
- Average Daily Traffic (ADT).
- One way (and two ways) Design Hourly Volume (DHV)
- Projected traffic (as per New York Metropolitan Transportation Council data)
- Capacity/level of service: Existing and future traffic (vehicular and pedestrian).

- Widening: Address if required and if feasible.
- Highway classification.
- Design speed, legal speed (indicate if posted).
- Traffic Controls/ geometry: address any effecting signals/ signs/ intersections/alignment; indicate proposed improvements.
- Indicate whether residential or commercial.
- Indicate all hospitals, schools, police and fire departments within the vicinity of the bridge; provide a separate plan identifying all such facilities.
- Accident Report
- Bicycle Facilities Report
- Conclusions / Recommendations

3.0 SUBSTANDARD FEATURES

All Features in "The Substandard Feature Check List" (see Appendix B) shall be addressed. Justification writeup for each substandard feature which will be retained (or merely improved) shall be provided.

SSD (existing and proposed) shall be shown on a profile; the profile shall include stationing, curve data, elevations

4.0 RATINGS

4.1 Writeup of:

- Analysis
- Results
- Conclusions
- Recommendations

Various structural spans and / or elements shall be addressed in a clear and orderly manner. Use appropriate sub headings.

4.2 Submit the followings:

- Diagrams of vehicular loadings

- Framing Plan, identify all members rating less than design truck inventory as inspected.
- Photos of members which rate low due to deterioration.

4.3 As- Built and As-Inspected Inventory and Operating Ratings for All members (see Appendix C for required format).

5.0 **INSPECTION**

5.1 **EQUIPMENT:**

Listing of equipment used for inspection

5.2 **IN-DEPTH INSPECTION FORM:**

The In-Depth Inspection form shall be completed. See Appendix D.

5.3 **BIENNIAL INSPECTION FORM & BRIDGE INSPECTION AND CONDITION REPORT.**

Biennial Inspection Form, Bridge Inspection and Condition Report as per latest NYSDOT and as per Appendix D.

5.3 **DECK EVALUATION**

As per latest NYSDOT Bridge Deck Evaluation Procedure Manual for additional requirements.

The following shall be presented for all spans in a clear and orderly manner; use appropriate sub headings.

- **DECK DESCRIPTION:**

Provide detailed description; type; material and depth (including wearing surface); indicate whether or not composite; etc.

- **FIELD INSPECTION:**

Provide details of observations/ findings of the condition of the wearing surface and deck; including visual as well as results of soundings performed on the underside of the deck. Address whether or not the Engineer determined that concrete removal was required.

- **CORING PROGRAM:**

Present a summary of the program and results. The Engineer shall take 65% to 70% of concrete samples from the roadway surface. The Engineers

prepare coring plans with all proposed locations and submit to the Department for review comments.

- **DECK DRAINAGE:**

As per NYSDOT Bridge Manual and BD sheets and NYCDEP Standards.

- **DECK ELEMENTS:**

Address sidewalks, curbs, medians, and railings/ parapets.

- **RECOMMENDATION:**

As to repair or replacement of deck.

- Typical Cross-Sections of existing Bridge.
- Plan of existing Bridge with all deck **surface deterioration** shown. All core holes shall be located on this plan.
- Plan of existing bridge with all **under deck deterioration**; cracks; efflorescence; spalls; hollow areas, etc. An estimate of the area of the deck having unsound concrete, as a percentage of the total deck area shall be provided.
- Original photographs and an electronic format deck surface and under deck documenting typical deterioration. Indicate all location and direction of all photos to be shown in Plan.
- Test results under field conditions provide quantitative values of the test results for Concrete Cores and Freeze Thaw tests. The Engineer shall submit copy of Core Tests Results; photographs and description of cores.

Note: Regardless of whether or not cores are required to be taken; none of the other above steps shall be omitted.

5.5 SUPERSTRUCTURE EVALUATION

The following shall be presented for all spans and elements. Various structural spans and elements shall be addressed in a clear and orderly manner. Use appropriate sub headings.

- **STRUCTURAL ELEMENT DESCRIPTION(S)**

(primary and secondary):

Provide detailed description of type of all **members**; all **connections**; all **joints**; all **bearings**; fracture critical members; fatigue sensitive details; etc.

- **FIELD INSPECTION:**

Discuss the observations/ findings of all the elements. Summarize the **typical conditions and deterioration** found; address all **unique conditions** as well as the **most extensive** deterioration found. Describe the following: **all specialized inspection operations** (such as concrete encasement removal; steel sampling. etc.); existing **shoring** and/ or repairs, conditions **flagged** during the inspection.

- **RECOMMENDATIONS:**

Engineer shall make recommendations to rehabilitate or replace the superstructure elements.

- **FRAMING PLAN:**

A **framing plan** shall be included with all members requiring repair noted on the framing plan with key symbols indicating the type of repair required and the extent of deterioration.

Symbols shall be as follows:

T - Top Flange

W - Web

B - Bottom Flange

- | | |
|--------------------------|-----------|
| a. Normal corrosion | up to 10% |
| b. Significant corrosion | up to 20% |
| c. Severe corrosion | up to 30% |
| d. Extreme corrosion | up to 50% |
| e. Heavy Loss | over 50% |

Extent of corrosion along the length of beam shall be noted in meters.

Top flange with severe corrosion for 10ft shall be noted as (Tc3).

All members to be replaced shall be shown on the framing plan.

The extent of deterioration shall be indicated on the members to replace, as well, using the previously noted symbols.

Show all existing shoring and repairs on the plan.

- Original color photos showing representative conditions and types of deterioration. Location and direction of all photos to be shown on the framing plan.

5.6 **SUBSTRUCTURE EVALUATION**

The following shall be presented for all spans and elements (includes piers, abutments, wingwalls, retaining walls; and their respective foundations). Various structural spans and elements shall be addressed in a clear and orderly manner. Use appropriate sub headings.

- **STRUCTURAL ELEMENT DESCRIPTION(S):**

Provide detailed descriptions of type of all elements and their **foundations**.

- **FIELD INSPECTION:**

Detailed description of the substructure evaluation methods used; discuss the observations/ findings of all the elements. Summarize the **typical conditions and deterioration** found; address all **unique conditions** as well as the **most extensive** deterioration found. Describe the following: **all specialized inspection operations**; existing **shoring** and/ or repairs, conditions **flagged** during the inspection.

- **TILTING, SETTLEMENT AND OTHER DEFECTS:**

Provide a statement that the elements were checked for **tilting, settlement and other defects** (erosion, scour, etc.) that would signal foundation problems; and indicate what was found. If some are found, analysis shall be performed to evaluate the effect of the deficiencies on the performance of the bridge structure, which may include the review of existing data related to soils and foundations. Methods or alternatives to repair the deficiencies during the reconstruction shall be outlined.

- **RECOMMENDATIONS:**

To replace or rehabilitate substructure units. Indicate whether or not the recommendations will have any effects (possible undermining, etc.) on adjacent structures; discuss the effects, as applicable.

- **ELEVATIONS AND CROSS SECTIONS:**

Elevations and Cross Sections of each and every substructure element (piers, abutments, wing-walls, retaining walls). Clearly show (or note) the respective foundations. On each elevation view show all deterioration, including the results of concrete sounding. For concrete elements, provide an estimate of the area of the applicable element having unsound concrete as a percentage of the applicable element's total area.

- **PHOTOS:**

Original colored **photos** of all substructure elements showing representative conditions and types of deterioration. Location of each photo to be shown on the appropriate elevation view or plan.

5.7 UNDERWATER INSPECTION

5.8 HYDRAULIC REPORT

5.9 FENDERING SYSTEM

6.0 SEISMIC ASSESSMENTS

Draft BRPR, there should be a statement to the effect that the proposed alternative for rehabilitation can be designed to sustain seismic load during seismic event. The Engineer shall performed seismic analysis for selected design scheme only. If retaining existing elements and / or structural members that do not meet seismic criteria then provide types of seismic retrofit alternatives. The seismic analysis shall be performed as per the latest NYCDOT Seismic Design Criteria Guidelines.

In the final BRPR the following items should be included for the design of selected bridge structure alternate.

The Engineer shall determine vulnerability of the bridge as per the latest NYSDOT Seismic Vulnerability Manual and Seismic Design Criteria Guidelines and Standards of New York City Department of Transportation (NYCDOT), and provide write up of:

- Method and procedure for study and analysis:

Rock acceleration, soil profile, analysis method, modeling of structure, name of computer program.

Calculate Capacity (C)/ Demand (D) ratios for all the critical components. The required C / D ratios are also applicable to all the simple span bridges.

- Conclusions and Discussion

Identify vulnerable components of the bridge, and provide retrofit schemes to improve the seismic response of the bridge to an acceptable level.

- Recommendations and Cost Estimates.

The Engineer shall perform seismic analysis for selected design alternative only. If existing elements and / or structural members which do not meet seismic criteria are retained in the selected design alternative, the Engineer shall provide

seismic retrofitting for these retained elements with a recommendation. If any structural components which do not meet the seismic criteria are maintained, the Engineer shall make formal request for waiver.

7.0 STATEMENTS

- Planning Statements:

NYCDOT Division of Bridges; NYCDOT Division of Highways; NYSDOT (Regional Director); Utility Companies (public and private)

- Hazardous Materials
- Determination of Permits
- Historical Significance (including Landmark status)
- Land Use Assessment (and R. O. W. Plan)

8.0 RECOMMENDATIONS AND ESTIMATES

Use appropriate sub headings.

8.1 SUMMARY OF ALTERNATIVES

8.2 ALTERNATIVES

For each of the proposed six alternatives provide:

- Detailed writeup as specified in the "Procedure for Bridge Reconstruction Projects"
- Cost Estimate for all associated work (itemize all major work).
- Plan and cross-section

8.3 RECOMMENDATION:

The Engineer shall recommend an alternative and provide appropriate justification.

9.0 WORK ZONE TRAFFIC CONTROL

The Engineer shall prepare Work Zone Traffic Control scheme as described below:

9.1 WORK ZONE TRAFFIC CONTROL METHODS

The Engineer shall investigate the Work Zone Traffic Control methods (description; discussion of advantages and disadvantages, cost estimate, duration, sketches) and all findings should be included in the report. The following methods are to be addressed (at a minimum):

1. Full Bridge Closure to Vehicular (and Pedestrian) Traffic.
2. Least Impact to the Traveling Public (Vehicular and Pedestrian).
3. Least Impact to the Surrounding Community.

9.2 PROPOSED WORK ZONE TRAFFIC CONTROL SCHEME

1. The following items are required for **each stage** of the proposed maintenance of traffic scheme:
 - A plan showing the bridge, the approaches and highway beyond the approaches.
 - Cross sections through the bridge (and approaches if appropriate).
 - Each plan and section shall show the number and width of available traffic lanes; proposed utility installation consistent with staging lanes, transitions, work zone limits, distances to all existing and proposed, temporary and permanent: lane lines, curb lines, barriers, demolition cut lines, and reconstructed limits (transverse and longitudinal).

Engineer shall review and propose if temporary pedestrian bridge is required when sidewalk way is closed to pedestrian traffic.

- Duration

2. Detour Plan(s)

9.3 CONSTRUCTION ACCESS

The proposed means of construction access shall be explained and shown on the plan.

10.0 **GEOTECHNICAL FOUNDATION REPORT:** Submit Geo-Technical Report to the Department as discussed in Section 3.5.

11.0 **GUIDELINE FOR REQUESTING WAIVER**

The Engineer may request for waiver of any bridge design criteria and Division's various Guidelines (substandard features, utility connection, seismic compliance, etc). Formal request for such waiver should be made to the Deputy Chief Engineer with proper justification and relevant documents for review. The waiver will be subject to approval of the Deputy Chief Engineer.

APPENDIX - B

SUBSTANDARD FEATURES CHECKLIST

B.I.N: _____

FEATURE CARRIED: _____

FEATURE CROSSED: _____

PROJECT DESCRIPTION: _____

PREPARED: _____ **BY DATE:** _____

	FEATURE	STANDARD	EXISTING	PROPOSED	ACTION *	REMARKS
1.	Lane Width					
2.	Parking Lane Width					
3.	Bridge Roadway Width Matches Approaches					
4.	Cross Slopes					
5.	Profile Slopes					
6.	Super-elevation					
7.	Curbs					
8.	Median					
9.	Horizontal Clearance to Obstructions					
10.	Shoulders					
11.	Guide Rails					
12.	Railing (structural capacity)					

* **Legend:** **E:** Eliminated Applicable

I: Improved

N/A: Not

R: Retained

C: Conforms with or Exceeds Standards

APPENDIX - B

SUBSTANDARD FEATURES CHECKLIST

B.I.N: _____

FEATURE CARRIED: _____

FEATURE CROSSED: _____

PROJECT DESCRIPTION: _____

PREPARED: _____

BY DATE: _____

13.	Vertical Clearance under Bridge					
14.	Horizontal Clearance above Roadway					
15.	Vertical Clearance above Roadway					
16.	Stopping Sight Distance					
17.	Horizontal Sight Distance around Curve					
18.	Lighting Illumination Levels					
19.						
20.	Gore at Ramps					
21.	American Disabilities Act (ADA) Requirements					
22.	Sidewalk Width					
23.	Sidewalk Cross slopes					
24.	Pedestrian Ramps					

* **Legend:** **E:** Eliminated
Applicable

I: Improved

N/A: Not

R: Retained

C: Conforms with or Exceeds Standards

APPENDIX C

INSTRUCTIONS FOR PRESENTATION OF RATINGS IN B.R.P.R.

For each member, provide an Inventory and Operating Rating (Level 1) for both As-Built and As-Inspected conditions, using the Design and Legal trucks.

The Engineer shall refer to the AASHTO Manual for Bridge Evaluation for the loading conditions.

For rehabilitation projects all members and connections shall initially be rated by the Allowable Stress method (working stress). Each and every member that does not meet the minimum required inventory rating for the vehicular type shall be re-rated using the Load Factor method.

The ratings shall be presented as per the format on the attached sample sheet.

- Each span shall be numbered same as N.Y.S.D.O.T. Inspection Form (TP 349 & TP 350)
- All ratings shall be rounded to the nearest whole number
- All HS & H ratings shall include both the equivalent H & HS truck and the total load in Tons
- LRFR rating shall be shown at the Inventory and Operating Levels as rating factors for AASHTO HL-93
- The Engineer shall indicate, by means of appropriate notations on the forms that all connections have been rated
- If the connection rates lower that the members to which it is connected to, the Engineer shall indicate on the forms the following:
 1. The connection rating
 2. The ratings of the members to which it is connected
 3. These connection locations shall be clearly identified on the forms
- For low rated members, the Engineer shall indicate, by means of appropriate notations on the forms whether shear or bending moment controlled

- The Engineer shall indicate, by means of appropriate notations on the forms, the rating method used (i.e., allowable stress or load factor)
- The Engineer shall provide ratings for the following members (minimally):
 - All superstructure members (Note: a separate load rating of the concrete deck is not required)
 - All piers (columns, cap beams, etc.)
 - All abutments, wingwalls / retaining walls comprised of: timber; soldier beam systems (Note: a load rating of concrete abutments is not required)

The Engineer shall provide a framing plan with all members and spans identified. Abbreviated member designation shall be used on the rating form, coinciding with the framing plan. The framing plan shall show all lengths of members, stringer spacing, floor-beam spacing, etc.

APPENDIX D

B.I.N.: _____ **REGION:** _____

DATE: _____ **COUNTY:** _____

IN-DEPTH INSPECTION FORM

I. LOCATION

1. Route Carried: _____

2. Features Crossed: _____

3. Reference Marker Nearest Bridge Begins _____

4. Is Bridge on the Federal-Aid System: Yes _____ No _____

 If Yes, Federal-Aid Route No.: _____

5. Functional Classification: _____

II. BRIDGE DESCRIPTION

6. Basic Bridge Description: _____

7. Span Lengths: _____

8. Total Length: _____

9. Skew: _____

10. Curb-to-Curb-Width: _____

11. Sidewalk Width: Right _____ Left _____

12. Railing Type: _____ Material: _____

13. Type of Wearing Surface: _____

14. Description of Utilities is on Bridge: _____

15. Is there any hazardous material (asbestos, lead paint) on the bridge and utilities:

III. GEOMETRICS AND TRAFFIC

16. Number of Traffic Lanes on Bridge: _____

17. Measured Super-elevation on Bridge: _____

19. Posted Load Limit on Bridge: _____ Tons

As-Inspected Load Limit on Bridge: _____ Tons

20. Legal Speed Limit on Bridge: _____ MPH

Is the Legal Speed Limit Posted? _____

Design Speed on Bridge: _____ MPH

21. AADT: _____ Date of Count: _____

% Truck Traffic: _____

22. Posted Vertical Clearance:

On Bridge _____ met or None

Under Bridge: _____ met or None

23. Field Measured Minimum Vertical Clearance on Bridge: _____ met

24. Sketch Showing Minimum Field Measured Vertical Clearance at Edge of Under Roadways and Within Under Roadways

25. Alignment on Bridge:

Horizontal: Tangent: _____ or Curved Data: _____

Vertical: Grade: _____ or Curved Data: _____

26. Width of Approach Pavement: _____

27. Width of Approach Shoulders: _____

28. Approach Alignment Within 300 Feet of Bridge Begins and Bridge Ends.

Bridge Begins Approach Alignment:

Horizontal: Tangent: _____ or Curved Data: _____

Vertical: Grade: _____ or Curved Data:

Bridge Ends Approach Alignment:

Horizontal: Tangent: _____ or Curved Data: _____

Vertical: Grade: _____ or Curved Data: _____

29. Date Built: _____

30. Original Contract No.: _____

31. Location of Original Contract Plans: _____ As-Built _____

32. Contract No. of Subsequent Contracts: _____

33. Location of Subsequent Contract Plans: _____ As-Built _____

V. BRIDGE RATINGS:

31. Original Design Live Loading: _____ Unknown _____

LOAD RATING TABLE

AASHTO Truck Types	Inventory Tons	Operating Tons	Controlling Member(s)
HL-93			
HS-20			
H-20			
Type3			
Type 3S2			
Type 3-3			

32. Operating Rating:

• Fascia Stringer: _____

• Interior Stringer: _____

• End Floor Beam: _____

- Intermediate Floor Beam: _____
- Stringer Connection: _____
- Floor Beam Connection: _____
- Girder: _____
- Truss (Note critical member): _____

Computed by: _____ Checked By: _____

33. Inventory Rating: _____

Fascia Stringer: _____

Interior Stringer: _____

End Floor Beam: _____

Intermediate Floor Beam: _____

Stringer Connection: _____

Floor Beam Connection: _____

Girder: _____

Truss: _____

Computed By: _____ Checked By: _____

VI. PHOTOGRAPH SHOWING:

- a. Appearance of Bridge from both approaches.
- b. Appearance of upstream and downstream channels on water crossings.
- c. Appearance of bridge in elevation.
- d. Appearance of both approaches looking from bridge.
- e. Problem Areas, utility installations.

VII. COMMENTS:

b. Local Residents: _____ Date Observed: _____

c. D.O.T. Personnel: _____ Date Observed: _____

8. Was above high water affected by Ice? _____ Debris? _____

9. Ordinary high water elevation (Annual Flood): _____

10. Ordinary water elevation: _____

11. Low water elevation: _____

12. Has water ever flowed over roadway at structure? ___ on approaches? _____

If so, to what elevation? _____ Date: _____

13. Elevation of lowest under-clearance point of superstructure: _____

14. Describe any scour problems: _____

15. Additional Comments: _____

NAVIGATION REQUIREMENTS:

16. Does existing structure have navigation lights? _____

17. Is there tidal influence at project location? _____

18. Give type, size and volume of marine traffic: _____

Items 19 and 20: for River/Stream Bridges only if channel width changes are proposed.

EXISTING UPSTREAM STRUCTURE:

B.I.N.: _____

Carries:

19. a. Span measured along center line of highway: _____

b. Skew: _____

c. Is the waterway area adequate during extreme high water? _____

d. Has scour occurred? _____

EXISTING DOWNSTREAM STRUCTURE:

B.I.N.: _____ **Carries:** _____

20. a. Span measured along center line of highway: _____

b. Skew: _____

c. Is the waterway area adequate during extreme high water? _____

d. Has scour occurred? _____

APPENDIX E

PRELIMINARY PLAN REVIEW CHECK LIST

Project Description: _____

BIN: _____ **Contract No.** _____

Consultant: _____

Drawings Reviewed by: _____ **Date:** _____

Approved by: _____ **Date:** _____
(Project Manager)

General notes for the bridge structure, scope of work and estimated cost should be submitted with the draft and final Preliminary Plans. During the preparation of plans Engineer should follow NYSDOT Bridge Manual guidelines unless stated otherwise.

1. PLAN

- | | | |
|---|------------------------------|-----------------------------|
| a) Existing Plan (Show existing curb cuts). | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| b) Indicate proposed work on plan labeled "Proposed". | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| c) Show location of min. vertical R.R. clearance. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| d) Indicate R.R. name and final destination. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| e) Approach slab and pressure relief joints (if required). | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| f) Stations for begin & end abutment and at centerline of piers. Show all center lines of bearing. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| g) Indicates lane widths, parking lanes and clearance to curbs on bridge & approaches, lane transitions and direction of traffic. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| h) Limit of work on approaches. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| i) Limit of railing and fencing. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| j) Width of roadway and sidewalks on approach and bridge. | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

- k) Location of fixed and expansion joints. Yes No
- l) North arrow. Yes No
- m) Skew angle. Yes No
- n) Location of utilities, lampposts, catch basins, manholes, etc. Yes No
- o) R.O.W. lines. Yes No
- p) Do approach roadway & sidewalk widths match those on the bridge? Yes No
- q) Are handicapped ramps shown? Yes No
- r) Are boring location and logs of borings shown? Yes No

2. BRIDGE CROSS SECTION

- a) For bridges carrying utilities show full width, existing And proposed cross sections. Show all dimensions. Yes No
- b) Epoxy coated top bars or wire fabric if pre-stressed concrete box beams. Yes No
- c) Is overlay option called for? Yes No
- d) Thickness of roadway slab- 7-1/2" min. & Side-walk slab - 7" min. on steel structures. Yes No
- e) Is new roadway/sidewalk slab designed for HS-25 using the ASD (working stress), LFD or LRFD HL-93? Yes No
- f) 7" steel faced curb. Yes No
- g) 4 rail railing and fencing - concrete parapet with fluted face and fence preferred if dead load or sight distance is not critical. Yes No
- h) Lane locations. Yes No
- i) Location and sizes of utilities and utility owner. Yes No

- j) Are utilities located under the sidewalk? (If not, request with justification for waiver will be required). Yes No
- k) Pre-Cast Slabs Yes No
1. 48" wide units preferably, +1/2" joint between units.
 2. If 36" wide section required - locate on outside.
 3. 6" wearing course.
 4. Indicate depth.
- l) 2 % cross slope on roadway. Yes No
- m) Are sidewalk cross slopes within ADA Requirements - 2% maximum? Yes No

3. ELEVATION

- a) 1/2 elev. proposed, 1/2 existing if similar, otherwise full Elevations required. Yes No
- b) Stationing - follow State guidelines. Yes No
- c) Min. R.R. vertical clearance both existing & proposed measured 61" off centerline of track (If roadway below gives vertical and horizontal clearance). Yes No
- d) Horizontal clearance measured from center line of track to obstruction. Yes No
- e) Type of foundation for Piers and Abutments (spread or on piles). Show existing and proposed. Yes No
- f) Wing-walls: show modification. Yes No
- g) Abutments: show modification. Yes No
- h) Vertical clearance to structure above bridge or Over-head lines. Yes No

4. APPROACH SECTIONS

- a) Section thru approach slab. Yes No
- b) Highway Section (thru street beyond approach slab). Yes No
- c) Show feature beyond sidewalk (embankment, building, etc.). Yes No
- d) 1/2 section proposed, 1/2 existing if similar, otherwise full sections required. Yes No
- e) Show depth of slab and pavement - proposed & existing. Yes No
- f) Lane widths and clearance to curbs. Yes No
- g) Sidewalk and roadway widths. Yes No
- h) Sidewalk approach slab -9" min. Yes No
- i) Curb heights. Yes No
- j) Are sidewalk cross slopes within ADA requirements-2% maximum? Yes No

5. MISCELLANEOUS:

- a) Section thru abutment showing approach slab & expansion Joint. Yes No
- b) Section thru pier. Yes No
- c) Elev. of wing-walls: show modification or repair. Yes No
- d) elev. of abutments: show modification or repair. Yes No
- e) Framing plans. Steel structures - indicate what is remaining, what is to be repaired and what is to be replaced. Yes No
- f) Major details for proposed seismic retrofit schemes. Yes No

6. **PROFILE**

- a) Existing legal grade. Yes No
- b) Stationing. Yes No
- c) Vertical curve data. Yes No
- d) Stopping sight distance. Yes No
- e) Grades: existing & proposed. Yes No
- f) Drainage: scuppers and/or catch basins required? Yes No
- g) Indicate where proposed meets existing. Yes No

7. **SCOPE OF WORK**

- a) Check to see that each deficient item reported in BRPR is on Preliminary Plans. Yes No
- b) Limits of work indicated. Yes No
- c) Reconstruction or replacement cost. Yes No
- d) Itemized scope of work write-up. Yes No
- e) Are the relocation and maintenance requirements of all utilities indicated for during construction? Yes No

8. **WORK ZONE TRAFFIC CONTROL- PLANS**

- a) Transition from normal lanes to restricted lanes. Yes No
- b) Location and limits of safety shape, barrels, cones, etc., as required. Is safety shape transitioned safely? Yes No
- c) Work area. Yes No
- d) Direction of travel. Yes No
- e) Lane widths on bridge & approaches. Yes No
- f) Is Design Sheet Piling required? Yes No
- g) Detour Plan. Yes No

9. WORK ZONE TRAFFIC CONTROL – SECTIONS

- a) Show different stages of construction, all dimensions of exist. superstructure, cut line. Yes No
- b) Temporary barrier, if required. Yes No
- c) Lane widths, sidewalk width Yes No
- d) Will utilities be a problem? Yes No
- e) Is Staging lanes consistent with utility installation? Yes No
- f) Pedestrian travel provided for? Is there access to property owners, homes and driveways? Yes No
- g) Is there enough room between existing and new construction? Yes No
- h) Fence off dangerous work area. Yes No

10. ELECTRICAL ITEMS

- a) Location of existing lighting standards & underpass luminaries (include type of lighting)... Yes No
- b) Location of existing electrical boxes, manholes and control cabinets. Yes No
- c) Location of existing utility company service point. Yes No
- d) Location of new lighting standards including L.P. material and height, bracket arm height & length, luminaire height Yes No
- e) Type & Wattage of luminaire to be used. Yes No
- f) Location, type & size of all new boxes, manholes & control cabinets. Yes No
- g) Location of new service point if required. Yes No
- h) Roadway and sidewalk illumination levels. Yes No

11. MOVABLE BRIDGES

- a) Location of all control stations, consoles, control cabinets, and monitoring devices. Yes No
- b) Location of service equipment, switchboards, lighting and power panels and motor control center. Include front panel layouts of equipment. Yes No
- c) Simplified wiring diagrams from service points to distribution panels, (For operational analysis) Include control devices. Yes No
- d) Location and identification of all equipment involved in vehicle, pedestrian and marine traffic control, including traffic gates, traffic signals, and navigation lights. Yes No
- e) Location and identification of electrical equipment involved in opening and closing bridges, including operator control desk, motors, end lifts, center latches, shear locks, limit switches and interlocks. Yes No
- f) Location of submarine cables in plan and elevation in channels and on piers. Include quantity and size conductors. Yes No

APPENDIX F

FIELD SURVEY REQUIREMENTS

The Engineer shall perform a field survey as per the New York State Department of Transportation “Land Surveying Standards and Procedures Manual”, “CADD Standards and Procedure Manual”, “New York City Specifications for the Preparation of Record Drawings and Electronic Format”.

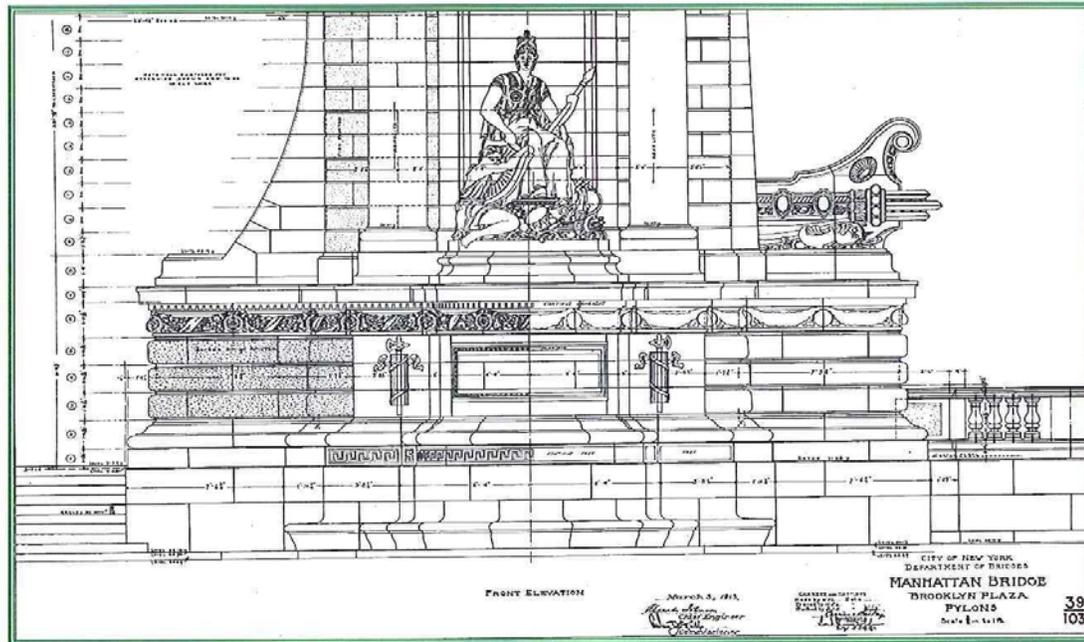
The Engineer shall submit the plotted survey to the Commissioner as per the Time of Completion Schedule Target Date A. The plotted survey drawings are considered as part of the Preliminary Plan Submission.

- a) The Engineer shall provide an up to date survey of the bridge and approaches in plan, profile and section. It shall include existing drainage and other appurtenances. The Engineer shall determine the actual sight distances on the highway approaches to the bridge.
- b) All underground facilities and existing utilities on the bridge and the approaches, including lamppost locations, shall be surveyed and said information shall be placed on the plans. The information shall include locations of public and private utilities, manholes, catch basins, etc. on the bridge and approaches.
- c) All vertical control elevations at streets, roads, etc. including horizontal and vertical clearances shall be shown.
- d) Information as required by the NYSDOT standard bridge data sheet for all bridges over water.
- e) A field of survey of all existing signs within the survey limits shall be made.
- f) The baseline and extent of survey shall extend to the survey limits specified in the Agreement.
- g) All ROW lines and property lines shall be shown.
- h) All bench marks shall be referenced to the datum of the U. S. Coast Guard and Geodetic Survey or the appropriate Borough datum, as required. Show survey baseline ties. Show all existing permanent survey monuments.
- i) The United States Customary System Units of measurement shall be used
- j) All survey drawings shall be made using the CAD system.
- k) In addition to the above, the survey submission shall be in accordance with the following requirements:

- 1) Plot profile at base line/centerline of roadway.
- 2) Plot profiles at property/or fence line, or combination thereof (both sides of roadway).
- 3) Plot profiles at curb line (both sides of roadway).
- 4) Locate and plot all legal grades/first floor.

Elevations/entrances/driveways/walkways/manholes/catch basins/ scuppers and sidewalk structures (with graphic plotting) directly on the appropriate profiles to scale.
- 5) Display sidewalk transverse slopes (i.e. 2%, 3%, 4%, 5%, 6%) with approved “field” type symbols(s).
- 6) Graphically show each building limit(s) with Lot/Block # and street address.
- 7) Plot cross sections at 33ft intervals on the structure and 66ft intervals on grade and at all entrances, PT’s, PI’s, PT (intersecting street), and BL (intersecting streets). The cross sections shall, minimally, be drawn from one property line to the opposite property line.
- 8) Provide a photo for each building/property including entrance(s) (5” x 7” color) together with the submission of the plotted survey drawings.
- 9) All ROW lines and property lines shall be dimensioned (and stationed) to the baseline.

**SPECIFICATIONS FOR THE
PREPARATION OF RECORD DRAWINGS
AND ELECTRONIC MEDIA**



SPECIFICATIONS

FOR THE PREPARATION OF RECORD
DRAWINGS AND ELECTRONIC MEDIA

NYC Department of Transportation
Division of Bridges
Bureau of Engineering Review & Support
55 Water Street, 5th Floor WS
New York, NY 10041
T: 212.839.4036 F: 212.839.4925
www.nyc.gov/dot

NOVEMBER 2009

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Attachments:

Flowchart: *Review and approval process for preparation of contractual records*

Drawing samples:

- A. Title Sheet format (for FAUS and State Funded Projects only)
- B. Title Sheet format (for City Funded Projects only)
- C. Title Sheet format for Combined Projects
- D. Contract or As-Built drawing format
- E. Shop drawing format

SECTION 1: REQUIREMENTS FOR THE PREPARATION OF RECORD DRAWINGS

1.1 INTRODUCTION

NYCDOT contract documents require that consultants and/or contractors (collectively referred to as the “Contractor”) submit the record project drawings (contract, as-built or shop drawings) in an electronic format at the end of the project. Therefore, these specifications (the “Requirements”) describe the drafting and electronic data standards which shall be used by the Contractor for the preparation of record drawings and digital media.

The Requirements shall supercede all previous specifications with respect to the preparation of record drawings and apply to all projects handled in-house at NYCDOT or by the Contractor.

1.2 FINAL SUBMITTALS AND REVIEW PROCESS

As per the NYCDOT contract requirements, the Contractor is responsible for the preparation and submission of paper copies of contract, final record as-built and/or shop drawings (the “Drawings”). The Contractor shall also be required to submit the Drawings to the NYCDOT, Division of Bridges – Record Management Section as follows:

A set of two (a master and one duplicate) CDs/DVDs containing:

- **one final set of the Drawings in AutoCAD format**
- **one continuous searchable multi-page file of the approved and signed Drawings in a format viewable by NYCDOT using software that it has available, such as Adobe Acrobat Reader.**
- **For Shop drawings the submission in AutoCAD format is optional.**

It is the responsibility of the Contractor to provide sample submissions to the NYCDOT for approval prior to the start of the Drawing preparation, which should include linework, lettering and formats. The attached flowchart entitled “Review and Approval Process” is provided to illustrate the submission process. The attached drawing samples are for reference purpose only. The Contractor shall include all appropriate information specific to the Project, which shall include up-to-date names and titles for the title sheet (such as the NYSDOT and NYCDOT, officials as required).

If the Contractor shall request any deviation from the Requirements, it shall be the Contractor’s responsibility to submit a sample drawing and obtain written approval from NYCDOT prior to the commencement of the Work.

All Drawings shall comply with the Requirements and must be clear and legible for subsequent reproduction by conventional methods.

1.3 GENERAL REQUIREMENTS

This section describes the drafting standards to be followed in the preparation of the Drawings for the NYCDOT.

Acceptance of the Drawings shall be at the sole discretion of the NYCDOT Division of Bridges – Records Management.

The Drawings shall be prepared in compliance with applicable A.N.S.I. (American National Standards Institute) / A.S.M.E. (American Society of Mechanical Engineers) / I.E.E.E. (Institute of Electrical and Electronic Engineers) standards, latest editions.

The standards to be used include, but are not limited to, the following:

Y14.1 Decimal Inch Drawing Sheet Size and Format (2005 or latest)

Y14.2 Line Conventions and Lettering (2003 or latest)

Y14.38 Abbreviations and Acronyms (2007 or latest)

The Contractor shall also consult the NYS DOT “Highway Design Manual” CADD Standards and Procedures, latest revision as applicable.

1.4 DRAWING FORMAT

Standard size for the Drawings sheets shall be 34" x 22" in U.S. customary units (865mm x 560mm), including the margins. This drawing size shall have the designation "D".

The margin line shall be drawn 1/2" (15mm) from the top, bottom, and right hand edges and 2" (50 mm) from the left-hand edge to permit binding, resulting in a 31½" x 21" (800mm x 530mm) drafting area.

Space shall be reserved for the title, approval, certification and other blocks, and notes. Notes shall be grouped within one area on each of the Drawings. An area within the margins (working area) shall be reserved solely for an "Approval Stamp."

If the Contractor shall request any deviation from the Requirements, it shall be the Contractor's responsibility to submit a sample drawing and obtain written approval from NYCDOT prior to the commencement of the work.

Attachments A through E show the required formats for the individual types of Drawings.

1.5 LETTERING ON DRAWINGS

Lettering on the Drawings shall conform to the following requirement so that acceptable digital reproduction may be obtained:

- The letters/characters shall be at least 1/8" (3 mm) minimum height, uppercase, dense black, properly spaced block letters from the Sans Serif font family. Fine face, thin stroke characters shall not be used for lettering on engineering drawings (for example: Romans style font with 1/8" height and 1.000 width factor may be used). The same style font shall be consistently applied throughout the project. Multiple styles of font shall be avoided if possible. The lowercase font styles shall be reserved for special characters, charts etc.
- The equally-spaced text columns width shall be no more than 7" with 70 letters/characters or spaces per column and no more than 10 characters per inch are permitted (for example: three columns of 7" each with approximately 1" margins around each column shall be used for the general notes)

1.6 DRAFTING REQUIREMENTS

The Drawings shall be neatly drawn and clearly legible and shall comply with the following requirements:

- a) Widths of lines in format features (i.e. borderlines, margins, principal block outlines, block divisions, tables, etc.) shall be in accordance with A.N.S.I./A.S.M.E. Y14.1 requirements.
- b) Abbreviations and symbols are permissible, and shall be used in accordance with the requirements and abbreviations listed in A.N.S.I./A.S.M.E. Y14.38, latest revision, and subject to the restrictions stated elsewhere in the Requirements. When non-standard abbreviations and symbols are used, the Contractor shall be responsible to provide an appropriate legend on each sheet where they are used.
- c) When an AutoCAD platform is used for the Drawings, only the latest version is to be utilized.

1.7 ASSIGNMENT OF MEDIA IDENTIFICATION NUMBER(S)

The NYCDOT Division of Bridges – Records Management shall assign project specific CD/DVD numbers upon the commencement of the Work. The Contractor shall request such identification numbers prior to the start of the preparation of the Drawings or in connection with the scanning of existing drawings. The identification number shall be placed below the contract number on a title sheet(s) or next to the contract number in a typical title box.

In the event that all of the required Drawings cannot be contained in a single CD, the Contractor shall provide the Drawings on DVD media. As a rule as-built or shop drawings shall be assigned the extensions to the contract's identification number (L22 for Contract Drawings, L22A for As-Built and L22B for Shop Drawings).

1.8 PREPARATION OF TITLE AND CERTIFICATION BLOCKS

TITLE BLOCK

The Drawings, except for the title sheet, shall include a title block arranged in accordance with applicable A.N.S.I./A.S.M.E. requirements. The title block and certification block shall conform to the form presented in Attachments A through E herein.

The title block shall contain, as a minimum, the following information:

- The Name of the Government Agency (i.e. City of New York, Department of Transportation, Division of Bridges)
- The Construction Contract Number
- The Project Name, Location, the B.I.N. and CD/DVD Number.
- Drawing Title
- Drawing Number
- Principal Scale or a clear indication that it is not to scale (N.T.S.)
- Date
- Sheet Number

CERTIFICATION BLOCK

In addition, the Drawings shall include the certification block with the name(s) of the contractor(s) and/ or the sub-contractor(s) preparing the drawings, and the name of the resident engineer. The certification block shall be placed over the approval section on the right side of the title sheet. The term "**RECORD AS-BUILT DRAWING**" or "**RECORD SHOP DRAWING**" shall be included in the block with lettering of 9/32" (minimum height), upper case in Sans Serif font style (e.g. Romans), bold and properly spaced.

The As-Built drawings shall display changes, if any, as appropriate in the following form:

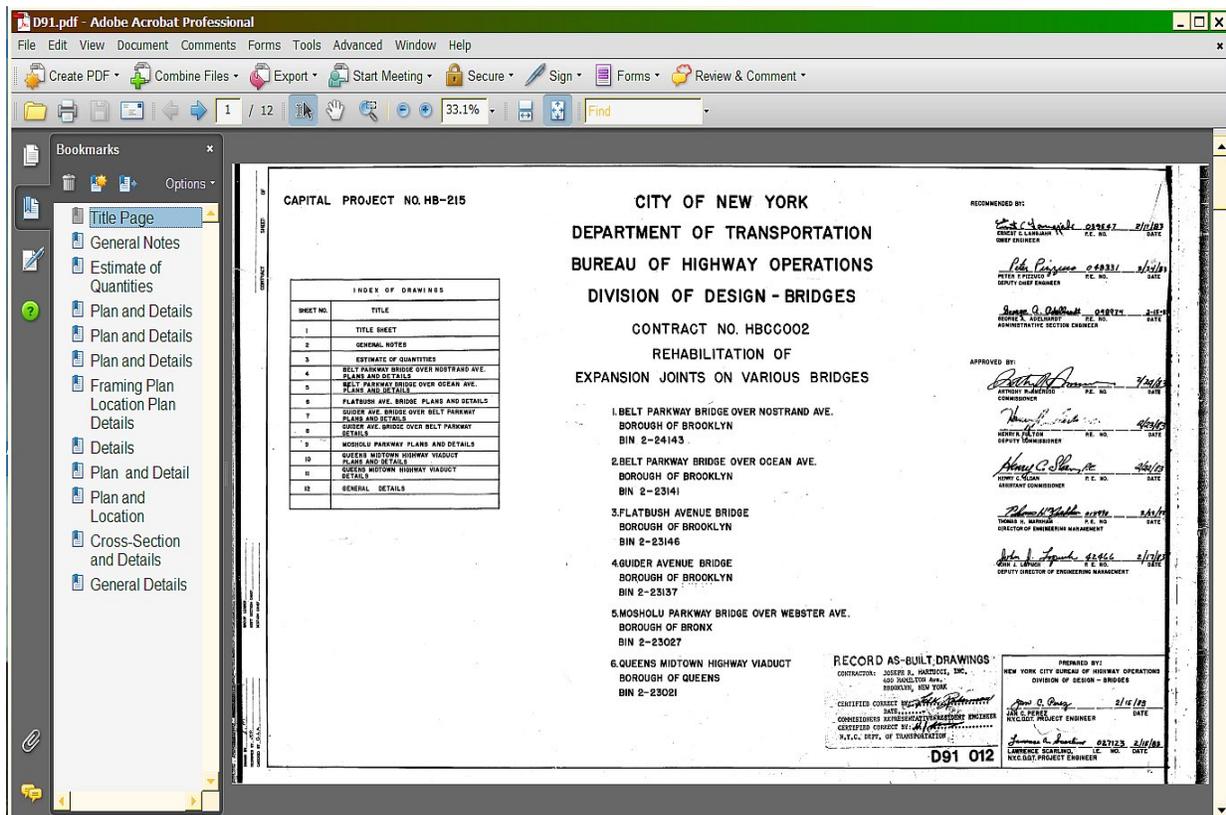
**"NO CHANGE FROM CONTRACT DRAWINGS" or
"Δ INDICATES CONTRACT CHANGE"**

Pursuant to the contract requirements, it shall be the responsibility of the Contractor to ensure that all above-mentioned requirements are followed. The Contractor shall be fully responsible for the proper, accurate and acceptable execution of the work, including the preparation and submission of the Drawings, and nothing contained herein shall relieve it of such responsibility.

SECTION 2: REQUIREMENTS FOR THE PREPARATION OF ELECTRONIC MEDIA

2.1 GENERAL REQUIREMENTS

This section describes the requirements for all electronic records to be prepared and submitted in connection with NYCDOT contracts. A set of two (a master and one duplicate) CDs/DVDs containing one final set of the Drawings in AutoCAD format and an electronic copy in pdf format (600 dpi resolution) as a continuous searchable indexed multi-page file of the approved and signed Drawings in a format viewable by NYCDOT using software available to it, such as Adobe Acrobat Reader. Each set of Drawings shall have indexed individual drawings with their respective titles in the Reader's Bookmarks Navigation Panel (see example below).



The image quality of the Drawings presented on the electronic media shall be of a quality acceptable to NYCDOT, Division of Bridges – Records Management; however, all scanned documents shall have a resolution of at least 600 dpi.

In all matters of conformance to the Requirements, the determination of acceptability of the Drawings shall be solely at the discretion of the NYCDOT Division of Bridges - Records Management and its decision shall be final.

2.2 SORTING OF IMAGES OF DRAWINGS FOR EXISTING CONTRACTS

In order to produce acceptable records for the existing or original drawings, all such scans shall be sorted and placed according to their respective Bridge Identification Number (BIN). In case of older contracts where the BIN system had not been utilized, the latest available data shall precede the drawing titles information (for example, Kosciuszko Br. over Newton Creek and BIN 1-07569, must be typed in the media folders, instead of “New Meeker Avenue Bridge” without a BIN obtained from the drawing’s title).

2.3 MEDIA DATABASE ORGANIZATION

The database name shall consist of the CD/DVD identification number. The folders shall be represented by the BIN and divided into subfolders carrying the Year and Contract Number label. All of the Drawings shall reside in the subfolders (see Fig.1). If the Year or Contract Number is not available, the term “NONE” shall be used.

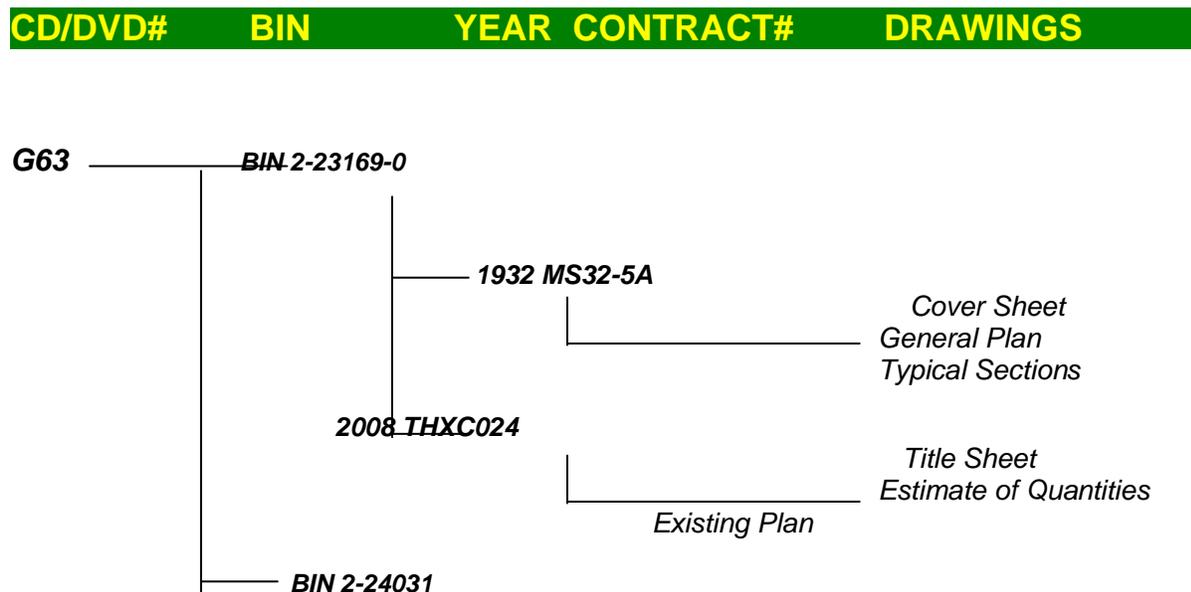


Figure 1. Database Organization

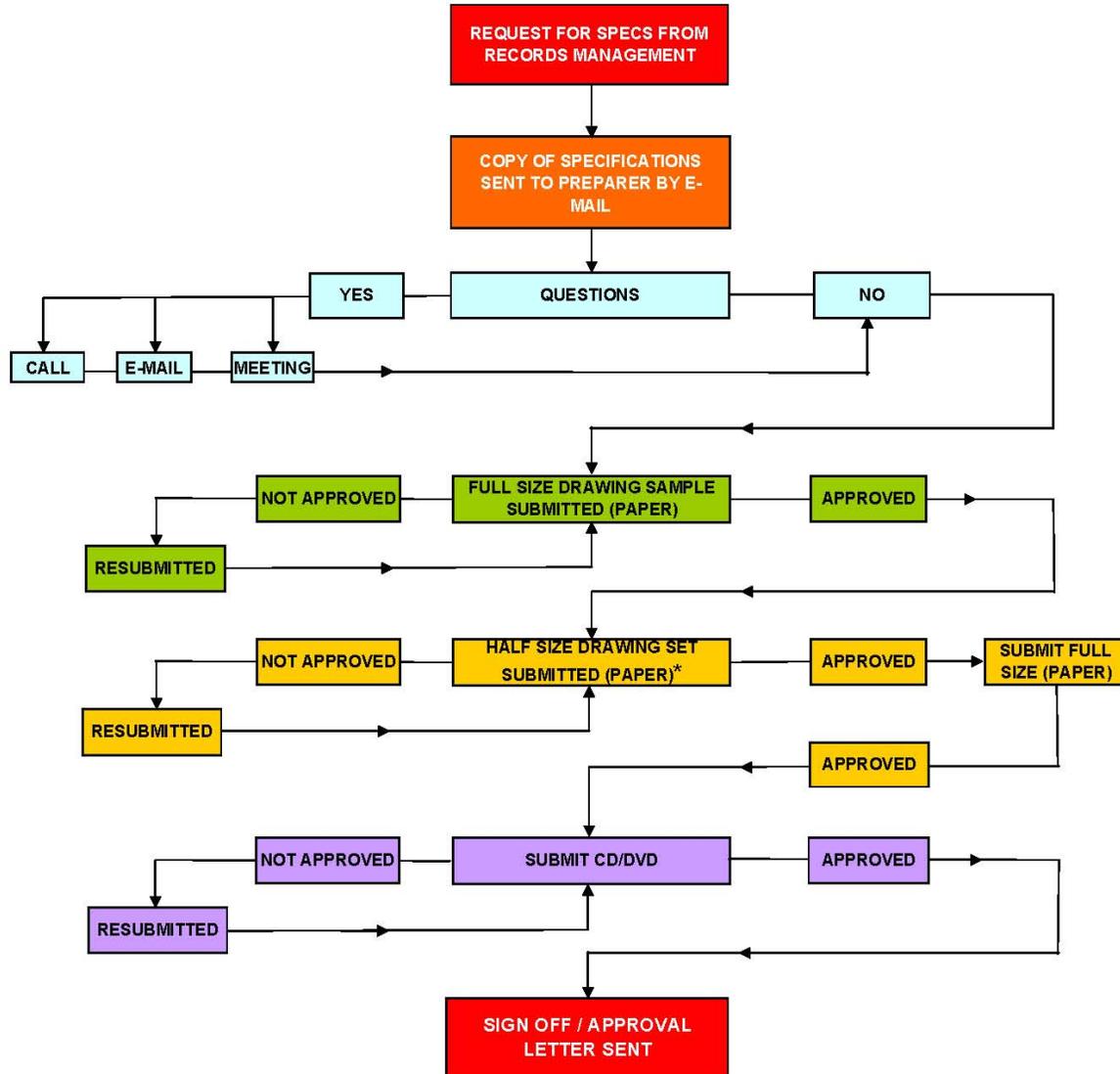
2.4 DISC PACKAGING

Pursuant to the Requirements, each CD/DVD shall be submitted to NYCDOT in a clear, slim case. The disc label shall be permanently affixed and shall include the Department's Name, BIN, Bridge Name, Contract Number, CD/DVD Identification Number, Name of the Contractor, and the Date as shown in Fig.2 below. The lettering shall be done in black, using a bolded San Serif font of size 10, where space allows.



Figure 2. Disc Label

REVIEW AND APPROVAL PROCESS FOR PREPARATION OF CONTRACTUAL RECORDS



**As-Built projects with large number of drawings are exempt from this submission*

TITLE SHEET FORMAT
 SIZE "D"
 ALL SAMPLES ARE NOT TO SCALE AND SHALL NOT BE USED TO GENERATE DRAWINGS
 THE INFORMATION SHOWN IS FOR REFERENCE ONLY

ATTACHMENT A
 (FOR FAUS AND STATE FUNDED
 PROJECTS ONLY)

1/2" (15 mm) 2" (50 mm) 5/8" min. (16 mm)	3/16" min. (5 mm) 1/8" min. (3 mm)	1/4" min. (6 mm)	3/8" (10 mm) min.	1/8" min. (3 mm) lettering	9/16" (14 mm) 3/8" (9 mm) 1" (25 mm)	1" (25 mm)	1/2" (15 mm)	
CITY OF NEW YORK DEPARTMENT OF TRANSPORTATION DIVISION OF BRIDGES	REPLACEMENT OF AMBOY ROAD BRIDGE OVER LEMON CREEK		BIN 2-26892-0 PIN 841955I399BR CONTRACT NO. HBRC007 CD NO. L21A FEDERAL AID PROJECT NO. 118-0371-104 BOROUGH OF STATEN ISLAND COUNCIL DISTRICT: 38 COMMUNITY BOARD: 7		(FOR FAUS AND STATE FUNDED PROJECTS ONLY) NEW YORK CITY MAINTENANCE NOTE THE DIVISION OF MAINTENANCE RESPONSIBILITY FOR THE BRIDGE AFTER THE COMPLETION OF THIS CONTRACT WILL REMAIN THE SAME AS THE DIVISION OF MAINTENANCE RESPONSIBILITY WHICH EXISTED BEFORE THIS CONTRACT. ALL EXISTING SANITARY AND OTHER SEWERS NOT DEEMED PART OF THE PROJECT BY THE NEW YORK CITY DEPARTMENT OF TRANSPORTATION COMMISSIONER, WATER SALES, HYDRANTS, AND OTHER MUNICIPALLY OR PRIVATELY OWNED FACILITIES WITHIN THE LIMITS OF THE RIGHT OF WAY WHICH REMAIN IN SERVICE UNCHANGED AND ALL SUCH FACILITIES RELOCATED OR PROJECTED AS PART OF THE WORK PERFORMED UNDER THE PROJECT WHETHER CROSSING LOCATED, WITHIN OR ADJACENT TO THE RIGHT OF WAY SHALL BE MAINTAINED AS THE CASE MAY BE BY THE MUNICIPALITY OR BY THE AGENCY OR UNIT HAVING CONTROL OR JURISDICTION THEREOF AT NO COST OR EXPENSE TO THE D.O.T. MAINTENANCE GUIDELINES FOR THE REHABILITATION WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THOSE CONTAINED IN THE AASHTO MANUAL.			
RECOMMENDED BY: NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 11 NAME _____ DATE _____ REGIONAL DIRECTOR NAME _____ DATE _____ DIRECTOR OF STRUCTURES	RECOMMENDED BY: NEW YORK CITY DEPARTMENT OF TRANSPORTATION DIVISION OF BRIDGES NAME _____ P.E. _____ DATE _____ DIRECTOR NAME _____ P.E. _____ DATE _____ ENGINEER-IN-CHARGE NAME _____ P.E. _____ DATE _____ PROJECT ENGINEER PREPARED BY: NAME OF CONSULTANT _____ NAME _____ P.E. _____ DATE _____ CONSULTANT		LOCATION PLAN N.T.S. 			APPROVED BY: JANETTE SADIK-KHAN _____ DATE _____ COMMISSIONER TORI ARDIJO _____ DATE _____ FIRST DEPUTY COMMISSIONER HENRY D. PERAHA, P.E. _____ DATE _____ DEPUTY COMMISSIONER/ CHIEF BRIDGE OFFICER JAY PATEL, P.E. / LAWRENCE S. KING, P.E. _____ DATE _____ DEPUTY CHIEF ENGINEER EAST RIVER/MOVABLE BRIDGES/ ROADWAY BRIDGES KAMAL KISHORE, P.E. _____ DATE _____ DEPUTY CHIEF ENGINEER ENGINEERING REVIEW & SUPPORT RUSSELL HOLCOMB, P.E. _____ DATE _____ DEPUTY CHIEF ENGINEER BRIDGE MAINTENANCE, INSPECTIONS AND OPERATIONS		
22" (560 mm)	4 1/4" (100 mm)		6 1/4"			1/2" (15 mm)		2"
34" (865 mm)								

RECORD AS-BUILT (SHOP) DRAWINGS

1. CONTRACTOR:
 ADDRESS: _____
 CERTIFIED CORRECT BY: _____ DATE: _____

2. COMMISSIONER'S REPRESENTATIVE: RESIDENT ENGINEER
 OR CONSTRUCTION SUPERVISION CONSULTANT
 ADDRESS: _____
 CERTIFIED CORRECT BY: _____ DATE: _____

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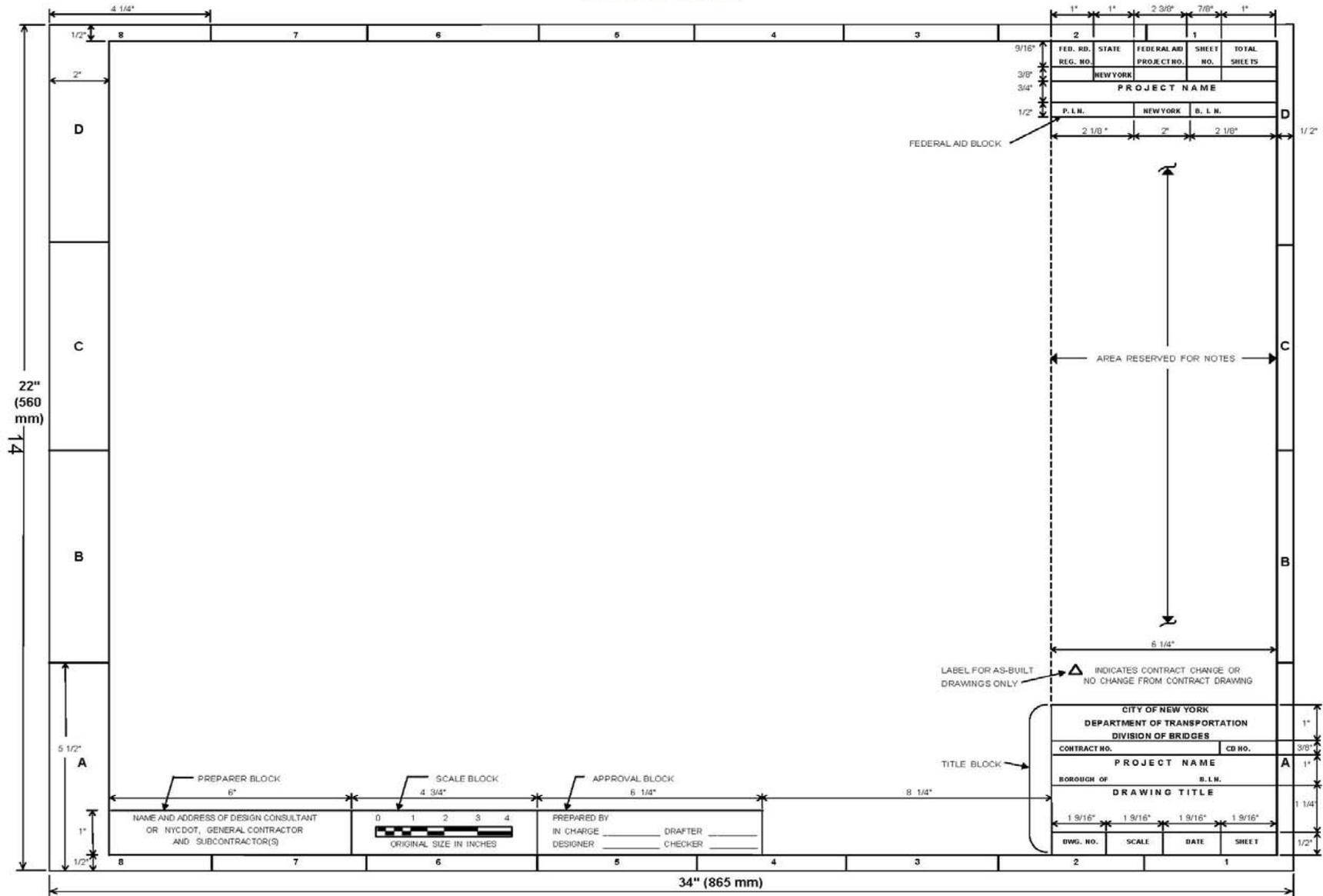
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 (FOR CITY FUNDED PROJECTS ONLY)

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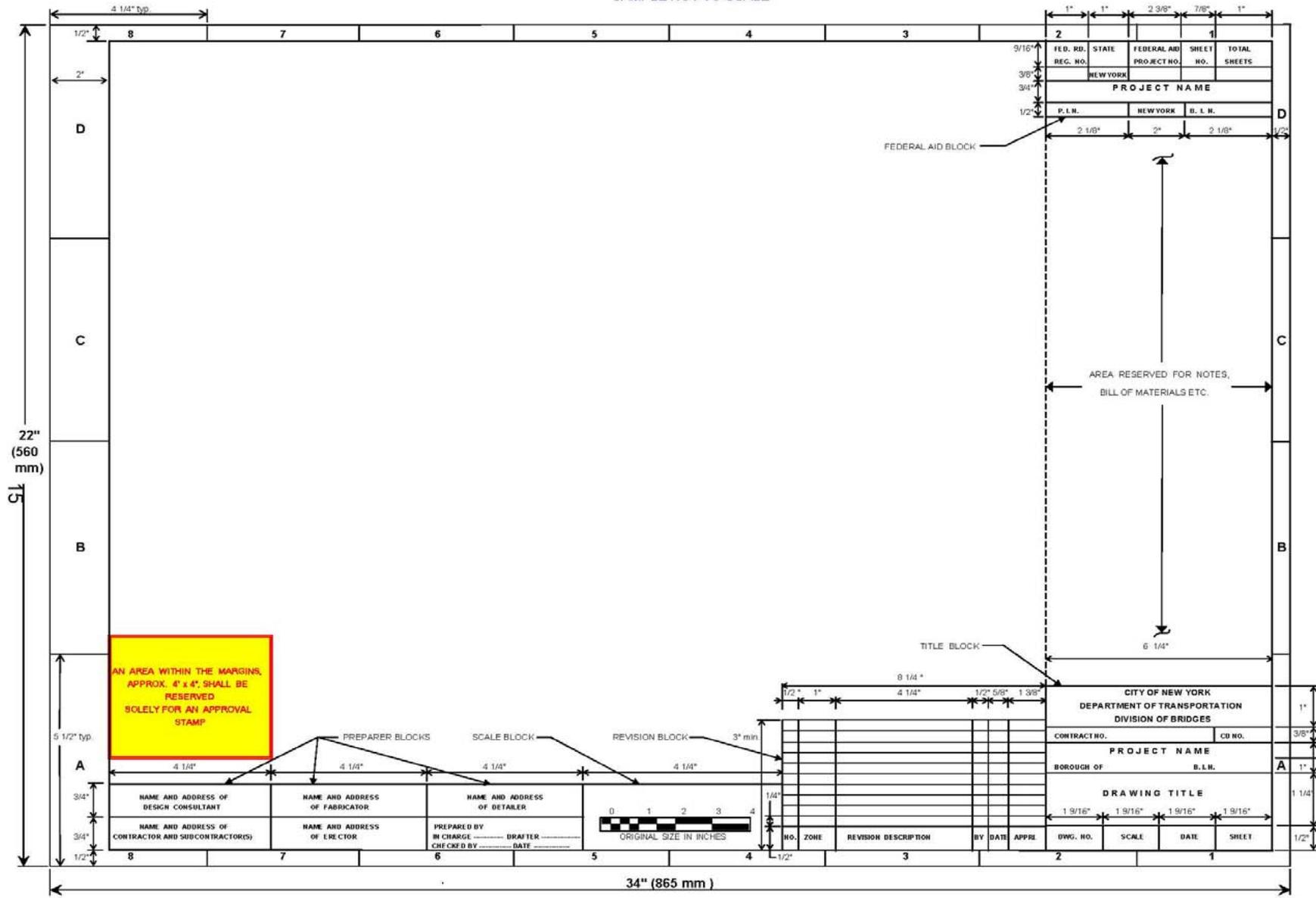
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ATTACHMENT D



SHOP DRAWING FORMAT
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SECTION VII

**B) GENERAL PROVISIONS - (APPENDIX A2)
APPENDIX A2, JULY 2010 FINAL
&
MACBRIDE PRINCIPLES PROVISIONS**

NOTICE TO VENDORS

Please be advised that in July 2010 the City of New York began using a revised Appendix A2 (General Provisions Governing Contracts For Consultants, Professional, Technical, Human And Client Services) for use by City agencies. The revised Appendix A2 contains a significant restructuring and changes to the text of many provisions throughout the document as well as the addition of many new provisions. It is important to review the revised Appendix A2 before executing your contract.

APPENDIX A2

**GENERAL PROVISIONS GOVERNING CONTRACTS FOR
CONSULTANTS, PROFESSIONAL, TECHNICAL, HUMAN AND CLIENT SERVICES**

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APPENDIX A2

**GENERAL PROVISIONS GOVERNING CONTRACTS FOR
CONSULTANTS, PROFESSIONAL, TECHNICAL, HUMAN AND CLIENT SERVICES**

ARTICLE 1 - DEFINITIONS

Section 1.01 Definitions

The following words and expressions, or pronouns used in their stead, shall, wherever they appear in this Agreement, be construed as follows, unless a different meaning is clear from the context:

A. "Agency Chief Contracting Officer" or "ACCO" shall mean the position delegated authority by the Agency Head to organize and supervise the procurement activity of subordinate Agency staff in conjunction with the City Chief Procurement Officer.

B. "Agreement" shall mean the various documents, including this Appendix A2, that constitute the contract between the Contractor and the City.

C. "City" shall mean The City of New York.

D. "City Chief Procurement Officer" or "CCPO" shall mean the position delegated authority by the Mayor to coordinate and oversee the procurement activity of Mayoral agency staff, including the ACCOs.

E. "Commissioner" or "Agency Head" shall mean the head of the Department or his or her duly authorized representative. The term "duly authorized representative" shall include any person or persons acting within the limits of his or her authority.

F. "Comptroller" shall mean the Comptroller of the City of New York.

G. "Contractor" shall mean the entity entering into this Agreement with the Department.

H. "Days" shall mean calendar days unless otherwise specifically noted to mean business days.

I. "Department" or "Agency" shall mean the City agency that has entered into this Agreement.

J. "Law" or "Laws" shall mean the New York City Charter ("Charter"), the New York City Administrative Code ("Admin. Code"), a local rule of the City of New York, the Constitutions of the United States and the State of New York, a statute of the United States or of the State of New York and any ordinance, rule or regulation having the force of law and adopted pursuant thereto, as amended, and common law.

K. "Procurement Policy Board" or "PPB" shall mean the board established pursuant to Charter § 311 whose function is to establish comprehensive and consistent procurement policies and rules which have broad application throughout the City.

L. "PPB Rules" shall mean the rules of the Procurement Policy Board as set forth in Title 9 of the Rules of the City of New York ("RCNY"), § 1-01 et seq.

M. "State" shall mean the State of New York.

ARTICLE 2 - REPRESENTATIONS AND WARRANTIES

Section 2.01 Procurement of Agreement

A. The Contractor represents and warrants that no person or entity (other than an officer, partner, or employee working solely for the Contractor) has been employed or retained to solicit or secure this Agreement upon any agreement or understanding for a commission, percentage, brokerage fee, contingent fee or any other direct or indirect compensation. Notwithstanding the preceding sentence, the Contractor may retain consultants to draft proposals, negotiate contracts, and perform other similar services. The Contractor further represents and warrants that no payment, gift, or thing of value has been made, given, or promised to obtain this or any other agreement between the parties. The Contractor makes such representations and warranties to induce the City to enter into this Agreement and the City relies upon such representations and warranties in the execution of this Agreement.

B. For any breach or violation of the representations and warranties set forth in Paragraph A above, the Commissioner shall have the right to annul this Agreement without liability, entitling the City to recover all monies paid to the Contractor; and the Contractor shall not make claim for, or be entitled to recover, any sum or sums due under this Agreement. The rights and remedies of the City provided in this Section are not exclusive and are in addition to all other rights and remedies allowed by Law or under this Agreement.

Section 2.02 Conflicts of Interest

A. The Contractor represents and warrants that neither it nor any of its directors, officers, members, partners or employees, has any interest nor shall they acquire any interest, directly or indirectly, which conflicts in any manner or degree with the performance of this Agreement. The Contractor further represents and warrants that no person having such interest or possible interest shall be employed by or connected with the Contractor in the performance of this Agreement.

B. Consistent with Charter § 2604 and other related provisions of the Charter, the Admin. Code and the New York State Penal Law, no elected official or other officer or employee of the City, nor any person whose salary is payable, in whole or in part, from the City Treasury, shall participate in any decision relating to this Agreement which affects his or her personal interest or the interest of any corporation, partnership or other entity in which he or she is, directly or indirectly, interested; nor shall any such official, officer, employee, or person have any interest in, or in the proceeds of, this Agreement. This Paragraph B shall not prevent directors, officers, members, partners, or employees of the Contractor from participating in decisions relating to this Agreement where their sole personal interest is in the Contractor.

C. The Contractor shall not employ a person or permit a person to serve as a member of the Board of Directors or as an officer of the Contractor if such employment or service would violate Chapter 68 of the Charter.

~~[PARAGRAPHS D-H ARE APPLICABLE ONLY TO HUMAN OR CLIENT SERVICE CONTRACTS.]~~

~~D.— Except as provided in Paragraph E below, the Contractor’s employees and members of their immediate families, as defined in Paragraph F below, may not serve on the Board of Directors of the Contractor (“Board”), or any committee with authority to order personnel actions affecting his or her job, or which, either by rule or by practice, regularly nominates, recommends or screens candidates for employment in the program to be operated pursuant to this Agreement.~~

~~E.— If the Board has more than five (5) members, then Contractor’s employees may serve on the Board, or any committee with authority to order personnel actions affecting his or her job, or which, either by rule or by practice, regularly nominates, recommends or screens candidates for employment in the program to be operated pursuant to this Agreement, provided that (i) Contractor’s employees are prohibited from voting on any such personnel matters, including but not limited to any matters directly affecting their own salary or other compensation, and shall fully disclose all conflicts and potential conflicts to the Board, and (ii) Contractor’s employees may not serve in the capacity either of Chairperson or Treasurer of the Board (or equivalent titles), nor constitute more than one third of either the Board or any such committee.~~

~~F.— Without the prior written consent of the Commissioner, no person may hold a job or position with the Contractor over which a member of his or her immediate family exercises any supervisory, managerial or other authority whatsoever whether such authority is reflected in a job title or otherwise, unless such job or position is wholly voluntary and unpaid. A member of an immediate family includes: husband, wife, domestic partner, father, father-in-law, mother, mother-in-law, brother, brother-in-law, sister, sister-in-law, son, son-in-law, daughter, daughter-in-law, niece, nephew, aunt, uncle, first cousin, and separated spouse. Where a member of an immediate family has that status because of that person’s relationship to a spouse (e.g., father-in-law), that status shall also apply to a relative of a domestic partner. For purposes of this Section, a member of the Board is deemed to exercise authority over all employees of the Contractor.~~

~~G.— If the Contractor has contracts with the City that in the aggregate during any twelve-month period have a value of more than One Million Dollars (\$1,000,000) and such amount constitutes more than fifty percent (50%) of the Contractor’s total revenues, then the Contractor must have a minimum of five (5) persons on its Board.~~

~~H.— Paragraphs D-H of this Section 2.02 apply only if Contractor is a not-for-profit corporation.~~

Section 2.03 Fair Practices

A. The Contractor and each person signing on its behalf certifies, under penalties of perjury, that to the best of its, his or her knowledge and belief:

1. The prices and other material terms set forth in this Agreement have been arrived at independently, without collusion, consultation, communication, or agreement with any other bidder or proposer or with any competitor as to any matter relating to such prices or terms for the purpose of restricting competition;

2. Unless otherwise required by Law or where a schedule of rates or prices is uniformly established by a government agency through regulation, policy or directive, the prices and other material terms set forth in this Agreement which have been quoted in this Agreement and on the bid or proposal submitted by the Contractor have not been knowingly disclosed by the Contractor, directly or indirectly, to any other bidder or proposer or to any competitor prior to the bid or proposal opening; and

3. No attempt has been made or will be made by the Contractor to induce any other person or entity to submit or not to submit a bid or proposal for the purpose of restricting competition.

B. The fact that the Contractor (i) has published price lists, rates, or tariffs covering items being procured, (ii) has informed prospective customers of proposed or pending publication of new or revised price lists for such items, or (iii) has sold the same items to other customers at the same prices and/or terms being bid or proposed, does not constitute, without more, a disclosure within the meaning of this Section.

Section 2.04 VENDEX

The Contractor represents and warrants that it and its principals have duly executed and filed all required VENDEX Questionnaires and, if applicable, Certificates of No Change, pursuant to PPB Rule § 2-08 and in accordance with the policies and procedures of the Mayor's Office of Contract Services. The Contractor understands that the Department's reliance upon the completeness and veracity of the information stated therein is a material condition to the execution of this Agreement, and represents and warrants that the information it and its principals have provided is accurate and complete.

Section 2.05 Political Activity

The Contractor's provision of services under this Agreement shall not include any partisan political activity or any activity to further the election or defeat of any candidate for public, political, or party office, nor shall any of the funds provided under this Agreement be used for such purposes.

Section 2.06 Religious Activity

There shall be no religious worship, instruction or proselytizing as part of or in connection with the Contractor's provision of services under this Agreement, nor shall any of the funds provided under this Agreement be used for such purposes.

Section 2.07 Unlawful Discriminatory Practices: Admin. Code § 6-123

As required by Admin. Code § 6-123, the Contractor will not engage in any unlawful discriminatory practice as defined in and pursuant to the terms of Title 8 of the City Administrative Code. The Contractor shall include a provision in any agreement with a first-level subcontractor performing services under this Agreement for an amount in excess of Fifty Thousand Dollars (\$50,000) that such subcontractor shall not engage in any such unlawful discriminatory practice.

Section 2.08 Bankruptcy and Reorganization

In the event that the Contractor files for bankruptcy or reorganization under Chapter Seven or Chapter Eleven of the United States Bankruptcy Code, the Contractor shall disclose such action to the Department within seven (7) days of filing.

ARTICLE 3 - ASSIGNMENT AND SUBCONTRACTING

Section 3.01 Assignment

A. The Contractor shall not assign, transfer, convey or otherwise dispose of this Agreement, or the right to execute it, or the right, title or interest in or to it or any part of it, or assign, by power of attorney or otherwise, any of the monies due or to become due under this Agreement, without the prior written consent of the Commissioner. The giving of any such consent to a particular assignment shall not dispense with the necessity of such consent to any further or other assignments. Any such assignment, transfer, conveyance or other disposition without such written consent shall be void.

B. Before entering into any such assignment, transfer, conveyance or other disposal of this Agreement, the Contractor shall submit a written request for approval to the Department giving the name and address of the proposed assignee. The proposed assignee's VENDEX questionnaire must be submitted within thirty (30) Days after the ACCO has granted preliminary written approval of the proposed assignee, if required. Upon the request of the Department, the Contractor shall provide any other information demonstrating that the proposed assignee has the necessary facilities, skill, integrity, past experience and financial resources to perform the specified services in accordance with the terms and conditions of this Agreement. The Agency shall make a final determination in writing approving or disapproving the assignee after receiving all requested information.

C. Failure to obtain the prior written consent to such an assignment, transfer, conveyance, or other disposition may result in the revocation and annulment of this Agreement, at the option of the Commissioner. The City shall thereupon be relieved and discharged from any further liability and obligation to the Contractor, its assignees, or transferees, who shall forfeit all monies earned under this Agreement, except so much as may be necessary to pay the Contractor's employees.

D. The provisions of this Section shall not hinder, prevent, or affect an assignment by the Contractor for the benefit of its creditors made pursuant to the Laws of the State.

E. This Agreement may be assigned, in whole or in part, by the City to any corporation, agency, or instrumentality having authority to accept such assignment. The City shall provide the Contractor with written notice of any such assignment.

Section 3.02 Subcontracting

A. The Contractor shall not enter into any subcontract for the performance of its obligations, in whole or in part, under this Agreement without the prior approval by the Department of the subcontractor. All subcontracts must be in writing.

B. Prior to entering into any subcontract for an amount greater than Five Thousand Dollars (\$5,000), the Contractor shall submit a written request for the approval of the proposed subcontractor to the Department giving the name and address of the proposed subcontractor and the portion of the services that it is to perform and furnish. At the request of the Department, a copy of the proposed subcontract shall be submitted to the Department. The proposed subcontractor's VENDEX Questionnaire must be submitted, if required, within thirty (30) Days after the ACCO has granted preliminary approval of the proposed subcontractor. Upon the request of the Department, the Contractor shall provide any other information demonstrating that the proposed subcontractor has the necessary facilities, skill, integrity, past experience and financial resources to perform the specified services in accordance with the terms and conditions of this Agreement. The Agency shall make a final determination in writing approving or disapproving the subcontractor after receiving all requested information. For proposed subcontracts that do not exceed Twenty-five Thousand Dollars (\$25,000), the Department's approval shall be deemed granted if the Department does not issue a written approval or disapproval within forty-five (45) Days of the Department's receipt of the written request for approval or, if applicable, within forty-five (45) Days of the Department's acknowledged receipt of fully completed VENDEX Questionnaires for the subcontractor.

C. All subcontracts shall contain provisions specifying that:

1. The work performed by the subcontractor must be in accordance with the terms of the agreement between the City and the Contractor;

2. Nothing contained in the agreement between the Contractor and the subcontractor shall impair the rights of the City;

3. Nothing contained in the agreement between the Contractor and the subcontractor, or under the agreement between the City and the Contractor, shall create any contractual relation between the subcontractor and the City; and

4. The subcontractor specifically agrees to be bound by Section 4.07 and Article 5 of this Appendix A2 and specifically agrees that the City may enforce such provisions directly against the subcontractor as if the City were a party to the subcontract.

D. The Contractor agrees that it is as fully responsible to the Department for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by such subcontractors as it is for the acts and omissions of any person directly employed by it.

E. For determining the value of a subcontract, all subcontracts with the same subcontractor shall be aggregated.

F. The Department may revoke the approval of a subcontractor granted or deemed granted pursuant to Paragraphs (A) and (B) of this section if revocation is deemed to be in the interest of the City in writing on no less than ten (10) Days notice unless a shorter period is warranted by considerations of health, safety, integrity issues or other similar factors. Upon the effective date of such revocation, the Contractor shall cause the subcontractor to cease all work under the Agreement. The City shall not incur any further obligation for services performed by such subcontractor pursuant to this Agreement beyond the effective date of the revocation. The City shall pay for services provided by the subcontractor in accordance with this Agreement prior to the effective date of revocation.

G. The Department's approval of a subcontractor shall not relieve the Contractor of any of its responsibilities, duties and liabilities under this Agreement. At the request of the Department, the Contractor shall provide the Department a copy of any subcontract.

H. Individual employer-employee contracts are not subcontracts subject to the requirements of this Section.

ARTICLE 4 - LABOR PROVISIONS

Section 4.01 Independent Contractor Status

The Contractor and the Department agree that the Contractor is an independent contractor and not an employee of the Department or the City. Accordingly, neither the Contractor nor its employees or agents will hold themselves out as, or claim to be, officers or employees of the City, or of any department, agency or unit of the City, by reason of this Agreement, and they will not, by reason of this Agreement, make any claim, demand or application to or for any right or benefit applicable to an officer or employee of the City, including, but not limited to, Workers' Compensation coverage, Disability Benefits coverage, Unemployment Insurance benefits, Social Security coverage or employee retirement membership or credit.

Section 4.02 Employees

All persons who are employed by the Contractor and all consultants or independent contractors who are retained by the Contractor to perform services under this Agreement are neither employees of the City nor under contract with the City. The Contractor, and not the City, is responsible for their work, direction, compensation, and personal conduct while engaged under this Agreement. Nothing in the Agreement shall impose any liability or duty on the City for the acts, omissions, liabilities or obligations of the Contractor, or any officer, employee, or agent of the Contractor, or for taxes of any nature, or for any right or benefit applicable to an officer or employee of the City, including, but not limited to, Workers' Compensation coverage, Disability Benefits coverage, Unemployment Insurance benefits, Social Security coverage or employee retirement membership or credit. Except as specifically stated in this Agreement, nothing in this Agreement shall impose any liability or duty on the City to any person or entity.

Section 4.03 Removal of Individuals Performing Work

The Contractor shall not have anyone perform work under this Agreement who is not competent, faithful and skilled in the work for which he or she shall be employed. Whenever the Commissioner shall inform the Contractor, in writing, that any individual is, in his or her opinion, incompetent, unfaithful, or unskilled, such individual shall no longer perform work under this Agreement. Prior to making a determination to direct a Contractor that an individual shall no longer perform work under this Agreement, the Commissioner shall provide the Contractor an opportunity to be heard on no less than five (5) Days' written notice. The Commissioner may direct the Contractor not to allow the individual from performing work under the Agreement pending the opportunity to be heard and the Commissioner's determination.

Section 4.04 Minimum Wage

Except for those employees whose minimum wage is required to be fixed pursuant to Sections 220 or 230 of the New York State Labor Law or by City Administrative Code § 6-109, all persons employed by the Contractor in the performance of this Agreement shall be paid, without subsequent deduction or rebate, unless expressly authorized by Law, not less than the minimum wage as prescribed by Law. Any breach of this Section shall be deemed a material breach of this Agreement.

Section 4.05 Non-Discrimination: New York State Labor Law § 220-e

A. If this Agreement is for the construction, alteration or repair of any public building or public work or for the manufacture, sale, or distribution of materials, equipment, or supplies, the Contractor agrees, as required by New York State Labor Law § 220-e, that:

1. In the hiring of employees for the performance of work under this Agreement or any subcontract hereunder, neither the Contractor, subcontractor, nor any person acting on behalf of such Contractor or subcontractor, shall by reason of race, creed, color, disability, sex or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates;

2. Neither the Contractor, subcontractor, nor any person on his or her behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this Agreement on account of race, creed, color, disability, sex or national origin;

3. There may be deducted from the amount payable to the Contractor by the City under this Agreement a penalty of Fifty Dollars (\$50) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this Agreement; and

4. This Agreement may be terminated by the City, and all monies due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this Section.

B. The provisions of this Section shall be limited to operations performed within the territorial limits of the State of New York.

Section 4.06 Non-Discrimination: Admin. Code § 6-108

If this Agreement is for the construction, alteration or repair of buildings or the construction or repair of streets or highways, or for the manufacture, sale, or distribution of materials, equipment or supplies, the Contractor agrees, as required by New York City Administrative Code § 6-108, that:

A. It shall be unlawful for any person engaged in the construction, alteration or repair of buildings or engaged in the construction or repair of streets or highways pursuant to a contract with the City or engaged in the manufacture, sale or distribution of materials, equipment or supplies pursuant to a contract with the City to refuse to employ or to refuse to continue in any employment any person on account of the race, color or creed of such person.

B. It shall be unlawful for any person or any servant, agent or employee of any person, described in Paragraph A above, to ask, indicate or transmit, orally or in writing, directly or indirectly, the race, color, creed or religious affiliation of any person employed or seeking employment from such person, firm or corporation.

C. Breach of the foregoing provisions shall be deemed a breach of a material provision of this Agreement.

D. Any person, or the employee, manager or owner of or officer of such firm or corporation who shall violate any of the provisions of this Section shall, upon conviction thereof, be punished by a fine of not more than One Hundred Dollars (\$100) or by imprisonment for not more than thirty (30) Days, or both.

Section 4.07 Non-Discrimination: E.O. 50 -- Equal Employment Opportunity

A. This Agreement is subject to the requirements of City Executive Order No. 50 (1980) ("E.O. 50"), as revised, and the rules set forth at 66 RCNY § 10-01 et seq. No agreement will be awarded unless and until these requirements have been complied with in their entirety. The Contractor agrees that it:

1. Will not discriminate unlawfully against any employee or applicant for employment because of race, creed, color, national origin, sex, age, disability, marital status, sexual orientation or citizenship status with respect to all employment decisions including, but not limited to, recruitment, hiring, upgrading, demotion, downgrading, transfer, training, rates of pay or other forms of compensation, layoff, termination, and all other terms and conditions of employment;

2. Will not discriminate unlawfully in the selection of subcontractors on the basis of the owners', partners' or shareholders' race, color, creed, national origin, sex, age, disability, marital status, sexual orientation, or citizenship status;

3. Will state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that all qualified applicants will receive consideration for employment without unlawful discrimination based on race, color, creed, national origin, sex, age, disability, marital status, sexual orientation or citizenship status, and that it is an equal employment opportunity employer;

4. Will send to each labor organization or representative of workers with which it has a collective bargaining agreement or other contract or memorandum of understanding, written notification of its equal employment opportunity commitments under E.O. 50 and the rules and regulations promulgated thereunder;

5. Will furnish before this Agreement is awarded all information and reports including an Employment Report which are required by E.O. 50, the rules and regulations promulgated thereunder, and orders of the City Department of Small Business Services, Division of Labor Services ("DLS"); and

6. Will permit DLS to have access to all relevant books, records, and accounts for the purposes of investigation to ascertain compliance with such rules, regulations, and orders.

B. The Contractor understands that in the event of its noncompliance with the nondiscrimination clauses of this Agreement or with any of such rules, regulations, or orders, such noncompliance shall constitute a material breach of this Agreement and noncompliance with E.O. 50 and the rules and regulations promulgated thereunder. After a hearing held pursuant to the rules of DLS, the Director of DLS may direct the Commissioner to impose any or all of the following sanctions:

1. Disapproval of the Contractor; and/or
2. Suspension or termination of the Agreement; and/or
3. Declaring the Contractor in default; and/or
4. In lieu of any of the foregoing sanctions, imposition of an employment program.

C. Failure to comply with E.O. 50 and the rules and regulations promulgated thereunder in one or more instances may result in the Department declaring the Contractor to be non-responsible.

D. The Contractor agrees to include the provisions of the foregoing Paragraphs in every subcontract or purchase order in excess of One Hundred Thousand Dollars (\$100,000) to which it becomes a party unless exempted by E.O. 50 and the rules and regulations promulgated thereunder, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as may be directed by the Director of DLS as a means of enforcing such provisions including sanctions for noncompliance. A supplier of unfinished products to the Contractor needed to produce the item contracted for shall not be considered a subcontractor or vendor for purposes of this Paragraph.

E. The Contractor further agrees that it will refrain from entering into any subcontract or modification thereof subject to E.O. 50 and the rules and regulations promulgated thereunder with a subcontractor who is not in compliance with the requirements of E.O. 50 and the rules and regulations promulgated thereunder. A supplier of unfinished products to the Contractor needed to produce the item contracted for shall not be considered a subcontractor for purposes of this Paragraph.

F. Nothing contained in this Section shall be construed to bar any religious or denominational institution or organization, or any organization operated for charitable or educational purposes, that is operated, supervised or controlled by or in connection with a religious organization, from lawfully limiting employment or lawfully giving preference to persons of the same religion or denomination or from lawfully making such selection as is calculated by such organization to promote the religious principles for which it is established or maintained.

ARTICLE 5 - RECORDS, AUDITS, REPORTS, AND INVESTIGATIONS

Section 5.01 Books and Records

The Contractor agrees to maintain separate and accurate books, records, documents and other evidence, and to utilize appropriate accounting procedures and practices, which sufficiently

and properly reflect all direct and indirect costs of any nature expended in the performance of this Agreement.

Section 5.02 Retention of Records

The Contractor agrees to retain all books, records, and other documents relevant to this Agreement, including those required pursuant to Section 5.01, for six years after the final payment or expiration or termination of this Agreement, or for a period otherwise prescribed by Law, whichever is later. In addition, if any litigation, claim, or audit concerning this Agreement has commenced before the expiration of the six-year period, the records must be retained until the completion of such litigation, claim, or audit. Any books, records and other documents that are created in an electronic format in the regular course of business may be retained in an electronic format. Any books, records, and other documents that are created in the regular course of business as a paper copy may be retained in an electronic format provided that the records satisfy the requirements of New York Civil Practice Law and Rules (“CPLR”) 4539(b), including the requirement that the reproduction is created in a manner “which does not permit additions, deletions, or changes without leaving a record of such additions, deletions, or changes.” Furthermore, the Contractor agrees to waive any objection to the admissibility of any such books, records or other documents on the grounds that such documents do not satisfy CPLR 4539(b).

Section 5.03 Inspection

A. At any time during the Agreement or during the record retention period set forth in section 5.02, the City, including the Department and the Department’s Office of the Inspector General, as well as City, State and federal auditors and any other persons duly authorized by the City shall, upon reasonable notice, have full access to and the right to examine and copy all books, records, and other documents maintained or retained by or on behalf of the Contractor pursuant to this Article. Notwithstanding any provision herein regarding notice of inspection, all books, records and other documents of the Contractor kept pursuant to this Agreement shall be subject to immediate inspection, review, and copying by the Department’s Office of the Inspector General and/or the Comptroller without prior notice and at no additional cost to the City. The Contractor shall make such books, records and other documents available for inspection in the City of New York or shall reimburse the City for expenses associated with the out-of-City inspection.

B. The Department shall have the right to have representatives of the Department or of the City, State or federal government present to observe the services being performed.

C. The Contractor shall not be entitled to final payment until the Contractor has complied with any request for inspection or access given under this Section.

Section 5.04 Audit

A. This Agreement and all books, records, documents, and other evidence required to be maintained or retained pursuant to this Agreement, including all vouchers or invoices presented for payment and the books, records, and other documents upon which such vouchers or invoices are based (e.g., reports, cancelled checks, accounts, and all other similar material), are

subject to audit by (i) the City, including the Comptroller, the Department, and the Department's Office of the Inspector General, (ii) the State, (iii) the federal government, and (iv) other persons duly authorized by the City. Such audits may include examination and review of the source and application of all funds whether from the City, the State, the federal government, private sources or otherwise.

B. Audits by the City, including the Comptroller, the Department, and the Department's Office of the Inspector General, are performed pursuant to the powers and responsibilities conferred by the Charter and the Admin. Code, as well as all orders, rules, and regulations promulgated pursuant to the Charter and Admin. Code.

C. The Contractor shall submit any and all documentation and justification in support of expenditures or fees under this Agreement as may be required by the Department and by the Comptroller in the exercise of his/her powers under Law.

D. The Contractor shall not be entitled to final payment until the Contractor has complied with the requirements of this Section.

Section 5.05 No Removal of Records from Premises

Where performance of this Agreement involves use by the Contractor of any City books, records, documents, or data (in hard copy, or electronic or other format now known or developed in the future) at City facilities or offices, the Contractor shall not remove any such data (in the format in which it originally existed, or in any other converted or derived format) from such facility or office without the prior written approval of the Department's designated official. Upon the request by the Department at any time during the Agreement or after the Agreement has expired or terminated, the Contractor shall return to the Department any City books, records, documents, or data that has been removed from City premises.

Section 5.06 Electronic Records

As used in this Appendix A2, the terms books, records, documents, and other data refer to electronic versions as well as hard copy versions.

Section 5.07 Investigations Clause

A. The Contractor agrees to cooperate fully and faithfully with any investigation, audit or inquiry conducted by a State or City agency or authority that is empowered directly or by designation to compel the attendance of witnesses and to examine witnesses under oath, or conducted by the Inspector General of a governmental agency that is a party in interest to the transaction, submitted bid, submitted proposal, contract, lease, permit, or license that is the subject of the investigation, audit or inquiry.

B. 1. If any person who has been advised that his or her statement, and any information from such statement, will not be used against him or her in any subsequent criminal proceeding refuses to testify before a grand jury or other governmental agency or authority empowered directly or by designation to compel the attendance of witnesses and to examine witnesses under oath concerning the award of or performance under any transaction, agreement, lease, permit, contract, or license entered into with the City, or State, or any political subdivision or public authority thereof, or the Port Authority of New York and New Jersey, or any local

development corporation within the City, or any public benefit corporation organized under the Laws of the State, or;

2. If any person refuses to testify for a reason other than the assertion of his or her privilege against self-incrimination in an investigation, audit or inquiry conducted by a City or State governmental agency or authority empowered directly or by designation to compel the attendance of witnesses and to take testimony under oath, or by the Inspector General of the governmental agency that is a party in interest in, and is seeking testimony concerning the award of, or performance under, any transaction, agreement, lease, permit, contract, or license entered into with the City, the State, or any political subdivision thereof or any local development corporation within the City, then;

C. 1. The Commissioner or Agency Head whose agency is a party in interest to the transaction, submitted bid, submitted proposal, contract, lease, permit, or license shall convene a hearing, upon not less than five (5) Days written notice to the parties involved to determine if any penalties should attach for the failure of a person to testify.

2. If any non-governmental party to the hearing requests an adjournment, the Commissioner or Agency Head who convened the hearing may, upon granting the adjournment, suspend any contract, lease, permit, or license pending the final determination pursuant to Paragraph E below without the City incurring any penalty or damages for delay or otherwise.

D. The penalties that may attach after a final determination by the Commissioner or Agency Head may include but shall not exceed:

1. The disqualification for a period not to exceed five (5) years from the date of an adverse determination for any person, or any entity of which such person was a member at the time the testimony was sought, from submitting bids for, or transacting business with, or entering into or obtaining any contract, lease, permit or license with or from the City; and/or

2. The cancellation or termination of any and all such existing City contracts, leases, permits or licenses that the refusal to testify concerns and that have not been assigned as permitted under this Agreement, nor the proceeds of which pledged, to an unaffiliated and unrelated institutional lender for fair value prior to the issuance of the notice scheduling the hearing, without the City incurring any penalty or damages on account of such cancellation or termination; monies lawfully due for goods delivered, work done, rentals, or fees accrued prior to the cancellation or termination shall be paid by the City.

E. The Commissioner or Agency Head shall consider and address in reaching his or her determination and in assessing an appropriate penalty the factors in Paragraphs (1) and (2) below. He or she may also consider, if relevant and appropriate, the criteria established in Paragraphs (3) and (4) below, in addition to any other information that may be relevant and appropriate:

1. The party's good faith endeavors or lack thereof to cooperate fully and faithfully with any governmental investigation or audit, including but not limited to the discipline, discharge, or disassociation of any person failing to testify, the production of accurate and complete books and records, and the forthcoming testimony of all other members, agents, assignees or fiduciaries whose testimony is sought.

2. The relationship of the person who refused to testify to any entity that is a party to the hearing, including, but not limited to, whether the person whose testimony is sought has an

ownership interest in the entity and/or the degree of authority and responsibility the person has within the entity.

3. The nexus of the testimony sought to the subject entity and its contracts, leases, permits or licenses with the City.

4. The effect a penalty may have on an unaffiliated and unrelated party or entity that has a significant interest in an entity subject to penalties under Paragraph D above, provided that the party or entity has given actual notice to the Commissioner or Agency Head upon the acquisition of the interest, or at the hearing called for in Paragraph (C)(1) above gives notice and proves that such interest was previously acquired. Under either circumstance, the party or entity must present evidence at the hearing demonstrating the potential adverse impact a penalty will have on such person or entity.

F. Definitions

1. The term “license” or “permit” as used in this Section shall be defined as a license, permit, franchise, or concession not granted as a matter of right.

2. The term “person” as used in this Section shall be defined as any natural person doing business alone or associated with another person or entity as a partner, director, officer, principal or employee.

3. The term “entity” as used in this Section shall be defined as any firm, partnership, corporation, association, or person that receives monies, benefits, licenses, leases, or permits from or through the City, or otherwise transacts business with the City.

4. The term “member” as used in this Section shall be defined as any person associated with another person or entity as a partner, director, officer, principal, or employee.

G. In addition to and notwithstanding any other provision of this Agreement, the Commissioner or Agency Head may in his or her sole discretion terminate this Agreement upon not less than three (3) Days written notice in the event the Contractor fails to promptly report in writing to the City Commissioner of Investigation any solicitation of money, goods, requests for future employment or other benefits or thing of value, by or on behalf of any employee of the City or other person or entity for any purpose that may be related to the procurement or obtaining of this Agreement by the Contractor, or affecting the performance of this Agreement.

Section 5.08 Confidentiality

A. The Contractor agrees to hold confidential, both during and after the completion or termination of this Agreement, all of the reports, information, or data, furnished to, or prepared, assembled or used by, the Contractor under this Agreement. The Contractor agrees that such reports, information, or data shall not be made available to any person or entity without the prior written approval of the Department. The Contractor agrees to maintain the confidentiality of such reports, information, or data by using a reasonable degree of care, and using at least the same degree of care that the Contractor uses to preserve the confidentiality of its own confidential information. In the event that the data contains social security numbers or other Personal Identifying Information, as such term is defined in Paragraph B of this Section, the Contractor shall utilize best practice methods (e.g., encryption of electronic records) to protect the confidentiality of such data. The obligation under this Section to hold reports, information or

data confidential shall not apply where the City would be required to disclose such reports, information or data pursuant to the State Freedom of Information Law (“FOIL”), provided that the Contractor provides advance notice to the City, in writing or by e-mail, that it intends to disclose such reports, information or data and the City does not inform the contractor, in writing or by e-mail, that such reports, information, or data are not subject to disclosure under FOIL.

B. The Contractor shall provide notice to the Department within three (3) days of the discovery by the Contractor of any breach of security, as defined in Admin. Code § 10-501(b), of any data, encrypted or otherwise, in use by the Contractor that contains social security numbers or other personal identifying information as defined in Admin. Code § 10-501 (“Personal Identifying Information”), where such breach of security arises out of the acts or omissions of the Contractor or its employees, subcontractors, or agents. Upon the discovery of such security breach, the Contractor shall take reasonable steps to remediate the cause or causes of such breach, and shall provide notice to the Department of such steps. In the event of such breach of security, without limiting any other right of the City, the City shall have the right to withhold further payments under this Agreement for the purpose of set-off in sufficient sums to cover the costs of notifications and/or other actions mandated by any Law, or administrative or judicial order, to address the breach, and including any fines or disallowances imposed by the State or federal government as a result of the disclosure. The City shall also have the right to withhold further payments hereunder for the purpose of set-off in sufficient sums to cover the costs of credit monitoring services for the victims of such a breach of security by a national credit reporting agency, and/or any other commercially reasonable preventive measure. The Department shall provide the Contractor with written notice and an opportunity to comment on such measures prior to implementation. Alternatively, at the City’s discretion, or if monies remaining to be earned or paid under this Agreement are insufficient to cover the costs detailed above, the Contractor shall pay directly for the costs, detailed above, if any.

C. The Contractor shall restrict access to confidential information to persons who have a legitimate work related purpose to access such information. The Contractor agrees that it will instruct its officers, employees, and agents to maintain the confidentiality of any and all information required to be kept confidential by this Agreement.

D. The Contractor, and its officers, employees, and agents shall notify the Department, at any time either during or after completion or termination of this Agreement, of any intended statement to the press or any intended issuing of any material for publication in any media of communication (print, news, television, radio, Internet, etc.) regarding the services provided or the data collected pursuant to this Agreement at least twenty-four (24) hours prior to any statement to the press or at least five (5) business Days prior to the submission of the material for publication, or such shorter periods as are reasonable under the circumstances. The Contractor may not issue any statement or submit any material for publication that includes confidential information as prohibited by this Section 5.08.

E. At the request of the Department, the Contractor shall return to the Department any and all confidential information in the possession of the Contractor or its subcontractors. If the Contractor or its subcontractors are legally required to retain any confidential information, the Contractor shall notify the Department in writing and set forth the confidential information that it intends to retain and the reasons why it is legally required to retain such information. The Contractor shall confer with the Department, in good faith, regarding any issues that arise from the Contractor retaining such confidential information. If the Department does not request such

information, or the Law does not require otherwise, such information shall be maintained in accordance with the requirements set forth in Section 5.02.

F. A breach of this Section shall constitute a material breach of this Agreement for which the Department may terminate this Agreement pursuant to Article 10. The Department reserves any and all other rights and remedies in the event of unauthorized disclosure.

ARTICLE 6 - COPYRIGHTS, PATENTS, INVENTIONS, AND ANTITRUST

Section 6.01 Copyrights

A. Any reports, documents, data, photographs, deliverables, and/or other materials produced pursuant to this Agreement, and any and all drafts and/or other preliminary materials in any format related to such items produced pursuant to this Agreement, shall upon their creation become the exclusive property of the City.

B. Any reports, documents, data, photographs, deliverables, and/or other materials provided pursuant to this Agreement (“Copyrightable Materials”) shall be considered “work-made-for-hire” within the meaning and purview of Section 101 of the United States Copyright Act, 17 U.S.C. § 101, and the City shall be the copyright owner thereof and of all aspects, elements and components thereof in which copyright protection might exist. To the extent that the Copyrightable Materials do not qualify as “work-made-for-hire,” the Contractor hereby irrevocably transfers, assigns and conveys exclusive copyright ownership in and to the Copyrightable Materials to the City, free and clear of any liens, claims, or other encumbrances. The Contractor shall retain no copyright or intellectual property interest in the Copyrightable Materials. The Copyrightable Materials shall be used by the Contractor for no purpose other than in the performance of this Agreement without the prior written permission of the City. The Department may grant the Contractor a license to use the Copyrightable Materials on such terms as determined by the Department and set forth in the license.

C. The Contractor acknowledges that the City may, in its sole discretion, register copyright in the Copyrightable Materials with the United States Copyright Office or any other government agency authorized to grant copyright registrations. The Contractor shall fully cooperate in this effort, and agrees to provide any and all documentation necessary to accomplish this.

D. The Contractor represents and warrants that the Copyrightable Materials: (i) are wholly original material not published elsewhere (except for material that is in the public domain); (ii) do not violate any copyright Law; (iii) do not constitute defamation or invasion of the right of privacy or publicity; and (iv) are not an infringement, of any kind, of the rights of any third party. To the extent that the Copyrightable Materials incorporate any non-original material, the Contractor has obtained all necessary permissions and clearances, in writing, for the use of such non-original material under this Agreement, copies of which shall be provided to the City upon execution of this Agreement.

E. If the services under this Agreement are supported by a federal grant of funds, the federal and State government reserves a royalty-free, non-exclusive irrevocable license to reproduce, publish, or otherwise use and to authorize others to use, for federal or State

government purposes, the copyright in any Copyrightable Materials developed under this Agreement.

F. If the Contractor publishes a work dealing with any aspect of performance under this Agreement, or with the results of such performance, the City shall have a royalty-free, non-exclusive irrevocable license to reproduce, publish, or otherwise use such work for City governmental purposes.

Section 6.02 Patents and Inventions

The Contractor shall promptly and fully report to the Department any discovery or invention arising out of or developed in the course of performance of this Agreement. If the services under this Agreement are supported by a federal grant of funds, the Contractor shall promptly and fully report to the federal government for the federal government to make a determination as to whether patent protection on such invention shall be sought and how the rights in the invention or discovery, including rights under any patent issued thereon, shall be disposed of and administered in order to protect the public interest.

Section 6.03 Pre-existing Rights

In no case shall Sections 6.01 and 6.02 apply to, or prevent the Contractor from asserting or protecting its rights in any discovery, invention, report, document, data, photograph, deliverable, or other material in connection with or produced pursuant to this Agreement that existed prior to or was developed or discovered independently from the activities directly related to this Agreement.

Section 6.04 Antitrust

The Contractor hereby assigns, sells, and transfers to the City all right, title and interest in and to any claims and causes of action arising under the antitrust laws of the State or of the United States relating to the particular goods or services procured by the City under this Agreement.

ARTICLE 7 - INSURANCE

Section 7.01 Agreement to Insure

The Contractor shall not commence performing services under this Agreement unless and until all insurance required by this Article is in effect, and shall ensure continuous insurance coverage in the manner, form, and limits required by this Article throughout the term of the Agreement.

Section 7.02 Commercial General Liability Insurance

A. The Contractor shall maintain Commercial General Liability Insurance covering the Contractor as Named Insured and the City as an Additional Insured in the amount of at least One Million Dollars (\$1,000,000) per occurrence. Such insurance shall protect the City and the Contractor from claims for property damage and/or bodily injury, including death that may arise

from any of the operations under this Agreement. Coverage under this insurance shall be at least as broad as that provided by the most recently issued Insurance Services Office (“ISO”) Form CG 0001, shall contain no exclusions other than as required by law or as approved by the Department, and shall be "occurrence" based rather than “claims-made.”

B. Such Commercial General Liability Insurance shall name the City, together with its officials and employees, as an Additional Insured with coverage at least as broad as the most recently issued ISO Form CG 20 10.

C. The Contractor shall ensure that each subcontractor adds the City, together with its officials and employees, as an Additional Insured under all Commercial General Liability Insurance policies obtained by a subcontractor covering work performed by such subcontractor under this Agreement with coverage at least as broad as the most recently issued ISO Form CG 20 26.

Section 7.03 Professional Liability Insurance

A. At the Department’s direction, if professional services are provided pursuant to this Agreement, the Contractor shall maintain and submit evidence of Professional Liability Insurance appropriate to the type(s) of such services to be provided under this Agreement in the amount of at least Three Million Dollars (\$3,000,000) per claim. The policy or policies shall include an endorsement to cover the liability assumed by the Contractor under this Agreement arising out of the negligent performance of professional services or caused by an error, omission or negligent act of the Contractor or anyone employed by the Contractor.

B. All subcontractors of the Contractor providing professional services under this Agreement for which Professional Liability Insurance is reasonably commercially available shall also maintain such insurance in the amount of at least One Million Dollars (\$1,000,000) per claim, and the Contractor shall provide to the Department, at the time of the request for subcontractor approval, evidence of such Professional Liability Insurance on forms acceptable to the Department.

C. Claims-made policies will be accepted for Professional Liability Insurance. All such policies shall have an extended reporting period option or automatic coverage of not less than two (2) years. If available as an option, the Contractor shall purchase extended reporting period coverage effective on cancellation or termination of such insurance unless a new policy is secured with a retroactive date, including at least the last policy year.

Section 7.04 Workers’ Compensation, Disability Benefits, and Employer’s Liability Insurance

The Contractor shall maintain, and ensure that each subcontractor maintains, Workers’ Compensation Insurance, Disability Benefits Insurance, and Employer’s Liability Insurance in accordance with the Laws of the State on behalf of, or with regard to, all employees providing services under this Agreement.

Section 7.05 Unemployment Insurance

To the extent required by Law, the Contractor shall provide Unemployment Insurance for its employees.

Section 7.06 Business Automobile Liability Insurance

A. If vehicles are used in the provision of services under this Agreement, then the Contractor shall maintain Business Automobile Liability insurance in the amount of at least One Million Dollars (\$1,000,000) each accident combined single limit for liability arising out of ownership, maintenance or use of any owned, non-owned, or hired vehicles to be used in connection with this Agreement. Coverage shall be at least as broad as ISO Form CA0001, ed. 10/01.

B. If vehicles are used for transporting hazardous materials, the Business Automobile Liability Insurance shall be endorsed to provide pollution liability broadened coverage for covered vehicles (endorsement CA 99 48) as well as proof of MCS-90.

Section 7.07 General Requirements for Insurance Coverage and Policies

A. All required insurance policies shall be maintained with companies that may lawfully issue the required policy and have an A.M. Best rating of at least A- / "VII" or a Standard and Poor's rating of at least A, unless prior written approval is obtained from the City Law Department.

B. All insurance policies shall be primary (and non-contributing) to any insurance or self-insurance maintained by the City.

C. The Contractor shall be solely responsible for the payment of all premiums for all required insurance policies and all deductibles or self-insured retentions to which such policies are subject, whether or not the City is an insured under the policy.

D. There shall be no self-insurance program with regard to any insurance required under this Article unless approved in writing by the Commissioner. Any such self-insurance program shall provide the City with all rights that would be provided by traditional insurance required under this Article, including but not limited to the defense obligations that insurers are required to undertake in liability policies.

E. The City's limits of coverage for all types of insurance required under this Article shall be the greater of (i) the minimum limits set forth in this Article or (ii) the limits provided to the Contractor as Named Insured under all primary, excess, and umbrella policies of that type of coverage.

F. All insurance policies required pursuant to Sections 7.02 and 7.03 shall contain the following endorsement: "This policy may not be cancelled, terminated, modified or changed for any reason other than non-payment unless thirty (30) Days prior written notice is sent by the Insurance Company to the Named Insured, the Commissioner [insert Agency], and to the New York City Comptroller, Attn: Office of Contract Administration, Municipal Building, One Centre Street, Room 1005, New York, New York 10007. For non-payment, at least ten (10) Days written notice must be provided."

Section 7.08 Proof of Insurance

A. For Workers' Compensation Insurance, Disability Benefits Insurance, and Employer's Liability Insurance, the Contractor shall file one of the following within ten (10) Days of award of this Agreement. ACORD forms are not acceptable proof of workers' compensation coverage.

1. C-105.2 Certificate of Workers' Compensation Insurance;
2. U-26.3 -- State Insurance Fund Certificate of Workers' Compensation Insurance;
3. Request for WC/DB Exemption (Form CE-200);
4. Equivalent or successor forms used by the New York State Workers' Compensation Board; or
5. Other proof of insurance in a form acceptable to the City.

B. For each policy required under this Agreement, except for Workers' Compensation Insurance, Disability Benefits Insurance, Employer's Liability Insurance, and Unemployment Insurance, the Contractor shall file a Certificate of Insurance with the Department within ten (10) Days of award of this Agreement. All Certificates of Insurance shall be (a) in a form acceptable to the City and certify the issuance and effectiveness of such policies of insurance, each with the specified minimum limits; and (b) accompanied by the endorsement in the Contractor's general liability policy by which the City has been made an additional insured pursuant to Section 7.02(B). All Certificate(s) of Insurance shall be accompanied by either a duly executed "Certification by Broker" in the form attached to this Appendix A2 or copies of all policies referenced in the Certificate of Insurance. If complete policies have not yet been issued, binders are acceptable, until such time as the complete policies have been issued, at which time such policies shall be submitted.

C. Certificates of Insurance confirming renewals of insurance shall be submitted to the Commissioner prior to the expiration date of coverage of policies required under this Article. Such Certificates of Insurance shall comply with the requirements of Section 7.08 (A) and Section 7.08(B), as applicable.

D. The Contractor shall provide the City with a copy of any policy required under this Article upon the demand for such policy by the Commissioner or the New York City Law Department.

E. Acceptance by the Commissioner of a certificate or a policy does not excuse the Contractor from maintaining policies consistent with all provisions of this Article (and ensuring that subcontractors maintain such policies) or from any liability arising from its failure to do so.

Section 7.09 Miscellaneous

A. Where notice of loss, damage, occurrence, accident, claim or suit is required under a policy maintained in accordance with this Article, the Contractor shall notify in writing all insurance carriers that issued potentially responsive policies of any such event relating to any operations under this Agreement (including notice to Commercial General Liability Insurance carriers for events relating to the Contractor's own employees) no later than twenty (20) Days after such event. Such notice shall expressly specify that "this notice is being given on behalf of

the City of New York as Additional Insured as well as the Named Insured.” Such notice shall also contain the following information: the number of the insurance policy, the name of the named insured, the date and location of the damage, occurrence, or accident, and the identity of the persons or things injured, damaged, or lost. The Contractor shall simultaneously send a copy of such notice to the City of New York c/o Insurance Claims Specialist, Affirmative Litigation Division, New York City Law Department, 100 Church Street, New York, New York 10007.

B. The Contractor’s failure to maintain any of the insurance required by this Article shall constitute a material breach of this Agreement. Such breach shall not be waived or otherwise excused by any action or inaction by the City at any time.

C. Insurance coverage in the minimum amounts required in this Article shall not relieve the Contractor or its subcontractors of any liability under this Agreement, nor shall it preclude the City from exercising any rights or taking such other actions as are available to it under any other provisions of this Agreement or Law.

D. The Contractor waives all rights against the City, including its officials and employees for any damages or losses that are covered under any insurance required under this Article (whether or not such insurance is actually procured or claims are paid thereunder) or any other insurance applicable to the operations of the Contractor and/or its subcontractors in the performance of this Agreement.

ARTICLE 8 - PROTECTION OF PERSONS AND PROPERTY AND INDEMNIFICATION

Section 8.01 Reasonable Precautions

The Contractor shall take all reasonable precautions to protect all persons and the property of the City and of others from damage, loss or injury resulting from the Contractor’s and/or its subcontractors’ operations under this Agreement.

Section 8.02 Protection of City Property

The Contractor assumes the risk of, and shall be responsible for, any loss or damage to City property, including property and equipment leased by the City, used in the performance of this Agreement, where such loss or damage is caused by any tortious act, or failure to comply with the provisions of this Agreement or of Law by the Contractor, its officers, employees, agents or subcontractors.

Section 8.03 Indemnification

The Contractor shall defend, indemnify and hold the City, its officers and employees harmless from any and all claims (even if the allegations of the lawsuit are without merit) or judgments for damages on account of any injuries or death to any person or damage to any property and from costs and expenses to which the City, its officers and employees may be subjected or which it may suffer or incur allegedly arising out of or in connection with any operations of the Contractor and/or its subcontractors to the extent resulting from any negligent act of commission or omission, any intentional tortious act, or failure to comply with the provisions of this Agreement or of the Laws. Insofar as the facts or Law relating to any claim

would preclude the City from being completely indemnified by the Contractor, the City shall be partially indemnified by the Contractor to the fullest extent permitted by Law.

Section 8.04 Infringement Indemnification

The Contractor shall defend, indemnify and hold the City harmless from any and all claims (even if the allegations of the lawsuit are without merit) or judgments for damages and from costs and expenses to which the City may be subject to or which it may suffer or incur allegedly arising out of or in connection with any infringement by the Contractor of any copyright, trade secrets, trademark or patent rights or any other property or personal right of any third party by the Contractor and/or its subcontractors in the performance of this Agreement. The Contractor shall defend, indemnify, and hold the City harmless regardless of whether or not the alleged infringement arises out of compliance with the Agreement's scope of services/scope of work. Insofar as the facts or Law relating to any claim would preclude the City from being completely indemnified by the Contractor, the City shall be partially indemnified by the Contractor to the fullest extent permitted by Law.

Section 8.05 Indemnification Obligations Not Limited By Insurance Obligation

The indemnification provisions set forth in this Article shall not be limited in any way by the Contractor's obligations to obtain and maintain insurance as provided in this Agreement.

Section 8.06 Actions By or Against Third Parties

A. In the event any claim is made or any action brought in any way relating to Agreement, other than an action between the City and the Contractor, the Contractor shall diligently render to the City without additional compensation all assistance which the City may reasonably require of the Contractor.

B. The Contractor shall report to the Department in writing within five (5) business Days of the initiation by or against the Contractor of any legal action or proceeding in connection with or relating to this Agreement.

Section 8.07 Withholding of Payments

A. In the event that any claim is made or any action is brought against the City for which the Contractor may be required to indemnify the City pursuant to this Agreement, the City shall have the right to withhold further payments under this Agreement for the purpose of set-off in sufficient sums to cover the said claim or action.

B. In the event that any City property is lost or damaged as set forth in Section 8.02, except for normal wear and tear, the City shall have the right to withhold further payments under this Agreement for the purpose of set-off in sufficient sums to cover such loss or damage.

C. The City shall not, however, impose a setoff in the event that an insurance company that provided liability insurance pursuant to Article 7 above has accepted the City's tender of the claim or action without a reservation of rights.

D. The Department may, at its option, withhold for purposes of set-off any monies due to the Contractor under this Agreement up to the amount of any disallowances or questioned

costs resulting from any audits of the Contractor or to the amount of any overpayment to the Contractor with regard to this Agreement.

E. The rights and remedies of the City provided for in this Section shall not be exclusive and are in addition to any other rights and remedies provided by Law or this Agreement.

Section 8.08 No Third Party Rights

The provisions of this Agreement shall not be deemed to create any right of action in favor of third parties against the Contractor or the City or their respective officers and employees.

ARTICLE 9 - CONTRACT CHANGES

Section 9.01 Contract Changes

Changes to this Agreement may be made only as duly authorized by the ACCO or his or her designee and in accordance with the PPB Rules. Any amendment or change to this Agreement shall not be valid unless made in writing and signed by authorized representatives of both parties. Contractors deviating from the requirements of this Agreement without a duly approved and executed change order document, or written contract modification or amendment, do so at their own risk.

Section 9.02 Changes Through Fault of Contractor

In the event that any change is required in the data, documents, deliverables, or other services to be provided under this Agreement because of negligence or error of the Contractor, no additional compensation shall be paid to the Contractor for making such change, and the Contractor is obligated to make such change without additional compensation.

ARTICLE 10 - TERMINATION, DEFAULT, AND REDUCTIONS IN FUNDING

Section 10.01 Termination by the City Without Cause

A. The City shall have the right to terminate this Agreement, in whole or in part, without cause, in accordance with the provisions of Section 10.05.

B. If the City terminates this Agreement pursuant to this Section, the following provisions apply. The City shall not incur or pay any further obligation pursuant to this Agreement beyond the termination date set by the City pursuant to Section 10.05. The City shall pay for services provided in accordance with this Agreement prior to the termination date. In addition, any obligation necessarily incurred by the Contractor on account of this Agreement prior to receipt of notice of termination and falling due after the termination date shall be paid by the City in accordance with the terms of this Agreement. In no event shall such obligation be construed as including any lease or other occupancy agreement, oral or written, entered into between the Contractor and its landlord.

Section 10.02 Reductions in Federal, State and/or City Funding

A. This Agreement is funded in whole or in part by funds secured from the federal, State and/or City governments. Should there be a reduction or discontinuance of such funds by action of the federal, State and/or City governments, the City shall have, in its sole discretion, the right to terminate this Agreement in whole or in part, or to reduce the funding and/or level of services of this Agreement caused by such action by the federal, State and/or City governments, including, in the case of the reduction option, but not limited to, the reduction or elimination of programs, services or service components; the reduction or elimination of contract-reimbursable staff or staff-hours, and corresponding reductions in the budget of this Agreement and in the total amount payable under this Agreement. Any reduction in funds pursuant to this Section shall be accompanied by an appropriate reduction in the services performed under this Agreement.

B. In the case of the reduction option referred to in Paragraph A, above, any such reduction shall be effective as of the date set forth in a written notice thereof to the Contractor, which shall be not less than thirty (30) Days from the date of such notice. Prior to sending such notice of reduction, the Department shall advise the Contractor that such option is being exercised and afford the Contractor an opportunity to make within seven (7) Days any suggestion(s) it may have as to which program(s), service(s), service component(s), staff or staff-hours might be reduced or eliminated, provided, however, that the Department shall not be bound to utilize any of the Contractor's suggestions and that the Department shall have sole discretion as to how to effectuate the reductions.

C. If the City reduces funding pursuant to this Section, the following provisions apply. The City shall pay for services provided in accordance with this Agreement prior to the reduction date. In addition, any obligation necessarily incurred by the Contractor on account of this Agreement prior to receipt of notice of reduction and falling due after the reduction date shall be paid by the City in accordance with the terms of this Agreement. In no event shall such obligation be construed as including any lease or other occupancy agreement, oral or written, entered into between the Contractor and its landlord.

D. To the extent that the reduction in public funds is a result of the State determining that the Contractor may receive medical assistance funds pursuant to title eleven of article five of the Social Services Law to fund the services contained within the scope of a program under this Agreement, then the notice and effective date provisions of this section shall not apply, and the Department may reduce such public funds authorized under this Agreement by informing the Contractor of the amount of the reduction and revising attachments to this agreement as appropriate.

Section 10.03 Contractor Default

A. The City shall have the right to declare the Contractor in default:

1. Upon a breach by the Contractor of a material term or condition of this Agreement, including unsatisfactory performance of the services;

2. Upon insolvency or the commencement of any proceeding by or against the Contractor, either voluntarily or involuntarily, under the Bankruptcy Code or relating to the insolvency, receivership, liquidation, or composition of the Contractor for the benefit of creditors;

3. If the Contractor refuses or fails to proceed with the services under the Agreement when and as directed by the Commissioner;

4. If the Contractor or any of its officers, directors, partners, five percent (5%) or greater shareholders, principals, or other employee or person substantially involved in its activities are indicted or convicted after execution of the Agreement under any state or federal law of any of the following:

a. a criminal offense incident to obtaining or attempting to obtain or performing a public or private contract;

b. fraud, embezzlement, theft, bribery, forgery, falsification, or destruction of records, or receiving stolen property;

c. a criminal violation of any state or federal antitrust law;

d. violation of the Racketeer Influence and Corrupt Organization Act, 18 U.S.C. § 1961 et seq., or the Mail Fraud Act, 18 U.S.C. § 1341 et seq., for acts in connection with the submission of bids or proposals for a public or private contract;

e. conspiracy to commit any act or omission that would constitute grounds for conviction or liability under any statute described in subparagraph (d) above; or

f. an offense indicating a lack of business integrity that seriously and directly affects responsibility as a City vendor.

5. If the Contractor or any of its officers, directors, partners, five percent (5%) or greater shareholders, principals, or other employee or person substantially involved in its activities are subject to a judgment of civil liability under any state or federal antitrust law for acts or omissions in connection with the submission of bids or proposals for a public or private contract; or

6. If the Contractor or any of its officers, directors, partners, five percent (5%) or greater shareholders, principals, or other employee or person substantially involved in its activities makes or causes to be made any false, deceptive, or fraudulent material statement, or fail to make a required material statement in any bid, proposal, or application for City or other government work.

B. The right to declare the Contractor in default shall be exercised by sending the Contractor a written notice of the conditions of default, signed by the Commissioner, setting forth the ground or grounds upon which such default is declared (“Notice to Cure”). The Contractor shall have ten (10) Days from receipt of the Notice to Cure or any longer period that is set forth in the Notice to Cure to cure the default. The Commissioner may temporarily suspend services under the Agreement pending the outcome of the default proceedings pursuant to this Section.

C. If the conditions set forth in the Notice to Cure are not cured within the period set forth in the Notice to Cure, the Commissioner may declare the Contractor in default pursuant to this Section. Before the Commissioner may exercise his or her right to declare the Contractor in default, the Commissioner shall give the Contractor an opportunity to be heard upon not less than five (5) business days notice. The Commissioner may, in his or her discretion, provide for such

opportunity to be in writing or in person. Such opportunity to be heard shall not occur prior to the end of the cure period but notice of such opportunity to be heard may be given prior to the end of the cure period and may be given contemporaneously with the Notice to Cure.

D. After the opportunity to be heard, the Commissioner may terminate the Agreement, in whole or in part, upon finding the Contractor in default pursuant to this Section, in accordance with the provisions of Section 10.05.

E. The Commissioner, after declaring the Contractor in default, may have the services under the Agreement completed by such means and in such manner, by contract with or without public letting, or otherwise, as he or she may deem advisable in accordance with applicable PPB Rules. After such completion, the Commissioner shall certify the expense incurred in such completion, which shall include the cost of re-letting. Should the expense of such completion, as certified by the Commissioner, exceed the total sum which would have been payable under the Agreement if it had been completed by the Contractor, any excess shall be promptly paid by the Contractor upon demand by the City. The excess expense of such completion, including any and all related and incidental costs, as so certified by the Commissioner, and any liquidated damages assessed against the Contractor, may be charged against and deducted out of monies earned by the Contractor.

Section 10.04 Force Majeure

A. For purposes of this Agreement, a force majeure event is an act or event beyond the control and without any fault or negligence of the Contractor (“Force Majeure Event”). Such events may include, but are not limited to, fire, flood, earthquake, storm or other natural disaster, civil commotion, war, terrorism, riot, and labor disputes not brought about by any act or omission of the Contractor.

B. In the event the Contractor cannot comply with the terms of the Agreement (including any failure by the Contractor to make progress in the performance of the services) because of a Force Majeure Event, then the Contractor may ask the Commissioner to excuse the nonperformance and/or terminate the Agreement. If the Commissioner, in his or her reasonable discretion, determines that the Contractor cannot comply with the terms of the Agreement because of a Force Majeure Event, then the Commissioner shall excuse the nonperformance and may terminate the Agreement. Such a termination shall be deemed to be without cause.

C. If the City terminates the Agreement pursuant to this Section, the following provisions apply. The City shall not incur or pay any further obligation pursuant to this Agreement beyond the termination date. The City shall pay for services provided in accordance with this Agreement prior to the termination date. Any obligation necessarily incurred by the Contractor on account of this Agreement prior to receipt of notice of termination and falling due after the termination date shall be paid by the City in accordance with the terms of this Agreement. In no event shall such obligation be construed as including any lease or other occupancy agreement, oral or written, entered into between the Contractor and its landlord.

Section 10.05 Procedures for Termination

A. The Department and/or the City shall give the Contractor written notice of any termination of this Agreement. Such notice shall specify the applicable provision(s) under which

the Agreement is terminated and the effective date of the termination. Except as otherwise provided in this Agreement, the notice shall comply with the provisions of this Section. For termination without cause, the effective date of the termination shall not be less than ten (10) Days from the date the notice is personally delivered, or fifteen (15) Days from the date the notice is either sent by certified mail, return receipt requested, or sent by fax and deposited in a post office box regularly maintained by the United States Postal Service in a postage pre-paid envelope. In the case of termination for default, the effective date of the termination shall be as set forth above for a termination without cause or such earlier date as the Commissioner may determine. If the City terminates the Agreement in part, the Contractor shall continue the performance of the Agreement to the extent not terminated.

B. Upon termination or expiration of this Agreement, the Contractor shall comply with the City close-out procedures, including but not limited to:

1. Accounting for and refunding to the Department, within forty-five (45) Days, any unexpended funds which have been advanced to the Contractor pursuant to this Agreement;

2. Furnishing within forty-five (45) Days an inventory to the Department of all equipment, appurtenances and property purchased through or provided under this Agreement and carrying out any Department or City directive concerning the disposition of such equipment, appurtenances and property;

3. Turning over to the Department or its designees all books, records, documents and material specifically relating to this Agreement that the Department has requested be turned over;

4. Submitting to the Department, within ninety (90) Days, a final statement and report relating to the Agreement. The report shall be made by a certified public accountant or a licensed public accountant; and

5. Providing reasonable assistance to the Department in the transition, if any, to a new contractor.

Section 10.06 Miscellaneous Provisions

A. The Commissioner, in addition to any other powers set forth in this Agreement or by operation of Law, may suspend, in whole or in part, any part of the services to be provided under this Agreement whenever in his or her judgment such suspension is required in the best interest of the City. If the Commissioner suspends this Agreement pursuant to this Section, the City shall not incur or pay any further obligation pursuant to this Agreement beyond the suspension date until such suspension is lifted. The City shall pay for services provided in accordance with this Agreement prior to the suspension date. In addition, any obligation necessarily incurred by the Contractor on account of this Agreement prior to receipt of notice of suspension and falling due during the suspension period shall be paid by the City in accordance with the terms of this Agreement.

B. Notwithstanding any other provisions of this Agreement, the Contractor shall not be relieved of liability to the City for damages sustained by the City by virtue of the Contractor's breach of the Agreement, and the City may withhold payments to the Contractor for the purpose of set-off in the amount of damages due to the City from the Contractor.

C. The rights and remedies of the City provided in this Article shall not be exclusive and are in addition to all other rights and remedies provided by Law or under this Agreement.

ARTICLE 11 - PROMPT PAYMENT AND ELECTRONIC FUNDS TRANSFER

Section 11.01 Prompt Payment

A. The prompt payment provisions of PPB Rule § 4-06 are applicable to payments made under this Agreement. The provisions generally require the payment to the Contractor of interest on payments made after the required payment date, as set forth in the PPB Rules.

B. The Contractor shall submit a proper invoice to receive payment, except where the Agreement provides that the Contractor will be paid at predetermined intervals without having to submit an invoice for each scheduled payment.

C. Determination of interest due will be made in accordance with the PPB Rules and the applicable rate of interest shall be the rate in effect at the time of payment.

Section 11.02 Electronic Funds Transfer

A. In accordance with Admin. Code § 6-107.1, the Contractor agrees to accept payments under this Agreement from the City by electronic funds transfer. An electronic funds transfer is any transfer of funds, other than a transaction originated by check, draft, or similar paper instrument, which is initiated through an electronic terminal, telephonic instrument or computer or magnetic tape so as to order, instruct, or authorize a financial institution to debit or credit an account. Prior to the first payment made under this Agreement, the Contractor shall designate one financial institution or other authorized payment agent and shall complete the "EFT Vendor Payment Enrollment Form" available from the Agency or at <http://www.nyc.gov/dof> in order to provide the commissioner of the Department of Finance with information necessary for the Contractor to receive electronic funds transfer payments through the designated financial institution or authorized payment agent. The crediting of the amount of a payment to the appropriate account on the books of a financial institution or other authorized payment agent designated by the Contractor shall constitute full satisfaction by the City for the amount of the payment under this Agreement. The account information supplied by the Contractor to facilitate the electronic funds transfer shall remain confidential to the fullest extent provided by Law.

B. The Agency Head may waive the application of the requirements of this Section to payments on contracts entered into pursuant to Charter § 315. In addition, the commissioner of the Department of Finance and the Comptroller may jointly issue standards pursuant to which the Agency may waive the requirements of this Section for payments in the following circumstances: (i) for individuals or classes of individuals for whom compliance imposes a hardship; (ii) for classifications or types of checks; or (iii) in other circumstances as may be necessary in the best interest of the City.

C. This Section is applicable to contracts valued at Twenty-Five Thousand Dollars (\$25,000) and above.

ARTICLE 12 - CLAIMS

Section 12.01 Choice of Law

This Agreement shall be deemed to be executed in the City and State of New York, regardless of the domicile of the Contractor, and shall be governed by and construed in accordance with the Laws of the State of New York (notwithstanding New York choice of law or conflict of law principles) and the Laws of the United States, where applicable.

Section 12.02 Jurisdiction and Venue

The parties agree that any and all claims asserted by or against the City arising under or related to this Agreement shall solely be heard and determined either in the courts of the United States located in the City or in the courts of the State located in the City and County of New York. The parties shall consent to the dismissal and/or transfer of any claims asserted in any other venue or forum to the proper venue or forum. If the Contractor initiates any action in breach of this Section, the Contractor shall be responsible for and shall promptly reimburse the City for any attorneys' fees incurred by the City in removing the action to a proper court consistent with this Section.

Section 12.03 Resolution of Disputes

A. Except as provided in Subparagraphs (A)(1) and (A)(2) below, all disputes between the City and the Contractor that arise under, or by virtue of, this Agreement shall be finally resolved in accordance with the provisions of this Section and PPB Rule § 4-09. This procedure shall be the exclusive means of resolving any such disputes.

1. This Section shall not apply to disputes concerning matters dealt with in other sections of the PPB Rules or to disputes involving patents, copyrights, trademarks, or trade secrets (as interpreted by the courts of New York State) relating to proprietary rights in computer software, or to termination other than for cause.

2. For construction and construction-related services this Section shall apply only to disputes about the scope of work delineated by the Agreement, the interpretation of Agreement documents, the amount to be paid for extra work or disputed work performed in connection with the Agreement, the conformity of the Contractor's work to the Agreement, and the acceptability and quality of the Contractor's work; such disputes arise when the City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head makes a determination with which the Contractor disagrees. For construction, this Section shall not apply to termination of the Agreement for cause or other than for cause.

B. All determinations required by this Section shall be clearly stated, with a reasoned explanation for the determination based on the information and evidence presented to the party making the determination. Failure to make such determination within the time required by this Section shall be deemed a non-determination without prejudice that will allow application to the next level.

C. During such time as any dispute is being presented, heard, and considered pursuant to this Section, the Agreement terms shall remain in full force and effect and, unless otherwise

directed by the ACCO or Engineer, the Contractor shall continue to perform work in accordance with the Agreement and as directed by the ACCO or City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head. Failure of the Contractor to continue the work as directed shall constitute a waiver by the Contractor of any and all claims being presented pursuant to this Section and a material breach of contract.

D. Presentation of Dispute to Agency Head.

1. Notice of Dispute and Agency Response. The Contractor shall present its dispute in writing (“Notice of Dispute”) to the Agency Head within the time specified herein, or, if no time is specified, within thirty (30) Days of receiving written notice of the determination or action that is the subject of the dispute. This notice requirement shall not be read to replace any other notice requirements contained in the Agreement. The Notice of Dispute shall include all the facts, evidence, documents, or other basis upon which the Contractor relies in support of its position, as well as a detailed computation demonstrating how any amount of money claimed by the Contractor in the dispute was arrived at. Within thirty (30) Days after receipt of the complete Notice of Dispute, the ACCO or, in the case of construction or construction-related services, the City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head, shall submit to the Agency Head all materials he or she deems pertinent to the dispute. Following initial submissions to the Agency Head, either party may demand of the other the production of any document or other material the demanding party believes may be relevant to the dispute. The requested party shall produce all relevant materials that are not otherwise protected by a legal privilege recognized by the courts of New York State. Any question of relevancy shall be determined by the Agency Head whose decision shall be final. Willful failure of the Contractor to produce any requested material whose relevancy the Contractor has not disputed, or whose relevancy has been affirmatively determined, shall constitute a waiver by the Contractor of its claim.

2. Agency Head Inquiry. The Agency Head shall examine the material and may, in his or her discretion, convene an informal conference with the Contractor and the ACCO and, in the case of construction or construction-related services, the City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head, to resolve the issue by mutual consent prior to reaching a determination. The Agency Head may seek such technical or other expertise as he or she shall deem appropriate, including the use of neutral mediators, and require any such additional material from either or both parties as he or she deems fit. The Agency Head’s ability to render, and the effect of, a decision hereunder shall not be impaired by any negotiations in connection with the dispute presented, whether or not the Agency Head participated therein. The Agency Head may or, at the request of any party to the dispute, shall compel the participation of any other contractor with a contract related to the work of this Agreement and that contractor shall be bound by the decision of the Agency Head. Any contractor thus brought into the dispute resolution proceeding shall have the same rights and obligations under this Section as the Contractor initiating the dispute.

3. Agency Head Determination. Within thirty (30) Days after the receipt of all materials and information, or such longer time as may be agreed to by the parties, the Agency Head shall make his or her determination and shall deliver or send a copy of such

determination to the Contractor and ACCO and, in the case of construction or construction-related services, the City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head, together with a statement concerning how the decision may be appealed.

4. Finality of Agency Head Decision. The Agency Head's decision shall be final and binding on all parties, unless presented to the Contract Dispute Resolution Board ("CDRB") pursuant to this Section. The City may not take a petition to the CDRB. However, should the Contractor take such a petition, the City may seek, and the CDRB may render, a determination less favorable to the Contractor and more favorable to the City than the decision of the Agency Head.

E. Presentation of Dispute to the Comptroller. Before any dispute may be brought by the Contractor to the CDRB, the Contractor must first present its claim to the Comptroller for his or her review, investigation, and possible adjustment.

1. Time, Form, and Content of Notice. Within thirty (30) Days of receipt of a decision by the Agency Head, the Contractor shall submit to the Comptroller and to the Agency Head a Notice of Claim regarding its dispute with the Agency. The Notice of Claim shall consist of (i) a brief statement of the substance of the dispute, the amount of money, if any, claimed and the reason(s) the Contractor contends the dispute was wrongly decided by the Agency Head; (ii) a copy of the decision of the Agency Head; and (iii) a copy of all materials submitted by the Contractor to the Agency, including the Notice of Dispute. The Contractor may not present to the Comptroller any material not presented to the Agency Head, except at the request of the Comptroller.

2. Agency Response. Within thirty (30) Days of receipt of the Notice of Claim, the Agency shall make available to the Comptroller a copy of all material submitted by the Agency to the Agency Head in connection with the dispute. The Agency may not present to the Comptroller any material not presented to the Agency Head, except at the request of the Comptroller.

3. Comptroller Investigation. The Comptroller may investigate the claim in dispute and, in the course of such investigation, may exercise all powers provided in Admin. Code §§ 7-201 and 7-203. In addition, the Comptroller may demand of either party, and such party shall provide, whatever additional material the Comptroller deems pertinent to the claim, including original business records of the Contractor. Willful failure of the Contractor to produce within fifteen (15) Days any material requested by the Comptroller shall constitute a waiver by the Contractor of its claim. The Comptroller may also schedule an informal conference to be attended by the Contractor, Agency representatives, and any other personnel desired by the Comptroller.

4. Opportunity of Comptroller to Compromise or Adjust Claim. The Comptroller shall have forty-five (45) Days from his or her receipt of all materials referred to in Paragraph (E)(3) above to investigate the disputed claim. The period for investigation and compromise may be further extended by agreement between the Contractor and the Comptroller, to a maximum of ninety (90) Days from the Comptroller's receipt of all the materials. The Contractor may not present its petition to the CDRB until the period for investigation and compromise delineated in this Paragraph has expired. In compromising

or adjusting any claim hereunder, the Comptroller may not revise or disregard the terms of the Agreement.

F. Contract Dispute Resolution Board. There shall be a Contract Dispute Resolution Board composed of:

1. the chief administrative law judge of the Office of Administrative Trials and Hearings (“OATH”) or his or her designated OATH administrative law judge, who shall act as chairperson, and may adopt operational procedures and issue such orders consistent with this Section as may be necessary in the execution of the CDRB’s functions, including, but not limited to, granting extensions of time to present or respond to submissions;

2. the City Chief Procurement Officer (“CCPO”) or his or her designee; any designee shall have the requisite background to consider and resolve the merits of the dispute and shall not have participated personally and substantially in the particular matter that is the subject of the dispute or report to anyone who so participated; and

3. a person with appropriate expertise who is not an employee of the City. This person shall be selected by the presiding administrative law judge from a prequalified panel of individuals, established, and administered by OATH, with appropriate background to act as decision-makers in a dispute. Such individuals may not have a contract or dispute with the City or be an officer or employee of any company or organization that does, or regularly represent persons, companies, or organizations having disputes with the City.

G. Petition to CDRB. In the event the claim has not been settled or adjusted by the Comptroller within the period provided in this Section, the Contractor, within thirty (30) Days thereafter, may petition the CDRB to review the Agency Head determination.

1. Form and Content of Petition by the Contractor. The Contractor shall present its dispute to the CDRB in the form of a petition, which shall include (i) a brief statement of the substance of the dispute, the amount of money, if any, claimed, and the reason(s) the Contractor contends that the dispute was wrongly decided by the Agency Head; (ii) a copy of the decision of the Agency Head; (iii) copies of all materials submitted by the Contractor to the Agency; (iv) a copy of the decision of the Comptroller, if any, and (v) copies of all correspondence with, and material submitted by the Contractor to, the Comptroller’s Office. The Contractor shall concurrently submit four complete sets of the petition: one to the Corporation Counsel (Attn: Commercial and Real Estate Litigation Division), and three to the CDRB at OATH’s offices, with proof of service on the Corporation Counsel. In addition, the Contractor shall submit a copy of the statement of the substance of the dispute, cited in (i) above, to both the Agency Head and the Comptroller.

2. Agency Response. Within thirty (30) Days of receipt of the petition by the Corporation Counsel, the Agency shall respond to the statement of the Contractor and make available to the CDRB all material it submitted to the Agency Head and Comptroller. Three complete copies of the Agency response shall be submitted to the CDRB at OATH’s offices and one to the Contractor. Extensions of time for submittal of

the Agency response shall be given as necessary upon a showing of good cause or, upon the consent of the parties, for an initial period of up to thirty (30) Days.

3. Further Proceedings. The CDRB shall permit the Contractor to present its case by submission of memoranda, briefs, and oral argument. The CDRB shall also permit the Agency to present its case in response to the Contractor by submission of memoranda, briefs, and oral argument. If requested by the Corporation Counsel, the Comptroller shall provide reasonable assistance in the preparation of the Agency's case. Neither the Contractor nor the Agency may support its case with any documentation or other material that was not considered by the Comptroller, unless requested by the CDRB. The CDRB, in its discretion, may seek such technical or other expert advice as it shall deem appropriate and may seek, on its own or upon application of a party, any such additional material from any party as it deems fit. The CDRB, in its discretion, may combine more than one dispute between the parties for concurrent resolution.

4. CDRB Determination. Within forty-five (45) Days of the conclusion of all submissions and oral arguments, the CDRB shall render a decision resolving the dispute. In an unusually complex case, the CDRB may render its decision in a longer period of time, not to exceed ninety (90) Days, and shall so advise the parties at the commencement of this period. The CDRB's decision must be consistent with the terms of this Agreement. Decisions of the CDRB shall only resolve matters before the CDRB and shall not have precedential effect with respect to matters not before the CDRB.

5. Notification of CDRB Decision. The CDRB shall send a copy of its decision to the Contractor, the ACCO, the Corporation Counsel, the Comptroller, the CCPO, and, in the case of construction or construction-related services, the City Engineer, City Resident Engineer, City Engineering Audit Officer, or other designee of the Agency Head. A decision in favor of the Contractor shall be subject to the prompt payment provisions of the PPB Rules. The required payment date shall be thirty (30) Days after the date the parties are formally notified of the CDRB's decision.

6. Finality of CDRB Decision. The CDRB's decision shall be final and binding on all parties. Any party may seek review of the CDRB's decision solely in the form of a challenge, filed within four months of the date of the CDRB's decision, in a court of competent jurisdiction of the State of New York, County of New York pursuant to Article 78 of the Civil Practice Law and Rules. Such review by the court shall be limited to the question of whether or not the CDRB's decision was made in violation of lawful procedure, was affected by an error of Law, or was arbitrary and capricious or an abuse of discretion. No evidence or information shall be introduced or relied upon in such proceeding that was not presented to the CDRB in accordance with PPB Rules § 4-09.

H. Any termination, cancellation, or alleged breach of the Agreement prior to or during the pendency of any proceedings pursuant to this Section shall not affect or impair the ability of the Agency Head or CDRB to make a binding and final decision pursuant to this Section.

Section 12.04 Claims and Actions

A. Any claim against the City or Department based on this Agreement or arising out of this Agreement that is not subject to dispute resolution under the PPB Rules or this Agreement

shall not be made or asserted in any legal proceeding, unless the Contractor shall have strictly complied with all requirements relating to the giving of notice and of information with respect to such claims as provided in this Agreement.

B. No action shall be instituted or maintained on any such claims unless such action shall be commenced within six (6) months after the date of filing with the Comptroller of the certificate for the final payment under this Agreement, or within six (6) months of the termination or expiration of this Agreement, or within six (6) months after the accrual of the cause of action, whichever first occurs.

Section 12.05 No Claim Against Officers, Agents or Employees

No claim shall be made by the Contractor against any officer, agent, or employee of the City in their personal capacity for, or on account of, anything done or omitted in connection with this Agreement.

Section 12.06 General Release

The acceptance by the Contractor or its assignees of the final payment under this Agreement, whether by check, wire transfer, or other means, and whether pursuant to invoice, voucher, judgment of any court of competent jurisdiction or any other administrative means, shall constitute and operate as a release of the City from any and all claims of and liability to the Contractor, of which the Contractor was aware or should reasonably have been aware, arising out of the performance of this Agreement based on actions of the City prior to such acceptance of final payment, excepting any disputes that are the subject of pending dispute resolution procedures.

Section 12.07 No Waiver

Waiver by either the Department or the Contractor of a breach of any provision of this Agreement shall not be deemed to be a waiver of any other or subsequent breach and shall not be construed to be a modification of the terms of the Agreement unless and until the same shall be agreed to in writing by the parties as set forth in Section 9.01.

ARTICLE 13 - APPLICABLE LAWS

Section 13.01 PPB Rules

This Agreement is subject to the PPB Rules. In the event of a conflict between the PPB Rules and a provision of this Agreement, the PPB Rules shall take precedence.

Section 13.02 All Legal Provisions Deemed Included

Each and every provision required by Law to be inserted in this Agreement is hereby deemed to be a part of this Agreement, whether actually inserted or not.

Section 13.03 Severability / Unlawful Provisions Deemed Stricken

If this Agreement contains any unlawful provision not an essential part of the Agreement and which shall not appear to have been a controlling or material inducement to the making of this Agreement, the unlawful provision shall be deemed of no effect and shall, upon notice by either party, be deemed stricken from the Agreement without affecting the binding force of the remainder.

Section 13.04 Compliance With Laws

The Contractor shall perform all services under this Agreement in accordance with all applicable Laws as are in effect at the time such services are performed.

Section 13.05 Americans with Disabilities Act (ADA)

A. This Agreement is subject to the provisions of Subtitle A of Title II of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12131 et seq. (“ADA”) and regulations promulgated pursuant thereto, see 28 CFR Part 35. The Contractor shall not discriminate against an individual with a disability, as defined in the ADA, in providing services, programs, or activities pursuant to this Agreement. If directed to do so by the Department to ensure the Contractor’s compliance with the ADA during the term of this Agreement, the Contractor shall prepare a plan (“Compliance Plan”) which lists its program site(s) and describes in detail, how it intends to make the services, programs and activities set forth in the scope of services herein readily accessible and usable by individuals with disabilities at such site(s). In the event that the program site is not readily accessible and usable by individuals with disabilities, contractor shall also include in the Compliance Plan, a description of reasonable alternative means and methods that result in making the services, programs or activities provided under this Agreement, readily accessible to and usable by individuals with disabilities, including but not limited to people with visual, auditory or mobility disabilities. The Contractor shall submit the Compliance Plan to the ACCO for review within ten (10) Days after being directed to do so and shall abide by the Compliance Plan and implement any action detailed in the Compliance Plan to make the services, programs, or activities accessible and usable by the disabled.

B. The Contractor’s failure to either submit a Compliance Plan as required herein or implement an approved Compliance Plan may be deemed a material breach of this Agreement and result in the City terminating this Agreement.

Section 13.06 Voter Registration

A. Participating Agencies. Pursuant to Charter § 1057-a, if this Agreement is with a participating City agency and the Contractor has regular contact with the public in the daily administration of its business, the Contractor must comply with the requirements of this Section. The participating City agencies are: the Administration for Children’s Services; the City Clerk; the Civilian Complaint Review Board; the Commission on Human Rights; Community Boards; the Department of Small Business Services; the Department of Citywide Administrative Services; the Department of Consumer Affairs; the Department of Correction; the Department of Environmental Protection; the Department of Finance; the Department of Health and Mental Health; the Department of Homeless Services; the Department of Housing Preservation and

Development; the Department of Parks and Recreation; the Department of Probation; the Taxi and Limousine Commission; the Department of Transportation; and the Department of Youth and Community Development.

B. Distribution of Voter Registration Forms. In accordance with Charter § 1057-a, the Contractor, if it has regular contact with the public in the daily administration of its business under this Agreement, hereby agrees as follows:

1. The Contractor shall provide and distribute voter registration forms to all persons together with written applications for services, renewal, or recertification for services and change of address relating to such services. Such voter registration forms shall be provided to the Contractor by the City. The Contractor should be prepared to provide forms written in Spanish or Chinese, and shall obtain a sufficient supply of such forms from the City.

2. The Contractor shall also include a voter registration form with any Contractor communication sent through the United States mail for the purpose of supplying clients with materials for application, renewal, or recertification for services and change of address relating to such services. If forms written in Spanish or Chinese are not provided in such mailing, the Contractor shall provide such forms upon the Department's request.

3. The Contractor shall, subject to approval by the Department, incorporate an opportunity to request a voter registration application into any application for services, renewal, or recertification for services and change of address relating to such services provided on computer terminals, the World Wide Web or the Internet. Any person indicating that they wish to be sent a voter registration form via computer terminals, the World Wide Web or the Internet shall be sent such a form by the Contractor or be directed, in a manner subject to approval by the Department, to a link on that system where such a form may be downloaded.

4. The Contractor shall, at the earliest practicable or next regularly scheduled printing of its own forms, subject to approval by the Department, physically incorporate the voter registration forms with its own application forms in a manner that permits the voter registration portion to be detached therefrom. Until such time when the Contractor amends its form, the Contractor should affix or include a postage-paid City Board of Elections voter registration form to or with its application, renewal, recertification, and change of address forms.

5. The Contractor shall prominently display in its public office, subject to approval by the Department, promotional materials designed and approved by the City or State Board of Elections.

6. For the purposes of Paragraph A of this Section, the word "Contractor" shall be deemed to include subcontractors having regular contact with the public in the daily administration of their business.

7. The provisions of Paragraph A of this Section shall not apply to services that must be provided to prevent actual or potential danger to life, health, or safety of any individual or of the public.

C. Assistance in Completing Voter Registration Forms. In accordance with Charter § 1057-a, the Contractor hereby agrees as follows:

1. In the event the Department provides assistance in completing distributed voter registration forms, the Contractor shall also provide such assistance, in the manner and to the extent specified by the Department.

2. In the event the Department receives and transmits completed registration forms from applicants who wish to have the forms transmitted to the City Board of Elections, the Contractor shall similarly provide such service, in the manner and to the extent specified by the Department.

3. If, in connection with the provision of services under this Agreement, the Contractor intends to provide assistance in completing distributed voter registration forms or to receive and transmit completed registration forms from applicants who wish to have the forms transmitted to the City Board of Elections, the Contractor shall do so only by prior arrangement with the Department.

4. The provision of Paragraph B services by the Contractor may be subject to Department protocols, including protocols regarding confidentiality.

D. Required Statements. In accordance with Charter § 1057-a, the Contractor hereby agrees as follows:

1. The Contractor shall advise all persons seeking voter registration forms and information, in writing together with other written materials provided by the Contractor or by appropriate publicity, that the Contractor's or government services are not conditioned on being registered to vote.

2. No statement shall be made and no action shall be taken by the Contractor or an employee of the Contractor to discourage an applicant from registering to vote or to encourage or discourage an applicant from enrolling in any particular political party.

3. The Contractor shall communicate to applicants that the completion of voter registration forms is voluntary.

4. The Contractor and the Contractor's employees shall not:

a. seek to influence an applicant's political preference or party designation;

b. display any political preference or party allegiance;

c. make any statement to an applicant or take any action the purpose or effect of which is to discourage the applicant from registering to vote; or

d. make any statement to an applicant or take any action the purpose or effect of which is to lead the applicant to believe that a decision to register or not to register has any bearing on the availability of services or benefits.

E. The Contractor, as defined above and in this Agreement, agrees that the covenants and representations in this Section are material conditions of this Agreement.

F. The provisions of this Section do not apply where the services under this Agreement are supported by a federal or State grant of funds and the source of funds prohibits the use of federal or State funds for the purposes of this Section.

Section 13.07 Participation in an International Boycott

A. The Contractor agrees that neither the Contractor nor any substantially-owned affiliated company is participating or shall participate in an international boycott in violation of the provisions of the federal Export Administration Act of 1979, as amended, 50 U.S.C. Appendix. §§ 2401 et seq., or the regulations of the United States Department of Commerce promulgated thereunder.

B. Upon the final determination by the Commerce Department or any other agency of the United States as to, or conviction of, the Contractor or a substantially-owned affiliated company thereof, of participation in an international boycott in violation of the provisions of the Export Administration Act of 1979, as amended, or the regulations promulgated thereunder, the Comptroller may, at his or her option, render forfeit and void this Agreement.

C. The Contractor shall comply in all respects, with the provisions of Admin. Code § 6-114 and the rules issued by the Comptroller thereunder.

Section 13.08 MacBride Principles

A. In accordance with and to the extent required by Admin. Code § 6-115.1, the Contractor stipulates that the Contractor and any individual or legal entity in which the Contractor holds a ten percent (10%) or greater ownership interest and any individual or legal entity that holds a ten percent (10%) or greater ownership interest in the Contractor either (a) have no business operations in Northern Ireland, or (b) shall take lawful steps in good faith to conduct any business operations they have in Northern Ireland in accordance with the MacBride Principles, and shall permit independent monitoring of their compliance with such principles.

B. The Contractor agrees that the covenants and representations in Paragraph A above are material conditions to this Agreement.

C. This Section does not apply if the Contractor is a not-for-profit corporation.

Section 13.09 Access to Public Health Insurance Coverage Information

A. Participating Agencies. Pursuant to Charter § 1069, if this Agreement is with a participating City agency and the Contractor is one to whom this Section applies as provided in Paragraph B of this Section, the Contractor hereby agrees to fulfill the obligations in Paragraph C of this Section. The participating City agencies are: the Administration for Children's Services; the City Clerk; the Commission on Human Rights; the Department for the Aging; the Department of Corrections; the Department of Homeless Services; the Department of Housing Preservation and Development; the Department of Juvenile Justice; the Department of Health and Mental Hygiene; the Department of Probation; the Department of Social Services/Human Resources Administration; the Taxi and Limousine Commission; the Department of Youth and Community Development; the Office to Combat Domestic Violence; and the Office of Immigrant Affairs.

B. Applicability to Certain Contractors. This Section shall be applicable to a Contractor operating pursuant to an Agreement which (i) is in excess of \$250,000 and (ii) requires such Contractor to supply individuals with a written application for, or written renewal or recertification of services, or request for change of address form in the daily administration of its

contractual obligation to such participating City agency. “Contractors” to whom this Section applies shall be deemed to include subcontractors if the subcontract requires the subcontractor to supply individuals with a written application for, or written renewal or recertification of services, or request for change of address form in the daily administration of the subcontractor’s contractual obligation.

C. Distribution of Public Health Insurance Pamphlet. In accordance with Charter § 1069, when the participating City agency supplies the Contractor with the public health insurance program options pamphlet published by the Department of Health and Mental Hygiene pursuant to Section 17-183 of the Admin. Code (hereinafter “pamphlet”), the Contractor hereby agrees as follows:

1. The Contractor will distribute the pamphlet to all persons requesting a written application for services, renewal or recertification of services or request for a change of address relating to the provision of services.
2. The Contractor will include a pamphlet with any Contractor communication sent through the United States mail for the purpose of supplying an individual with a written application for services, renewal or recertification of services or with a request for a change of address form relating to the provision of services.
3. The Contractor will provide an opportunity for an individual requesting a written application for services, renewal or recertification for services or change of address form relating to the provision of services via the Internet to request a pamphlet, and will provide such pamphlet by United States mail or an Internet address where such pamphlet may be viewed or downloaded, to any person who indicates via the Internet that they wish to be sent a pamphlet.
4. The Contractor will ensure that its employees do not make any statement to an applicant for services or client or take any action the purpose or effect of which is to lead the applicant or client to believe that a decision to request public health insurance or a pamphlet has any bearing on their eligibility to receive or the availability of services or benefits.
5. The Contractor will comply with: (i) any procedures established by the participating City agency to implement Charter §1069; (ii) any determination of the commissioner or head of the participating City agency (which is concurred in by the commissioner of the Department of Health and Mental Hygiene) to exclude a program, in whole or in part, from the requirements of Charter § 1069; and (iii) any determination of the commissioner or head of the participating City agency (which is concurred in by the commissioner of the Department of Health and Mental Hygiene) as to which Workforce Investment Act of 1998 offices providing workforce development services shall be required to fulfill the obligations under Charter § 1069.

D. Non-applicability to Certain Services. The provisions of this Section shall not apply to services that must be provided to prevent actual or potential danger to the life, health or safety of any individual or to the public.

ARTICLE 14 - MISCELLANEOUS PROVISIONS

Section 14.01 Conditions Precedent

A. This Agreement shall be neither binding nor effective unless and until it is registered pursuant to Charter § 328.

B. The requirements of this Section shall be in addition to, and not in lieu of, any approval or authorization otherwise required for this Agreement to be effective and for the expenditure of City funds.

Section 14.02 Merger

This written Agreement contains all the terms and conditions agreed upon by the parties, and no other agreement, oral or otherwise, regarding the subject matter of this Agreement shall be deemed to exist or to bind either of the parties, or to vary any of the terms contained in this Agreement, other than a written change, amendment or modification duly executed by both parties pursuant to Article 9 of this Appendix A2.

Section 14.03 Headings

Headings are inserted only as a matter of convenience and therefore are not a part of and do not affect the substance of this Agreement.

Section 14.04 Notice

A. The Contractor and the Department hereby designate the business addresses specified at the beginning of this Agreement as the places where all notices, directions, or communications from one such party to the other party shall be delivered, or to which they shall be mailed. Either party may change its notice address at any time by an instrument in writing executed and acknowledged by the party making such change and delivered to the other party in the manner as specified below.

B. Any notice, direction, or communication from either party to the other shall be in writing and shall be deemed to have been given when (i) delivered personally; (ii) sent by certified mail, return receipt requested; (iii) delivered by overnight or same day courier service in a properly addressed envelope with confirmation; or (iv) sent by fax or email and, unless receipt of the fax or e-mail is acknowledged by the recipient by fax or e-mail, deposited in a post office box regularly maintained by the United States Postal Service in a properly addressed, postage pre-paid envelope.

C. Nothing in this Section shall be deemed to serve as a waiver of any requirements for the service of notice or process in the institution of an action or proceeding as provided by Law, including the New York Civil Practice Law and Rules.

AFFIRMATION

The undersigned proposer or bidder affirms and declares that said proposer or bidder is not in arrears to the City of New York upon debt, contract or taxes and is not a defaulter, as surety or otherwise, upon obligation to the City of New York, and has not been declared not responsible, or disqualified, by any agency of the City of New York, nor is there any proceeding pending relating to the responsibility or qualification of the proposer or bidder to receive public contract except _____.

Full name of Proposer or Bidder *[below]* _____

Address _____

City _____ State _____ Zip Code _____

CHECK ONE BOX AND INCLUDE APPROPRIATE NUMBER:

- A - Individual or Sole Proprietorships

SOCIAL SECURITY NUMBER _____

- B - Partnership, Joint Venture or other unincorporated organization

EMPLOYER IDENTIFICATION NUMBER _____

- C - Corporation

EMPLOYER IDENTIFICATION NUMBER _____

By _____

Signature

Title

If a corporation place seal here

Must be signed by an officer or duly authorized representative.

1. * Under the Federal Privacy Act, the furnishing of Social Security numbers by bidders or proposers on City contracts is voluntary. Failure to provide a Social Security number will not result in a bidder's/proposer's disqualification. Social Security numbers will be used to identify bidders, proposers or vendors to ensure their compliance with laws, to assist the City in enforcement of laws, as well as to provide the City a means of identifying businesses seeking City contracts.

CERTIFICATION BY BROKER

[Pursuant to Article Seven of Appendix A2, every Certificate of Insurance must be accompanied by either the following certification by the broker setting forth the following text and required information and signatures or complete copies of all policies referenced in the Certificate of Insurance. In the absence of completed policies, binders are acceptable.]

CERTIFICATION BY BROKER

The undersigned insurance broker represents to the City of New York that the attached Certificate of Insurance is accurate in all material respects, and that the described insurance is effective as of the date of this Certification.

- 1) _____
- 2) [Name of broker (typewritten)]
- 3) _____
- 4) _____
- 5) [Address of broker (typewritten)]
- 6) _____
- 7) _____
- 8) [Signature of authorized officer of broker]
- 9) _____
- 10) _____
- 11) [Name of authorized officer (typewritten)]
- 12) _____
- 13) _____
- 14) [Title of authorized officer (typewritten)]
- 15) _____
- 16) _____
- 17) [Contact Phone Number for Broker (typewritten)]
- 18) _____
- 19) _____
- 20) [Email Address of Broker (typewritten)]
- 21) _____
- 22) _____
- 23) _____

Sworn to before me this

_____ day of _____, 201_

2. NOTARY PUBLIC

**MACBRIDE PRINCIPLES PROVISIONS
FOR NEW YORK CITY CONTACTORS
ARTICLE I. MACBRIDE PRINCIPLES
NOTICE TO ALL PROSPECTIVE CONTRACTORS**

Local Law No. 34 of 1991 became effective on September 10, 1991 and added Section 6-115.1 to the Administrative code of the City of New York. The local law provides for certain restrictions on City contracts to express the opposition of the people of the City of New York to employment discrimination practices in Northern Ireland and to encourage companies doing business in Northern Ireland and to promote freedom of workplace opportunity.

Pursuant to Section 6-115.1, prospective contractors for contracts to provide goods or services involving and expenditure of an amount greater than ten thousand dollars, or for construction involving an amount greater than fifteen thousand dollars, are asked to sign a rider in which they covenant and represent, as a material condition of their contract, that any business in Northern Ireland operations conducted by the contractor and any individual or legal entity in which the contractor holds a ten percent or greater ownership interest and any individual or legal entity that holds a ten percent or greater ownership interest in the contractor will be conducted in accordance with the MacBride Principles of nondiscrimination in employment.

Prospective contractors are not required to agree to these conditions. However, in the case of contracts let by competitive sealed bidding, whenever the lowest responsible bidder has not agreed to stipulate to the conditions set forth in this notice and another bidder who has agreed to stipulate to such conditions has submitted a bid within five percent of the lowest responsible bid for a contract to supply goods, services or construction of comparable quality, the contracting entity shall refer such bids to the Mayor, the Speaker or other officials, as appropriate, who may determine, in accordance with applicable law and rules, that it is in the best interest of the city that the contract be awarded to other than the lowest responsible bidder pursuant to Section 313(b) (2) of the City Charter.

In the case of contracts let by other than competitive sealed bidding, if a prospective contractor does not agree to these conditions, no agency, elected official or the Council shall award the contract to that bidder unless the entity seeking to use the goods, services or construction certifies in writing that the contract is necessary for the entity to perform its functions and there is no other responsible contractor who will supply goods, services or construction of comparable quality at a comparable price.

PART A

In accordance with Section 6-115.1 of the Administrative Code of the City of New York, the contractor stipulates that such contractor and any individual or legal entity in which the contractor holds a ten percent or greater ownership interest and any individual or legal entity that holds a ten percent or greater ownership interest in the contractor either (a) have no business operations in Northern Ireland, or (b) shall take lawful steps in good faith to conduct any business operations they have in Northern Ireland in accordance with the MacBride Principles, and shall permit independent monitoring of their compliance with such principles.

PART B

For purposes of this section, the following terms shall have the following meanings:

1. "MacBride Principles" shall mean those principles relating to nondiscrimination in employment and freedom of workplace opportunity which require employers doing business in Northern Ireland to:
 - (1) increase the representation of individuals from underrepresented religious groups in the work force, including managerial, supervisory, administrative, clerical and technical jobs;
 - (2) take steps to promote adequate security for the protection of employees from underrepresented religious groups both at the workplace and while traveling to and from work;

- (3) ban provocative religious or political emblems from the workplace;
- (4) Publicly advertise all job openings and make special recruitment efforts to attract applicants from underrepresented religious groups;
- (5) establish layoff, recall and termination procedures which do not in practice favor a particular religious group;
- (6) establish all job reservations, apprenticeship restrictions and different employment criteria which discriminate on the basis of religion;
- (7) develop training programs that will prepare substantial numbers of current employees from underrepresented religious groups for skilled jobs, including the expansion of existing programs and the creation of new programs to train, upgrade and improve the skills of workers from underrepresented religious groups;
- (8) establish procedures to assess, identify and actively recruit employees from underrepresented religious groups with potential for further advancement, and
- (9) appoint a senior management staff member to oversee affirmative action efforts and develop a timetable to ensure their full implementation.

The contractor agrees that the covenants and representations in Article I above are material conditions to this contract. In the event the contracting entity receives information that the contractor who made the stipulation required by this section is in violation thereof, the contracting entity shall review such information and give the contractor an opportunity to respond. If the contracting entity finds that a violation has occurred, the entity shall have the right to declare the contractor in default and/or terminate this contract for cause and procure the supplies, services or work from another source in any manner the entity deems proper. In the event of such termination, the contractor shall pay to the entity, or the entity in its sole discretion may withhold from any amounts otherwise payable to the contractor, the difference between the contract price for the uncompleted portion of this contract and the cost to the contracting entity of completing performance of the contract, either itself or by engaging another contractor or contractors. In the case of a requirements contract, the contractor shall be liable for such difference in price for the entire amount of supplies required by the contracting entity for the uncompleted term of its contract. In the case of a construction contract, the contracting entity shall also have the right to hold the contractor in partial or total default in accordance with the default provisions of the contract, and/or may seek debarment or suspension of the contractor. The rights and remedies of the entity hereunder shall be in addition to, and not in lieu of, any rights and remedies the entity has pursuant to this contract or by operation of law

(NO FURTHER TEXT ON THIS PAGE)

SECTION VII

C) PROCEDURAL FORMS PACKET

CONTENTS

- 1. FORM 1P - PROPOSAL COVER LETTER**
- 2. FORM 2P - ACKNOWLEDGEMENT OF ADDENDA**
- 3. FORM 3P - AFFIRMATION FORM**

Note: Please copy and use separate sheets for each subconsultant (if any).
Make copies of format sheets as needed

FORM 1P

PROPOSAL COVER LETTER

TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES FOR
REPLACEMENT OF BRUCKNER EXPRESSWAY OVER WESTCHESTER CREEK
(UNIONPORT BRIDGE)
BOROUGH OF THE BRONX

CONTRACT NO.: HBX1131

E-PIN: 84111M0005

PIN: 84111BXBR587

Proposer:

Name: _____

Address: _____

Tax Identification #: _____

Proposer's Contact Person:

Name: _____

Title: _____

Telephone #: _____ Fax #: _____ Email: _____

Proposer's Authorized Representative:

Name: _____

Title: _____

Telephone #: _____ Fax #: _____ Email: _____

Signature: _____ Date: _____

Is the response printed on both sides, on recycled paper containing the minimum percentage of recovered fiber content as requested by the City in the instructions to this solicitation?

Yes No

FORM - 2P

ACKNOWLEDGEMENT OF ADDENDA

RFP TITLE: _____

PIN: _____

Directions: Complete Part I or Part II, whichever is applicable, and sign your name in Part III.

Part I

Listed below are the dates of issue for each Addendum received in connection with this RFP:

Addendum # 1, Dated: _____

Addendum # 2, Dated _____

Addendum # 3, Dated _____

Addendum # 4, Dated _____

Addendum # 5, Dated _____

Addendum # 6, Dated _____

Addendum # 7, Dated _____

Addendum # 8, Dated _____

Addendum # 9, Dated _____

Addendum #10, Dated _____

Part II Acknowledgement of No Receipt

_____ No Addendum was received in connection with this RFP

Part III

Proposer's Name: _____

Proposer's Authorized Representative:

Name: _____

Title: _____

Signature: _____

Date: _____

SECTION VII

D) PROPOSAL FORMS PACKET

CONTENTS

1. FORM 1T - QUALITY & RELEVANCE OF PRIOR EXPERIENCE
(FIRM IN GENERAL)
2. FORM 2T - PROPOSED STAFF (RESUMES)/ EXPERIENCE
3. FORM 3T - OVERALL PROJECT UNDERSTANDING AND APPROACH
4. FORM 4T - JOB TITLES AND HOURS PROPOSED
5. FORM 5T - NYCDOT CURRENT WORKLOAD DISCLOSURE (2 PGS)
6. FORM 6T - DBE PARTICIPATION
7. FORM 330 - STANDARD FORM

**Note: Please copy and use separate sheets for each subconsultant (if any)
Principal's Time (if any) is charged direct without multiplier.
Make copies of format sheets as needed**

FORM 1T

QUALITY & RELEVANCE OF PRIOR EXPERIENCE (FIRM IN GENERAL)

E-PIN: 84111M0005
PIN: 84111BXBR587

PROJECT NAME: Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)

CONTRACT NO.: HBX1131

CONSULTANT: _____

PROFESSIONAL ENGINEERING/
ARCHITECTURAL SERVICES

OTHER/_____

DESCRIBE

QUALITY & RELEVANCE OF PRIOR EXPERIENCE – (FIRM IN GENERAL)

- 1) Proposer will include relevant experience in Bridge Total Design & Construction Support Services work in the last five (5) years. Proposer should consider work with City, State and Federal agencies; and demonstrated ability to complete these jobs in a timely fashion.
- 2) List all current and prior projects completed within the last five (5) years for Total Design & Construction Support Services. Specifically identify whether any of those projects involved a scope similar to the referenced contract. For each project, provide the following information:

- Description/Name of Project
- Dollar Value of Project
- Contract Term
- Contract Status
- Owner/Client
- Owner Project Manager
- Telephone No.
- Email

NYCDOT reserves the right to request data to verify information provided above.

- 3) Provide a discussion on the form's ability to retain its employees. Complete the attrition chart below:

Average attrition rate for past 3 calendar years:

Total number of technical employees as of August 1st of last year _____ . (a)
Number of technical employees who left firm during last calendar year _____ . (b)
Total number of technical employees as of August 1st of previous cal. year _____ . (c)
Number of technical employees who left firm during previous calendar year _____ . (d)
Total number of technical employees as of August 1st of 2nd previous cal. Year _____ . (e)
Number of technical employees who left firm during 2nd previous calendar year _____ . (f)

b/a = ____ (g) d/c = ____ (h) f/e = ____ (i)

Average attrition rate = (g+h+i) / 3 = ____.

NYCDOT reserves the right to request data to verify information provided in the attrition table.

FORM 2T

PROPOSED STAFF (RESUMES)/EXPERIENCE

E-PIN: 84111M0005
PIN: 84111BXR587

PROJECT NAME: Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)

CONTRACT NO.: HBX1131

CONSULTANT: _____

PROPOSED STAFF:

1. Provide an organization chart for staffing this project and attach resumes of all key personnel including any sub-consultants. The chart must provide the key personnel proposed titles/roles for this project.

2. Provide a description of all relevant experience for key personnel (including any sub consultants).

Specifically identify any current or prior key personnel experience with City, state and /or federal project.

In each of the project descriptions, identify the owner/client, project manager, project engineer/resident engineers, the construction dollar value and the start date.

Explain how past assignments of key personnel relate to their proposed assignments on this project.

3. State the key personnel's commitment to and availability for the duration of this project.

FORM 3T

OVERALL PROJECT UNDERSTANDING AND APPROACH

E-PIN: 84111M0005
PIN: 84111BXBR587

PROJECT NAME: Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)

CONTRACT NO.: HBX1131

PRIME CONSULTANT: _____

CONSULTANT ON THIS FORM: _____

OVERALL APPROACH TO PROJECT:

1. Describe your overall approach and understanding to providing TD/CSS services for this project. Provide enough detail to permit NYCDOT to assess the extent of the proposer's understanding of potential problems and proposed solutions.
2. Describe your overall approach and explain the different tasks anticipated to be performed, their relationship, the extent to which they can be performed concurrently and the unique aspects of each task as they relate to this project.
3. Explain the duration of each task and demonstrate the Proposer's ability to complete these tasks on time with the proposed staffing. Please elaborate on how the positions assigned for this project as shown in your organization chart will assist you in the execution of each identified task.
4. Discuss any alternate tasks, or innovative approaches that would assist in the successful provision of services and/or best achieve the project goals and objectives.

FORM 4T – JOB TITLES AND HOURS PROPOSED

PROJECT NAME: Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)

E-PIN: 8411M0005
PIN: 84111BXBR587

BIN: 1-06651-0

PRIME CONSULTANT: _____

CONSULTANT ON THIS FORM: _____

PROFESSIONAL ENGINEERING/
ARCHITECTURAL SERVICES

OTHER/ _____

(COLUMN 1) JOB TITLES/ ASCE/NICET GRADE	(COLUMN 2) TOTAL HOURS
1.	
2.	
3.	
4.	
5.	
6.	
7.	
8.	
9.	
10.	
<u>TOTALS:</u>	_____

DO NOT INCLUDE SALARIES ON THIS FORM

1. Job titles and hours proposed should be the same as those proposed on the Labor Cost Proposal forms 4T1.
2. No salary information should be included on this form.
3. This form must be completed for the prime and each of the proposed subconsultants (use additional pages, if necessary)

FORM 5T NYCDOT CURRENT WORKLOAD DISCLOSURE

The purpose of this form is to provide information concerning the current workload of the firms interested in the project for which the proposal is being submitted. The information provided should be for the office(s) which would perform the work of this contract. The values shown **should not** include fees to be paid to subconsultants and subcontractors or for rentals or purchases of equipment.

PIN: _____ FIRM NAME: _____
 CONTRACT NO.: _____ CONTACT PERSON: _____
 PROJECT NAME: _____ PHONE NUMBER _____
 BIN: _____ ADDRESS OF OFFICE(S) TO PERFORM WORK _____
 DATE OF RFP: _____
 IS YOUR FIRM A: DBE? (YES/NO) _____

Name of Personnel (Proposed Office(s)): Administration _____ Total Personnel _____

I. Remaining NYC-DOT work of proposed office(s) (from back of sheet) with:
 All NYC-DOT \$ _____ Bureau of Bridges ONLY \$ _____

II. Expected billings for next 18 months:

A. NYC-DOT WORK: total expected billings in next 18 months. \$ _____

B. WORK WITH OTHER PUBLIC AGENCIES: total expected in the next 18 months \$ _____

C. PRIVATE WORK: total expected billings on projects in next 18 months. \$ _____

TOTAL (A + B + C) \$ _____

III. Certified Disadvantaged Business Enterprise (DBE) firm(s) for Federal Aid Projects or for Non-Federal air Projects proposed for use on this project:

SUBCONSULTANT FIRM NAME	PROPOSED % OF PROJECT	# OF TECHNICAL PERSONNEL	WORKLOAD (HOURS PROPOSED)
_____	_____ %	_____	_____
_____	_____ %	_____	_____
_____	_____ %	_____	_____

IV. Other firm(s) proposed for use on this project

_____	_____ %	_____	_____
_____	_____ %	_____	_____

CERTIFICATION

I hereby certify that the above figures are actual contract amounts (when available) or my best estimate of expected billings.

DATE

SIGNATURE (OFFICER OR PARTNER)

FORM 5T

Remaining work with NYCDOT (within Department)

List all projects on which you are currently working for the Department and those which you have been designated to perform. These shall be categorized as indicated below (Design, Construction Inspection or Miscellaneous).

Type of work – Highway, Bridge, Planning	Contract Number	Remaining \$ Value (include anticipated Supplemental Agreement for this Project) (a)	Percentage of Project performed at Office(s) proposed for this Project (b)	Pro-rated Workload of proposed office(s) (a x b)
--	-----------------	---	---	---

Design Division (includes Highway Design, Bridge Design and Construction Support Services)				

Total Firmwide Design Workload \$ _____

Assigned Office(s) Miscellaneous Workload \$ _____

Construction Division (includes only Resident Engineering Inspection)				

Total Firmwide REI Workload \$ _____

Assigned Office(s) REI Workload \$ _____

Miscellaneous (includes Planning and any other agreements not covered above)				

Total Firmwide Miscellaneous Workload \$ _____

Assigned Office(s) Miscellaneous Workload \$ _____

Total Firmwide Overall Workload with NYC-DOT \$ _____

Assigned Office(s) Overall Workload with NYC-DOT \$ _____

YOU MAY ATTACH ADDITIONAL SHEETS OF REMAINING WORK FOLLOWING THE SAME FORMAT AS USED ABOVE.

Use the following as a ratings guide:

Calculate the Ratio of expected billable dollars per person per year vs. average billable dollars per person per year.

- If:
- EB\$PY** - expected billable dollars per person per year.
 - AB\$PY** - average billable dollars per person per year.
 - EB** - expected billing dollars for next 18 months.
 - S** - Total personnel minus administrative personnel.
 - Y** - Yearly adjustment (converts 18 months into 1 year).

Assume: **AB\$PY** = \$60,000 and **Y** = 1.5 (18 / 12 = 1.5)

Then: **EB\$PY = EB / S / Y and R = EB\$PY / AB\$PY X 100%**

If R is greater than or equal to 100%, a rating of 0 may be appropriate.
 If R is equal to 75 %, a rating of 5 may be appropriate.
 If R is less than or equal to 25%, a rating of 10 may be appropriate.

FORM 6T

DBE PARTICIPATION

PIN: _____ PROJECT NAME: _____

CONTRACT NO.: _____ CONSULTANT: _____

Participation by DBE Consultants: Is being proposed

Participation by DBE Consultants: Is being not proposed

If being proposed, attach the following:

1. Name(s) and Address(es) of proposed DBE firms.
2. Percentage(s) of assigned participation.
3. NYS DBE Certification(s)*.

◆ List of certified DBE firms can be obtained from the following website:
<http://biznet.nysucp.net/>

ARCHITECT-ENGINEER QUALIFICATIONS

OMB No.: 9000-0157
Expires: 6/30/2007

Public reporting burden for this collection of information is estimated to average a total of 29 hours per response (25 hours for Part 1 and 4 hours for Part 2), including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the FAR Secretariat (MVA), Regulatory and Federal Assistance Publications Division, GSA, Washington, DC 20405.

PURPOSE

Federal agencies use this form to obtain information from architect-engineer (A-E) firms about their professional qualifications. Federal agencies select firms for A-E contracts on the basis of professional qualifications as required by the Brooks A-E Act (40 U.S.C. 1101 - 1104) and Part 36 of the Federal Acquisition Regulation (FAR).

The Brooks A-E Act requires the public announcement of requirements for A-E services (with some exceptions provided by other statutes), and the selection of at least three of the most highly qualified firms based on demonstrated competence and professional qualifications according to specific criteria published in the announcement. The Act then requires the negotiation of a contract at a fair and reasonable price starting first with the most highly qualified firm.

The information used to evaluate firms is from this form and other sources, including performance evaluations, any additional data requested by the agency, and interviews with the most highly qualified firms and their references.

GENERAL INSTRUCTIONS

Part I presents the qualifications for a specific contract.

Part II presents the general qualifications of a firm or a specific branch office of a firm. Part II has two uses:

1. An A-E firm may submit Part II to the appropriate central, regional or local office of each Federal agency to be kept on file. A public announcement is not required for certain contracts, and agencies may use Part II as a basis for selecting at least three of the most highly qualified firms for discussions prior to requesting submission of Part I. Firms are encouraged to update Part II on file with agency offices, as appropriate, according to FAR Part 36. If a firm has branch offices, submit a separate Part II for each branch office seeking work.

2. Prepare a separate Part II for each firm that will be part of the team proposed for a specific contract and submitted with Part I. If a firm has branch offices, submit a separate Part II for each branch office that has a key role on the team.

INDIVIDUAL AGENCY INSTRUCTIONS

Individual agencies may supplement these instructions. For example, they may limit the number of projects or number of

pages submitted in Part I in response to a public announcement for a particular project. Carefully comply with any agency instructions when preparing and submitting this form. Be as concise as possible and provide only the information requested by the agency.

DEFINITIONS

Architect-Engineer Services: Defined in FAR 2.101.

Branch Office: A geographically distinct place of business or subsidiary office of a firm that has a key role on the team.

Discipline: Primary technical capabilities of key personnel, as evidenced by academic degree, professional registration, certification, and/or extensive experience.

Firm: Defined in FAR 36.102.

Key Personnel: Individuals who will have major contract responsibilities and/or provide unusual or unique expertise.

SPECIFIC INSTRUCTIONS

Part I - Contract-Specific Qualifications

Section A. Contract Information.

1. **Title and Location.** Enter the title and location of the contract for which this form is being submitted, exactly as shown in the public announcement or agency request.

2. **Public Notice Date.** Enter the posted date of the agency's notice on the Federal Business Opportunity website (FedBizOpps), other form of public announcement or agency request for this contract.

3. **Solicitation or Project Number.** Enter the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request for this contract.

Section B. Architect-Engineer Point of Contact.

- 4-8. **Name, Title, Name of Firm, Telephone Number, Fax (Facsimile) Number and E-mail (Electronic Mail) Address.** Provide information for a representative of the prime contractor or joint venture that the agency can contact for additional information.

Section C. Proposed Team.

9-11. Firm Name, Address, and Role in This Contract. Provide the contractual relationship, name, full mailing address, and a brief description of the role of each firm that will be involved in performance of this contract. List the prime contractor or joint venture partners first. If a firm has branch offices, indicate each individual branch office that will have a key role on the team. The named subcontractors and outside associates or consultants must be used, and any change must be approved by the contracting officer. (See FAR Part 52 Clause "Subcontractors and Outside Associates and Consultants (Architect-Engineer Services)".) Attach an additional sheet in the same format as Section C if needed.

Section D. Organizational Chart of Proposed Team.

As an attachment after Section C, present an organizational chart of the proposed team showing the names and roles of all key personnel listed in Section E and the firm they are associated with as listed in Section C.

Section E. Resumes of Key Personnel Proposed for This Contract.

Complete this section for each key person who will participate in this contract. Group by firm, with personnel of the prime contractor or joint venture partner firms first. The following blocks must be completed for each resume:

12. Name. Self-explanatory.

13. Role in This Contract. Self-explanatory.

14. Years Experience. Total years of relevant experience (block 14a), and years of relevant experience with current firm, but not necessarily the same branch office (block 14b).

15. Firm Name and Location. Name, city and state of the firm where the person currently works, which must correspond with one of the firms (or branch office of a firm, if appropriate) listed in Section C.

16. Education. Provide information on the highest relevant academic degree(s) received. Indicate the area(s) of specialization for each degree.

17. Current Professional Registration. Provide information on current relevant professional registration(s) in a State or possession of the United States, Puerto Rico, or the District of Columbia according to FAR Part 36.

18. Other Professional Qualifications. Provide information on any other professional qualifications relating to this contract, such as education, professional registration, publications, organizational memberships, certifications, training, awards, and foreign language capabilities.

19. Relevant Projects. Provide information on up to five projects in which the person had a significant role that demonstrates the person's capability relevant to her/his proposed role in this contract. These projects do not necessarily have to be any of the projects presented in Section F for the project team if the person was not involved in any of those projects or the person worked on other projects that were more relevant than the team projects in Section F. Use the check box provided to indicate if the project was performed with any office of the current firm. If any of the professional services or construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description and Specific Role (block (3)).

Section F. Example Projects Which Best Illustrate Proposed Team's Qualifications for This Contract.

Select projects where multiple team members worked together, if possible, that demonstrate the team's capability to perform work similar to that required for this contract. Complete one Section F for each project. Present ten projects, unless otherwise specified by the agency. Complete the following blocks for each project:

20. Example Project Key Number. Start with "1" for the first project and number consecutively.

21. Title and Location. Title and location of project or contract. For an indefinite delivery contract, the location is the geographic scope of the contract.

22. Year Completed. Enter the year completed of the professional services (such as planning, engineering study, design, or surveying), and/or the year completed of construction, if applicable. If any of the professional services or the construction projects are not complete, leave Year Completed blank and indicate the status in Brief Description of Project and Relevance to This Contract (block 24).

23a. Project Owner. Project owner or user, such as a government agency or installation, an institution, a corporation or private individual.

23b. Point of Contact Name. Provide name of a person associated with the project owner or the organization which contracted for the professional services, who is very familiar with the project and the firm's (or firms') performance.

23c. Point of Contact Telephone Number
Self-explanatory.

24. Brief Description of Project and Relevance to This Contract. Indicate scope, size, cost, principal elements and special features of the project. Discuss the relevance of the example project to this contract. Enter any other information requested by the agency for each example project.

25. Firms from Section C Involved with This Project. Indicate which firms (or branch offices, if appropriate) on the project team were involved in the example project, and their roles. List in the same order as Section C.

Section G. Key Personnel Participation in Example Projects.

This matrix is intended to graphically depict which key personnel identified in Section E worked on the example projects listed in Section F. Complete the following blocks (see example below).

26. and 27. Names of Key Personnel and Role in This Contract. List the names of the key personnel and their proposed roles in this contract in the same order as they appear in Section E.

28. Example Projects Listed in Section F. In the column under each project key number (see block 29) and for each key person, place an "X" under the project key number for participation in the same or similar role.

29. Example Projects Key. List the key numbers and titles of the example projects in the same order as they appear in Section F.

Section H. Additional Information.

30. Use this section to provide additional information specifically requested by the agency or to address selection criteria that are not covered by the information provided in Sections A-G.

Section I. Authorized Representative.

31. and 32. Signature of Authorized Representative and Date. An authorized representative of a joint venture or the prime contractor must sign and date the completed form. Signing attests that the information provided is current and factual, and that all firms on the proposed team agree to work on the project. Joint ventures selected for negotiations must make available a statement of participation by a principal of each member of the joint venture.

33. Name and Title. Self-explanatory.

SAMPLE ENTRIES FOR SECTION G (MATRIX)

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below first, before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Jane A. Smith	Chief Architect	X		X							
Joseph B. Williams	Chief Mech. Engineer	X	X	X	X						
Tara C. Donovan	Chief Elec. Engineer	X	X		X						

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Federal Courthouse, Denver, CO	6	XYZ Corporation Headquarters, Boston, MA
2	Justin J. Wilson Federal Building, Baton Rouge, LA	7	Founder's Museum, Newport RI

Part II - General Qualifications

See the "General Instructions" on page 1 for firms with branch offices. Prepare Part II for the specific branch office seeking work if the firm has branch offices.

1. Solicitation Number. If Part II is submitted for a specific contract, insert the agency's solicitation number and/or project number, if applicable, exactly as shown in the public announcement or agency request.

2a-2e. Firm (or Branch Office) Name and Address. Self-explanatory.

3. Year Established. Enter the year the firm (or branch office, if appropriate) was established under the current name.

4. DUNS Number. Insert the Data Universal Numbering System number issued by Dun and Bradstreet Information Services. Firms must have a DUNS number. See FAR Part 4.6.

5. Ownership.

a. Type. Enter the type of ownership or legal structure of the firm (sole proprietor, partnership, corporation, joint venture, etc.).

b. Small Business Status. Refer to the North American Industry Classification System (NAICS) code in the public announcement, and indicate if the firm is a small business according to the current size standard for that NAICS code (for example, Engineering Services (part of NAICS 541330), Architectural Services (NAICS 541310), Surveying and Mapping Services (NAICS 541370)). The small business categories and the internet website for the NAICS codes appear in FAR Part 19. Contact the requesting agency for any questions. Contact your local U.S. Small Business Administration office for any questions regarding Business Status.

6a-6c. Point of Contact. Provide this information for a representative of the firm that the agency can contact for additional information. The representative must be empowered to speak on contractual and policy matters.

7. Name of Firm. Enter the name of the firm if Part II is prepared for a branch office.

8a-8c. Former Firm Names. Indicate any other previous names for the firm (or branch office) during the last six years. Insert the year that this corporate name change was

effective and the associated DUNS Number. This information is used to review past performance on Federal contracts.

9. Employees by Discipline. Use the relevant disciplines and associated function codes shown at the end of these instructions and list in the same numerical order. After the listed disciplines, write in any additional disciplines and leave the function code blank. List no more than 20 disciplines. Group remaining employees under "Other Employees" in column b. Each person can be counted only once according to his/her primary function. If Part II is prepared for a firm (including all branch offices), enter the number of employees by disciplines in column c(1). If Part II is prepared for a branch office, enter the number of employees by discipline in column c(2) and for the firm in column c(1).

10. Profile of Firm's Experience and Annual Average Revenue for Last 5 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the experience categories which most accurately reflect the firm's technical capabilities and project experience. Use the relevant experience categories and associated profile codes shown at the end of these instructions, and list in the same numerical order. After the listed experience categories, write in any unlisted relevant project experience categories and leave the profile codes blank. For each type of experience, enter the appropriate revenue index number to reflect the professional services revenues received annually (averaged over the last 5 years) by the firm or branch office for performing that type of work. A particular project may be identified with one experience category or it may be broken into components, as best reflects the capabilities and types of work performed by the firm. However, do not double count the revenues received on a particular project.

11. Annual Average Professional Services Revenues of Firm for Last 3 Years. Complete this block for the firm or branch office for which this Part II is prepared. Enter the appropriate revenue index numbers to reflect the professional services revenues received annually (averaged over the last 3 years) by the firm or branch office. Indicate Federal work (performed directly for the Federal Government, either as the prime contractor or subcontractor), non-Federal work (all other domestic and foreign work, including Federally-assisted projects), and the total. If the firm has been in existence for less than 3 years, see the definition for "Annual Receipts" under FAR 19.101.

12. Authorized Representative. An authorized representative of the firm or branch office must sign and date the completed form. Signing attests that the information provided is current and factual. Provide the name and title of the authorized representative who signed the form.

List of Disciplines (Function Codes)

Code	Description	Code	Description
01	Acoustical Engineer	32	Hydraulic Engineer
02	Administrative	33	Hydrographic Surveyor
03	Aerial Photographer	34	Hydrologist
04	Aeronautical Engineer	35	Industrial Engineer
05	Archeologist	36	Industrial Hygienist
06	Architect	37	Interior Designer
07	Biologist	38	Land Surveyor
08	CADD Technician	39	Landscape Architect
09	Cartographer	40	Materials Engineer
10	Chemical Engineer	41	Materials Handling Engineer
11	Chemist	42	Mechanical Engineer
12	Civil Engineer	43	Mining Engineer
13	Communications Engineer	44	Oceanographer
14	Computer Programmer	45	Photo Interpreter
15	Construction Inspector	46	Photogrammetrist
16	Construction Manager	47	Planner: Urban/Regional
17	Corrosion Engineer	48	Project Manager
18	Cost Engineer/Estimator	49	Remote Sensing Specialist
19	Ecologist	50	Risk Assessor
20	Economist	51	Safety/Occupational Health Engineer
21	Electrical Engineer	52	Sanitary Engineer
22	Electronics Engineer	53	Scheduler
23	Environmental Engineer	54	Security Specialist
24	Environmental Scientist	55	Soils Engineer
25	Fire Protection Engineer	56	Specifications Writer
26	Forensic Engineer	57	Structural Engineer
27	Foundation/Geotechnical Engineer	58	Technician/Analyst
28	Geodetic Surveyor	59	Toxicologist
29	Geographic Information System Specialist	60	Transportation Engineer
30	Geologist	61	Value Engineer
31	Health Facility Planner	62	Water Resources Engineer

List of Experience Categories (Profile Codes)

Code	Description	Code	Description
A01	Acoustics, Noise Abatement	E01	Ecological & Archeological Investigations
A02	Aerial Photography; Airborne Data and Imagery Collection and Analysis	E02	Educational Facilities; Classrooms
A03	Agricultural Development; Grain Storage; Farm Mechanization	E03	Electrical Studies and Design
A04	Air Pollution Control	E04	Electronics
A05	Airports; Nav aids; Airport Lighting; Aircraft Fueling	E05	Elevators; Escalators; People-Movers
A06	Airports; Terminals and Hangars; Freight Handling	E06	Embassies and Chanceries
A07	Arctic Facilities	E07	Energy Conservation; New Energy Sources
A08	Animal Facilities	E08	Engineering Economics
A09	Anti-Terrorism/Force Protection	E09	Environmental Impact Studies, Assessments or Statements
A10	Asbestos Abatement	E10	Environmental and Natural Resource Mapping
A11	Auditoriums & Theaters	E11	Environmental Planning
A12	Automation; Controls; Instrumentation	E12	Environmental Remediation
		E13	Environmental Testing and Analysis
B01	Barracks; Dormitories		
B02	Bridges	F01	Fallout Shelters; Blast-Resistant Design
		F02	Field Houses; Gyms; Stadiums
C01	Cartography	F03	Fire Protection
C02	Cemeteries (<i>Planning & Relocation</i>)	F04	Fisheries; Fish ladders
C03	Charting: Nautical and Aeronautical	F05	Forensic Engineering
C04	Chemical Processing & Storage	F06	Forestry & Forest products
C05	Child Care/Development Facilities		
C06	Churches; Chapels	G01	Garages; Vehicle Maintenance Facilities; Parking Decks
C07	Coastal Engineering	G02	Gas Systems (Propane; Natural, Etc.)
C08	Codes; Standards; Ordinances	G03	Geodetic Surveying: Ground and Airborne
C09	Cold Storage; Refrigeration and Fast Freeze	G04	Geographic Information System Services: Development, Analysis, and Data Collection
C10	Commercial Building (<i>low rise</i>); Shopping Centers	G05	Geospatial Data Conversion: Scanning, Digitizing, Compilation, Attributing, Scribing, Drafting
C11	Community Facilities	G06	Graphic Design
C12	Communications Systems; TV; Microwave		
C13	Computer Facilities; Computer Service	H01	Harbors; Jetties; Piers, Ship Terminal Facilities
C14	Conservation and Resource Management	H02	Hazardous Materials Handling and Storage
C15	Construction Management	H03	Hazardous, Toxic, Radioactive Waste Remediation
C16	Construction Surveying	H04	Heating; Ventilating; Air Conditioning
C17	Corrosion Control; Cathodic Protection; Electrolysis	H05	Health Systems Planning
C18	Cost Estimating; Cost Engineering and Analysis; Parametric Costing; Forecasting	H06	Highrise; Air-Rights-Type Buildings
C19	Cryogenic Facilities	H07	Highways; Streets; Airfield Paving; Parking Lots
D01	Dams (<i>Concrete; Arch</i>)	H08	Historical Preservation
D02	Dams (<i>Earth; Rock</i>); Dikes; Levees	H09	Hospital & Medical Facilities
D03	Desalinization (<i>Process & Facilities</i>)	H10	Hotels; Motels
D04	Design-Build - Preparation of Requests for Proposals	H11	Housing (<i>Residential, Multi-Family; Apartments; Condominiums</i>)
D05	Digital Elevation and Terrain Model Development		
D06	Digital Orthophotography	H12	Hydraulics & Pneumatics
D07	Dining Halls; Clubs; Restaurants	H13	Hydrographic Surveying
D08	Dredging Studies and Design		

List of Experience Categories (Profile Codes)

Code	Description	Code	Description
I01	Industrial Buildings; Manufacturing Plants	P09	Product, Machine Equipment Design
I02	Industrial Processes; Quality Control	P10	Pneumatic Structures, Air-Support Buildings
I03	Industrial Waste Treatment	P11	Postal Facilities
I04	Intelligent Transportation Systems	P12	Power Generation, Transmission, Distribution
I05	Interior Design; Space Planning	P13	Public Safety Facilities
I06	Irrigation; Drainage		
J01	Judicial and Courtroom Facilities	R01	Radar; Sonar; Radio & Radar Telescopes
L01	Laboratories; Medical Research Facilities	R02	Radio Frequency Systems & Shieldings
L02	Land Surveying	R03	Railroad; Rapid Transit
L03	Landscape Architecture	R04	Recreation Facilities (Parks, Marinas, Etc.)
L04	Libraries; Museums; Galleries	R05	Refrigeration Plants/Systems
L05	Lighting (Interior; Display; Theater, Etc.)	R06	Rehabilitation (Buildings; Structures; Facilities)
L06	Lighting (Exteriors; Streets; Memorials; Athletic Fields, Etc.)	R07	Remote Sensing
M01	Mapping Location/Addressing Systems	R08	Research Facilities
M02	Materials Handling Systems; Conveyors; Sorters	R09	Resources Recovery; Recycling
M03	Metallurgy	R10	Risk Analysis
M04	Microclimatology; Tropical Engineering	R11	Rivers; Canals; Waterways; Flood Control
M05	Military Design Standards	R12	Roofing
M06	Mining & Mineralogy	S01	Safety Engineering; Accident Studies; OSHA Studies
M07	Missile Facilities (Silos; Fuels; Transport)	S02	Security Systems; Intruder & Smoke Detection
M08	Modular Systems Design; Pre-Fabricated Structures or Components	S03	Seismic Designs & Studies
N01	Naval Architecture; Off-Shore Platforms	S04	Sewage Collection, Treatment and Disposal
N02	Navigation Structures; Locks	S05	Soils & Geologic Studies; Foundations
N03	Nuclear Facilities; Nuclear Shielding	S06	Solar Energy Utilization
O01	Office Buildings; Industrial Parks	S07	Solid Wastes; Incineration; Landfill
O02	Oceanographic Engineering	S08	Special Environments; Clean Rooms, Etc.
O03	Ordnance; Munitions; Special Weapons	S09	Structural Design; Special Structures
P01	Petroleum Exploration; Refining	S10	Surveying; Platting; Mapping; Flood Plain Studies
P02	Petroleum and Fuel (Storage and Distribution)	S11	Sustainable Design
P03	Photogrammetry	S12	Swimming Pools
P04	Pipelines (Cross-Country - Liquid & Gas)	S13	Storm Water Handling & Facilities
P05	Planning (Community, Regional, Areawide and State)	T01	Telephone Systems (<i>Rural; Mobile; Intercom, Etc.</i>)
P06	Planning (Site, Installation, and Project)	T02	Testing & Inspection Services
P07	Plumbing & Piping Design	T03	Traffic & Transportation Engineering
P08	Prisons & Correctional Facilities	T04	Topographic Surveying and Mapping
		T05	Towers (<i>Self-Supporting & Guyed Systems</i>)
		T06	Tunnels & Subways

List of Experience Categories (Profile Codes)

Code	Description
U01	Unexploded Ordnance Remediation
U02	Urban Renewals; Community Development
U03	Utilities (Gas and Steam)
V01	Value Analysis; Life-Cycle Costing
W01	Warehouses & Depots
W02	Water Resources; Hydrology; Ground Water
W03	Water Supply; Treatment and Distribution
W04	Wind Tunnels; Research/Testing Facilities Design
Z01	Zoning; Land Use Studies

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

2. PUBLIC NOTICE DATE

3. SOLICITATION OR PROJECT NUMBER

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

5. NAME OF FIRM

6. TELEPHONE NUMBER

7. FAX NUMBER

8. E-MAIL ADDRESS

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

(Check)				9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
PRIME	J-V	PARTNER	SUBCON-TRACTOR			
a.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
b.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.				<input type="checkbox"/> CHECK IF BRANCH OFFICE		

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

(Attached)

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM

15. FIRM NAME AND LOCATION *(City and State)*

16. EDUCATION <i>(DEGREE AND SPECIALIZATION)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(STATE AND DISCIPLINE)</i>
--	---

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<input type="checkbox"/> Check if project performed with current firm			
b.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<input type="checkbox"/> Check if project performed with current firm			
c.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<input type="checkbox"/> Check if project performed with current firm			
d.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<input type="checkbox"/> Check if project performed with current firm			
e.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>
<input type="checkbox"/> Check if project performed with current firm			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>	20. EXAMPLE PROJECT KEY NUMBER
---	---------------------------------------

21. TITLE AND LOCATION <i>(City and State)</i>	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i>

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
------------------	--------------------------	--------------------------------------

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
a.			
b.			
c.			
d.			
e.			
f.			

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

I. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

31. SIGNATURE

32. DATE

33. NAME AND TITLE

SECTION VII

E) COST PROPOSAL FORMS PACKET CONTENTS

COST PROPOSAL

1. **FORM 4T1 LABOR COST PROPOSAL**
2. **FORM 4T2 COST PROPOSAL SUMMARY**
3. **FORM 4T3 PERFORMANCE OUTCOME MEASURES
 AND RELATED FINANCIAL INCENTIVE
 AND/OR DISINCENTIVE**

NOTE: Please copy and use separate sheets for each sub-consultant (if any). Principal's Time (if any) is charged direct without multiplier. Make copies of format sheet as needed.

FORM 4T1 – LABOR COST PROPOSAL

PROJECT NAME: Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)

E-PIN: 84111M0005
PIN: 84111BXHR587

BIN: 1-06651-0

PRIME CONSULTANT: _____

CONTRACT NO.: HBX1131

CONSULTANT ON THIS FORM: _____

PROFESSIONAL ENGINEERING/ARCHITECTURAL SERVICES
 OTHER/_____

<u>(COLUMN 1)</u> <u>JOB TITLE</u> <u>ASCE/ NICET</u> <u>GRADE</u>	<u>(COLUMN 2)</u> <u>TOTAL HOURS</u>	<u>(COLUMN 3)</u> <u>HOURSTHIS FIRM</u>	<u>(COLUMN 4)</u> <u>AVERAGE</u> <u>HOURLY RATE</u> <u>(FY 2012)</u>	<u>(COLUMN 5)</u> <u>LABOR COST</u> <u>COL3X COL4</u>
1. _____	_____	_____	\$ _____	\$ _____
2. _____	_____	_____	\$ _____	\$ _____
3. _____	_____	_____	\$ _____	\$ _____
4. _____	_____	_____	\$ _____	\$ _____
5. _____	_____	_____	\$ _____	\$ _____
6. _____	_____	_____	\$ _____	\$ _____
7. _____	_____	_____	\$ _____	\$ _____
8. _____	_____	_____	\$ _____	\$ _____
9. _____	_____	_____	\$ _____	\$ _____
<u>TOTALS</u>	_____	_____		\$ _____ (T)

INTERIM OVERHEAD FACTOR _____ **(A)**

PROFIT FACTOR _____ **(B)**

INTERIM MULTIPLIER _____ **(1+A)X(1+B) = M**

TOTAL LABOR COST (T x M) \$ _____ **(C)**

MAXIMUM ESCALATION FACTOR = _____ **1.06(D)**

TOTAL LABOR ESCALATED TO PROJECT MIDPOINT (GRAND TOTAL COST) (C X D) \$ _____

INSTRUCTIONS:

- Each consultant of the project team is to submit a separate "Labor Cost Proposal Form". For each job title, the hours proposed by each firm of the project team in Column (3) **MUST SUM** to the total hours provided in Column (2).
- For Column (4), use actual average salary rates for firm for each job title at regional offices. Attach a listing of current average rates for all titles/grades/levels as approved by NYSDOT for regional offices (if available). A regional office is defined as one located within a 75 mile radius of Columbus Circle (NYC).
- The labor costs to be included in Column (5) are obtained by multiplying the hours in Column (3) by the average hourly rate in Column (4).
- The maximum escalation factor "D" indicated in the shaded area shall not be changed.
- Interim Multiplier (M) shall be rounded off to three (3) decimal figures. Total Labor Cost (C) and Column 4 & Column 5 entries shall be rounded off to two (2) decimal places.
- The agency will consider the proposed interim multiplier for establishing Preliminary Design Total Fee (including DTL, interim overhead & Maximum Profit of 10%). The interim multiplier will be based on currently available information on Consultant Company's overhead and profit. This multiplier is subject to audit and revision in accordance with applicable NYC Comptrollers' Directive on an annual basis when the actual overhead information for the respective year becomes available. Suitable adjustments to the previous payments will be made accordingly upon completion of phase and when multiplier information is available. As needed, the additional fund for the overhead and profit will be added via Change Order by the Agency at the discretion of the Agency. The same procedure will be followed at the beginning of Final Design & CSS Phases.

FORM 4T2 – COST PROPOSAL SUMMARY

PROJECT NAME: **Total Design & Construction Support Services for the Replacement of Bruckner Expressway over Westchester Creek (Unionport Bridge)**
 BIN:: **1-06651-0**

E-PIN: **84111M0005**
 PIN: **84111BXBR587**

PRIME CONSULTANT: _____ CONTRACT NO.: **HBM1165**

	<u>(COLUMN 1)</u> <u>CONSULTANT</u>	<u>(COLUMN 2)</u> <u>HOURS</u> <u>ALL FIRMS</u>	<u>(COLUMN 3)</u> <u>ESCALATED</u> <u>LABOR COST</u> <u>TO PROJECT</u> <u>MIDPOINT</u>	<u>(COLUMN 4)</u> <u>DIRECT</u> <u>NON-SALARY</u> <u>COST</u>	<u>(COLUMN 5)</u> <u>TOTAL COST</u>
1.	_____	_____	_____	\$ _____	\$ _____
2.	_____	_____	_____	\$ _____	\$ _____
3.	_____	_____	_____	\$ _____	\$ _____
4.	_____	_____	_____	\$ _____	\$ _____
5.	_____	_____	_____	\$ _____	\$ _____
6.	_____	_____	_____	\$ _____	\$ _____
7.	_____	_____	_____	\$ _____	\$ _____
8.	_____	_____	_____	\$ _____	\$ _____
9.	_____	_____	_____	\$ _____	\$ _____
	TOTALS	_____	_____	\$150,000.00	(T)
	Budgetary Allowance	_____	_____	_____	\$15,000.00
	Contingency Allowance	_____	_____	_____	\$495,000.00
	GRAND TOTAL	_____	_____	_____	_____

INSTRUCTIONS:

1. The costs entered in Column 3 are the totals shown on line (D) of Form 4T-1 "Labor Cost Proposal" for each consultant on the project team.
2. The Total Direct Non-Salary Cost shown in the shaded area below Column 4 is an out of pocket expense budgeted amount allowed to all proposers and must not be changed.
3. The Total Direct Non-Salary Cost provided by each consultant of the project team MUST SUM to the total shown in the shaded area at the bottom of the Column 4.

FORM 4T3

**PERFORMANCE OUTCOME MEASURES AND RELATED
FINANCIAL INCENTIVES AND/OR DISINCENTIVES**

Instructions: Provide the information requested below for proposed performance outcome measures

	Performance Outcome (Target Goal)	Measure of Performance	Associated Financial Incentive/Disincentive
1.			
2.			
3.			
4.			
5.			

SECTION VII

F) VENDEX REQUIREMENT & CONFIRMATION OF VENDEX COMPLIANCE

ATTACHMENT F

VENDEX

Upon completion of its status as the apparent low bidder, the bidder will be required to submit proof of filing of the appropriate VENDEX Questionnaires. Upon written notification, the bidder must submit a Confirmation of Vendex Compliance to NYCDOT within five days of official notification. A form for this confirmation is set forth in the solicitation.

The bidder is advised that Vendex Questionnaires and procedures have changed. See www.nyc.gov/vendex to download the new VENDEX Questionnaires and Vendor's Guide to VENDEX or contact NYCDOTs VENDEX Unit at (212) 839-9424.

- (a) **Submission:** Vendex Questionnaires (if required) must be submitted directly to the Mayor's Office of Contract Services, ATTN: Vendex, 253 Broadway, 9th floor, New York, NY 10007.
- (b) **Requirement:** Pursuant to Administrative Code Section 6-116.2 and the PPB Rules, bidders are obligated to complete and submit VENDEX Questionnaires. Vendex Questionnaires must be completed and submitted before any award of contract may be made or before approval is given for a proposed subcontractor. Non-compliance with these submission requirements may result in the disqualification of the bid or proposal, disapproval of a subcontractor, subsequent withdrawal of approval for the use of an approved subcontractor or the cancellation of the contract after award.

ATTACHMENT F

CONFIRMATION OF VENDEX COMPLIANCE

The Proposer (including its subconsultant) shall submit this Confirmation of Vendex Compliance

Name of Proposer: _____

Proposer's Address: _____

Proposer's Telephone Number: _____

Proposer's Fax Number: _____

Date of Proposal Submission: _____

Project ID: _____

Vendex Compliance: To demonstrate compliance with Vendex requirements, the Proposer shall complete either Section (1) or Section (2) below, whichever applies.

(1) **Submission of Questionnaires to MOC:** By signing in the space provided below, the Proposer certifies that as of the date specified below, the Proposer has submitted Vendex Questionnaires to the Mayor's Office of Contract Services, Attn: VENDEX, 253 Broadway, 9th Floor, New York, New York 10007.

Date of Submission: _____

By: _____
(Signature of Partner or corporate officer)

Print Name: _____

(2) **Submission of Certification of No Change to NYCDOT:** By signing in the space provided below, the Proposer certifies that it has read the instructions in a "Vendor's Guide to Vendex" and that such instructions do not require the Proposer to submit Vendex Questionnaires. The Proposer has completed **TWO ORIGINALS** of the Certification of No Change.

By: _____
(Signature of Partner or corporate officer)

Print Name: _____

SECTION VII

- G) LOCAL LAW 34:**
DOING BUSINESS DATA FORM AND INSTRUCTIONS
(To be submitted as a separate sealed envelope along with the Technical Proposal)



Doing Business Data Form

To be completed by the City Agency prior to distribution			
Agency: _____		Transaction ID: _____	
Check One:	Transaction Type (check one):		
<input type="checkbox"/> Proposal	<input type="checkbox"/> Concession	<input type="checkbox"/> Contract	<input type="checkbox"/> Economic Development Agreement
<input type="checkbox"/> Award	<input type="checkbox"/> Franchise	<input type="checkbox"/> Grant	<input type="checkbox"/> Pension Investment Contract

Any entity receiving, applying for or proposing on an award or agreement must complete a Doing Business Data Form (see Q&A sheet for more information). Please either type responses directly into this fillable form or print answers by hand in black ink, and be sure to fill out the certification box on the last page. **Submission of a complete and accurate form is required for a proposal to be considered responsive or for any entity to receive an award or enter into an agreement.**

This Data Form requires information to be provided on principal officers, owners and senior managers. The name, employer and title of each person identified on the Data Form will be included in a public database of people who do business with the City of New York; no other information reported on this form will be disclosed to the public. **This Data Form is not related to the City's VENDEX requirements.**

Please return the completed Data Form to the City Agency that supplied it. Please contact the Doing Business Accountability Project at DoingBusiness@cityhall.nyc.gov or 212-788-8104 with any questions regarding this Data Form. Thank you for your cooperation.

Section 1: Entity Information

Entity Name: _____

Entity EIN/TIN: _____

Entity Filing Status (select one):

- Entity has never completed a Doing Business Data Form. *Fill out the entire form.*
- Change from previous Data Form dated _____. *Fill out only those sections that have changed, and indicate the name of the persons who no longer hold positions with the entity.*
- No Change from previous Data Form dated _____. *Skip to the bottom of the last page.*

Entity is a Non-Profit: Yes No

Entity Type: Corporation (any type) Joint Venture LLC Partnership (any type)
 Sole Proprietor Other (specify): _____

Address: _____

City: _____ State: _____ Zip: _____

Phone : _____ Fax : _____

E-mail: _____

Provide your e-mail address and/or fax number in order to receive notices regarding this form by e-mail or fax.

Section 2: Principal Officers

Please fill in the required identification information for each officer listed below. If the entity has no such officer or its equivalent, please check "This position does not exist." If the entity is filing a Change Form and the person listed is replacing someone who was previously disclosed, please check "This person replaced..." and fill in the name of the person being replaced so his/her name can be removed from the *Doing Business Database*, and indicate the date that the change became effective.

Chief Executive Officer (CEO) or equivalent officer

This position does not exist

The highest ranking officer or manager, such as the President, Executive Director, Sole Proprietor or Chairperson of the Board.

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

This person replaced former CEO: _____ on date: _____

Chief Financial Officer (CFO) or equivalent officer

This position does not exist

The highest ranking financial officer, such as the Treasurer, Comptroller, Financial Director or VP for Finance.

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

This person replaced former CFO: _____ on date: _____

Chief Operating Officer (COO) or equivalent officer

This position does not exist

The highest ranking operational officer, such as the Chief Planning Officer, Director of Operations or VP for Operations.

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

This person replaced former COO: _____ on date: _____

Section 3: Principal Owners

Please fill in the required identification information for all individuals who, through stock shares, partnership agreements or other means, **own or control 10% or more of the entity**. If no individual owners exist, please check the appropriate box to indicate why and skip to the next page. If the entity is owned by other companies, those companies do **not** need to be listed. If an owner was identified on the previous page, fill in his/her name and write "See above." If the entity is filing a Change Form, list any individuals who are no longer owners at the bottom of this page. If more space is needed, attach additional pages labeled "Additional Owners."

There are no owners listed because (select one):

- The entity is not-for-profit
- There are no individual owners
- No individual owner holds 10% or more shares in the entity
- Other (explain): _____

Principal Owners (who own or control 10% or more of the entity):

First Name: _____ MI: _____ Last: _____
 Office Title: _____
 Employer (if not employed by entity): _____
 Birth Date (mm/dd/yy): _____ Home Phone #: _____
 Home Address: _____

First Name: _____ MI: _____ Last: _____
 Office Title: _____
 Employer (if not employed by entity): _____
 Birth Date (mm/dd/yy): _____ Home Phone #: _____
 Home Address: _____

First Name: _____ MI: _____ Last: _____
 Office Title: _____
 Employer (if not employed by entity): _____
 Birth Date (mm/dd/yy): _____ Home Phone #: _____
 Home Address: _____

Remove the following previously-reported Principal Owners:

Name: _____ Removal Date: _____
 Name: _____ Removal Date: _____
 Name: _____ Removal Date: _____

Section 4: Senior Managers

Please fill in the required identification information for all senior managers who oversee any of the entity's relevant transactions with the City (e.g., contract managers if this form is for a contract award/proposal, grant managers if for a grant, etc.). Senior managers include anyone who, either by title or duties, has substantial discretion and high-level oversight regarding the solicitation, letting or administration of any transaction with the City. **At least one senior manager must be listed, or the Data Form will be considered incomplete.** If a senior manager has been identified on a previous page, fill in his/her name and write "See above." If the entity is filing a Change Form, list individuals who are no longer senior managers at the bottom of this section. If more space is needed, attach additional pages labeled "Additional Senior Managers."

Senior Managers:

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

First Name: _____ MI: _____ Last: _____

Office Title: _____

Employer (if not employed by entity): _____

Birth Date (mm/dd/yy): _____ Home Phone #: _____

Home Address: _____

Remove the following previously-reported Senior Managers:

Name: _____ Removal Date: _____

Name: _____ Removal Date: _____

Certification

I certify that the information submitted on these four pages and _____ additional pages is accurate and complete. I understand that willful or fraudulent submission of a materially false statement may result in the entity being found non-responsible and therefore denied future City awards.

Name: _____

Signature: _____ Date: _____

Entity Name: _____

Title: _____ Work Phone #: _____

Return the completed Data Form to the agency that supplied it.

For information or assistance, call the Doing Business Accountability Project at 212-788-8104.



DOING BUSINESS ACCOUNTABILITY PROJECT
QUESTIONS AND ANSWERS ABOUT THE DOING BUSINESS DATA FORM

What is the purpose of this *Data Form*?

To collect accurate, up-to-date identification information about entities that have business dealings with the City of New York in order to comply with Local Law 34 of 2007 (LL 34), the recently passed campaign finance reform law. LL 34 limits municipal campaign contributions from principal officers, owners and senior managers of these entities and mandates the creation of a *Doing Business Database* to allow the City to enforce the law. The information requested in this *Data Form* must be provided, regardless of whether the entity or the people associated with it make or intend to make campaign contributions. No sensitive personal information collected will be disclosed to the public.

Why have I received this *Data Form*?

The contract, franchise, concession, grant or economic development agreement you are proposing on, applying for or have already been awarded is considered a business dealing with the City under LL 34. No proposal or application will be considered and no award will be made unless this *Data Form* is completed. Most transactions valued at more than \$5,000 are considered business dealings and require completion of the *Data Form*. Exceptions include transactions awarded on an emergency basis or by publicly advertised, non-pre-qualified competitive sealed bid. Other types of transactions that are considered business dealings include real property and land use actions with the City.

What entities will be included in the *Doing Business Database*?

Entities that hold \$100,000 or more in grants, contracts for goods or services, franchises or concessions (\$500,000 or more for construction contracts), along with entities that hold any economic development agreements or pension fund investment contracts, are considered to be doing business with the City for the purposes of LL 34 and will be included in the *Doing Business Database*. Because all of the business that an entity does or proposes to do with the City will be added together, the *Data Form* must be completed for all covered transactions even if an entity does not currently do enough business with the City to be listed in the *Database*.

What individuals will be included in the *Doing Business Database*?

The principal officers, owners and certain senior managers of entities listed in the *Doing Business Database* are themselves considered to be doing business with the City and will also be included in the *Database*.

- **Principal Officers** are the Chief Executive Officer (CEO), Chief Financial Officer (CFO) and Chief Operating Officer (COO), or their functional equivalents. See the *Data Form* for examples of titles that apply.
- **Principal Owners** are individuals who own or control 10% of more of the entity. This includes stockholders, partners and anyone else with an ownership or controlling interest in the entity.
- **Senior Managers** include anyone who, either by job title or actual duties, has substantial discretion and high-level oversight regarding the solicitation, letting or administration of any contract, concession, franchise, grant or economic development agreement with the City. At least one Senior Manager must be listed or the *Data Form* will be considered incomplete.

I provided some of this information on the VENDEX Questionnaire; do I have to provide it again?

Although the *Doing Business Data Form* and the VENDEX Questionnaire request some of the same information, they serve entirely different purposes. In addition, the *Data Form* requests information concerning senior managers, which is not part of the VENDEX Questionnaire.

My organization is proposing on a contract with another firm as a Joint Venture that does not exist yet; how should the *Data Form* be completed?

A joint venture that does not yet exist must submit *Data Forms* from each of its component firms. If the joint venture receives the award, it must then complete a form in the name of the joint venture.



Will the information on this *Data Form* be available to the public?

The names and titles of the officers, owners and senior managers reported on the *Data Form* will be made available to the public, as will information about the entity itself. However, personal identifying information, such as home address, home phone and date of birth, will not be disclosed to the public, and home address and phone number information will not be used for communication purposes.

No one in my organization plans to contribute to a candidate; do I have to fill out this *Data Form*?

Yes. All entities are required to return this *Data Form* with complete and accurate information, regardless of the history or intention of the entity or its officers, owners or senior managers to make campaign contributions. The *Doing Business Database* must be complete so that the Campaign Finance Board can verify whether future contributions are in compliance with the law.

I have already completed a *Doing Business Data Form*; do I have to submit another one?

Yes. An entity is required to submit a *Doing Business Data Form* each time it proposes on or enters a transaction considered business dealings with the City. However, the *Data Form* has both a No Change option, which only requires an entity to report its EIN and sign the last page, and a Change option, which allows an entity to only fill in applicable information that has changed since the previous completion of the *Data Form*. No entity should have to fill out the entire *Data Form* more than once.

How does a person remove him/herself from the *Doing Business Database*?

Any person who believes that s/he should not be listed may apply for removal from the *Database* by submitting a Request for Removal. Reasons that a person would be removed include his/her no longer being the principal officer, owner or senior manager of the entity, or the entity no longer being in business. Entities may also update their database information by submitting an update form. Both of these forms are available online at www.nyc.gov/mocs (once there, click MOCS Programs) or by calling 212-788-8104.

How long will an entity and its officers, owners and senior managers remain listed on the *Doing Business Database*?

- **Contract, Concession and Economic Development Agreement holders:** generally for the term of the transaction, plus one year.
- **Franchise and Grant holders:** from the commencement or renewal of the transaction, plus one year.
- **Pension investment contracts:** from the time of presentation on an investment opportunity or the submission of a proposal, whichever is earlier, until the end of the contract, plus one year.
- **Line item and discretionary appropriations:** from the date of budget adoption until the end of the contract, plus one year.
- **Contract proposers:** for one year from the proposal date or date of public advertisement of the solicitation, whichever is later.
- **Franchise and Concession proposers:** for one year from the proposal submission date.

For information on other transaction types, contact the Doing Business Accountability Project.

What are the new campaign contribution limits for people doing business with the City?

Contributions to City Council candidates are limited to \$250 per election cycle; \$320 to Borough President candidates; and \$400 to candidates for citywide office. Please contact the NYC Campaign Finance Board for more information at www.nyccfb.info, or 212-306-7100.

The *Data Form* is to be returned to the contracting agency.

If you have any questions about the *Data Form* please contact the Doing Business Accountability Project at 212-788-8104 or DoingBusiness@cityhall.nyc.gov.

SECTION VII

H) FHWA Requirements

FHWA BOILER PLATE
US DOT REQUIREMENTS

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

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ATTACHMENTS

- A. Employment Preference for Appalachian Contracts
(included in Appalachian contracts only)

I. GENERAL

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

- Section I, paragraph 2;
- Section IV, paragraphs 1, 2, 3, 4, and 7;
- Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6 Selection of Labor: During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II. NONDISCRIMINATION

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SIA and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

8. **Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

9. **Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1381. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276a)) the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1466) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made.

or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification

from the first day on which work is performed in the classification.

3. Payment of Fringe Benefits:

a. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly rate equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted in the contract as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the confirmation procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed.

5. Apprentices and Trainees (Programs of the U.S. DOT):

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

6. Withholding:

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

7. Overtime Requirements:

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

8. Violations:

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

9. Withholding for Unpaid Wages and Liquidated Damages:

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

1. Compliance with Copeland Regulations (29 CFR 5):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof of the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and rates and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted shall set out accurately and completely all of the information required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-006-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 5;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide safety for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 636) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, including any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 636).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervisor, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be subcontracted, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by

engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation, or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."

X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 *et seq.*, as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 *et seq.*, as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 18) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 306 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

1. Instructions for Certification - Primary Covered Transactions:

(Applicable to all Federal-aid contracts - 40 CFR 20)

a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and

frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "List of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Primary Covered Transactions

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Covered Transactions:

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 40 CFR 20)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

XL. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 48 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-L.L.L., "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**ATTACHMENT A - EMPLOYMENT PREFERENCE FOR
APPALACHIAN CONTRACTS**
(Applicable to Appalachian contracts only.)

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph 1c shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph 4 below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification,

(c) the date on which he estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, he shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within 1 week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph 1c above.

5. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

**UNITED STATES DEPARTMENT OF
TRANSPORTATION CONTRACTING
REQUIREMENTS**

ATTACHMENT B

1. FLY AMERICA (49 U.S.C. § 40118, 41 CFR Part 301-10)

The Contractor agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that the New York City Department of Transportation, (NYCDOT) of Federal funds and its Contractors are required to use U.S. Flag air carriers for U.S Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The Contractor shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The Contractor agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

2. BUY AMERICA (49 U.S.C. 5323(j)(2)©, 49 CFR Part 661.11)

The Contractor agrees to comply with 49 U.S.C. 5323(j) and 49 CFR Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FHWA-funded projects are produced in the United States, unless a waiver has been granted by FHWA or the product is subject to a general waiver. General waivers are listed in 49 CFR 661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler Corporation, microcomputer equipment, software, and small purchases (currently less than \$100,000) made with capital, operating, or planning funds. Separate requirements for rolling stock are set out at 5323(j)(2)(C) and 49 CFR 661.11. Rolling stock must be assembled in the United States and have a 60 percent domestic content.

A bidder or offeror must submit to NYCDOT the appropriate Buy America certification with its proposal on this contract.

3. CARGO PREFERENCE (46 U.S.C. 1241, 46 CFR Part 381)

The Contractor agrees: (a.) to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; (b.) to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to NYCDOT (through the Contractor in the case of a Subcontractor's bill-of-lading) (c.) to include these requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

4. SEISMIC SAFETY REQUIREMENTS (42 U.S.C. 7701 et seq., 49 CFR Part 41)

The Contractor agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 CFR Part 41 and will certify to compliance to the extent required by the regulation. The Contractor also agrees to ensure that all work performed under this contract including work performed by a Subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance issued on the project.

5. ENERGY CONSERVATION (42 U.S.C. §§ 6321 et seq., 49 CFR 18)

The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

6. CLEAN WATER (33 U.S.C. §§ 1251)

(1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The Contractor agrees to report each violation to NYCDOT and understands and agrees that NYCDOT will, in turn, report each violation as required to assure notification to FHWA and the appropriate EPA Regional Office.

(2) The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000.00.

7. PRE-AWARD AND POST DELIVERY AUDITS REQUIREMENTS

The Contractor agrees to comply with 49 U.S.C. § 5323(l) to submit the following certifications:

(1) Buy America Requirements: The Contractor shall complete and submit a declaration certifying either compliance or noncompliance with Buy America. If the bidder/offeror certifies compliance with Buy America, it shall submit documentation which lists a) component and subcomponent parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and costs; and b) the location of the final assembly point for the rolling stock, including a description of the activities that will take place at the final assembly point and the cost of final assembly.

(2) Solicitation Specification Requirements: The Contractor shall submit evidence that it will be capable of meeting the specifications of the solicitation.

8. LOBBYING (31 U.S.C. 1352, 49 CFR Parts 19 & 20)

The Contractor who apply or propose for an award of \$100,000 or more shall file the certification required by 49 CFR Parts 19 & Part 20, "New Restrictions on Lobbying." Each tier of Contractor certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to NYCDOT.

9. ACCESS TO RECORDS AND REPORTS (49 C.F.R. 5325, 18 CFR 18.36(d))

The Contractor shall comply with the following access to records requirements:

1. In accordance with 18 CFR 18.36(i), the Contractor agrees to provide NYCDOT, the Federal Highway Administration ("FHWA") Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions. Contractor also agrees to provide the FHWA Administrator or his/her authorized representatives access to Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. 5302(a) 1, which is receiving federal financial assistance through the programs described at 49 U.S.C. 5307, 5309 or 5311.
2. Where NYCDOT, in accordance with 49 U.S.C. 5325(a) enters into a contract for a capital project or improvement (defined at 49 U.S.C. 5302(a) (1) through other than competitive bidding, the Contractor shall make available records related to the contract to NYCDOT, the Secretary of Transportation and the Comptroller General or any authorized officer or employee of any of them for the purposes of conducting an audit and inspection.
3. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.
4. The Contractor agrees to maintain all books, records, accounts and reports required under this contract for a period of not less than three years after the date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until NYCDOT, the FHWA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto. (Reference 49 CFR 18.39 (i)(11)).

10. FEDERAL CHANGES (49 CFR Part 18)

The Contractor shall at all times comply with all applicable FHWA regulations, policies, procedures and directives, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

11. CLEAN AIR(42 U.S.C. §§ 7401 et seq, 40 CFR 15.61, 49 CFR Part 18)

(1) The Contractor shall agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The Contractor shall agree to report each violation to NYCDOT and understands and agrees that NYCDOT will, in turn, report each violation as required to assure notification to FHWA and the appropriate EPA Regional Office.

(2) The Contractor shall also agree to include these requirements in each subcontract exceeding \$100,000.00.

12. RECYCLED PRODUCTS (42 U.S.C. 6962, 40 CFR Part 247, Executive Order 12873)

The Contractor shall agree to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

13. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

(1) **Overtime requirements** - No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) **Violation; liability for unpaid wages; liquidated damages** - In the event of any violation of the clause set forth in paragraph (1) of this section the Contractor and any Subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and Subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) **Withholding for unpaid wages and liquidated damages** - NYCDOT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or Subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or Subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) **Subcontracts** - The Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any Subcontractor or lower tier Subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

14. NO GOVERNMENT OBLIGATION TO THIRD PARTIES

No Obligation by the Federal Government

(1) NYCDOT and the Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to NYCDOT, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

(2) The Contractor agrees to include the above clause in each subcontract. It is further agreed that the clause shall not be modified, except to identify the Subcontractor who will be subject to its provisions.

15. PROGRAM FRAUD AND FALSE OR FRAUDULENT STATEMENTS AND RELATED ACTS (31 U.S.C. 3801 et seq., 49 CFR Part 31, 18 U.S.C. 1001, 49 U.S.C. 5307)

(1) The Contractor acknowledges that the provisions of the Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. § § 3801 et seq., and U.S. DOT regulations, "Program Fraud Civil Remedies," 49 C.F.R. Part 31, apply to its actions pertaining to this project. Upon execution of the underlying contract, the Contractor certifies or affirms the truthfulness and accuracy of any statement it has made, it makes, it may make, or causes to be made, pertaining to the underlying contract or the FHWA assisted project for which this contract work is

being performed. In addition to other penalties that may be applicable, the Contractor further acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification, the Federal Government reserves the right to impose the penalties of the Program Fraud Civil Remedies Act of 1986 on the Contractor to the extent the Federal Government deems appropriate.

(2) The Contractor also acknowledges that if it makes, or causes to be made, a false, fictitious, or fraudulent claim, statement, submission, or certification to the Federal Government under a contract connected with a project that is financed in whole or in part with Federal assistance originally awarded by FHWA under the authority of 49 U.S.C. § 5307, the Government reserves the right to impose the penalties of 18 U.S.C. § 1001 and 49 U.S.C. § 5307(n)(1) on the Contractor, to the extent the Federal Government deems appropriate.

(3) The Contractor agrees to include the above two clauses in each subcontract financed in whole or in part with Federal assistance provided by FHWA. It is further agreed that the clauses shall not be modified, except to identify the subcontractor who will be subject to the provisions.

16. TERMINATION (49 U.S.C. Part 18)

The Contractor agrees to include these provisions in all subcontracts in excess of \$10,000.

a. Termination for Convenience (General Provision) NYCDOT may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in the Government's best interest. The Contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to NYCDOT to be paid the Contractor. If the Contractor has any property in its possession belonging to NYCDOT, the Contractor will account for the same, and dispose of it in the manner NYCDOT directs.

b. Termination for Default [Breach or Cause] (General Provision) If the Contractor does not deliver supplies in accordance with the contract delivery schedule, or, if the contract is for services, the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to comply with any other provisions of the contract, NYCDOT may terminate this contract for default. Termination shall be effected by serving a notice of termination on the contractor setting forth the manner in which the Contractor is in default. The Contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract.

If it is later determined by NYCDOT that the Contractor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the Contractor, NYCDOT, after setting up a new delivery of performance schedule, may allow the Contractor to continue work, or treat the termination as a termination for convenience.

c. Opportunity to Cure (General Provision) NYCDOT, in its sole discretion may, in the case of a termination for breach or default, allow the Contractor [an appropriately short period of time] in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions.

If Contractor fails to remedy to NYCDOT's satisfaction the breach or default or any of the terms, covenants, or conditions of this Contract within the period of time specified by NYCDOT after receipt by Contractor or written notice from NYCDOT setting forth the nature of said breach or default, NYCDOT shall have the right to terminate the Contract without any further obligation to Contractor. Any such termination for default shall not in any way operate to preclude NYCDOT from also pursuing all available remedies against Contractor and its sureties for said breach or default.

d. Waiver of Remedies for any Breach In the event that NYCDOT elects to waive its remedies for any breach by Contractor of any covenant, term or condition of this Contract, such waiver by NYCDOT shall not limit NYCDOT's remedies for any succeeding breach of that or of any other term, covenant, or condition of this Contract.

e. Termination for Default (Supplies and Service) If the Contractor fails to deliver supplies or to perform the services within the time specified in this contract or any extension or if the Contractor fails to comply with any other provisions of this contract, NYCDOT may terminate this contract for default. NYCDOT shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of the default. The Contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner or performance set forth in this contract.

If, after termination for failure to fulfill contract obligations, it is determined that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of NYCDOT.

f. Termination for Default (Construction) If the Contractor refuses or fails to prosecute the work or any separable part, with the diligence that will insure its completion within the time specified in this contract or any extension or fails to complete the work within this time, or if the Contractor fails to comply with any other provisions of this contract, NYCDOT may terminate this contract for default. NYCDOT shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of the default. In this event, NYCDOT may take over the work and complete it by contract or otherwise, and may take possession of and use any materials, appliances, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to NYCDOT resulting from the Contractor's refusal or failure to complete the work within specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by NYCDOT in completing the work.

The Contractor's right to proceed shall not be terminated nor the Contractor charged with damages under this clause if:

1. the delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include: acts of God, acts of NYCDOT, acts of another Contractor in the performance of a contract with NYCDOT, epidemics, quarantine restrictions, strikes, freight embargoes; and
2. the Contractor, within [10] days from the beginning of any delay, notifies NYCDOT in writing of the causes of delay. If in the judgment of NYCDOT, the delay is excusable, the time for completing the work shall be extended. The judgment of NYCDOT shall be final and conclusive on the parties, but subject to appeal under the Disputes clauses.

If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been issued for the convenience of NYCDOT.

g. Termination for Convenience of Default (Cost-Type Contracts) NYCDOT may terminate this contract, or any portion of it, by serving a notice of termination on the Contractor. The notice shall state whether the termination is for convenience of NYCDOT or for the default of the Contractor. If the termination is for default, the notice shall state the manner in which the contractor has failed to perform the requirements of the contract. The Contractor shall account for any property in its possession paid for from funds received from NYCDOT, or property supplied to the Contractor by NYCDOT. If the termination is for default, NYCDOT may fix the fee, if

the contract provides for a fee, to be paid the contractor in proportion to the value, if any, of work performed up to the time of termination. The Contractor shall promptly submit its termination claim to NYCDOT and the parties shall negotiate the termination settlement to be paid the Contractor.

If the termination is for the convenience of NYCDOT, the Contractor shall be paid its contract close-out costs, and a fee, if the contract provided for payment of a fee, in proportion to the work performed up to the time of termination.

If, after serving a notice of termination for default, NYCDOT determines that the Contractor has an excusable reason for not performing, such as strike, fire, flood, events which are not the fault of and are beyond the control of the contractor, NYCDOT, after setting up a new work schedule, may allow the Contractor to continue work, or treat the termination as a termination for convenience.

17. CIVIL RIGHTS REQUIREMENTS (29 U.S.C. § 623, 42 U.S.C. § 2000, 42 U.S.C. § 6102, 42 U.S.C. § 12112, 42 U.S.C. § 12132, 49 U.S.C. § 5332, 29 CFR Part 1630, 41 CFR Part 60 et seq.)

(1) **Nondiscrimination** - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FHWA may issue.

(2) **Equal Employment Opportunity** - The following equal employment opportunity requirements apply to the underlying contract:

(a) **Race, Color, Creed, National Origin, Sex** - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FHWA may issue.

(b) **Age** - In accordance with Section 4 of the Age Discrimination in Employment Act of 1967, as amended, 29 U.S.C. § § 623 and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FHWA may issue.

(b) **Disabilities** - In accordance with Section 102 of the Americans with Disabilities Act, as amended, 42 U.S.C. § 12112, the Contractor agrees that it will comply with the requirements of U.S. Equal Employment Opportunity Commission, "Regulations to Implement the Equal Employment Provisions of the Americans with Disabilities

Act," 29 C.F.R. Part 1630, pertaining to employment of persons with disabilities. In addition, the Contractor agrees to comply with any implementing requirements FHWA may issue.

(c) The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FHWA, modified only if necessary to identify the affected parties.

18. DISADVANTAGED BUSINESS ENTERPRISE (DBE) (49 CFR Part 26)

This contract is subject to the requirements of Title 49, Code of Federal Regulations, Part 26, participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs. ~~The national goal for participation of Disadvantaged Business Enterprises (DBE) is 10%. The NYCDOT's overall goal for DBE participation is currently 11%. The goal for this contract shall be 7%.~~ ¹⁸ %.

The Contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of this DOT-assisted contract. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as NYCDOT deems appropriate. Each subcontract the Contractor signs with a Subcontractor must include the assurance in this paragraph (see 49 CFR 26.13(b)).

Bidders/Offerors are required to document sufficient DBE participation to meet these goals or, alternatively, document adequate good faith efforts to do so, as provided for in 49 CFR 26.53. Award of this contract is conditioned on submission of the following:

1. The names and addresses of DBE firms that will participate in this contract;
2. A description of the work each DBE will perform;
3. The dollar amount of the participation of each DBE firm participating;
4. Written documentation of the bidder/offeree's commitment to use a DBE subcontractor whose participation it submits to meet the contract goal;
5. Written confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment; and
6. If the contract goal is not met, evidence of good faith efforts to do so.

The successful bidder/offeree will be required to report its DBE participation obtained through race-neutral means throughout the period of performance.

For the purpose of design and construction work associated with this contract, the Contractor is required to pay its Subcontractors performing work related to this contract for satisfactory performance of that work no later than ~~30~~ ¹⁴ days after the Contractor's receipt of payment for that work from the NYCDOT. ~~In addition, the Contractor is required to return any retainage payments to those Subcontractors within 30 days after incremental acceptance of the Subcontractor's work by the NYCDOT and Contractor's receipt of the partial retainage payment related to the Subcontractor's work. Incremental acceptance shall be at 25%, 50%, 75% and 100% completion of~~

~~the design, and at 25%, 50%, 75% and 100% completion of the construction.~~

The Contractor must promptly notify NYCDOT, whenever a DBE Subcontractor performing work related to this contract is terminated or fails to complete its work, and must make good faith efforts to engage another DBE Subcontractor to perform at least the same amount of work. The Contractor may not terminate any DBE Subcontractor and perform that work through its own forces or those of an affiliate without prior written consent of NYCDOT.

Determining Good Faith Efforts: In determining whether or not a bidder/proposer not in compliance with NYCDOT's DBE contract goal may be awarded a NYCDOT contract, NYCDOT must decide if the efforts the bidder/proposer made to obtain DBE participation and attainment of specific contract goals were made in good faith. Efforts to meet the established goals that are unsubstantiated or insubstantial are not good faith efforts.

In order to award a contract to a bidder/proposer that has failed to meet the stated contract goal, NYCDOT must determine that a competitor actively and aggressively sought to meet the goal. Kinds of efforts that are considered demonstrative of a "good faith effort" include, but not limited to the following documented actions pursuant to 49 CFR Part 26:

1. Whether the contractor attended any pre-solicitation or pre-bid meetings that were scheduled by the recipient to inform DBEs of contracting and subcontracting opportunities;
2. Whether the contractor advertised in general circulation, trade associations, and minority-focus media concerning the subcontracting opportunities;
3. Whether the contractor provided written notice to a reasonable number of specific DBEs that their interest in the contract was being solicited, in sufficient time to allow the DBEs to participate effectively;
4. Whether the contractor followed up initial solicitations of interest by contacting DBEs to determine with certainty whether the DBEs were interested;
5. Whether the contractor selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the DBE goal (including, where appropriate, breaking down contracts into economically feasible units to facilitate DBE participation);
6. Whether the contractor provided interested DBEs with adequate information about the plans, specifications, and requirements of the contract;
7. Whether the contractor negotiated in good faith with interested DBEs, not rejecting DBEs as unqualified without sound reasons based on a thorough investigation of their capabilities;
8. Whether the contractor made efforts to assist interested DBEs in obtaining bonding, lines of credit, or insurance required by the recipient or contractor; and
9. Whether the contractor effectively used the services of available minority community organizations; minority contractor groups; local, state and federal minority business assistance offices; and other organizations that provide assistance in the recruitment and placement of DBE's.

The DBE Representative will review the data submitted under this section to determine whether the DBE requirements have been satisfied through good faith efforts.

19. NATIONAL ENVIRONMENTAL POLICY ACT ("NEPA") REQUIREMENTS

This contract is subject to NEPA. The Contractor shall be permitted to proceed with preliminary design upon registration of the contract. The contractor shall also be allowed to proceed with final **design** and construction for any projects, or portions thereof, for which the NEPA process has been completed, and may be permitted to perform any design and engineering to be undertaken for the purposes of defining the project alternatives and completing the NEPA alternatives analysis and review process; complying with other related environmental laws and **regulations**; supporting agency coordination, public involvement, permit applications, or development of mitigation plans; or developing the **design** of the preferred alternative to a higher level of detail when the lead agencies agree that it is warranted in accordance with 23 U.S.C. 139(f)(4)(D). Under no circumstances shall the Contractor proceed with final design activities and physical construction prior to the completion of the NEPA process, and until NYCDOT gives notice to proceed thereafter. Violation of this provision shall be considered a material breach of the contracts.

SECTION VII

I) FTA REQUIREMENTS & STANDARD CLAUSES FOR ALL NEW YORK STATE CONTRACTS

**FEDERAL TRANSIT ADMINISTRATION
(FTA)
THIRD PARTY REQUIREMENTS**

This contract is subject to the Federal Transit Administration (FTA) requirements for implementing the U.S. Department of Transportation (USDOT) regulations for the following areas:

1. FLY AMERICA (49 U.S.C. § 40118, 41 CFR Part 301-10)

The Contractor agrees to comply with 49 U.S.C. 40118 (the "Fly America" Act) in accordance with the General Services Administration's regulations at 41 CFR Part 301-10, which provide that the New York City Department of Transportation, (NYCDOT) of Federal funds and its Contractors are required to use U.S. Flag air carriers for U.S Government-financed international air travel and transportation of their personal effects or property, to the extent such service is available, unless travel by foreign air carrier is a matter of necessity, as defined by the Fly America Act. The Contractor shall submit, if a foreign air carrier was used, an appropriate certification or memorandum adequately explaining why service by a U.S. flag air carrier was not available or why it was necessary to use a foreign air carrier and shall, in any event, provide a certificate of compliance with the Fly America requirements. The Contractor agrees to include the requirements of this section in all subcontracts that may involve international air transportation.

2. BUY AMERICA (49 U.S.C. 5323 (j) 49 CFR Part 661)

The Contractor agrees to comply with 49 U.S.C. 5323(j) and 49 CFR Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49CFR661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler Corporation, microcomputer equipment, software, and small purchases (currently less than \$100,000) made with capital, operating, or planning funds.

Separate requirements for rolling stock are listed in 49 CFR 661. Rolling stock must be assembled in the United States and have a minimum of 60 percent domestic content.

A bidder or offeror must submit to NYCDOT the appropriate Buy America certifications with all bids on FTA-funded contracts, except those subject to a general waiver.

3. CARGO PREFERENCE (46 U.S.C. § 55305, 46 CFR Part 381)

The Contractor agrees: (a.) to use privately owned United States-Flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to the underlying contract to the extent such vessels are available at fair and reasonable rates for United States-Flag commercial vessels; (b.) to furnish within 20 working days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, "on-board" commercial ocean bill-of-lading in English for each shipment of cargo described in the preceding paragraph to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590 and to NYCDOT (through the Contractor in the case of a Subcontractor's bill-of-lading) (c.) to include these requirements in all subcontracts issued pursuant to this contract when the subcontract may involve the transport of equipment, material, or commodities by ocean vessel.

4. SEISMIC SAFETY REQUIREMENTS (42 U.S.C. 7701 et seq., 49 CFR Part 41)

The Contractor agrees that any new building or addition to an existing building will be designed and constructed in accordance with the standards for Seismic Safety required in Department of Transportation Seismic Safety Regulations 49 CFR Part 41 and will certify to compliance to the extent required by the regulation. The Contractor also agrees to ensure that all work performed under this contract including work performed by a Subcontractor is in compliance with the standards required by the Seismic Safety Regulations and the certification of compliance issued on the project.

5. ENERGY CONSERVATION (42 U.S.C. §§ 6321 et seq., 49 CFR 18)

The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

6. CLEAN WATER (33 U.S.C. §§ 1251)

(1) The Contractor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Federal Water Pollution Control Act, as amended, 33 U.S.C. 1251 et seq. The Contractor agrees to report each violation to NYCDOT and understands and agrees that NYCDOT will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

(2) The Contractor also agrees to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

7. BUS TESTING (49 U.S.C. 5324 (c), 49 CFR Part 665)

The Contractor agrees to comply with 49 USC 5323 and FTA's implementing regulation at 49 CFR Part 665 and shall perform the following:

1) A manufacturer of a new bus model or a bus produced with a major change in components or configuration shall provide a copy of the final test report to the recipient at a point in the procurement process specified by the recipient which will be prior to the recipient's final acceptance of the first vehicle.

2) A manufacturer who releases a report under paragraph 1 above shall provide notice to the operator of the testing facility that the report is available to the public.

3) If the manufacturer represents that the vehicle was previously tested, the vehicle being sold should have the identical configuration and major components as the vehicle in the test report, which must be provided to the recipient prior to recipient's final acceptance of the first vehicle. If the configuration or components are not identical, the manufacturer shall provide a description of the change and the manufacturer's basis for concluding that it is not a major change requiring additional testing.

4) If the manufacturer represents that the vehicle is "grandfathered" (has been used in mass transit service in the United States before October 1, 1988, and is currently being produced without a major change in configuration or components), the manufacturer shall provide the name and address of the recipient of such a vehicle and the details of that vehicle's configuration and major components.

8. PRE-AWARD AND POST DELIVERY AUDITS OF ROLLING STOCK REQUIREMENTS (49 CFR Part 663)

The Contractor agrees to comply with 49 U S C 5323 and FTA's implementing regulation 49 CFR Part 663 and to submit the following certifications for pre-award and post delivery audit requirements for all purchases of rolling stock :

1) Buy America Requirements: The contractor shall complete and submit a declaration certifying either compliance or non-compliance with Buy America. If the bidder/offeror certifies compliance with Buy America, it shall submit documentation which lists a) component and subcomponent parts of the rolling stock to be purchased identified by manufacturer of the parts, their country of origin and costs; and b) the location of the final assembly point for the rolling stock, including a description of the activities that will take place at the final assembly point and the cost of final assembly.

(2) Solicitation Specification Requirements: The Contractor shall submit evidence that it will be capable of meeting the bid specifications.

(3) Federal Motor Vehicle Safety Standards (FMVSS): the Contractor shall submit 1) manufacturer's FMVSS self-certification sticker information that the vehicle complies with relevant FMVSS or 2) a manufacturer's certified statement that the contracted buses will not be subject to FMVSS regulations. It is acceptable that the Contractor use one certification of FMVSS compliance as long as the certifications cover both audits.

9. LOBBYING (31 USC 1352, 49 CFR Parts 19 and 20)

The Contractor who apply or bid for an award of \$100,000 or more shall file the certification required by 49 CFR Parts 19 and 20, "New Restrictions on Lobbying". Each tier of Contractor certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 USC 1352. Such disclosures are forwarded from tier to tier up to NYCDOT.

10. ACCESS TO RECORDS AND REPORTS (49 CFR 5325, 18 CFR 18.36(i), 49 CFR 633.17)

The Contractor shall comply with the following access to records requirements:

1. In accordance with 18 CFR 18.36(i), the Contractor agrees to provide NYCDOT, the FTA Administrator, the Comptroller General of the United States or any of their authorized representatives access to any books, documents, papers and records of the Contractor which are directly pertinent to this contract for the purposes of making audits, examinations, excerpts and transcriptions. Contractor also agrees, pursuant to 49 C. F. R. 633.17 to provide the FTA Administrator or his/her authorized representatives including any PMO Contractor access to Contractor's records and construction sites pertaining to a major capital project, defined at 49 U.S.C. 5302(a) 1, which is receiving federal financial assistance through the programs described at 49 U.S.C. 5307, 5309 or 5311.

2. Where NYCDOT, in accordance with 49 U.S.C. 5325(a) enters into a contract for a capital project or improvement (defined at 49 U.S.C. 5302(a) (1) through other than competitive bidding, the Contractor shall make available records related to the contract to NYCDOT, the Secretary of Transportation and the Comptroller General or any authorized officer or employee of any of them for the purposes of conducting an audit and inspection.

3. The Contractor agrees to permit any of the foregoing parties to reproduce by any means whatsoever or to copy excerpts and transcriptions as reasonably needed.

4. The Contractor agrees to maintain all books, records, accounts, reports and other related documents required under this contract for a period of not less than three years after the date of termination or expiration of this contract, except in the event of litigation or settlement of claims arising from the performance of this contract, in which case Contractor agrees to maintain same until NYCDOT, the FTA Administrator, the Comptroller General, or any of their duly authorized representatives, have disposed of all such litigation, appeals, claims or exceptions related thereto. (Reference 49 CFR 18.39 (i)(11).

5. FTA does not require the inclusion of these requirements in subcontracts.

Requirements for Access to Records and Reports by Types of Contract

Contract Characteristics	Operational Service Contract	Turnkey	Construction	Architectural Engineering	Acquisition Rolling Stock	Professional Services
I . <u>State Grantees</u>						
a. Contracts below SAT (\$100,000)	None	Those imposed on state pass thru to Contractor	None	None	None	None
b. Contracts above \$100,000/ Capital Projects	None unless ¹ non-competitive award		Yes, if non-competitive award if funded thru ² 5307/5309/ 5311	None unless non-competitive award	None unless non-competitive award	None unless non-competitive award
II . <u>Non State Grantees</u>						
a. Contracts below SAT (\$100,000)	Yes ³	Those Imposed on non-state Grantee pass thru to Contractor	Yes	Yes	Yes	Yes
b. Contracts above \$100,000/Capital Projects	Yes ³		Yes	Yes	Yes	Yes

Sources of Authority:

¹ 49 USC 5325 (a)

² 49 CFR 633.17

³ 18 CFR 18.36 (i)

SAT: Source Acquisition Threshold

11. FEDERAL CHANGES (49 CFR Part 18)

The Contractor shall at all times comply with all applicable FTA regulations, policies, procedures and directives, including without limitation those listed directly or by reference in the [Master Agreement](#) between NYCDOT and FTA, as they may be amended or promulgated from time to time during the term of this contract. Contractor's failure to so comply shall constitute a material breach of this contract.

12. BONDING

For those construction or facility improvement contracts or subcontracts exceeding \$100,000, FTA may accept the bonding policy and requirements of NYCDOT, provided that they meet the minimum requirements for construction contracts as follows:

a. A bid guarantee from each bidder equivalent to five (5) percent of the bid price. The "bid guarantees" shall consist of a firm commitment such as a bid bond, certified check, or other negotiable instrument accompanying a bid as assurance that the bidder will, upon acceptance of his bid, execute such contractual documents as may be required within the time specified.

b. A performance bond on the part to the Contractor for 100 percent of the contract price. A "performance bond" is one executed in connection with a contract to secure fulfillment of all the Contractor's obligations under such contract.

c. A payment bond on the part of the Contractor for 100 percent of the contract price. A "payment bond" is one executed in connection with a contract to assure payment, as required by law, of all persons supplying labor and material in the execution of the work provided for in the contract. Payment bond amounts required from Contractors are as follows:

(1) 50% of the contract price if the contract price is not more than \$1 million;

(2) 40% of the contract price if the contract price is more than \$1 million but not more than \$5 million; or

(3) \$2.5 million if the contract price is more than \$5 million.

d. A cash deposit, certified check or other negotiable instrument may be accepted by a grantee in lieu of performance and payment bonds, provided the grantee has established a procedure to assure that the interest of FTA is adequately protected. An irrevocable letter of credit would also satisfy the requirement for a bond.

Bid Bond Requirements (Construction)

(a) Bid Security

A Bid Bond must be issued by a fully qualified surety company acceptable to NYCDOT and listed as a company currently authorized under 31 CFR, Part 223 as possessing a Certificate of Authority as described thereunder.

(b) Rights Reserved

In submitting this Bid, it is understood and agreed by bidder that the right is reserved by NYCDOT to reject any and all bids, or part of any bid, and it is agreed that the Bid may not be withdrawn for a period of [ninety (90)] days subsequent to the opening of bids, without the written consent of NYCDOT.

It is also understood and agreed that if the undersigned bidder should withdraw any part or all of his bid within [ninety (90)] days after the bid opening without the written consent of NYCDOT, shall refuse or be unable to enter into this Contract, as provided above, or refuse or be unable to furnish adequate and acceptable Performance Bonds and Labor and Material Payments Bonds, as provided above, or refuse or be unable to furnish adequate and acceptable insurance, as provided above, he shall forfeit his bid security to the extent of NYCDOT's damages occasioned by such withdrawal, or refusal, or inability to enter into an agreement, or provide adequate security therefore.

It is further understood and agreed that to the extent the defaulting bidder's Bid Bond, Certified Check, Cashier's Check, Treasurer's Check, and/or Official Bank Check (excluding any income generated thereby which has been retained by NYCDOT as provided in [Item x "Bid Security" of the Instructions to Bidders]) shall prove inadequate to fully recompense NYCDOT for the damages occasioned by default, then the undersigned bidder agrees to indemnify NYCDOT and pay over to NYCDOT the difference between the bid security and NYCDOT's total damages, so as to make NYCDOT whole.

The undersigned understands that any material alteration of any of the above or any of the material contained on this form, other than that requested will render the bid unresponsive.

Performance and Payment Bonding Requirements (Construction)

The Contractor shall be required to obtain performance and payment bonds as follows:

(a) Performance bonds

1. The penal amount of performance bonds shall be 100 percent of the original contract price, unless the NYCDOT determines that a lesser amount would be adequate for the protection of NYCDOT.
2. The NYCDOT may require additional performance bond protection when a contract price is increased. The increase in protection shall generally equal 100 percent of the increase in contract price. NYCDOT may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

(b) Payment bonds

1. The penal amount of the payment bonds shall equal:
 - (i) Fifty percent of the contract price if the contract price is not more than \$1 million.
 - (ii) Forty percent of the contract price if the contract price is more than \$1 million but not more than \$5 million; or
 - (iii) Two and one half million if the contract price is more than \$5 million.
2. If the original contract price is \$5 million or less, (NYCDOT) may require additional protection as required by subparagraph 1 if the contract price is increased.

Performance and Payment Bonding Requirements (Non-Construction)

The Contractor may be required to obtain performance and payment bonds when necessary to protect NYCDOT's interest. The FTA requirements apply to first tier subcontractors as well as the Contractor.

(a) The following situations may warrant a performance bond:

1. NYCDOT's property or funds are to be provided to the Contractor for use in performing the contract or as partial compensation (as in retention of salvaged material).
2. The Contractor sells assets to or merges with another concern and NYCDOT after recognizing the latter concern as the successor in interest, desires assurance that it is financially capable.
3. Substantial progress payments are made before delivery of end items starts.
4. Contracts are for dismantling, demolition, or removal of improvements.

(b) When it is determined that a performance bond is required, the Contractor shall be required to obtain performance bonds as follows:

1. The penal amount of performance bonds shall be 100% of the original contract price, unless NYCDOT determines that a lesser amount would be adequate for the protection of NYCDOT.
2. NYCDOT may require additional performance bond protection when a contract price is increased. The increase in protection shall generally equal 100% of the increase in contract price. NYCDOT may secure additional protection by directing the Contractor to increase the penal amount of the existing bond or to obtain an additional bond.

(c) A payment bond is required only when a performance bond is required, and if the use of payment bond is in NYCDOT's interest.

(d) When it is determined that a payment bond is required, the Contractor shall be required to obtain payment bonds as follows:

1. The penal amount of payment bonds shall equal:

- (i) Fifty percent of the contract price if the contract price is not more than \$1 million;
- (ii) Forty percent of the contract price if the contract price is more than \$1 million but not more than \$5 million; or
- (iii) Two and one half million if the contract price is increased.

Advance Payment Bonding Requirements

The Contractor may be required to obtain an advance payment bond if the contract contains an advance payment provision and a performance bond is not furnished. NYCDOT shall determine the amount of the advance payment bond necessary to protect NYCDOT.

Patent Infringement Bonding Requirements (Patent Indemnity)

The Contractor may be required to obtain a patent indemnity bond if a performance bond is not furnished and the financial responsibility of the Contractor is unknown or doubtful. NYCDOT shall determine the amount of the patent indemnity to protect NYCDOT.

Warranty of the Work and Maintenance Bonds

1. The Contractor warrants to NYCDOT, the Architect and/or Engineer that all materials and equipment furnished under this contract will be of highest quality and new unless otherwise specified by NYCDOT, free from faults and defects and in conformance with the contract documents. All work not so conforming to these standards shall be considered defective. If required by the Project Manager, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment.

2. The Work furnished must be of first quality and the workmanship must be the best obtainable in the various trades. The Work must be of safe, substantial and durable construction in all respects. The Contractor hereby guarantees the Work against defective materials or faulty workmanship for a minimum period of one (1) year after Final Payment by NYCDOT and shall replace or repair any defective materials or equipment or faulty workmanship during the period of the guarantee at no cost to NYCDOT. As additional security for these guarantees, the Contractor shall, prior to the release of Final Payment, furnish separate Maintenance (or Guarantee) Bonds in form acceptable to NYCDOT written by the same corporate surety that provides the Performance Bond and Labor and Material Payment Bond for this contract. These bonds shall secure the Contractor's obligation to replace or repair defective materials and faulty workmanship for a minimum period of one (1) year after Final Payment and shall be written in an amount equal to ONE HUNDRED PERCENT (100%) of the CONTRACT SUM, as adjusted (if at all).

13. CLEAN AIR(42 U.S.C. §§ 7401 et seq, 40 CFR 15.61, 49 CFR Part 18)

(1) The Contractor shall agree to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act, as amended, 42 U.S.C. §§ 7401 et seq. The Contractor shall agree to report each violation to NYCDOT and understands and agrees that NYCDOT will, in turn, report each violation as required to assure notification to FTA and the appropriate EPA Regional Office.

(2) The Contractor shall also agree to include these requirements in each subcontract exceeding \$100,000 financed in whole or in part with Federal assistance provided by FTA.

14. RECYCLED PRODUCTS (42 U.S.C. 6962, 40 CFR Part 247, Executive Order 12873)

The Contractor shall agree to comply with all the requirements of Section 6002 of the Resource Conservation and Recovery Act (RCRA), as amended (42 U.S.C. 6962), including but not limited to the regulatory provisions of 40 CFR Part 247, and Executive Order 12873, as they apply to the procurement of the items designated in Subpart B of 40 CFR Part 247.

15. DAVIS-BACON AND COPELAND ANTI-KICKBACK ACTS

1) **Minimum wages** - (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of

Labor under the Copeland Act (29 CFR Part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR Part 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph (1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(ii)(A) The Contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) Except with respect to helpers as defined as 29 CFR 5.2(n)(4), the work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) With respect to helpers as defined in 29 CFR 5.2(n)(4), such a classification prevails in the area in which the work is performed.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the Contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the Contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

(v)(A) The Contracting officer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefor only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(C) In the event the Contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the Contracting officer or will notify the Contracting officer within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(v) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(2) **Withholding** - NYCDOT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on

the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the NYCDOT may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records - (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the NYCDOT for transmission to the Federal Transit Administration. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal Stock Number 029-005-00014-1), U.S. Government Printing Office, Washington, DC 20402. The prime contractor is responsible for the submission of copies of payrolls by all Subcontractors.

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or Subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be maintained under section 5.5(a)(3)(i) of Regulations, 29 CFR part 5 and that such information is correct and complete;

(2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The Contractor or Subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Federal Transit

Administration or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) **Apprentices and trainees** - (i) Apprentices - Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a Contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or Subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator of the Wage and Hour Division of the U.S. Department of Labor determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainees - Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity - The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

(5) **Compliance with Copeland Act requirements** - The Contractor shall comply with the requirements of 29 CFR Part 3, which are incorporated by reference in this contract.

(6) **Subcontracts** - The Contractor or Subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the Federal Transit Administration may by appropriate instructions require, and also a clause requiring the Subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any Subcontractor or lower tier Subcontractor with all the contract clauses in 29 CFR 5.5.

(7) **Contract termination: debarment** - A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a Contractor and a Subcontractor as provided in 29 CFR 5.12.

(8) **Compliance with Davis-Bacon and Related Act requirements** - All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) **Disputes concerning labor standards** - Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the Contractor (or any of its Subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) **Certification of eligibility** - (i) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

16. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

(1) **Overtime requirements** - No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) **Violation; liability for unpaid wages; liquidated damages** - In the event of any violation of the clause set forth in paragraph (1) of this section the Contractor and any Subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such Contractor and Subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1) of this section.

(3) **Withholding for unpaid wages and liquidated damages** - NYCDOT shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or Subcontractor under any such contract or any other Federal contract with the same prime Contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime Contractor, such sums as may be determined to be necessary to satisfy any liabilities of such Contractor or Subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2) of this section.

(4) **Subcontracts** - The Contractor or Subcontractor shall insert in any subcontracts the clauses set forth in paragraphs (1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime Contractor shall be responsible for compliance by any Subcontractor or lower tier Subcontractor with the clauses set forth in paragraphs (1) through (4) of this section.

17. NO GOVERNMENT OBLIGATION TO THIRD PARTIES

No Obligation by the Federal Government

(1) NYCDOT and the Contractor acknowledge and agree that, notwithstanding any concurrence by the Federal Government in or approval of the solicitation or award of the underlying contract, absent the express written consent by the Federal Government, the Federal Government is not a party to this contract and shall not be subject to any obligations or liabilities to NYCDOT, Contractor, or any other party (whether or not a party to that contract) pertaining to any matter resulting from the underlying contract.

(2) The Contractor agrees to include the above clause in each subcontract financed in whole or in part with Federal assistance provided by FTA. It is further agreed that the clause shall not be modified, except to identify the Subcontractor who will be subject to its provisions.

18. FRAUD OR FRAUDULENT STATEMENTS OR CLAIMS – CIVIL AND CRIMINAL FRAUD (31 U.S.C. 3801 et seq, 49 CFR Part 31, 18 U.S.C. 1001, 49 U.S.C. 5307)

The Contractor acknowledges and agrees that:

(1) **Civil Fraud.** The Program Fraud Civil Remedies Act of 1986, as amended, 31 U.S.C. §§ 3801 *et seq.*, and U.S. DOT regulations, “Program Fraud Civil Remedies,” 49 C.F.R. Part 31, apply to the Recipient’s activities in connection with the Project. By executing the Grant Agreement or Cooperative Agreement for the Project, the Recipient certifies or affirms the truthfulness and accuracy of each statement it has made, it makes, or it may make in connection with the Project. In addition to other penalties that may apply, the Recipient also acknowledges that if it makes a false, fictitious, or fraudulent claim, statement, submission, certification, assurance, or representation to the Federal Government, the Federal Government reserves the right to impose on the Recipient the penalties of the Program Fraud Civil Remedies Act of 1986, as amended, to the extent the Federal Government deems appropriate.

(2) **Criminal Fraud.** If the Recipient makes a false, fictitious, or fraudulent claim, statement, submission, certification, assurance, or representation to the Federal Government or includes a false, fictitious, or fraudulent statement or representation in any agreement with the Federal Government in connection with a Project authorized under 49 U.S.C. chapter 53 or any other Federal law, the Federal Government reserves the right to impose on the Recipient the penalties of 49 U.S.C. § 5323(1), 18 U.S.C. § 1001 or other applicable Federal law to the extent the Federal Government deems appropriate.

19. TERMINATION (49 U.S.C. Part 18, FTA Circular 4220.1F (formerly 4220.1E)

The Contractor agrees to include these provisions in all subcontracts in excess of \$10,000.

a. Termination for Convenience (General Provision) NYCDOT may terminate this contract, in whole or in part, at any time by written notice to the Contractor when it is in the Government's best interest. The Contractor shall be paid its costs, including contract close-out costs, and profit on work performed up to the time of termination. The Contractor shall promptly submit its termination claim to NYCDOT to be paid to the Contractor. If the Contractor has any property in its possession belonging to NYCDOT, the Contractor will account for the same, and dispose of it in the manner NYCDOT directs.

b. Termination for Default [Breach or Cause] (General Provision) If the Contractor does not deliver supplies in accordance with the contract delivery schedule, or, if the contract is for services, the Contractor fails to perform in the manner called for in the contract, or if the Contractor fails to comply with any other provisions of the contract, NYCDOT may terminate this contract for default. Termination shall be effected by serving a notice of termination on the contractor setting forth the manner in which the Contractor is in default. The Contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner of performance set forth in the contract.

If it is later determined by NYCDOT that the Contractor had an excusable reason for not performing, such as a strike, fire, or flood, events which are not the fault of or are beyond the control of the Contractor, NYCDOT, after setting up a new delivery of performance schedule, may allow the Contractor to continue work, or treat the termination as a termination for convenience.

c. Opportunity to Cure (General Provision) NYCDOT, in its sole discretion may, in the case of a termination for breach or default, allow the Contractor [an appropriately short period of time] in which to cure the defect. In such case, the notice of termination will state the time period in which cure is permitted and other appropriate conditions.

If Contractor fails to remedy to NYCDOT's satisfaction the breach or default or any of the terms, covenants, or conditions of this Contract within the period of time specified by NYCDOT after receipt by Contractor or written notice from NYCDOT setting forth the nature of said breach or default, NYCDOT shall have the right to terminate the Contract without any further obligation to Contractor. Any such termination for default shall not in any way operate to preclude NYCDOT from also pursuing all available remedies against Contractor and its sureties for said breach or default.

d. Waiver of Remedies for any Breach In the event that NYCDOT elects to waive its remedies for any breach by Contractor of any covenant, term or condition of this Contract, such waiver by NYCDOT shall not limit NYCDOT's remedies for any succeeding breach of that or of any other term, covenant, or condition of this Contract.

e. Termination for Default (Supplies and Service) If the Contractor fails to deliver supplies or to perform the services within the time specified in this contract or any extension or if the Contractor fails to comply with any other provisions of this contract, NYCDOT may terminate this contract for default. NYCDOT shall terminate by delivering to the Contractor a Notice of Termination specifying the nature of the default. The Contractor will only be paid the contract price for supplies delivered and accepted, or services performed in accordance with the manner or performance set forth in this contract.

If, after termination for failure to fulfill contract obligations, it is determined that the Contractor was not in default, the rights and obligations of the parties shall be the same as if the termination had been issued for the convenience of NYCDOT.

f. Termination for Default (Construction) If the Contractor refuses or fails to prosecute the work or any separable part, with the diligence that will insure its completion within the time specified in this contract or any extension or fails to complete the work within this time, or if the Contractor fails to comply with any other provisions of this contract, NYCDOT may terminate this contract for default. NYCDOT shall terminate by delivering to the

Contractor a Notice of Termination specifying the nature of the default. In this event, NYCDOT may take over the work and complete it by contract or otherwise, and may take possession of and use any materials, appliances, and plant on the work site necessary for completing the work. The Contractor and its sureties shall be liable for any damage to NYCDOT resulting from the Contractor's refusal or failure to complete the work within specified time, whether or not the Contractor's right to proceed with the work is terminated. This liability includes any increased costs incurred by NYCDOT in completing the work.

The Contractor's right to proceed shall not be terminated nor the Contractor charged with damages under this clause if:

1. the delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of the Contractor. Examples of such causes include: acts of God, acts of NYCDOT, acts of another Contractor in the performance of a contract with NYCDOT, epidemics, quarantine restrictions, strikes, freight embargoes; and

2. the Contractor, within [10] days from the beginning of any delay, notifies NYCDOT in writing of the causes of delay. If in the judgment of NYCDOT, the delay is excusable, the time for completing the work shall be extended. The judgment of NYCDOT shall be final and conclusive on the parties, but subject to appeal under the Disputes clauses.

If, after termination of the Contractor's right to proceed, it is determined that the Contractor was not in default, or that the delay was excusable, the rights and obligations of the parties will be the same as if the termination had been issued for the convenience of NYCDOT.

g. Termination for Convenience of Default (Cost-Type Contracts) NYCDOT may terminate this contract, or any portion of it, by serving a notice of termination on the Contractor. The notice shall state whether the termination is for convenience of NYCDOT or for the default of the Contractor. If the termination is for default, the notice shall state the manner in which the contractor has failed to perform the requirements of the contract. The Contractor shall account for any property in its possession paid for from funds received from NYCDOT, or property supplied to the Contractor by NYCDOT. If the termination is for default, NYCDOT may fix the fee, if the contract provides for a fee, to be paid the contractor in proportion to the value, if any, of work performed up to the time of termination. The Contractor shall promptly submit its termination claim to NYCDOT and the parties shall negotiate the termination settlement to be paid the Contractor.

If the termination is for the convenience of NYCDOT, the Contractor shall be paid its contract close-out costs, and a fee, if the contract provided for payment of a fee, in proportion to the work performed up to the time of termination.

If, after serving a notice of termination for default, NYCDOT determines that the Contractor has an excusable reason for not performing, such as strike, fire, flood, events which are not the fault of and are beyond the control of the contractor, NYCDOT, after setting up a new work schedule, may allow the Contractor to continue work, or treat the termination as a termination for convenience.

20. GOVERNMENT-WIDE DEBARMENT AND SUSPENSION (NONPROCUREMENT)

(49 CFR 29.220(b), 49 CFR 29.940 and 49 CFR 29.945, Executive Orders 12549/12689)

Executive Orders 12549/12689, as implemented by 49 CFR Part 29, prohibits NYCDOT and sub-grantees from contracting for goods and services from organizations that have been suspended or debarred from receiving Federally-assisted contracts. As part of their applications each year, NYCDOT is required to submit a certification to the effect that NYCDOT will not enter into contracts over \$25,000 with suspended or debarred contractors and that they will require the Contractors (and subcontractors) to make the same certification to them. The Contractor agrees to include these provisions in its subcontracts over \$25,000.

The certification in this requirement is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, NYCDOT may pursue available remedies, including suspension and/or debarment. The bidder or proposer agrees to comply with the requirements of 49 CFR 29, Subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

21. PRIVACY ACT (5 U.S.C. 552)

The following requirements apply to the Contractor and its employees that administer any system of records on behalf of the Federal Government under any contract:

(1) The Contractor agrees to comply with, and assures the compliance of its employees with, the information restrictions and other applicable requirements of the Privacy Act of 1974, 5 U.S.C. § 552a. Among other things, the Contractor agrees to obtain the express consent of the Federal Government before the Contractor or its employees operate a system of records on behalf of the Federal Government. The Contractor understands that the requirements of the Privacy Act, including the civil and criminal penalties for violation of that Act, apply to those individuals involved, and that failure to comply with the terms of the Privacy Act may result in termination of the underlying contract.

(2) The Contractor also agrees to include these requirements in each subcontract to administer any system of records on behalf of the Federal Government financed in whole or in part with Federal assistance provided by FTA.

22. CIVIL RIGHTS REQUIREMENTS (29 U.S.C. § 623, 42 U.S.C. § 2000, 42 U.S.C. § 6102, 42 U.S.C. § 12112, 42 U.S.C. § 12132, 49 U.S.C. § 5332, 29 CFR Part 1630, 41 CFR Part 60 et seq.)

(1) Nondiscrimination - In accordance with Title VI of the Civil Rights Act, as amended, 42 U.S.C. § 2000d, section 303 of the Age Discrimination Act of 1975, as amended, 42 U.S.C. § 6102, section 202 of the Americans with Disabilities Act of 1990, 42 U.S.C. § 12132, and Federal transit law at 49 U.S.C. § 5332, the Contractor agrees that it will not discriminate against any employee or applicant for employment because of race, color, creed, national origin, sex, age, or disability. In addition, the Contractor agrees to comply with applicable Federal implementing regulations and other implementing requirements FTA may issue.

(2) Equal Employment Opportunity – The following equal employment opportunity requirements apply to the underlying contract:

(a) Race, Color, Creed, National Origin, Sex - In accordance with Title VII of the Civil Rights Act, as amended, 42 U.S.C. § 2000e, and Federal transit laws at 49 U.S.C. § 5332, the Contractor agrees to comply with all applicable equal employment opportunity requirements of U.S. Department of Labor (U.S. DOL) regulations, "Office of Federal Contract Compliance Programs, Equal Employment Opportunity, Department of Labor," 41 C.F.R. Parts 60 et seq., (which implement Executive Order No. 11246, "Equal Employment Opportunity," as amended by Executive Order No. 11375, "Amending Executive Order 11246 Relating to Equal Employment Opportunity," 42 U.S.C. § 2000e note), and with any applicable Federal statutes, executive orders, regulations, and Federal policies that may in the future affect construction activities undertaken in the course of the Project. The Contractor agrees to take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, national origin, sex, or age. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(b) Age - In accordance with Section 4 of the Age Discrimination in Employment Act, as amended, 29 U.S.C. § §621 through 634 and 29 CFR Part 1625, the Contractor agrees to refrain from discrimination against present and prospective employees for reason of age. In addition, the Contractor agrees to comply with any implementing requirements FTA may issue.

(c) **Disabilities** – In accordance with 49 U.S.C. § 5301(d), which states the Federal policy that elderly individuals and individuals with disabilities have the same right as other individuals to use public transportation services and facilities, and that special efforts shall be made in planning and designing those services and facilities to implement transportation accessibility rights for elderly individuals and individuals with disabilities. The Contractor shall also agree to comply with all applicable provisions of Section 504 of the Rehabilitation Act of 1973, as amended, with 29 U.S.C. § 794, which prohibits discrimination on the basis of disability; with the Americans with Disabilities Act of 1990 (ADA), as amended, 42 U.S.C. §§ 12101 *et seq.*, which requires that accessible facilities and services be made available to individuals with disabilities; and with the Architectural Barriers Act of 1968, as amended, 42 U.S.C. §§ 4151 *et seq.*, which requires that buildings and public accommodations be accessible to individuals with disabilities, and any subsequent amendments to these laws or other laws pertaining to access for individuals with disabilities to the extent applicable. In addition, the Contractor agrees to comply with applicable implementing Federal regulations and directives and any subsequent amendments that the FTA may issue.

(d) **Limited English Proficiency (LEP)** - Executive Order No. 13166, “Improving Access to Services for Persons with Limited English Proficiency,” August 11, 2000, 42 U.S.C. Section 2000d-1 note, and USDOT/FTA , “Policy Guidance Concerning Recipients’ Responsibilities to Limited English Proficient (LEP) Persons,” December 14, 2005. Contractors will comply, based on in receipt of Federal funding through NYCDOT and assisting NYCDOT in fulfilling their responsibilities to LEP persons, pursuant to Title VI of the Civil Rights Act of 1964 and implementing regulations in accordance to FTA Circular 4702.1.

(e) The Contractor also agrees to include these requirements in each subcontract financed in whole or in part with Federal assistance provided by FTA, modified only if necessary to identify the affected parties.

23. BREACHES AND DISPUTE RESOLUTION (49 CFR Part 18, FTA Circular 4220.1F)

All contracts in excess of \$100,000 shall contain provisions or conditions which will allow for administrative, contractual, or legal remedies in instances where contractors violate or breach contract terms, and provide for such sanctions and penalties as may be appropriate. FTA will not substitute its judgment for that of NYCDOT unless the matter is primarily a federal authority having proper jurisdiction.

Disputes - Disputes arising in the performance of this Contract which are not resolved by agreement of the parties shall be decided in writing by the authorized representative of NYCDOT [title of employee]. This decision shall be final and conclusive unless within ten (10) days from the date of receipt of its copy, the Contractor mails or otherwise furnishes a written appeal to the [title of employee]. In connection with any such appeal, the Contractor shall be afforded an opportunity to be heard and to offer evidence in support of its position. The decision of the [title of employee] shall be binding upon the Contractor and the Contractor shall abide by the decision.

Performance During Dispute - Unless otherwise directed by NYCDOT, Contractor shall continue performance under this Contract while matters in dispute are being resolved.

Claims for Damages - Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the party or of any of his employees, agents or others for whose acts he is legally liable, a claim for damages therefore shall be made in writing to such other party within a reasonable time after the first observance of such injury of damage.

Remedies - Unless this contract provides otherwise, all claims, counterclaims, disputes and other matters in question between NYCDOT and the Contractor arising out of or relating to this agreement or its breach will be decided by arbitration if the parties mutually agree, or in a court of competent jurisdiction within the State in which NYCDOT is located.

Rights and Remedies - The duties and obligations imposed by the Contract Documents and the rights and remedies available there under shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law. No action or failure to act by NYCDOT or Contractor shall constitute a

waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach there under, except as may be specifically agreed in writing.

24. STATE AND LOCAL LAW DISCLAIMER

The use of many of the suggested clauses are not governed by Federal law, but are significantly affected by State law. The language of the suggested clauses may need to be modified depending on state law, and that before the suggested clauses are used in the NYCDOT's procurement documents, NYCDOT should consult with its legal division.

25. DISADVANTAGED BUSINESS ENTERPRISE (DBE) (49 CFR Part 26)

In accordance to the requirements of Title 49, Code of Federal Regulations, Part 26, participation by Disadvantaged Business Enterprises in Department of Transportation Financial Assistance Programs. The national goal for participation of Disadvantaged Business Enterprises (DBE) is 10%. The NYCDOT's overall goal for DBE participation is 18%. Additionally, the DBE program dictates payment terms and conditions (including limitations on retainage) applicable to all subcontractors regardless of whether they are DBE firms or not.

The Contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of this DOT-assisted contract. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as NYCDOT deems appropriate. Within each subcontract, the Contractor signs with a Subcontractor must include the assurance in this paragraph (see 49CFR26.13(b)).

Bidders/Offerors are required to document sufficient DBE participation to meet these goals or, alternatively, document adequate good faith efforts to do so, as provided for in 49 CFR 26. Award of this contract is conditioned on submission of the following:

1. The names and addresses of DBE firms that will participate in this contract;
2. A description of the work each DBE will perform;
3. The dollar amount of the participation of each DBE firm participating;
4. Written documentation of the bidder/offeror's commitment to use a DBE subcontractor whose participation it submits to meet the contract goal;
5. Written confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment; and
6. If the contract goal is not met, evidence of good faith efforts to do so.

The successful bidder/offeror will be required to report its DBE participation obtained through race-neutral means throughout the period of performance.

The Contractor is required to pay its Subcontractors performing work related to this contract for satisfactory performance of that work no later than 30 days after the Contractor's receipt of payment for that work from the NYCDOT. In addition, the Contractor may not hold retainage from its Subcontractors. The Contractor is required to return any retainage payments to those subcontractors within 30 days after the subcontractor's work related to this contract is satisfactorily completed. The Contractor is required to return any retainage payments to those Subcontractors within 30 days after incremental acceptance of the Subcontractor's work by the NYCDOT and Contractor's receipt of the partial retainage payment related to the Subcontractor's work.

The Contractor must promptly notify NYCDOT, whenever a DBE Subcontractor performing work related to this contract is terminated or fails to complete its work, and must make good faith efforts to engage another DBE Subcontractor to perform at least the same amount of work. The Contractor may not terminate any DBE Subcontractor and perform that work through its own forces or those of an affiliate without prior written consent of NYCDOT.

26. INCORPORATION OF FEDERAL TRANSIT ADMINISTRATION (FTA) TERMS

The preceding provisions include, in part, certain Standard Terms and Conditions required by USDOT, whether or not expressly set forth in the preceding contract provisions. All contractual provisions required by USDOT, as set forth in [FTA Circular 4220.1F](#) are hereby incorporated by reference. Anything to the contrary herein notwithstanding, all FTA mandated terms shall be deemed to control in the event of a conflict with other provisions contained in this Agreement. The Contractor shall not perform any act, fail to perform any act, or refuse to comply with any of NYCDOT's requests which would cause NYCDOT to be in violation of the FTA terms and conditions.

27. DRUG AND ALCOHOL TESTING (49 U.S.C. § 5331, 49 CFR Parts 653 and 654)

FTA's drug and alcohol rules, 49 CFR 653 and 654, respectively, are unique among the regulations issued by FTA. First, they require that NYCDOT ensures that any entity performing a safety-sensitive function on NYCDOT's behalf (usually Contractor and/or Contractors) implement a complex drug and alcohol testing program that complies with Parts 653 and 654. Second, the rules condition the receipt of certain kinds of FTA funding on NYCDOT's compliance with the rules; thus, NYCDOT is not in compliance with the rules unless every entity that performs a safety-sensitive function on NYCDOT's behalf is in compliance with the rules. Third, the rules do not specify how NYCDOT ensures that its Contractors comply with them.

NYCDOT does so depends on several factors, including whether the Contractor is covered independently by the drug and alcohol rules of another Department of Transportation operating administration, the nature of the relationship that NYCDOT has with the Contractor, and the financial resources available to NYCDOT to oversee the Contractor's drug and alcohol testing program. In short, there are a variety of ways that NYCDOT can ensure that it's Contractor and/or contractors comply with the rules.

The Contractor agrees to establish and implement a drug and alcohol testing program that complies with 49 CFR Parts 653 and 654, produce any documentation necessary to establish its compliance with Parts 653 and 654, and permit any authorized representative of the United States Department of Transportation or its operating administrations, the State Oversight Agency of New York, or NYCDOT, to inspect the facilities and records associated with the implementation of the drug and alcohol testing program as required under 49 CFR Parts 653 and 654 and review the testing process. The Contractor agrees further to certify annually its compliance with Parts 653 and 654 before January 30th and to submit the Management Information System (MIS) reports before March 15th to the Commissioner of NYCDOT or designee. To certify compliance, the Contractor shall use the "Substance Abuse Certifications" in the "Annual List of Certifications and Assurances for Federal Transit Administration Grants and Cooperative Agreements," which is published annually in the Federal Register.

The Contractor agrees further to [Select a, b, or c] (a) submit upon request a copy of the Policy Statement developed to implement its drug and alcohol testing program; OR (b) adopt NYCDOT's policy statement as required under 49 CFR 653 and 654; OR (c) submit for review and approval before January 30th, a copy of its Policy Statement developed to implement its drug and alcohol testing program. In addition, the Contractor agrees to: (to be determined by NYCDOT, but may address areas such as: the selection of the certified laboratory, substance abuse professional, or Medical Review Officer, or the use of a consortium).

Appendix A

Buy America Certification

Certification requirement for procurement of steel, iron, or manufactured products.

Certificate of Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it will meet the requirements of 49 U.S.C. 5323(j)(1) and the applicable regulations in 49 CFR Part 661.

Date _____

Signature _____

Company Name _____

Title _____

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(1)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(1), but it may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(B) or (j)(2)(D) and the regulations in 49 CFR 661.7.

Date _____

Signature _____

Company Name _____

Title _____

Certification requirement for procurement of buses, other rolling stock and associated equipment.

Certificate of Compliance with 49 U.S.C. 5323(j)(2)(C).

The bidder or offeror hereby certifies that it will comply with the requirements of 49 U.S.C. 5323(j)(2)(C) and the regulations at 49 CFR Part 661.

Date _____

Signature _____

Company Name _____

Title _____

Certificate of Non-Compliance with 49 U.S.C. 5323(j)(2)(C)

The bidder or offeror hereby certifies that it cannot comply with the requirements of 49 U.S.C. 5323(j)(2)(C), but may qualify for an exception pursuant to 49 U.S.C. 5323(j)(2)(B) or (j)(2)(D) and the regulations in 49 CFR 661.7.

Date _____

Signature _____

Company Name _____

Title _____

SECTION VII

J) FHWA/FTA Forms

BUY AMERICA CERTIFICATION

NEW YORK CITY DEPARTMENT OF TRANSPORTATION

**CONTRACTOR'S (OR SUB-CONTRACTOR'S) CERTIFICATE OF COMPLIANCE WITH
CONTRACT PROVISIONS FOR BUY AMERICA**

(To be attached to each application for partial or final payment)

BUY AMERICA (49 U.S.C. 5323(j)(2)(C), 49 CFR Part 661.11)

In accordance with the requirements of 49 CFR Part 661, the Contractor agrees to comply with 49 U.S.C. 5323(j) and 49 CFR Part 661, which provide that Federal funds may not be obligated unless steel, iron, and manufactured products used in FTA-funded projects are produced in the United States, unless a waiver has been granted by FTA or the product is subject to a general waiver. General waivers are listed in 49 CFR 661.7, and include final assembly in the United States for 15 passenger vans and 15 passenger wagons produced by Chrysler Corporation, microcomputer equipment, software, and small purchases (currently less than \$100,000) made with capital, operating, or planning funds. Separate requirements for rolling stock are set out at 5323(j)(2)(C) and 49 CFR 661.11. Rolling stock must be assembled in the United States and have a 60 percent domestic content.

Please verify that all materials purchased to date are in compliance with Buy America provisions:

- All Materials are in compliance with Buy America Provisions
- Not All Materials are in compliance with Buy America Provisions; if so, provide details

Name of Contractor/ Sub-Contractor

Contract Number

Signature of Member Firm or Officer of Corporation

Title

DISCLOSURE OF LOBBYING ACTIVITIES

I _____ hereby certifies on behalf of _____
name and title of company representative name of company

will file the certification required by 49 CFR Part 20, "New Restrictions on Lobbying." Each tier certifies to the tier above that it will not and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352. Each tier shall also disclose the name of any registrant under the Lobbying Disclosure Act of 1995 who has made lobbying contacts on its behalf with non-Federal funds with respect to that Federal contract, grant or award covered by 31 U.S.C. 1352. Such disclosures are forwarded from tier to tier up to the recipient.

The Contractor certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96).

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.

The Contractor, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

Signature of Contractor's Authorized Official

Name and Title of Contractor's Authorized Official

Date

CERTIFICATION OF A CONTRACTOR REGARDING DEBARMENT, SUSPENSION AND
OTHER RESPONSIBILITY MATTERS

The Contractor _____, certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements; or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this proposal or bid had one or more public transactions (Federal, State or Local) terminated for cause or default.
5. The Contractor agrees to provide NYCDOT with immediate written notice if, at any time, it learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. Each Subcontractor or Vendor for the Contractor shall provide the same updated notice to the Contractor and the Contractor shall be solely responsible for collecting, updating and submitting updated information to NYCDOT.

NOTE: If for any reason the Contractor is unable to certify to any of the statements in this certification, the Contractor shall attach an explanation to this certification.

THE CONTRACTOR, _____ CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.

Signature and Title of Authorized Official

Date

CERTIFICATION OF A SUBCONTRACTOR/SUPPLIER REGARDING DEBARMENT,
SUSPENSION AND OTHER RESPONSIBILITY MATTERS

The Subcontractor/Supplier _____, certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this proposal or bid had one or more public transactions (Federal, State or Local) terminated for cause or default.
5. The Subcontractor agrees to provide the Contractor with immediate written notice if, at any time, it learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. Each Subcontractor or Vendor for the Contractor shall provide the same updated notice to the Contractor and the Contractor shall be solely responsible for collecting, updating and submitting updated information to NYCDOT.

NOTE: If for any reason the Subcontractor/Supplier is unable to certify to any of the statements in this certification, the Contractor shall attach an explanation to this certification.

THE SUBCONTRACTOR/SUPPLIER, _____ CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.

Signature and Title of Authorized Official

Date

Contractor Note:

Contractor must require all Subcontractors/Suppliers to complete this certification and Contractor shall submit the certifications to NYCDOT as they are received.

**DISADVANTAGED BUSINESS ENTERPRISE UTILIZATION GOALS
for
Federal Transit Administration Projects**

New York City Department of Transportation

The New York City Department of Transportation has established the following Disadvantaged Business Enterprise (DBE) utilization goal for this contract. The goal is expressed as a percentage of the total federal share of the contract. It is the Contractor's responsibility to secure DBE participation in the contract work to satisfy this goal, and to document acceptable good-faith efforts taken to fulfill the goal. Utilization is measured as the amount actually paid to DBE's, not the contract bid price for the work.

Disadvantaged Business Enterprise Utilization Goal ~~10%~~ 18 %

A list of currently certified Disadvantaged Business Enterprises can be obtained by contacting the Unified Certification Program for NYS on the web: <http://biznet.nysucp.net/>

Disadvantaged Business Enterprise Officer

The Bidder shall designate and enter below the name of the Disadvantaged Business Enterprise Officer who will have the responsibility for effectively administering and promoting an active Disadvantaged Business Enterprise Program at its firm and who must be assigned adequate authority and responsibility to do so.

Bidder Designated DBE Officer: _____
Name, Title
Telephone Number: _____
Fax Number: _____
E-Mail Address: _____

RETURN THIS PAGE WITH BID

All applicants and recipients shall agree to abide by the statements in paragraphs (1) and (2) listed below:

- 1 **"Policy.** It is the policy of USDOT that DBE's as defined in 49 CFR Part 26 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently, the DBE requirements of 49 CFR Part 26 apply to this agreement."

- 2 **"DBE Obligation.** The recipient or its contractor agrees to ensure that DBE's as defined in 49 CFR Part 26 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or in part with Federal funds provided under this agreement. In this regard, all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that

DBE's have the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of US DOT -assisted contracts.

**New York City Department of Transportation
ACCO Office of Contract Compliance
55 Water Street, Room 825
New York, NY 10041
Telephone: (212) 839-8411
Facsimile: (212)839-4237
Attention: Charles Bartolotta, DBE Representative**

**NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
DBE UTILIZATION WORKSHEET**

CONTRACT No.	COUNTY	F. A. PROJECT No.	PAGE No. ___ OF ___	DATE SUBMITTED
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<p align="center">CONTRACTOR</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>_____</p> <p>PHONE _____</p> <p>FED. ID No. _____</p>	<p align="center">SUBCONTRACTOR</p> <p>NAME _____</p> <p>ADDRESS _____</p> <p>_____</p> <p>PHONE _____</p> <p>FED. ID No. _____</p>
---	--

<p>The Contractor shall inform the Engineer in Charge the dates when the Subcontractor starts and completes all work under the subcontract. When work performed by the Subcontractor is included in an estimate for payment, labor affidavits, copies of payrolls, etc. are to be submitted in the same manner and number as required of the Prime Contractor.</p>	<p align="center">EST. BEGINNING DATE</p> <p>(Mo & Yr) ____/____</p>	<p align="center">EST. COMPLETION DATE</p> <p>(Mo & Yr) ____/____</p>
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This approval may be rescinded at any time in the progress of the work if work of the Subcontractor is determined unsatisfactory.

No Work may be assigned by the Subcontractor to a second tier Subcontractor. No work may be performed by a Subcontractor other than that specifically approved by the Regional Director. The signators below agree that violations of the foregoing may result in no payment by the City for the related work.

No work shall be started by the Subcontractor prior to filing the required insurances. The contractor and Subcontractor hereby certify that the subcontract is in writing, and contains all the pertinent provisions of the prime contract in regard to Federal, State, and City Laws and Regulations.

Contractor's Signature _____	Date _____	Subcontractor's Signature _____	Date _____
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	ITEM No.	NAME	< 100 %	BID AMOUNT		AGREED AMOUNT \$	% to CNT
				\$ SPECIALTY	\$ NON-SPECIALTY		
1							
2							
3							
4							
5							
6							
7							
8							
9							
TOTALS:				\$	\$	\$	

The Subcontractor named above is approved for utilization under the DBE General Provisions. Approval of this worksheet conveys only the Department's concurrence in the use of the named subcontractor for the items specified, and application of the DBE Agreed Amount to the participation goals of the contract. Regional approval of an Approval to Subcontract form AAPHC 89 is required prior to subletting or otherwise assigning any part of the contract.

APPROVED FOR OFFICE OF EQUAL OPPORTUNITY DEVELOPMENT AND COMPLIANCE BY: _____	DATE APPROVED ____/____/____
--	--

NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
DBE UTILIZATION WORKSHEET

New York State Department of Transportation DBE General Provisions requires that prior to contract award , Prime Contractors must obtain written consent of the Department to a utilization plan that identifies certified disadvantaged owned business enterprises that have committed to perform work on a proposed contract. Authority for approval of utilization has been delegated to the Contract Compliance Unit (CCU). The DBE Utilization Worksheet is used to describe in item detail the utilization plan for each proposed subcontractor.

DBE Provisions require Prime Contractors to obtain written consent of the Department prior to subletting or otherwise assigning any part of the contract. Authority for approval to subcontract has been delegated to the Contract Compliance Unit.

The DBE Utilization Worksheet has been designated for use as form AAPHC 89. When submitting forms for firms included in the Contractor's Utilization Plan, prepare a signed copy as described below. All DBE Utilization Worksheets are to be submitted directly to CCU as attachments to a revised Utilization Plan, form AAP 19.

CONTRACT No.: Enter New York City contract number. (Example: BRC100)

COUNTY: Enter name of county or counties of this project. (Example: Bronx)

F.A. Project No.: Enter only for Federal Aid Projects. (Example: I-87-3(177))

PAGE No.: Enter 1 of 1, 1 of 2, or 2 of 2 etc. Use additional forms as needed.

DATE SUBMITTED: Enter date completed forms are submitted to OCC (MM/DD/YY)

CONTRACTOR AND SUBCONTRACTOR DATA: Enter names, and addresses (including ZIP code), telephone numbers (including area codes) and Federal Identification Numbers for both the Contractor and Subcontractor.

EST. BEGINNING DATE: Enter estimated month and year in which subcontractor work will begin.

EST. COMPLETION DATE: Enter estimated month and year in which subcontractor work will completed.

SIGNATURES: Authorized representatives of both the prime and subcontractor sign and date.

ITEM No. AND NAME: Enter each item or specification number and name. If only part of an item is to be subcontracted check the "less than 100%" box and attach a description of the specific work to be performed.

BID AMOUNT: Enter the prime contractor total bid price for items of work being subcontracted, item by item, under appropriate heading of "Specialty" or Non-Specialty" and enter totals for each "Specialty" items, if any, are designated in the contract proposal. If only part of an item is to be subcontracted enter the amount of the prime contractor bid amount that represents the portion of the item that is being subcontracted: For other than subcontract work, i.e. material supplier and off-site trucking or other services no entry is required under "Specialty" or "Non-Specialty" headings.

DBE ONLY AGREED AMOUNT: In addition to completing the appropriate bid amount columns as described above on the utilization worksheet enter the agreed amount for each item of work to be performed by a certified DBE. Indicate if the contractor's Utilization Plan whether subcontractor, material supplier, trucker or provider of other services

TOTALS: Enter the sum of all Bid Amounts and DBE Agreed Amounts, if any.

Subcontractor Approvals and Approval Amendments will be sequentially numbered for each prime contract in the order that may be approved. An approved copy will be provided to the prime contractor and the Engineer-in-Charge of the contract in each instance.

**NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
DBE UTILIZATION WORKSHEET AMENDMENT**

CONTRACT No.	COUNTY	F. A. PROJECT No.	PAGE No. OF	DATE SUBMITTED
CONTRACTOR		SUBCONTRACTOR		
NAME _____		NAME _____		
ADDRESS _____		ADDRESS _____		
PHONE _____		PHONE _____		
FED. ID No. _____		FED. ID No. _____		

The Contractor shall inform the Engineer in Charge the dates when the Subcontractor starts and completes all work under the subcontract. When work performed by the Subcontractor is included in an estimate for payment, labor affidavits, copies of payrolls, etc. are to be submitted in the same manner and number as required of the Prime Contractor.

EST. BEGINNING DATE	EST. COMPLETION DATE
(Mo & Yr) /	(Mo & Yr) /

This approval may be rescinded at any time in the progress of the work if work of the Subcontractor is determined unsatisfactory.

No work may be assigned by the Subcontractor to a second tier Subcontractor. No work may be performed by a Subcontractor other than that specifically approved by the Regional Director. The signatories below agree that violations of the foregoing may result in no payment by the State for the related work.

No work shall be started by the Subcontractor prior to filing the required insurances. The contractor and Subcontractor hereby certify that the subcontract is in writing, and contains all the pertinent provisions of the prime contract in regard to Federal, State, and City Laws and Regulations.

Contractor's Signature	Date	Subcontractor's Signature	Date
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ONLY LIST ITEMS TO BE ADDED, DELETED, INCREASED OR DECREASED: See Instructions.

ITEM No.	NAME	Previous or New Entry	< 100%	BID AMOUNT		AGREED AMOUNT \$	% to CNT
				\$ SPECIALTY	\$ NON-SPECIALTY		
1		PREV					
		NEW					
2		PREV					
		NEW					
3		PREV					
		NEW					
4		PREV					
		NEW					
5		PREV					
		NEW					
TOTALS				\$	\$	\$	

The Subcontractor named above is approved for utilization under the DBE General Provisions. Approval of this worksheet conveys only the Department's concurrence in the use of the named subcontractor for the items specified, and application of the DBE Agreed Amount to the participation goals of the contract. Regional approval of an Approval to Subcontract (Amended) form AAPHC 89-1 is required prior to subletting or otherwise assigning any new work shown on this worksheet.

APPROVED FOR OFFICE OF EQUAL OPPORTUNITY DEVELOPMENT AND COMPLIANCE BY:	DATE APPROVED / /
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**INSTRUCTIONS FOR COMPLETING FORM AAPHC 89-1
DBE UTILIZATION WORKSHEET AMENDMENT**

New York State Department of Transportation DBE Provisions requires that prior to contract award; Prime Contractors must obtain written consent of the Department to a utilization plan that identifies certified disadvantaged owned business enterprises that have committed to perform work on a proposed contract. Authority for approval of utilization has been delegated to the Contract Compliance Unit (CCU). The DBE Utilization Worksheet is used to describe in item detail the utilization plan for each proposed subcontractor. The DBE Utilization Worksheet Amendment is used to describe in item detail any change (addition, subtraction, increase and/or decrease) to a previously approved worksheet.

DBE Provisions require Prime Contractors to obtain written consent of the Department prior to subletting or otherwise assigning any part of the contract. Authority for approval to subcontract has been delegated to the Contract Compliance Unit.

The DBE Utilization Worksheet Amendment has been designed for use as form AAPHC 89-1, when submitting forms for firms included in the Contractor's Utilization Plan, prepare a signed copy as described below. All DBE Utilization Worksheet Amendments are to be submitted directly to CCU as attachments to a revised Utilization Plan, form AAP 19c.

Approval of the Utilization Worksheet Amendment conveys only the Department's concurrence in the use of the named subcontractor for the items specified, and application of the DBE Agreed Amount to the participation goals of the contract.

Only one DBE Utilization Worksheet is to be submitted for each subcontractor on this prime contract. DO NOT submit amendments to the item(s) or amount(s) of work proposed for a subcontractor on another form AAPHC 89. After initial forms have been filed for a given subcontractor, any amendments to the item(s) or amount(s) of work to be performed by this subcontractor will be submitted on form AAPHC 89-1.

- Examples: (1) To add or delete items of work and/or increase or decrease the value of an item of work on a previously approved Utilization Worksheet: complete form AAPHC 89-1.
- (2) To transfer part of a previously approved Utilization Worksheet from one subcontractor to another previously approved subcontractor: complete two sets of forms AAPHC 89-1. On the first request approval to decrease previously approved value(s) and on the second request approval to increase previously approved value(s).
- (3) To transfer part of a previously approved Utilization Worksheet from one subcontractor to a new, not previously approved subcontractor: complete form AAPHC 89-1 and one form AAPHC 89. On the form AAPHC 89-1, request approval to decrease the value of a previously approved subcontract; on the form AAPHC 89, request approval to execute an entirely new subcontract with a new subcontractor.

AN AMENDMENT THAT REDUCES THE UTILIZATION OF AN APPROVED DBE MUST BE ACCOMPANIED BY SUPPORTING DOCUMENTATION (i.e. a letter of unavailability from the DBE).

CONTRACT NO.: Enter NYC contract number. Example: BRC100

COUNTY: Enter name of county or counties. Example: Manhattan & Brooklyn

F.A. PROJECT No.: Enter only for Federal-Aid projects. Example: I-87-3(177)

**NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
PRIME CONTRACTOR REPORT OF PAYMENTS TO DBE'S**

FINAL REPORT YES <input type="checkbox"/> NO <input type="checkbox"/>	CONTRACT NUMBER	COUNTY	REPORT DATE
CONTRACTOR		SUBCONTRACTOR	
NAME _____ ADDRESS _____ _____ PHONE _____ FED. ID No. _____	NAME _____ ADDRESS _____ _____ PHONE _____ FED. ID No. _____		
TOTAL PAYMENTS DUE: \$ _____ * FINAL RETAINAGE OR OTHER WITHHOLDING: \$ _____ TOTAL PAYMENTS \$ _____			
* STATEMENT OF EXCEPTIONS (See Instructions) _____ _____ _____			
CERTIFICATION AND NOTARIZATION			
I certify that the total payments above reflect the value of the work as stated on the original AAP 19, "Schedule of Utilization" or the most recently amended "Schedule of Utilization" and that the work was performed solely by the Subcontractor named above, through employees of the Subcontractor who were under direct supervision of employees of the Subcontractor; that payments have been made by the Contractor and received by the Subcontractor as specified above; that there were no rebates, refunds or offsets applied to any payments unless the same is noted above; and that it is known to me to be true of my own knowledge.			
Contractor's Signature _____ Title: _____		Subcontractor's Signature _____ Title: _____	
Sworn before me this _____ Day of _____, 20 _____		Sworn before me this _____ Day of _____, 20 _____	
Notary Public		Notary Public	
If this affidavit is verified by an oath administered by a Notary Public in a foreign country other than Canada, it must be accompanied by certificate authenticating the authority of the Notary who administered the oath.			

AAP 21b (6/09)
REVERSE

NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
PRIME CONTRACTOR REPORT OF PAYMENTS TO DBE'S

New York State Department of Transportation DBE General Provisions requires Prime Contractors to report payments made to Disadvantaged Business Enterprises (DBEs) that are utilized on construction contracts. Prime Contractor Report of Payments to DBE's, Form AAP21b, is required when the DBE subcontractor has completed their work or when requested by the Department. Failure by the Prime Contractor to submit this report to the Department's Project Engineer-In-Charge in accordance with the above may result in the withholding of payments.

Prepare a signed copy of AAP21b, obtain the cosignature of the subcontractor and notarization and submit the form to the Project Engineer-In-Charge.

FINAL REPORT: Check YES or NO, as appropriate, to indicate whether this AAP21b covers the month of final work performed by the Subcontractor.

CONTRACT No.: Enter New York City contract number. (Example: BRC100)

COUNTY: Enter name of county or counties of this project. (Example: Bronx)

REPORT DATE: Enter date (Month/Day/Year) to which payment amounts refer.

CONTRACTOR AND SUBCONTRACTOR DATA: Enter names, and addresses (including ZIP code), telephone numbers (including area codes) and Federal Identification Numbers for both the Contractor and Subcontractor.

TOTAL PAYMENTS DUE: Enter total of payments due to Subcontractor.

RETAINAGE OR OTHER WITHHOLDING: Enter amount (if any) due Subcontractor that is included in retainage not yet paid to the Prime Contractor, and/or other amounts (if any) paid to the Prime Contractor but not yet paid to the Subcontractor.

TOTAL PAYMENTS: Total value of Payments to Date, amount shown will be Total Payments Due less Retainage or Other withholding.

STATEMENT OF EXCEPTIONS: Prime Contractor will enter item number(s) of any work under dispute or the subject of exceptions or withholdings; and a brief description of the circumstances leading to the dispute or exception.

SIGNATURE: Authorized representatives of both the Prime Contractor and Subcontractor sign and date.

NOTARIZATION: The signatures must be notarized by a duly registered Notary Public.

**DESIGNATION OF AFFIRMATIVE ACTION REPRESENTATIVES
BY CONTRACTORS/SUBCONTRACTORS**

In accordance with Equal Employment Opportunity (EEO) and Disadvantaged/Minority/ Women's Business Enterprise (D/M/WBE) Utilization participation requirements of the New York State Department of Transportation contract identified below, the following information shall be furnished by the contractor and all subcontractors prior to approval to work.

1. **Contract No.** _____ **2. County** _____

3. **Contractor:** or **Subcontractor:**

Name _____

Address _____

City/State/Zip _____

4. **Equal Employment Opportunity Officer:**

Name _____

Title _____

Address _____

City/State/Zip _____

Telephone (____) _____

5. **Contract Site Equal Employment Opportunity Representative:**

Name _____

Title _____

Address _____

City/State/Zip _____

Telephone (____) _____

6. **Disadvantaged/ Minority/Women's Business Enterprise (D/M/WBE) Officer:**

Name _____

Title _____

Address _____

City/State/Zip _____

Telephone (____) _____

7. **Designation Submission:** Initial Revised

This form shall accompany D/W/MBE pre-award submittals AAPHC 89 to the Contract Compliance Unit.

INSTRUCTIONS

- * Prime Contractor must complete this form.
- * A Subcontractor Profile Form must be completed for EACH Subcontractor that will perform work or supply material on the contract. Make additional copies of this form as needed.
- * Please indicate if the form is the Initial, Revised or Final submission.
- * Describe Contract type as one of the following: Construction, Professional Services, or Standard Services

* Contract Info:

Type: Indicate Industry type as one of the following: Construction, Professional Services or Standard Services.

Funding: Indicate contract funding: FHWA, FTA, State, or City.

Unit/ Division: Specify unit or division letting this contract. i.e. Bridges/ Traffic/ Ferries, etc.

Contract No.: Enter New York City Contract No. as appropriate.(Example: BRC100)

Registration No.: If known, enter the Registration No. assigned to this contract.

Procurement Id No. (PIN): Enter New York City PIN No. as appropriate. (Example: 84109MBSA000)

Contract Value: Enter the Total Agreed Amount of the Proposed Contract Agreement between the Prime Contractor and the Agency for this project.

Over All Minority Goal: Enter minority percentage goal required for this contract.

MWBE / DBE: Enter minority requirement on this contract.

Contract Description: Enter project description.

* Prime Info:

Name: Enter the legal name of the Prime's firm.

Address: Enter current business address.

Phone: Enter current business phone number or a number where business representatives can be located.

Fax: Enter business fax number.

EIN No.: Enter legal Employer Identification Number (EIN) number.

E-mail: Enter e-mail address, if any.

* Subcontractor Info:

. Describe utilization as one of the following: **Subcontractor, Subconsultant, Trucking Services, Material Supplier, or Standard Services.**

. **Registered Apprenticeship Program:** Prime Contractor must indicate if Subcontractor has a Registered Apprenticeship Program. A Subcontractor in the Construction field with a contract exceeding 1M must have a Registered Apprenticeship Program in place. Subcontractors must get a letter from the Union indicating that they are signatory contractors to their unions for the trades that they intend to use on this project and that they have a Registered Apprenticeship Program with NYSDOL.

. **Licenses:** Prime Contractor must indicate whether or not a License is required for work of Subcontractor. If so, document that the Subcontractor has all **Required Licenses.** Please attached License Certificate.

Subcontract Value: Enter the Total Agreed Amount of the Proposed Contract Agreement between the Prime Contractor and the Subcontractor for this project.

Start Date: Enter estimated date in which subcontractor work will begin.

End Date: Enter estimated date in which subcontractor work will be completed.

Name: Enter the legal name of the Subcontractor's firm.

Address: Enter current business address.

Phone: Enter current business phone number or a number where business representatives can be located.

Fax: Enter business fax number.

EIN No.: Enter legal Employer Identification Number (EIN) number.

E-mail: enter e-mail address, if any.

Certified As: Indicate what type of Minority Certification and Ethnic Group Designation the Subcontractor has, if any.

* Ethnicity requirements apply **only** to **minority** subcontractors, subconsultants, material suppliers and trucking firms for reporting purposes to the NYC Small Business Services, Mayors Office of Contract Services and the Federal-Aid Construction Programs Contract Compliance Monitoring and Reporting.

Subcontract Description: Describe work to be perform by Subcontractor/ Subconsultant.

* Prime Contractor Certification:

Enter Name, Title, Signature, and Date of the Company Official completing this form.

* Submit Completed Form To:

NYC-DOT/ Contract Compliance Unit
55 Water Street - Rm: 825
New York, NY 10041-0004
Attn: Charles Bartolotta
cbartolotta@dot.nyc.gov