

December 13, 2005

Amendment No. 2

TOTAL DESIGN AND CONSTRUCTION SUPPORT SERVICES
IN CONNECTION WITH

RECONSTRUCTION OF MANHATTAN BRIDGE
CONTRACT#15 SEISMIC RETROFIT

BOROUGHES OF MANHATTAN AND BROOKLYN

CONTRACT NO.: BRC156S2

PIN: 84105MBBR059

Refer to Section VII (A) of the Request for Proposals - Proposed Contractual Agreement - Scope of Services, Peer Review Requirements

Question: Is there a conflict of interest for the prime consultant firm to subcontract out to an independent Peer Review consultant?

Answer: The scope of work for the Peer Review Consultant is deleted from this Request for Proposals.

Delete: "Pages 8 through 17" of the Scope of Services in the original RFP.

Replace with: "Pages 8 through 16" in this addendum. (Inserting Page 12, Bridge Project Data Sheet)

Refer to Section VII (E) of the Request for Proposals, Proposed Contractual Agreement, Specific Requirements, Page SR-39.

Delete: Page SR-39 of the Specific Requirements of the original RFP.

Replace with: Revised Page SR-39 in this addendum.

Refer to Section VII (E) of the Request for Proposals, Cost Proposal Form 4T2A and Cost Proposal Form 4T2B

Delete: Form 4T2A and Form 4T2B in the original RFP. (Budgetary Allowance of \$225,000, Direct Non-Salary Cost of \$15,000, & Peer Review Consultants Cost of \$350,000)

Replace with: Revised Form 4T2A and Revised Form 4T2B in this addendum. (Budgetary Allowance of \$ 270,000, & Direct Non-Salary Cost of \$45,000)

NOTE: Firms that may have picked up this RFP from the Contract Section, 40 Worth Street, Room 824A, please refer to the back cover of the RFP. Please disregard the information contained therein. The information is not relevant to the RFP.

Proposal Due Date and Time and Location:

Date: December 29, 2005
Time: NO LATER THAN 2:00 PM
Location: NYCDOT, Contract Section
40 Worth Street, 8th Floor, Room 824A
New York, New York 10013

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

Dr. Paul-Michael Kazas
Director, Capital Procurement
2 Rector Street, 8th Floor
New York, NY 10006
Telephone: (212) 442-7654
Fax: (212) 442-9885

- b) he 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;
- c) he will secure all licenses and permits, if any, that are necessary for the performance of his duties under this Contract.

In fulfillment of provision (a) above, the Engineer shall submit a resume for each employee prior to assignment to the Contract, for review and approval by the Department. 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 Commissioner, or duly authorized representative, shall have the right at all times to inspect the work of the Engineer.

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

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 Engineer shall become the property of the City upon their approval and acceptance in writing by the Commissioner or upon the termination of the Engineer's services, pursuant to Appendix "A" of this Agreement. The Engineer 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 Engineer.

TABLE 1
TIME OF COMPLETION SCHEDULE

Following are the Calendar Day Requirements for:

BIN 2-24002-7

Seismic Retrofit

| <u>Target 1</u> | <u>Target 2</u> | <u>Target 3</u> | <u>Target 4</u> | <u>Target 5</u> |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| 60 | 230 | 270 | 360 | 500 |

| <u>Target 6</u> | <u>Target 7</u> | <u>Target 8</u> | <u>Target 9</u> | <u>Target 10</u> |
|-----------------|-----------------|-----------------|-----------------|------------------|
| 660 | 820 | 860 | 890 | 910 |

NOTES

Target Date 1:

The Consultant shall complete all data collection, review of existing drawings, inspection reports, review the seismic evaluation report, perform a site inspection, recommend additional geotechnical investigation and submit an overall design plan within these many Calendar Days from Notice to Proceed (TASK 1).

Target Date 2:

The Consultant shall complete the geotechnical investigation and submit the geotechnical investigation report (TASK 2.1) within these many Calendar Days from Notice to Proceed.

Target Date 3:

The Consultant shall complete the field measurements of the vibration characteristics of the bridge suspended span and towers (TASK 2.2) within these many Calendar Days from Notice to Proceed.

Target Date 4:

The Consultant shall complete the development and adjustment of bridge models including comparison of field measured and calculated vibration characteristics of the bridge structures (TASK 2.3), as well as, the calculation of the new bridge seismic input motions (TASK 2.4) within these many Calendar Days from Notice to Proceed.

Target Date 5:

The Consultant shall complete seismic analyses, evaluate the bridge performance, establish the seismic vulnerabilities, proposed retrofits and submit a Seismic Assessment Report (TASKS 2.5, 2.6, 2.7 and 2.8) within these many Calendar Days from Notice to Proceed.

Target Date 6:

The Engineer shall submit preliminary design including drawings, specifications and construction cost estimates within these many Calendar Days from Notice to Proceed (TASK 3).

Target Date 7:

The Engineer shall complete and submit the advanced design plans (90%) within these many Calendar Days from notice to Proceed (TASK 4).

Target Date 8:

The Engineer shall complete and submit the final design plans (95%) within these many Calendar Days from Notice to Proceed (part of TASK 5).

Target Date 9:

The Consultant shall complete and submit PS & E documents with these many Calendar Days from Notice to Proceed (part of TASK 5).

Target Date 10:

The Consultant shall complete and submit Bids documents with these many Calendar Days from Notice to Proceed (TASK 6).

ATTACHMENT "A"

Number of Spans

| Structure | No. of Spans |
|--------------------|---------------------|
| Manhattan Approach | 7 |
| Suspended Span | 3 |
| Anchorage | 2 |
| Brooklyn Approach | 7 |

- Figure 1** Plan and Elevation
- Figure 2** Cross Section – Suspended Span
- Figure 3** Tower Elevation
- Figure 4** Cross Section – Approach Spans

BRIDGE PROJECT DATA

BIN #: 2-24002-7, 8

YEAR BUILT: 1909

FEATURE CARRIED: Con Edison/ NYCT

FEATURE CROSSED: East River

TYPE OF EXISTING SUPERSTRUCTURE: Suspension Bridge

RECONSTRUCTION LIMITS:

East Limit: Brooklyn Abutment West Limit: Manhattan Abutment

SURVEY LIMITS:

West Limit: Brooklyn Abutment East Limit: Manhattan Abutment

SEISMIC ASSESSMENT:

The evaluation of seismic vulnerabilities is part of this scope

ESTIMATED NUMBER OF PRELIMINARY AND FINAL PLANS:

Four Hundred (400) drawings

PRELIMINARY AND FINAL DESIGN BUDGETARY ALLOWANCES:

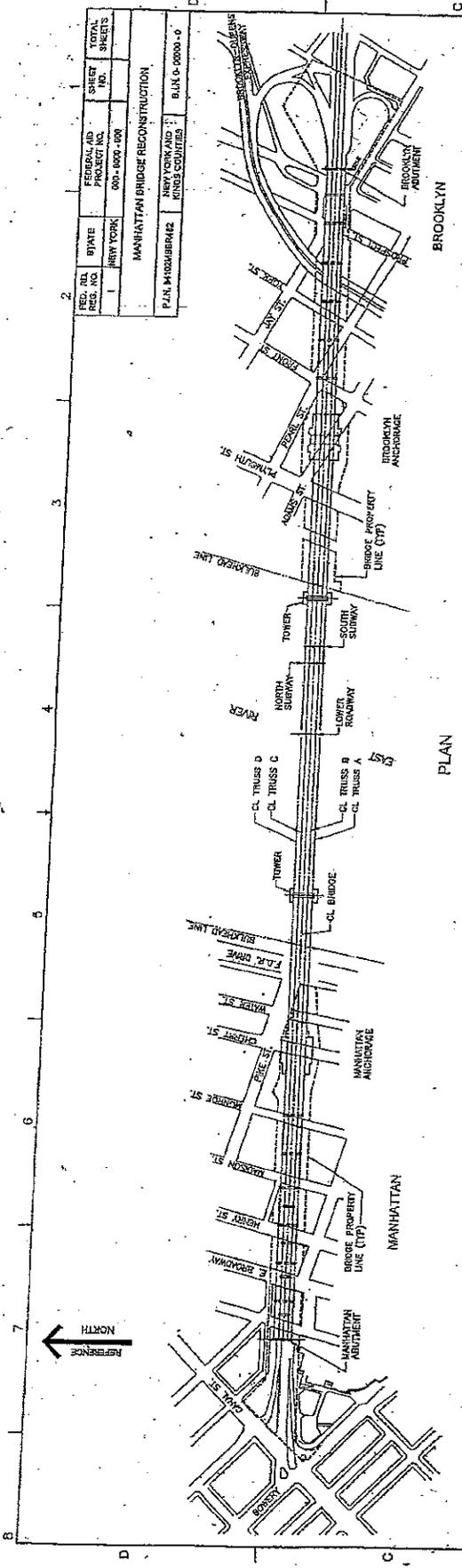
| | |
|---------------------------------------|------------------|
| TRAVEL/REPRODUCTION/MAIL | \$40,000 |
| INSPECTION EQUIPMENT, MPT | \$40,000 |
| BOREHOLES,CROSSHOLE TESTS | \$120,000 |
| <u>AMBIENT VIBRATION MEASUREMENTS</u> | <u>\$150,000</u> |
| TOTAL | \$350,000 |

PRELIMINARY AND FINAL DESIGN CONTINGENCY ALLOWANCES:

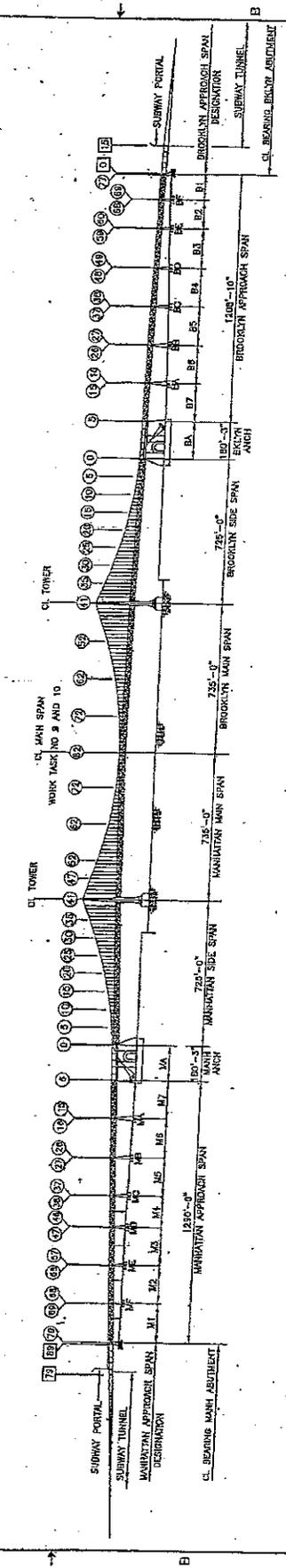
| | |
|---------------------------|------------------|
| <u>FLAGGED CONDITIONS</u> | <u>\$180,000</u> |
| Total | \$180,000 |

| <u>AVAILABILITY OF:</u> | <u>Y</u> | <u>N</u> | <u>REMARKS</u> |
|-------------------------------------|----------|----------|----------------|
| PLANS OF EXISTING BRIDGE | Y | | |
| BRIDGE INVENTORY & CONDITION REPORT | Y | | DATED: 1997 |
| BRIDGE INVENTORY LISTING | N | | DATED: |
| SEISMIC EVALUATION REPORT | Y | | DATED: 2003 |

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



PLAN



ELEVATION

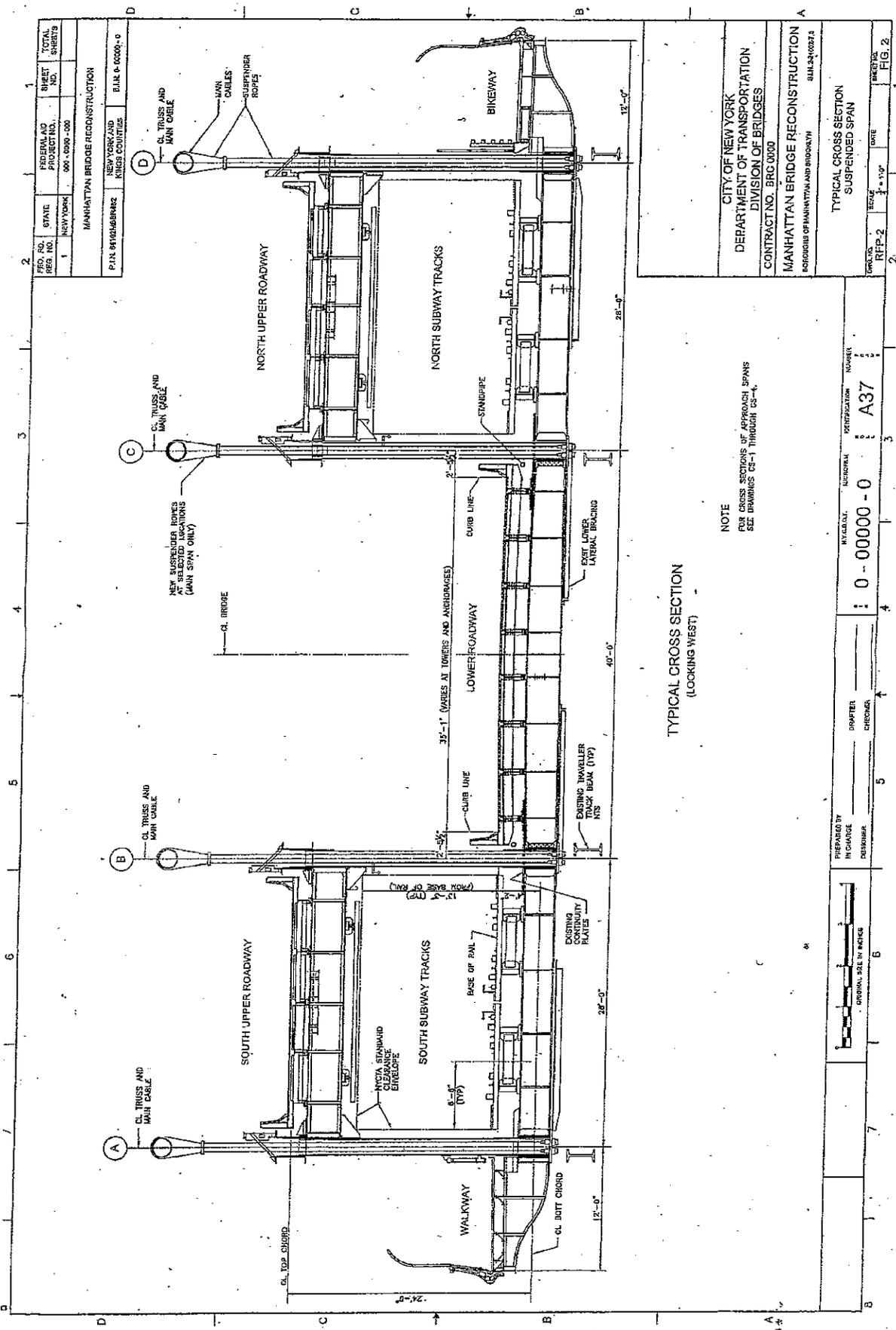
| | | | | |
|----------|----------|-------------------------|-----------|--------------|
| REC. NO. | DATE | FEDERAL AID PROJECT NO. | SHEET NO. | TOTAL SHEETS |
| 1 | NEW YORK | 000-0000-000 | | |

MANHATTAN BRIDGE RECONSTRUCTION
 NEW YORK AND KINGS COUNTIES
 PLAN C-20000-0

| | |
|---|--|
| CITY OF NEW YORK DEPARTMENT OF TRANSPORTATION DIVISION OF BRIDGES | |
| CONTRACT NO. BR0 0000 | |
| MANHATTAN BRIDGE RECONSTRUCTION LOCATION OF MANHATTAN AND BROOKLYN | |
| PLAN C-20000-0 | |

| | |
|----------------------------|---------|
| GENERAL PLAN AND ELEVATION | |
| SCALE | DATE |
| REF-1 | 1/24/67 |
| SHEET NO. | FIG. 1 |
| 8 | 1 |

| | | | |
|-----------------------|-------------|------------|------|
| PREPARED BY | DESIGNED BY | CHECKED BY | DATE |
| IN CHARGE | DESIGNER | CHECKER | |
| PROJECT NO. 0-00000-0 | | | |
| DRAWING NO. A37 | | | |
| SCALE 1" = 40' | | | |



TYPICAL CROSS SECTION
(LOOKING WEST)

NOTE
FOR CROSS SECTIONS OF APPROACH SPANS
SEE DRAWINGS CS-1 THROUGH CS-4.

| | |
|------------------------------------|--|
| CITY OF NEW YORK | |
| DEPARTMENT OF TRANSPORTATION | |
| DIVISION OF BRIDGES | |
| CONTRACT NO. BRG 0000 | |
| MANHATTAN BRIDGE RECONSTRUCTION | |
| BOROUGH OF MANHATTAN AND BRIDGEWAY | |
| SHEET 24 OF 28 | |

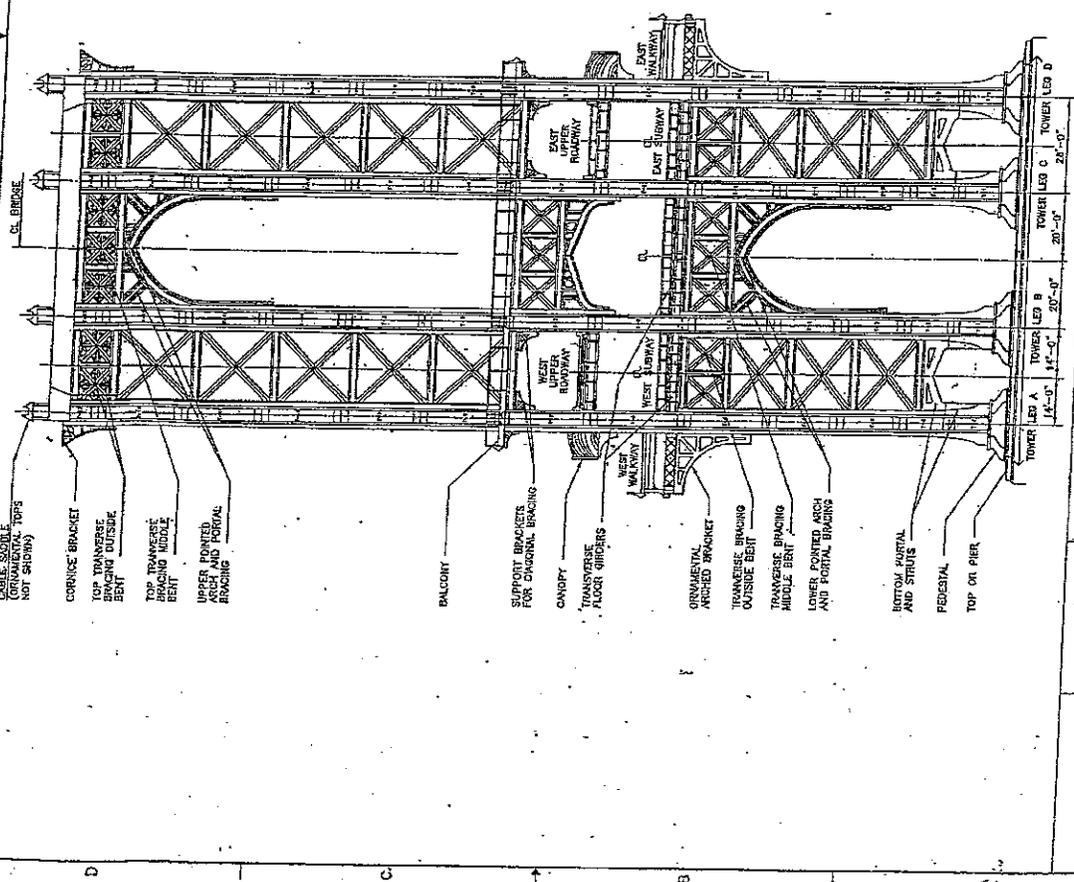
| | | | | | | | |
|-------------|-----------|----------|--------|---------|------|-----------|----------|
| PREPARED BY | IN CHARGE | DESIGNER | DRAWER | CHECKER | DATE | SHEET NO. | FIG. NO. |
| | | | | | 1-10 | 2 | FIG. 2 |

| | |
|---|------|
| TYPICAL CROSS SECTION SUSPENDED SPAN | |
| SCALE | DATE |
| 1" = 10' | |

| | | | | | |
|---------------------------------|----------|------------------------------|--------------|------------------|--------------|
| 2 | 1 | FEDERAL AID PROJECT NO. | | SHEET NO. | TOTAL SHEETS |
| NEW YORK | NEW YORK | 001-0000-000 | 000-0000-000 | 23 | 23 |
| MANHATTAN BRIDGE RECONSTRUCTION | | | | | |
| P.L.N. 64102888842 | | NEW YORK AND NEARBY COUNTIES | | D.L.N. P-10000-0 | |

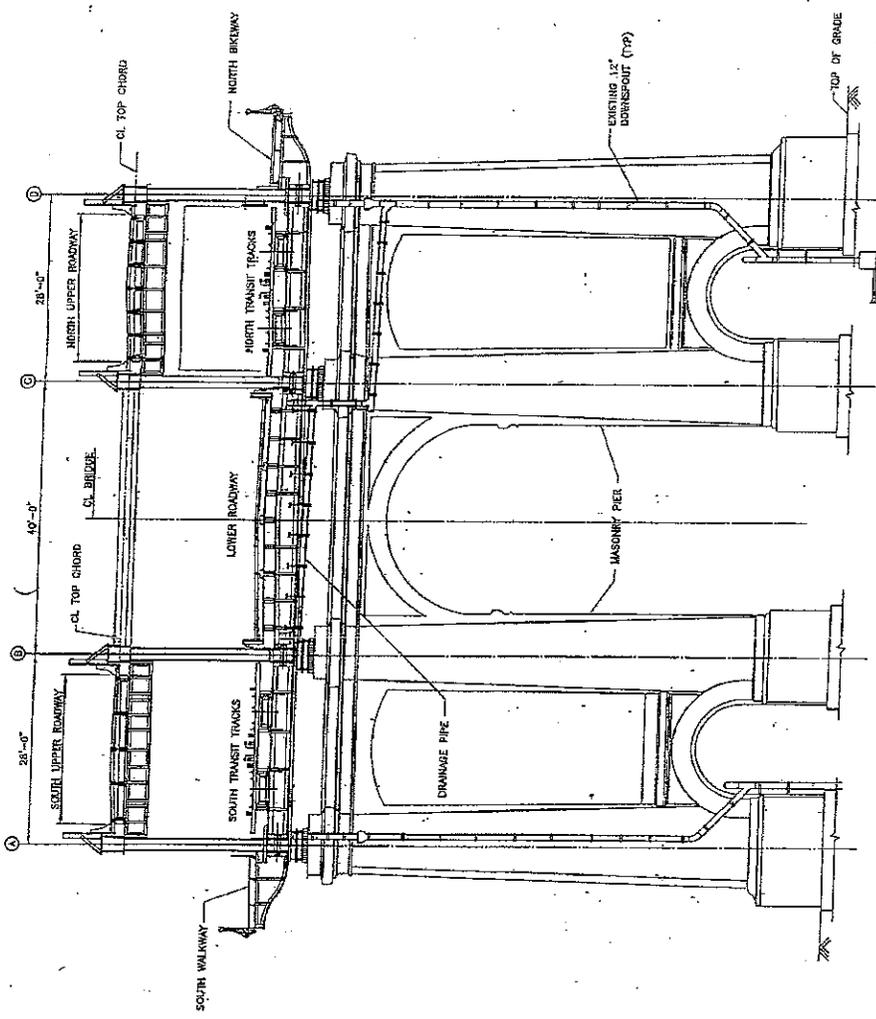
CITY OF NEW YORK
DEPARTMENT OF TRANSPORTATION
DIVISION OF BRIDGES
CONTRACT NO. BRG 0000
MANHATTAN BRIDGE RECONSTRUCTION
RECONSTRUCTION OF MANHATTAN AND BRONX TOWERS

TOWER ELEVATION
SCALE 1/8" = 1'-0"
DATE
PREPARED BY
RPP-3
FIG. 3



PROJECT NO. 0-00000-0
SECTION NUMBER A37
DRAWN BY
CHECKED BY
DESIGNED BY
REVISIONS

| | | | | |
|---------------------------------|----------|-------------------|----------------------------|--------------|
| FED. RD. DIST. NO. | STATE | FEDERAL PROJ. NO. | SHEET NO. | TOTAL SHEETS |
| 1 | NEW YORK | 500-1000-100 | 1 | 3 |
| MANHATTAN BRIDGE RECONSTRUCTION | | | | |
| P.L.A. (DRAWING) | | | NEW YORK AND KING COUNTIES | |
| P.L.A. (DRAWING) | | | S.H.K. & 0000-1 | |



| | |
|---------------------------------|--------|
| CITY OF NEW YORK | |
| DEPARTMENT OF TRANSPORTATION | |
| DIVISION OF BRIDGES | |
| CONTRACT NO. BR 6000 | |
| MANHATTAN BRIDGE RECONSTRUCTION | |
| BOROUGH OF MANHATTAN AND BRONX | |
| SHEET 2300022 | |
| CROSS SECTION - APPROACH SPAN | DATE |
| SCALE 1/4" = 1'-0" | DATE |
| SHEET NO. 1 | FIG. 4 |

| | | | | |
|-------------|----------|-------------|---------|----------------|
| DESIGNED BY | DESIGNER | NO. 00000-0 | SECTION | SECTION NUMBER |
| CHECKED BY | CHECKER | 0-00000-0 | A37 | |
| APPROVED BY | APPROVER | | | |
| DATE | | | | |



- 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 shall not exceed \$45,000.*
- c. The cost of out-of-pocket expenses for Boreholes Testing shall not exceed \$120,000, the cost of Ambient Vibration Measurements shall not exceed \$150,000, the cost of Concrete Coring Program shall not exceed \$0,* the cost of the Soils Investigation 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 \$0,* the cost of the Hydraulic Survey shall not exceed \$0,* and the cost of the Hydraulic Study 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 6.24.*

- 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 \$0,** and services provided in connection with contingent work to provide a Steel Sampling Program, as stated herein, shall not exceed \$-0-** and services provided in connection with contingent work to provide for flagged conditions, 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 subconsultants.
- 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 \$-0,** 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.

FORM 4T2A – COST PROPOSAL SUMMARY

PROJECT NAME: Reconstruction of Manhattan Bridge, Contract #15 – Seismic Retrofit, Boroughs of Manhattan & Brooklyn

PIN NO.: 84105MBBR059

CONTRACT NO.: BRC156S2

PRIME CONSULTANT: _____

CONSULTANT ON THIS FORM: _____

| | <u>(COLUMN 1)</u> | <u>(COLUMN 2)</u> | <u>(COLUMN 3)</u> | <u>(COLUMN 4)</u> | <u>(COLUMN 5)</u> |
|----|---------------------|----------------------------|---|---------------------------------------|-------------------|
| | <u>CONSULTANT</u> | <u>HOURS ALL FIRMS</u> | <u>ESCALATED LABOR COST TO PROJECT MIDPOINT</u> | <u>DIRECT NON-SALARY COST</u> | <u>TOTAL COST</u> |
| 1. | _____ | _____ | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ | _____ | _____ |
| 6. | _____ | _____ | _____ | _____ | _____ |
| 7. | _____ | _____ | _____ | _____ | _____ |
| 8. | _____ | _____ | _____ | _____ | _____ |
| 9. | Budgetary Allowance | _____ | _____ | _____ | \$270,000 |
| | TOTALS | _____ | _____ | \$45,000 | (T) |

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 4T2B – COST PROPOSAL SUMMARY

PROJECT NAME: Reconstruction of Manhattan Bridge, Contract #15 – Seismic Retrofit, Boroughs of Manhattan & Brooklyn

PIN NO.: 84105MBBR059

CONTRACT NO.: BRC156S2

PRIME CONSULTANT: _____

CONSULTANT ON THIS FORM: _____

| | <u>(COLUMN 1)</u> | <u>(COLUMN 2)</u> | <u>(COLUMN 3)</u> | <u>(COLUMN 4)</u> | <u>(COLUMN 5)</u> |
|----|---------------------|----------------------------|---|---------------------------------------|-------------------|
| | <u>CONSULTANT</u> | <u>HOURS ALL FIRMS</u> | <u>ESCALATED LABOR COST TO PROJECT MIDPOINT</u> | <u>DIRECT NON-SALARY COST</u> | <u>TOTAL COST</u> |
| 1. | _____ | _____ | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ | _____ | _____ |
| 6. | _____ | _____ | _____ | _____ | _____ |
| 7. | _____ | _____ | _____ | _____ | _____ |
| 8. | _____ | _____ | _____ | _____ | _____ |
| 9. | Budgetary Allowance | _____ | _____ | _____ | \$270,000 |
| | TOTALS | _____ | _____ | \$45,000 | (T) |

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.