

January 18, 2006

Amendment No. 2

RESIDENT ENGINEERING AND INSPECTION SERVICES
IN CONNECTION WITH

RECONSTRUCTION OF ROOSEVELT ISLAND BRIDGE
OVER EAST CHANNEL OF THE EAST RIVER

BOROUGHES OF MANHATTAN AND QUEENS

CONTRACT NO.: HBM1117A

PIN: 84105MBBR051

Refer to Section VII (A) of the Request for Proposals - Proposed Contractual Agreement - Scope of Services.

Delete: Page SR-4 in Addendum #1

Replace with: Page SR-4 of Amendment #2.

Proposal Due Date and Time and Location:

Date: January 25, 2006
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
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13. The following systems will be provided in the east operator's house:

- Electric heating and air conditioning, which will be automatically shut-off during bridge operation (except in the operator's room).
- House lighting and receptacles.
- Fire alarm and smoke detection system.
- Public address and CCTV systems.

14. The following systems will be provided in the west control house:

- Electric heating and air conditioning, which will be automatically shut-off during bridge operation (except in the operator's room).
- House lighting and receptacles.
- Fire alarm and smoke detection system.

Mechanical

1. Operating machinery in the lift towers shall be replaced with the exception of the open gearing and their shaft bearings, counterweight sheaves and counterweight sheave bearings.
2. An emergency diesel generator in the service road vault and hydraulic drive system shall be provided in each tower to operate the lift span in the event of a complete loss of electrical power.
3. All main and auxiliary counterweight ropes shall be replaced.
4. The counterweight sheave grooves shall be re-machined in place.
5. The existing air buffer cylinders shall be replaced with modern hydraulic buffer cylinders.
6. The span locks shall be rehabilitated including complete cleaning, replacement of oil seals and gaskets, and re-lubrication. A switch for interlocking of the lock bar position shall be added.
7. Replacement of all required machinery supports required for the installation of any new equipment.
8. Specifications for inspection of the two Champion lift tower elevators will be developed.
9. Rehabilitate existing tower elevators.

Fender System

1. Replacement fender system for the main navigation channel

Scour Analysis

1. Provide a 2D scour analysis for the East River at the Roosevelt Island Bridge to develop parameters (flow velocities, rip-rap sizing, etc.) for bridge pier scour mitigation. We propose to utilize the services of Earth Tech to assist with this analysis. Earth Tech is currently working on a 2D finite element scour model for the Willis Ave. Bridge that includes tidal influences from the East River. Their price includes expansion of the current model for the Roosevelt Island Bridge. We believe this is the most economical approach, since Earth Tech is currently modeling the area waters.

River Pier Scour Countermeasures and Bank Protection

1. Install scour countermeasures for pier E1 and the two lift tower piers as required per the results of the scour analysis.