Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)

Department’s Designated Representative for this Procurement is:

Patricia Kappeller
Attn: Bruckner Viaduct Deck Replacements
Contract Management Bureau
New York State Department of Transportation
50 Wolf Road, 6th Floor
Albany, New York 12232, USA
email: Patricia.Kappeller@dot.ny.gov
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)

Agenda

- Project Overview
- Department’s Goals & Project Requirements
- Scope of Work and WZTC
- Status of ROW and Utilities
- General Contract Information
- Alternative Technical Concepts
- Procurement Schedule
- One-on-One Meetings
- RFP Content
- Quality Control & Quality Assurance
- Evaluation and Selection
- Additional Information and Submission Guidelines
- Questions and Answers
## Bruckner Viaduct Deck Replacements
### Design-Build Project (PIN X731.45, D900040)

<table>
<thead>
<tr>
<th>BIN</th>
<th>County</th>
<th>Municipality</th>
<th>Carried</th>
<th>Crossed</th>
<th>Spans</th>
<th>Existing Bridge Length</th>
<th>Bridge Roadway Width</th>
<th>Existing Type of Bridge</th>
</tr>
</thead>
<tbody>
<tr>
<td>106669</td>
<td>Bronx</td>
<td>City of New York</td>
<td>I-278</td>
<td>Bruckner Blvd</td>
<td>43</td>
<td>2820 ft</td>
<td>94 ft</td>
<td>Steel Multi-Girder</td>
</tr>
<tr>
<td>106666A</td>
<td>Bronx</td>
<td>City of New York</td>
<td>RFK Bridge to I-278 NB</td>
<td>Bruckner Blvd</td>
<td>14</td>
<td>852 ft</td>
<td>47 ft</td>
<td>Steel Multi-Girder</td>
</tr>
<tr>
<td>106666B</td>
<td>Bronx</td>
<td>City of New York</td>
<td>I-278 SB to RFK Bridge</td>
<td>Bruckner Blvd</td>
<td>14</td>
<td>904 ft</td>
<td>40.5 ft</td>
<td>Steel Multi-Girder</td>
</tr>
<tr>
<td>106666C</td>
<td>Bronx</td>
<td>City of New York</td>
<td>I-278 SB to Major Deegan</td>
<td>Bruckner Blvd/Ramp AG at Cypress Ave</td>
<td>21</td>
<td>1322 ft</td>
<td>40.5 ft</td>
<td>Steel Multi-Girder</td>
</tr>
<tr>
<td>106666D</td>
<td>Bronx</td>
<td>City of New York</td>
<td>138th Street to I-278 NB</td>
<td>Bruckner Blvd</td>
<td>5</td>
<td>319 ft</td>
<td>27 ft</td>
<td>Steel Multi-Girder</td>
</tr>
<tr>
<td>1066730</td>
<td>Bronx</td>
<td>City of New York</td>
<td>RFK Bridge to NB MDE</td>
<td>I-278</td>
<td>6</td>
<td>348 ft</td>
<td>39 ft</td>
<td>Steel Multi-Girder</td>
</tr>
</tbody>
</table>
Bruckner Viaduct Deck Replacements Design-Build Project (PIN X731.45, D900040)
Bruckner Viaduct Deck Replacements
Bruckner Viaduct Deck Replacements
Project Need

- Existing bridges have been in service for over 50 years
- Spalled bridge decks and damaged bearings
- Existing bridge railings do not meet current safety standards
- Extensive steel and bridge piers deterioration
- Substandard bridge lighting and drainage
Existing Bridge Deck
Existing Bridge Deck and Piers
Existing Bearings and Steel Structure
Bruckner Viaduct Deck Replacements

Project Goals

Maximize the impact of the public investment project by:

- Providing cost-effective solutions that maximizes value over the life of the BRIDGES;
- Sequencing construction to minimize effects on vehicular traffic operations;
- Reducing future maintenance requirements;
- Minimizing effects on residential neighborhoods and business communities; and
- Minimizing impacts on the environment
- Provide the Best Value to the Department
Bruckner Viaduct Deck Replacements
General Scope of Work

- Bridge deck replacement
- Joint replacement
- Bearing replacement
- Structural steel painting
- Steel stringer repair
- Repair to substructure elements (pedestals, pier caps, abutment stems and backwalls)
- Approach slab replacement
- Bridge concrete barrier/railing replacement and upgrade
- Bridge lighting and overhead sign structure replacement
Scope of Work

- Concrete Deck Replacement
- Replace Concrete Barriers
- Replace Bearings
- Repair Structural Steel
- Repair Substructure
Bruckner Viaduct Deck Replacements
Directive Plans – Part 6

- Elastomeric Bearings
- Joint Elimination
- Link Slab requirements in Directive Plans

- Will be included in Final RFP
Bruckner Viaduct Deck Replacements
Directive Plans – Part 6 (Steel Repairs)
Bruckner Viaduct Deck Replacements
Directive Plans – Part 6 (Steel Repairs)
Bruckner Viaduct Deck Replacements
Directive Plans – Part 6 (Steel Repairs)
Bruckner Viaduct Deck Replacements
Directive Plans – Part 6 (Steel Repairs)
### FORM SCD

**SCHEDULE OF CONTRACT DURATIONS**

Table SCD - 1

<table>
<thead>
<tr>
<th>ACTIVITY</th>
<th>DURATION (Calendar Days past NTP)</th>
<th>PROJECTED COMPLETION DATE (MM/DD/YYYY)</th>
<th>LIQUIDATED DAMAGES AMOUNT (PER DAY) (See Note 2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PROJECT COMPLETION</td>
<td></td>
<td></td>
<td>$7,000</td>
</tr>
</tbody>
</table>

(See Note 1)
Bruckner Viaduct Deck Replacements
SCD Forms

Table SCD-2a relates to work performed on the mainline Bruckner Expressway and ramps within the limits of work including all associated superstructure and substructure work.

<table>
<thead>
<tr>
<th>PROJECT COMPONENT</th>
<th>TRAFFIC IMPACT DURATION (CALENDAR DAYS)</th>
<th>LIQUIDATED DAMAGES AMOUNT (PER DAY)</th>
</tr>
</thead>
<tbody>
<tr>
<td>106666C/Ramp SB</td>
<td>Max Allowed 175</td>
<td>$53,000</td>
</tr>
<tr>
<td>106666B/Ramp RC</td>
<td>Max Allowed 210</td>
<td>$85,000</td>
</tr>
<tr>
<td>1066669/Ramp NB (NB Abutment to Pier NB 25)</td>
<td>Max Allowed 230</td>
<td>$30,000</td>
</tr>
<tr>
<td>1066669/Mainline Bruckner Expwy Northbound (Pier NB 25 to Pier 43)</td>
<td>Max Allowed 240</td>
<td>$110,000</td>
</tr>
<tr>
<td>1066669/Mainline Bruckner Expwy Southbound (Pier NB 25 to Pier 43)</td>
<td>Max Allowed 240</td>
<td>$185,000</td>
</tr>
<tr>
<td>106666A/Ramp NX (See Note 7)</td>
<td>Max Allowed 180</td>
<td>$10,000</td>
</tr>
<tr>
<td>1066669/Ramp ND (See Note 7)</td>
<td>Max Allowed 85</td>
<td>$65,000</td>
</tr>
</tbody>
</table>
Table SCD-2b relates to work performed on ramp with complete ramp closure.

Table SCD – 2b

<table>
<thead>
<tr>
<th>PROJECT COMPONENT BIN (Carried/Crossed)</th>
<th>TRAFFIC IMPACT DURATION (54-HOUR WEEKEND CLOSURES) (see Note 5)</th>
<th>LIQUIDATED DAMAGES AMOUNT (PER HOUR) (See Note 6)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1066666/RAMP RD</td>
<td>Max Allowed 2</td>
<td>$3,000</td>
</tr>
</tbody>
</table>

Notes:

1.) Project Completion for the purposes of this Form SCD is defined as “All construction activities completed, no additional impacts to traffic, and complete demobilization from the work site(s)”. Remaining paperwork (i.e. As-Built Drawings, close-out documentation, payments) may occur after the Project Completion date for the purposes of this Form SCD. The Project Completion Date, to be included in the DB Agreement, Article 2.3, shall be defined by the number of calendar days past NTP as proposed by the successful Proposer and agreed to by the Department.

2.) Liquidated Damages will be assessed, in the amount indicated, for failure to achieve Project Completion by the Project Completion Date in accordance with Articles 2.3 and 19 of the DB Agreement.

3.) Indicate the Traffic Impact Duration for each Project Component. Traffic Impact Duration is defined in ITP Appendix G.

4.) Liquidated Damages will be assessed, in the amount indicated, for each calendar day that Traffic is impacted, at each site, in excess of the Duration indicated in Table SCD-2a.

5.) Indicate the Traffic Impact Duration for each Project Component. Traffic Impact Duration is defined in ITP Appendix G.

6.) Liquidated Damages will be assessed, in the amount indicated, for each hour that Traffic is impacted, at each site, in excess of the Duration indicated in Table SCD-2b.
Bruckner Viaduct Deck Replacements
Work Zone Traffic Control

- Design Builder shall implement Work Zone Traffic Control and Closures Restrictions in accordance with Section 15 of Part 3 - Project Requirement and NYCDOT OCMC Stipulations included in Part 7 – Engineering Data.

- Any changes to the OCMC permit must be performed in coordination with NYSDOT, TBTA and NYCDOT.
  - NYCDOT’s approval of any changes to the OCMC permit shall be obtained.
Bruckner Viaduct Deck Replacements
Right-of-Way

- The Department owns all Right-of-Way needed for the Project
- No additional Right-of-Way acquisitions or temporary easements are anticipated to be required for this Project
Bruckner Viaduct Deck Replacements
Agency Coordination

- NYCDOT Office of Construction Mitigation and Coordination (OCMC)
- Triborough Bridge and Tunnel Authority (TBTA)
Bruckner Viaduct Deck Replacements
Utility Coordination – Existing Utilities

In accordance with Part 4 – Utility Requirements, the Design-Builder is responsible for:

- Verifying utility facility locations
- Identifying and resolving any conflicts not yet documented
- Coordinating with utility owners for utility relocations
- Providing stakeout and final layout of utility relocations
- Protecting existing utilities
- Cost to repair damages to utilities caused by the Design-Builder
- Informing the Department of all meetings and correspondence with utility owners
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)

General Contract Information
Bruckner Viaduct Deck Replacements Design-Build Project (PIN X731.45, D900040)

- Lump Sum Design-Build Contract
- Best Value Selection Process (50% Price, 50% Quality)
- Project Completion Date shall be the earlier of:
  - December 31, 2019 or
  - The number of days past NTP proposed by the successful Proposer on Form SCD (ITP Appendix E)
- Escrow Submission of Bid Documents for Successful Proposer
The Department has undertaken a due diligence study to determine whether there will be a public benefit to implementation of a Project Labor Agreement (PLA) for the Project.

The PLA was not issued to the Proposers in the Draft RFP but will be included in the Final RFP.

Any provision in the RFP inconsistent with the provisions of an approved PLA shall be superseded by the PLA to the greatest extent permitted by federal or state law.
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)

☐ Liquidated Damages will be assessed for:

☐ Failure to achieve Project Completion by the Project Completion Date (as determined by the number of calendar days after NTP indicated in Table SCD-1 on Form SCD); and/or

☐ Failure to achieve Traffic Impact Duration (as determined by the number of days indicated in Table SCD-2a on Form SCD); and/or

☐ Exceeding the number of 54-hour Weekend Closures as indicated in Table SCD-2b on Form SCD.
There is a Schedule of Prices and a Work Payment Schedule provided in the RFP.

- Schedule of Prices (Form SP)
  - Construction Work
  - Design Services
  - Construction Inspection Services
  - Quality Control Services (Material Testing)
  - Force Account Work ($2,500,000)
  - Site Mobilization - % of Construction + Force Account (4% max)

- Work Payment Schedules (Form WPS)
  - Breakdown of Construction Work Items for each BIN
  - Input by Proposer (100% max)
Stipend to Unsuccessful Proposers (50% of Qualified Costs, $250K max.)

Must satisfy criteria in ITP General Instructions:
- Pass all Pass/Fail Factors
- Achieve at least 60 points on Quality Factors
- Proposal must be competitive and reasonable
- Proposal was not selected by the Department as providing the Best Value

There is a Buy America Clause
There is an Iran Divestment Act Clause
There is a DBE Participation Goal of TBD%
Environmental and construction related permits by Design-Builders
Alternative Technical Concepts (ATCs) are proposals from the Proposers to design and construct the Project in a manner that is different from the Contract Requirements and which:

- are submitted to the Department for review, consideration and approval prior to Proposal submittal;
- have significant savings in time, and/or reduction of traffic impacts, and/or community disruption, and/or project costs, and/or environmental impacts, and/or other beneficial impacts to Project parameters; and
- offer, in the Department’s judgment, an equal or superior Project.
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
ATCs

- Proposers may submit on a confidential basis any number of ATCs for the Department’s approval using Form ATC.
- The Department may provide ‘Conditional Approval’ of an ATC.
- The Design-Builder is solely responsible for obtaining approvals from any local municipality, public agency or permit issuing agency for ATC concepts which would affect their facilities, operations or issued permit.
- September 25th is the final date to submit ATCs for consideration.
### Bruckner Viaduct Deck Replacements  
**Design-Build Project (PIN X731.45, D900040)**  
**Anticipated Procurement Schedule**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft RFP Informational Meeting</td>
<td>July 12, 2017</td>
</tr>
<tr>
<td>Final RFP to Shortlisted Firms</td>
<td>July 26, 2017</td>
</tr>
<tr>
<td>Date Proposers may start submitting ATCs for review</td>
<td>July 27, 2017</td>
</tr>
<tr>
<td>Proposal period one-on-one meetings with all Proposers, specific dates to be determined</td>
<td>August 10-September 7, 2017</td>
</tr>
<tr>
<td>Final date for Proposers to submit ATC’s for review</td>
<td>September 25, 2017</td>
</tr>
<tr>
<td>Final date for requests for changes to Proposer’s organization and personnel</td>
<td>September 25, 2017</td>
</tr>
<tr>
<td>Final date for Department’s responses to ATCs submitted for review</td>
<td>October 2, 2017</td>
</tr>
<tr>
<td>Final date for receipt of Proposer questions</td>
<td>October 2, 2017</td>
</tr>
<tr>
<td>Final Date for proposers to respond to conditional approval of ATC’s</td>
<td>October 6, 2017</td>
</tr>
<tr>
<td>Issue Date for Final Addendum and/or answers to Proposer questions</td>
<td>October 17, 2017</td>
</tr>
<tr>
<td>Proposal Due</td>
<td>October 25, 2017</td>
</tr>
<tr>
<td>Post Proposal meetings (if required)</td>
<td>TBD</td>
</tr>
<tr>
<td>Selection of Best Value</td>
<td>Late-November, 2017</td>
</tr>
<tr>
<td>Contract Award</td>
<td>Late-January, 2018</td>
</tr>
<tr>
<td>Notice to Proceed</td>
<td>Late-January, 2018</td>
</tr>
</tbody>
</table>
Bruckner Viaduct Deck Replacements  
Design-Build Project (PIN X731.45, D900040)  
One-On-One Meetings

- One-On-One Meetings: At least one meeting will be offered to each Proposer; Dates have been set aside for:
  - August 22 & 23 and September 6 & 7
- The Department reserves the right to disclose to all Proposers any issues raised during the meetings that may materially affect the project.
- The Department will not disclose information pertaining to an individual Proposer’s technical concepts, proposal or ATCs.
- Additional One-on-One Meetings may be held if required to review ATCs, or if the Department believes it is warranted.
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
Request For Proposals (RFP) Documents

RFP Documents:

- Instructions to Proposers
- Part 1: D-B Agreement
- Part 2: General Provisions, Section DB 100 and Appendices
- Part 3: Project Requirements (Scope of Work)
- Part 4: Utility Requirements
- Part 5: Special Provisions
- Part 6: RFP Plans (Directive and Indicative)
- Part 7: Engineering Data
- Part 8: Special Specifications (Including New DB Specifications)
- Part 9: The Design-Builder’s Proposal
- Part 10: RFP Addenda (If Any)

Reference Documents: On Department’s website (Not Part of the Contract Documents)
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
Request For Proposals (RFP) Documents

- RFP Documents:
  - Instructions to Proposers
    - General Instructions
    - Appendix A – Project Information
    - Appendix B – Administrative Submittal Requirements
    - Appendix C – Technical Submittal Requirements
    - Appendix D – Price Proposal Submittal Requirements
    - Appendix E – Forms
    - Appendix F – Conflicts of Interest Policy
    - Appendix G – Abbreviations and Definitions
Quality Control is the Design-Builder’s responsibility.

The Design-Builder shall appoint a QC Manager responsible for QC Plans for both Design and Construction.

Design QC shall be the Design-Builder’s responsibility and shall be performed in accordance with the QC Plan.

The QC Plan is a living document and will be further developed and updated throughout the Project, as described in RFP Part 2.

Construction Inspection shall be performed by an Independent Engineering Firm (hired by the Design-Builder).

Materials Testing shall be performed by an Independent Materials Testing Firm or Laboratory (hired by the Design-Builder).

Offsite Plant Quality Control will be performed by the Department.
Design and Construction Quality Assurance is the Department’s responsibility.

The Department may perform QA on any of the Design-Builder’s design and construction activities.

The Department will establish and maintain its own staff, or utilize an independent consultant, to perform QA of the Design-Builder’s design and construction work.

Offsite plant Quality Assurance will be performed by the Department.

RFP Part 2 describes in detail the Department’s QA role for the Project.

Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
Quality Assurance (QA)
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
RFP Evaluation and Selection

Pass/Fail Evaluation Factors

- Legal – Financial – Administrative – DBE Compliance - Price Proposal (Bond/Conformance)

Quality Evaluation Factors (50%)

- Design-Build Organization and Process (25 Points)
  - Key Personnel (15 points)
  - Overall Design-Build Team Organization (10 points)
- Design-Build Approach to the Project (35 points)
  - Project Understanding (5 points)
  - Design Solutions (20 points)
  - Construction Approach (Means and Methods) (10 points)
- Schedule (40 points)
  - Initial Baseline Schedule (10 points)
  - Project Completion / Impacts to Traffic (30 points)

Price (50%)

Design-Builder must obtain a minimum score of 60 points on Quality Evaluation Factors.
Proposal Format Compliance:

Proposers shall comply with all formatting requirements stated in the ITP in Appendices A, B, C, and D, including page size, section length, and font size. In addition, all Proposers shall comply with the following format requirements:

- The inside and outside surfaces of all binders, and both sides of all dividers, shall be solid and shall contain only text; no pictures, renderings or graphics shall be included.

- All narrative pages, Initial Management Plan components and forms shall contain text only and shall contain no pictures, renderings or graphics.
Photographs, visualizations, and/or renderings, if requested in the ITP, shall not contain any text.

All drawings submitted as part of the Proposal shall include no narratives or text other than notes or call-outs which would typically be included on design drawings.

External web links are not to included anywhere in the Proposal.

Failure by a Proposer to follow the formatting requirements stated in the ITP will result in the particular page(s) being deleted from the Proposal before technical evaluation.

A Proposal may receive a lower score as a result of any pages removed.
Submit ALL Forms required:

- Do not alter any Form unless indicated on the Form.
- Do not add any appendices or attachments to the Forms.
- Do not include photographs or illustrations unless specifically indicated.
- Do not submit the following with Proposal:
  - Form SA (Stipend Agreement) => 20 Days after Proposal Due Date
  - Form BDEA (Bid Document Escrow Agreement)
  - PAB (Payment Bond (Labor and Material Bond))
  - PEB (Performance Bond (Faithful Performance Bond))
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)
Additional Information

- Responses to Proposer Questions will be posted on the Department’s Project Web Site.

- Reference Documents are Posted on the Department’s Project Web Site:


- Reference Documents include:
  - Project Final Design Report;
  - Record Plans;
  - Boring Logs;
  - Hazardous Materials Reports;
  - Utility Plates;
  - As-Built Lighting Plans;
  - Potentially others (To be Determined)
Bruckner Viaduct Deck Replacements Design-Build Project (PIN X731.45, D900040)

Department’s Designated Representative for this Procurement is:

Patricia Kappeller
Attn: Bruckner Viaduct Deck Replacements Contract Management Bureau
New York State Department of Transportation
50 Wolf Road, 6th Floor
Albany, New York 12232, USA
email: Patricia.Kappeller@dot.ny.gov
Bruckner Viaduct Deck Replacements
Design-Build Project (PIN X731.45, D900040)

Questions ?