Carlls Straight Path Bridge over I-495 (LIE) (BIN 1049350)
Design-Build Bridge Replacement Project
Town of Huntington, Suffolk County
Draft Request for Proposals

RFP Informational Meeting
December 9, 2013
Peter Russell
Attn: Carlls Straight Path Bridge Over I-495
Office of Contracts Management
New York State Department of Transportation
50 Wolf Road, 6th Floor
Albany, New York 12232
Peter.Russell@dot.ny.gov
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project

Agenda

- Project Overview
- Procurement Schedule
- Alternative Technical Concepts
- Department’s Goals & Project Requirements
- Scope of Work
- Status of: ROW and Utilities
- General Contract Information
- RFP Content
- Quality Control & Quality Assurance
- Evaluation and Selection
- Additional Information and Submission Guidelines
- Questions and Answers
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project

General Location

---

[Map showing general location of Carlls Straight Path Bridge over I-495]
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project

General Location
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
General View
Carlls Straight Path Bridge over I-495 (BIN 1049350)  
Design-Build Bridge Replacement Project  
Anticipated Procurement Schedule

<table>
<thead>
<tr>
<th>Activity</th>
<th>Due Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft RFP Info Meeting</td>
<td>December 9, 2013</td>
</tr>
<tr>
<td>Final RFP to Shortlisted Firms</td>
<td>December 13, 2013</td>
</tr>
<tr>
<td>Date Proposers May Start Submitting ATCs for Review</td>
<td>December 16, 2013</td>
</tr>
<tr>
<td>Start of Proposal Period One-on-One Meetings with All Proposers</td>
<td>January 15, 2014</td>
</tr>
<tr>
<td>Final Date for Proposers to Submit ATC’s for Review</td>
<td>January 30, 2014</td>
</tr>
<tr>
<td>Final Date for Department’s Responses to ATCs Submitted for Review</td>
<td>February 11, 2014</td>
</tr>
<tr>
<td>Final Date for Requests for Changes to Proposer’s Organization and Personnel</td>
<td>February 12, 2014</td>
</tr>
<tr>
<td>Final Date for receipt of Proposer Questions</td>
<td>February 19, 2014</td>
</tr>
<tr>
<td>Issue Date for Final Addendum and/or Answers to Proposer Questions</td>
<td>February 26, 2014</td>
</tr>
<tr>
<td>Proposal Due</td>
<td>March 12, 2014</td>
</tr>
<tr>
<td>Post Proposal Meetings (if required)</td>
<td>TBD</td>
</tr>
<tr>
<td>Selection of Best Value</td>
<td>April 2014</td>
</tr>
<tr>
<td>Execution of Contract</td>
<td>May 2014</td>
</tr>
<tr>
<td>Notice to Proceed</td>
<td>May 2014</td>
</tr>
</tbody>
</table>
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project

ATCs

- **Alternate Technical Concepts (ATCs)** are proposals from the Design-Builder to design and construct the project in a manner that is different than the RFP requirements and scope and which:
  - have significant savings in time, traffic delays, community disruption, project costs, environmental impacts, and/or other Project parameters;
  - in the Department’s judgment offer an equal or superior project.
Proposers may submit, on a confidential basis, up to three (3) proposed alternatives to the requirements of the Contract Documents for the Department’s pre-approval;

- The proposed end product of the alternative must, in the Department’s judgment, be equal to or better than the end product of the Contract Documents;

- 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.
Carlls Straight Path Bridge over I-495 (BIN 1049350)  
Design-Build Bridge Replacement Project  
One-On-One Meetings

- At least one meeting will be held with each proposer;
- One-on-One Meetings will be recorded;
- Department reserves the right to disclose to all proposers any issues raised during the meetings that may materially affect the project;
- 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.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project

Goals

- Reduce the number of vehicle impacts by raising the new bridge
- Improve the load carrying capacity and rating
  - HL-93 live load / NYSDOT Design Permit Vehicle
- Reduce maintenance costs
- Improve the poor wearing surface
- All proposed work to be within existing ROW
Efficient and Effective Project Delivery

- Minimize disruption to existing traffic by maintaining 2 traffic lanes open during construction, at all times
- Maintain Pedestrian movement at all times
- Minimizing construction impacts to adjacent residents and businesses
  - Keep adjacent residents and business informed
  - Address general project related questions from public
  - Forward innovative project concepts to NYSDOT
  - Forward questions from elected & public officials and the media to NYSDOT

- Deliver Project Safely, On Schedule, On Budget, and Environmentally Compliant.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
General Scope of Work

- Demolition of the existing bridge;
- Construction of a new bridge with the following features:
  - Standard width shoulders and sidewalks;
  - Center lane for turn lane use;
  - A bridge spanning across the I-495 roadway section, and spanning future planned ramps with shoulders which would connect to truck rest areas east of the bridge, with a minimum of 14’-6” vertical clearance;
- New drainage system for bridge and approaches;
- Reconstruction of the bridge approaches between the I-495 Service Roads;
Replacement of all approach guide railing systems

Reconstruction of the traffic signals, including integration with the INFORM system

Replacement of the existing bridge mounted sign structures and panels, including VMS sign

Incidental reconstruction of the I-495 center median, shoulders and embankment areas affected by bridge demolition and reconstruction

Providing enhancement to infrastructure for use by pedestrians and bicyclists

Signing & pavement markings

Work Zone Traffic Control
The Department currently owns all Right-of-Way between North Service Road and South Service Road. No new Right-of-Way acquisitions or temporary easements are anticipated to be required for this project.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
Utility Coordination – Existing Utilities

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

- Verifying utility facility locations;
- Identifying & 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 Design-Builder;
- Informing the Department of all meetings/correspondence with utility owners;
- Being Party to and signing the Three-Party Utility Agreement.
Verizon:
- Verizon shall be responsible for testing and abatement of existing asbestos-containing conduits;
- Design-Builder shall be responsible for installation new duct bank across the replacement structure;
- Conduits and appurtenances shall be supplied by Verizon at no cost to the Design-Builder;
- Verizon shall be responsible for replacement and/or relocation of all conduits within the bridge approach roadways from manholes located in the service roads;
- Verizon shall be responsible for pulling all cables;
- Verizon shall be responsible for any necessary relocation of aerial facilities within the project limits.

Cablevision:
- Cablevision shall be responsible for any necessary relocation of aerial facilities within the project limits.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
Utility Coordination – Existing Utilities

- **National Grid:**
  - No impacts to National Grid facilities are anticipated;
  - Should valve adjustments be required due to intersection paving work, National Grid shall be responsible for resetting the valves;
  - The existing 350 psi gas main shall be considered a fixed object which cannot be relocated.

- **Dix Hills Water District:**
  - No impacts to Dix Hills Water District water mains are anticipated;
  - Should valve adjustments be required due to intersection paving work, the Design-Builder shall be responsible for all work related to resetting the valves.

- **Northville Industries**
  - No impacts to the Northville Industries petroleum pipeline are anticipated;
  - The petroleum pipeline shall be considered a fixed object which cannot be relocated.
Long Island Power Authority (LIPA):

- LIPA shall be responsible for installation of new utility poles and relocation of aerial facilities along Carlls Straight Path;
- If utility relocations are required in connection with traffic signal installation, LIPA shall be responsible for installation of new utility poles and relocation of aerial electrical facilities;
- The Design-Builder shall be responsible for removal of the existing unoccupied LIPA conduits on the existing bridge and the installation of two (2) six-inch diameter steel conduits on the new structure.
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project

Contract Information

- Lump Sum Design-Build Contract;
- Best Value Selection Process (50% Price, 50% Quality);
- Project Completion Date shall be the earlier of:
  - November 10, 2015; or
  - The number of days past NTP proposed by the successful Proposer on Form SCD (ITP Appendix D)
- There are No Intermediate Completion Milestones;
- There is a Payment Schedule provided in the RFP;
- $60,000.00 Stipend to Unsuccessful Proposers;
- Liquidated Damages will be imposed for not meeting the Project Completion date or violating Drivers First requirements;
- Escrow Submission of Bid Documents for Successful Proposer;
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project
Contract Information (Continued)

- There is a Buy America Clause
- There is an Iran Divestment Act Clause
- There is a DBE Participation Goal of 13%
- All Environmental permits and ROW by NYSDOT;
- All Construction Related Permits by Design-Builder.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
Drivers First Initiative

- Gov. Cuomo’s initiative to minimize impacts to travelling public from construction projects;
- Proposal shall include the total number of anticipated lane and/or roadway closures (ITP Appendix E, Form DF);
- Drivers First score shall be based on the Drivers First Closure Assessment calculated on Form DF. The firm with the lowest total Assessment shall receive 20 points; other firms will be scored based on the ratio of the lowest Drivers First score to their score.
- Liquidated damages shall be assessed for additional lane closures of each type in excess of the number provided by the successful Proposer on Form DF;
- Liquidated damages shall also be assessed for lane closures outside the allowable times indicated on Form DF;
- The Design-Builder shall prepare an Emergency Response Plan to be implemented in the event of an unforeseen or unplanned shutdown of I-495 anticipated to exceed 20 minutes in duration.
## Carlls Straight Path Bridge over I-495 (BIN 1049350)
### Design-Build Bridge Replacement Project
#### Drivers First Initiative – Form DF

<table>
<thead>
<tr>
<th>Closure Type</th>
<th>Closure Periods *</th>
<th>Drivers First Factor</th>
<th>No. of Closures</th>
<th>Drivers First Closure Assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-495 Mainline or HOVL E/B or W/B, One Lane</td>
<td>10am – 3pm</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekdays</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 Mainline or HOVL E/B or W/B, One Lane</td>
<td>10pm – 5am</td>
<td></td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Week Nights</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 and HOVL E/B or W/B</td>
<td>10pm – 5am</td>
<td></td>
<td>3.0</td>
<td></td>
</tr>
<tr>
<td>Two Lanes (or 2 I-495)</td>
<td>Week Nights</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 Mainline/HOVIL E/B or W/B - Full Closure</td>
<td>10pm – 5am</td>
<td></td>
<td>6.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Week Nights</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 HOVL E/B or W/B</td>
<td>Sat 5am–Sun 5am</td>
<td></td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 HOVL E/B or W/B</td>
<td>Sun 5am–Mon 5am</td>
<td></td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 Mainline/HOVIL E/B or WB</td>
<td>Sat 5am–Sun 5am</td>
<td></td>
<td>20.0</td>
<td></td>
</tr>
<tr>
<td>2-Lane or Full Closure</td>
<td>Weekend Day</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I-495 Mainline/HOVIL E/B or WB</td>
<td>Sun 5am – Mon 5am</td>
<td></td>
<td>20.0</td>
<td></td>
</tr>
<tr>
<td>2-Lane or Full Closure</td>
<td>Weekend Day</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Single Lane Closure*</td>
<td>5am – 5am</td>
<td></td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Week Days</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Single Lane Closure*</td>
<td>Sat 5am–Sun 5am</td>
<td></td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Single Lane Closure*</td>
<td>Sun 5am – Mon 5am</td>
<td></td>
<td>5.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Full Closure*</td>
<td>5am – 5am</td>
<td></td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Week Days</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Full Closure*</td>
<td>Sat 5am–Sun 5am</td>
<td></td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carlls Straight Path Full Closure*</td>
<td>Sun 5am–Mon 5am</td>
<td></td>
<td>10.0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Weekends</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Total Drivers First Closure Assessment =

*Refer to Part 3, Project Requirements, Section 15.3 for Carlls Straight Path lane closure restrictions.
Carlls Straight Path Bridge over I-495 (BIN 1049350) Design-Build Bridge Replacement Project

Contract Information (Continued)

- **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 (Indicative Plans Only)
  - **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 web site (Not Part of the Contract Documents)
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project

Quality Control (QC)

- QC is Design-Builder’s Responsibility
- Design-Builder shall appoint a QC Manager responsible for QC Plan for both Design and Construction
- Design QC shall be by the Designer in accordance with the QC Plan
- Construction Inspection shall be by an Independent Engineering Firm (Hired by the Design-Builder)
- Materials Testing shall be by an Independent Materials Testing Firm or Laboratory (Hired by the Design-Builder)
- The Materials Testing Firm shall report to the Construction Inspection Firm
- Offsite Plant Quality Control shall be performed by the Department
Carlls Straight Path Bridge over I-495 (BIN 1049350)  
Design-Build Bridge Replacement Project  
Quality Assurance (QA)

- Design and Construction QA is the Department’s Responsibility  
- The Department may perform QA on any of the Design-Builder’s activities
- The Department will utilize an independent Consultant to perform QA of the Design-Builder’s Designs  
- Construction QA will be performed by Department staff  
- Offsite Plant Quality Assurance will be performed by the Department
Pass/ Fail Evaluation Factors

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

Quality Evaluation Factors (50%)

- Key Personnel (20%)
- Management Approach (30%)
  - Overall Design-Build Team Organization (8%)
  - Design Management Plan (7%)
  - Construction Management Plan (7%)
  - Quality Control Plan (8%)
- Technical Solutions (25%)
  - Design Approach (8%)
  - Construction Approach (10%)
  - CPM Schedule (7%)
- Drivers First (20%)
- Project Support (5%)

Price (50%)

Design-Builder must obtain a minimum score of 60% of Quality Evaluation factors.
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project
Additional Information – Submission Guidelines

- All proposals must be self-contained.
  - Proposals should not have links to external web sites.
  - Proposals should contain all information needed for evaluation.

- Do not “assume the Department knows” your firm and it’s experience/qualifications.
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
  - Form SA (Stipend Amendment)
  - Form BDEA (Bid Document Escrow Agreement)
  - PAB (Payment Bond (Labor and Material Bond))
  - PEB (Performance Bond (Faithful Performance Bond))
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project

Additional Information – Submission Guidelines

- 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:
  - Design Report,
  - Bridge Inspection Reports,
  - Record Plans,
  - Utility related Documents
  - Historical Borings
  - Other Documents
Carlls Straight Path Bridge over I-495 (BIN 1049350)
Design-Build Bridge Replacement Project

Rules of Contact

Peter Russell
Attn: Carlls Straight Path Bridge Over I-495
Office of Contracts Management
New York State Department of Transportation
50 Wolf Road, 6th Floor
Albany, New York 12232
Peter.Russell@dot.ny.gov
Questions ?