### Delaware River Joint Toll Bridge Commission

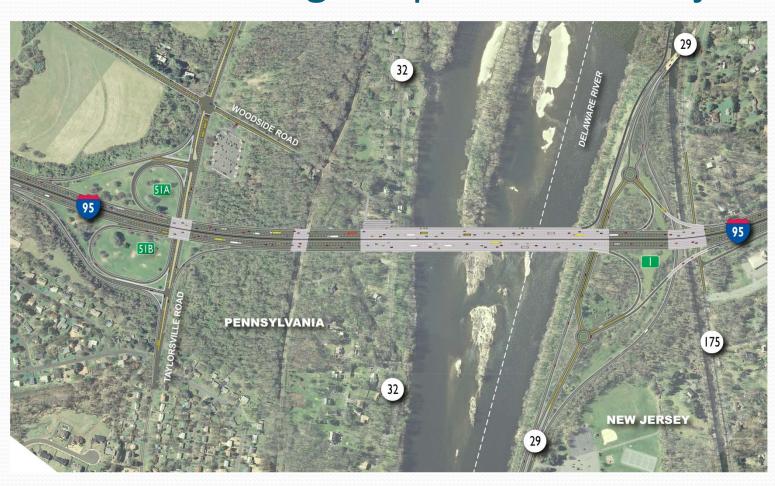
Construction Contract T-668A Scudder Falls Bridge Replacement Project Pre-Bid Conference September 27, 2016

> West Trenton Firehouse 40 West Upper Ferry Road Ewing Twp., New Jersey

- Welcome and Opening Remarks
- Commission Sponsored Project
- Project Overview and Limits
- Staff Introductions

**Existing Project Corridor** 





#### **General Information**

- SFB Replacement Project Non-Mandatory Pre-Bid Conference.
- After Meeting, under DOING BUSINESS/Notice to Contractors, the following will be posted to the Commission's website:
  - Meeting Sign-in Sheets
  - Meeting Power Point Presentation

### **Bid Schedule**

Contract Advertisement
Pre-Bid Meeting
Deadline for Contractor Inquiries
Response to Inquiries/Addenda
Bid Opening (Public Opening)
Anticipated NOA/LNTP
Anticipated Full Notice to Proceed

September 13, 2016 September 27, 2016 October 25, 2016 November 1, 2016 November 22, 2016 February 1, 2017 March 1, 2017

#### **Notice to Contractors**

- Bid Packages available for \$75 Company Check;
- Prime (or JV) to perform the largest percentage (A minimum of 40% of the work), with the exception of the Specialty Items.
- Contractors to be pre-qualified by PennDOT or NJDOT in the areas of work they are to perform.
- Include a Certified Check/Bid Bond for 10% of the bid.

**Notice to Contractors (cont.)** 

#### **Bid Opening**

Date: November 22, 2016

<u>Time:</u> 2:00 PM Local Time

<u>Location:</u> DRJTBC Executive Offices

2492 River Road

New Hope, Pa. 18938

Bids will not be received at any other DRJTBC facilities.

#### **Submittal of Bid Documents**

- Bid forms are described on Page GP-8, Section 102.02 Contents of Proposal.
- The electronic version of the "Schedule of Prices" provided on the DRJTBC web site is acceptable for inclusion in the bid proposal submission in place of Pages A-7 through A-64, inclusive.
- The accuracy of the electronic "Schedule of Prices" is the responsibility of the bidder.

### **Major Construction Milestone Schedule**

Notice to Proceed March 1, 2017

Completion of the I-295 Designation August 1, 2018

Completion of the BM/AET Building August 1, 2018

Completion of Interim Stage 1 October 30, 2018

Completion of Stage 1 November 30, 2018

Tolling Starts on the New SB Bridge January 5, 2019

(Contractor Activities across new bridge subject to tolls)

Substantial Completion December 14, 2020

Contract Completion May 5, 2021

### **Contract Compliance Program**

• Identified Business Enterprise (IBE) Firms:

Minority-owned Disadvantaged

Women-owned Disabled-owned

Small Business Veteran-owned

 Go to DOING BUSINESS/CONTRACT COMPLIANCE section of the Commission's website to download Contract Compliance Program forms.

### **Contract Compliance Program (cont.)**

Contract Compliance Program Forms:

- DRJTBC IBE participation target of 25%, utilizing any combination of IBE's.
- Submit IBE Compliance Plan Form 'A' with proposal
- Form 'A' designates use of Options: Compliance Plan I or Compliance Plan II.
- Apparent low bidder must submit all additional required IBE forms (B through F, as applicable) within seven (7) business days.

# Project Overview

### Four (4) Key Project Components:

1. Pennsylvania Approach (Package A)

2. BM/AET Building (PA) (Package C)

3. Main River Bridge (MRB) (Package A)

4. New Jersey Approach (Package B)

#### **Bid Documents:**

#### Package A:

- Pennsylvania Approach
- Main River Bridge
- PennDOT Pub. 408/2016 as Modified in the Bid Documents.

#### **Package B:**

- New Jersey Approach
- NJDOT 2007 Standard Specifications for Road and Bridge Construction.

#### **Package C:**

- BM/AET Building
- 2016 Constructions Specifications Institute (CSI)

### **New Taylorsville Road Interchange**



### Pennsylvania Structures:

- I-95 over Taylorsville Road (Steel Plate Girder)
- I-95 over Delaware Canal (Concrete Pre-Stressed Beams)
- Noise Walls:
  - Ground Mounted: Drilled Caissons w/Concrete Posts and Panels
  - Parapet Mounted: Concrete and Acrylic Walls
- MSE Retaining Walls /T-Walls
- Overhead Sign Structures
- All Electronic Tolling Gantry
- Pedestrian/Bicycle Facility Approach

### Pennsylvania Approach Roadway:

- Roadway Widening and Reconstruction
- PennDOT ITS Facility Relocation
- Utility Relocations
- I-95/Taylorsville Road Interchange
  - New Taylorsville Road Traffic Signals
  - Stormwater Management BMP's
- Taylorsville Road/Woodside Road Intersection Expansion
- Construction over Delaware Canal State Park

### **Bridge Monitor/All Electronic Tolling (BM/AET) Building**

- Four-Story Building w/driveway access
  - Access to AET Gantry Structures from Roof
  - AET/IT/ESS Equipment Rooms
- Building Perimeter MSE Wall
- Adjacent PA Wetlands Mitigation Site
- Pedestrian/Bicycle Path Approach Structure
- Replacement of Existing Culvert
- Lighting and Security Features
- Utility Connections from Taylorsville Road

#### Main River Bridge (MRB):

- 7-span structure, approximately 1,800 feet long
- Six thru lanes (three each way) plus two accel/decel lanes NB and one accel/decel lane SB
- Full right shoulder; widened left shoulder for potential future Bus Rapid Transit lane
- 10-foot pedestrian/bicycle path

### Main River Bridge (MRB):

- Dual Structures w/Pedestrian/Bicycle Path on Upstream Structure
- Alternate Design Options (Bid one Only):
  - Steel Plate Girders
  - Concrete Spliced Bulb Tees
- Concrete Flared Piers
- Drilled Shaft Foundations
- Roadway and Under-Bridge Lighting
- Electronic Security and Surveillance (ESS) Facilities
- Utility Conduits
- Demolition of Existing Bridge





New NJ Route 29 Interchange



### **New Jersey Structures:**

- I-95 MRB Approach
- NB Entrance Ramp C Delaware & Raritan Canal State Park (Steel Plate Girder)
- SB Exit Ramp G over Delaware & Raritan Canal State Park (Steel Plate Girder)
- I-95 over Delaware Canal (Steel Plate Girder)
- Noise Walls:
  - Ground Mounted: Drilled Caissons w/Concrete Posts and Panels
  - Parapet Mounted: Concrete and Acrylic Walls
- MSE Retaining Walls
- Overhead Sign Structures
- High-mast lighting
- Pedestrian/Bicycle Facility Approach

### New Jersey Approach:

- Roadway Widening and Reconstruction
- NJDOT ITS Facility Reconstruction
- Utility Relocation
- 30-inch Roadway Drainage Lines on Structure
- I-95/Rte. 29/Rte. 175 Interchange Reconstruction
  - 2 Roundabouts
  - Roadway Lighting
  - Construction over D&R Canal State Park
  - Stormwater Management BMP's
- Pedestrian/Bicycle Facility Approach

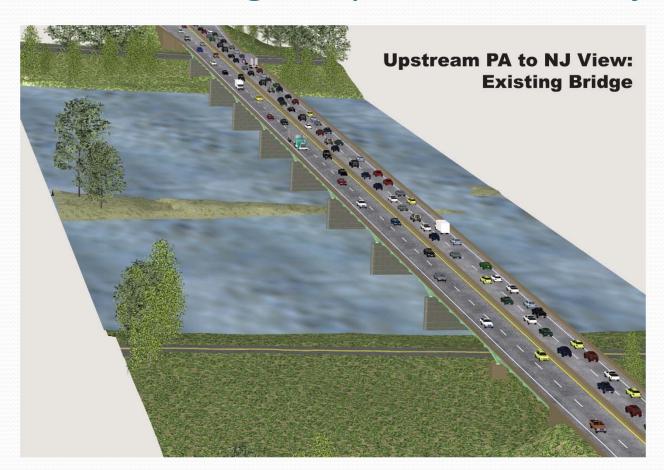
#### Construction

MRB Replacement Sequencing:

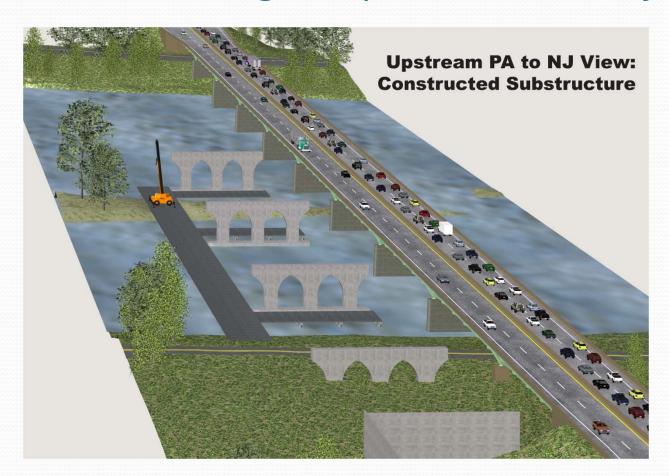
- Maintain flow of current I-95 traffic through work zone.
- Build first of two new structures upstream of current bridge.
- Move all traffic to upstream span upon completion
- Start All Electronic Tolling.
- Demolish current bridge.
- Construct second new span downstream.
- Open both structures to traffic on both structures.

#### Disclaimer:

- Images shown on the construction sequencing slides are being shown for reference only, to reflect the staging details of the MRB that were developed during the Environmental Documentation and Preliminary Design phase of the Project.
- These slides were developed prior to the final design development, and may not accurately reflect the design shown in the Bid Documents.













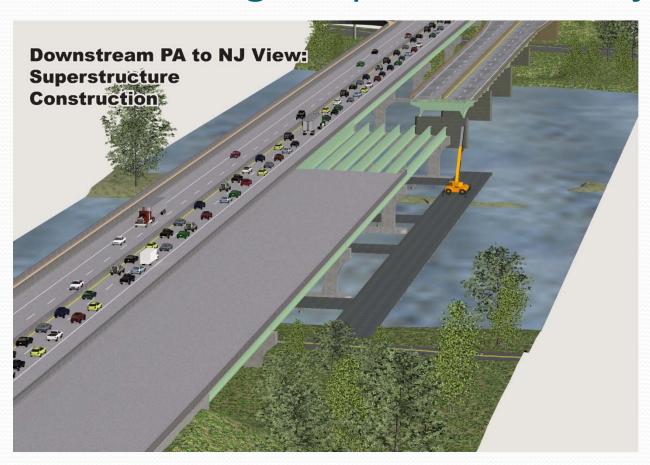


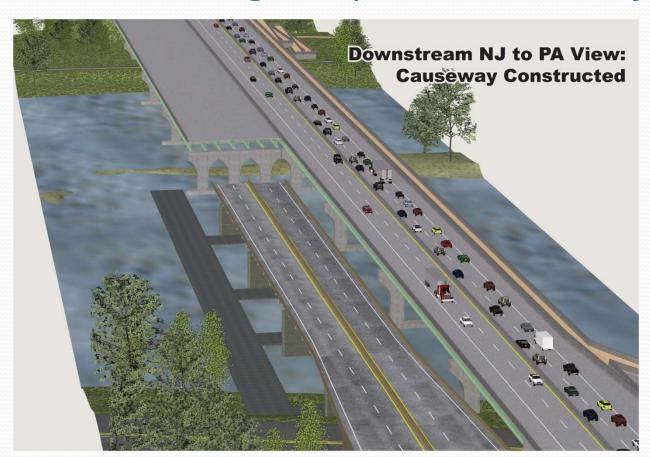








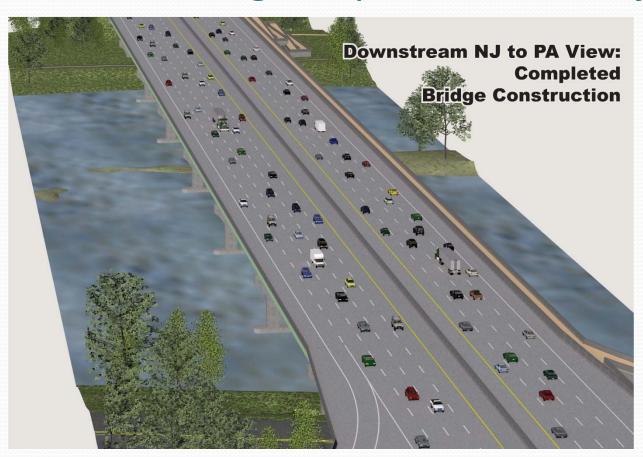












#### **Construction (Cont.)**

- In-Water Work Restrictions identified in bid documents.
- Trestle Causeway Construction in Environmental Documentation:
  - Maximum of ½ of River at a time;
  - Causeway Deck Elevation can be constructed up to elevation 30.0.
  - Time extensions or monetary damage will not be considered for high-water events at or below 30.0.

#### **Construction Management & Inspection**

- One (1) Construction Management (CM) Contract
   currently under procurement.
- Three (3) Construction Inspection Contracts to be awarded from one (1) Request for Proposal to be released within the next two (2) weeks.
- CM and CI staff office space will be provided under the CM Contract.

Questions and Answers

# Thank You For your Interest in the Scudder Falls Bridge Replacement Project