

# **I-95 HOV/HOT Lanes Project**

## **Exhibit C**

### **Technical Requirements**

#### **Attachment 3.15a**

##### **Bridges**

# 1 Introduction

The scope of work for bridges outlined in this Attachment 3.15a is based on the best information available during the development phase of the Project. This scope of work noted below is considered by the Department to be a minimum scope of work for bridges. As more information becomes available and as the Concessionaire progresses its detailed design, additional Work may be required to complete the Work in accordance with the Agreement.

## 1.1 New Bridges

The requirements outlined in this Attachment 3.15a are considered to be the minimum scope of Work for bridges.

New Bridge	Base Scope Items
Flyover bridge at Turkeycock Run (THN): NB I-395 HOT Ramp to NB I-395 Lanes	<ul style="list-style-type: none"> <li>• Straddle bent pier columns shall be round with architectural treatment</li> <li>• Partial length sound wall installation on bridge deck overhang</li> </ul>
Flyover bridge at Fairfax County Pkwy (FxEH): I-95 Reversible HOT Ramp over SB I-95 Lanes to Boudinot Drive	<ul style="list-style-type: none"> <li>• Straddle bent pier columns shall be round with architectural treatment</li> <li>• Integral pier (Pier 1) shall be dual circular columns (under interior girder lines) or rectangular hammerhead with architectural treatment</li> </ul>
Flyover bridge at Joplin Road (JHS): SB I-95 HOT Ramp to SB I-95 Lanes	—
I-95 HOT Lanes over Joplin Road	<ul style="list-style-type: none"> <li>• Pier shall be wall type and shall match existing piers for NB &amp; SB I-95 Lanes</li> </ul>
I-95 HOT Lanes over Russell Road	—
I-95 HOT Lanes over Chopawamsic Creek	—
I-95 HOT Lanes over Aquia Creek	—
Flyover bridge at Garrisonville Road (GHS): SB I-95 HOT Ramp to SB I-95 Lanes	—

## 1.2 Bridge Replacements

The Concessionaire shall construct the bridge replacement in the table below in accordance with the Agreement. Some base scope items are noted in the table below; however, the scope items noted in the table are not an all inclusive list of additional scope items.

Bridge Replacement	Base Scope Items
Telegraph Road over I-95	<ul style="list-style-type: none"> <li>• Install pedestrian fence on railings on each side of bridge for entire length of bridge to the ends of the approach slabs</li> <li>• Piers may be multi column frame with circular columns in plain finish to match adjacent existing overpass at Route 610 (Garrisonville Road) in Stafford County</li> </ul>

### 1.3 Major Rehabilitation of Existing “HOV Lane” Bridges

The Concessionaire shall construct the Major Rehabilitation of the existing HOV bridges in the table below in accordance with the Agreement. Some significant and/or unique scope items are noted in the table below; however, this table does not list all significant and/or unique items. The scope of work will also include the requirements noted in Section 1.5.

Bridge Name	Some Significant/Unique Scope Items
Franconia-Springfield Parkway (Rte. 7900) over I-95 with HOT Ramps E and F	<ul style="list-style-type: none"> <li>• Bridge widening including Ramps E &amp; F widenings</li> <li>• Various median island removal and reconstruction</li> </ul>
I-95 HOT Lanes over Ramp C (Rte. 1 Int.)	Bridge widening
I-95 HOT Lanes over Furnace Road	Bridge widening

### 1.4 Sound walls installed on Existing “General Purpose” Lane Bridges

The Concessionaire shall construct the required sound walls on the existing GP bridges noted in the table below in accordance with the Agreement. Some significant and/or unique scope items are noted in the table below; however, this table does not list all significant and/or unique items.

Bridge Name	Some Significant/Unique Scope Items
SB I-95 over Pohick Creek	Structural steel framing supports for sound wall columns
NB I-95 over Neabsco Creek	Structural steel framing supports for sound wall columns

<b>Bridge Name</b>	<b>Some Significant/Unique Scope Items</b>
NB I-95 over Quantico Creek & Mine Road	Structural steel framing supports for sound wall columns

### 1.5 **Other Repair Items for Existing Bridges**

All bridge repairs are limited to those quantities identified with specific bridges in the bridge repair table in Attachment 3.15c and where the headings in the table identify the scope of work. In the bridge repair table in Attachment 3.15c, columns and spaces left blank are done so intentionally and represent zero quantity of repair work to be performed. The quantities represent all repair work, major and minor, for all of the specific bridges in this contract. Quantities may be adjusted based on mutual agreement and field conditions to meet FHWA major rehabilitation requirements limited to quantities represented in Attachment 3.15c and associated cost pricing. These quantities do not include any work to construct bridge widenings, or modifications necessary for the addition of sound walls.