This Operators' Sign-off Package is a draft document, pending FRA concurrence after selection of an alternative in the Record of Decision (ROD), which is anticipated in summer 2020.

TASK DESCRIPTION:
GRANT NUMBER: FR-TII-0036-16-01-00

OPERATOR SIGN-OFF PACKAGE CONTENTS:
1) 5/5/2020 ENGINEERING PROGRESS PLANS
2) 5/5/2020 BASIS OF DESIGN REPORT (UNDER SEPARATE COVER)
3) 5/5/2020 RESPONSE TO OPERATOR COMMENTS MATRIX (UNDER SEPARATE COVER)

This Operators’ Sign-off Package is a draft document, pending FRA concurrence after selection of an alternative in the Record of Decision (ROD), which is anticipated in summer 2020.

These plans represent a 15% level of design for the project and have been reviewed by the parties listed on this cover sheet. Further engineering, collaboration, and coordination with all parties will be required prior to completion of Preliminary Engineering (30% level of design) to further address comments received from operators during this phase of the project. By signing this document, the parties agree that the project is acceptable in concept and can move forward to complete Preliminary Engineering.
DISTRICT OF COLUMBIA
DEPARTMENT OF TRANSPORTATION
PLANS OF PROPOSED
ENGINEERING PROGRESS PLANS
LONG BRIDGE CORRIDOR
PREFERRED ALTERNATIVE

LONG BRIDGE PROJECT LIMITS:
BEGIN PROJECT MP 110.00
END PROJECT MP 111.45

KEY MAP

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
PREFERRED ALTERNATIVE

"NO" TO "LENSFORT" COVER SHEET

PRELIMINARY - NOT FOR CONSTRUCTION
LONG BRIDGE UNDERGRADE BRIDGE IMPACTS

<table>
<thead>
<tr>
<th></th>
<th>EXISTING</th>
<th>PROPOSED</th>
<th>DIFFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Washington Memorial Parkway*</td>
<td>12'-0&quot;</td>
<td>14'-6&quot;</td>
<td>2'-6&quot; INCREASE</td>
</tr>
<tr>
<td>Old Drive SW</td>
<td>13'-0&quot;</td>
<td>14'-6&quot;</td>
<td>1'-6&quot; INCREASE</td>
</tr>
<tr>
<td>Old Drive SW</td>
<td>13'-10&quot;</td>
<td>15'-0&quot;</td>
<td>1'-10&quot; INCREASE</td>
</tr>
<tr>
<td>Marine Avenue SW</td>
<td>14'-6&quot;</td>
<td>14'-6&quot;</td>
<td>MATCH EXISTING</td>
</tr>
</tbody>
</table>

*EXISTING BRIDGE TO REMAIN IN SERVICE AND CONTROLS VERTICAL CLEARANCE AT THESE LOCATIONS.
PREFERRED ALTERNATIVE
PROFILE STA 380+00 TO 395+00

1. RAIL (MAIN ALONG TRACK #1)
   PROFILE FOR EACH TRACK TO BE INCLUDED IN FUTURE DESIGN PAGES.

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
PREFERRED ALTERNATIVE

"H20" TO "LENFANT"
TRACK PROFILE GRADE LINE (6 OF 8)

MAY 5, 2020

PRELIMINARY - NOT FOR CONSTRUCTION
LONG BRIDGE SOUTH APPROACH
329+50 TO 330+75
POTOMAC RIVER BRIDGE
APPROACH SPAN
DECK GIRDER OPTION
330+75 TO 338+50
341+50 TO 357+00

POTOMAC RIVER BRIDGE
CHANNEL SPAN
DECK GIRDER OPTION
338+50 TO 341+50

NOTES:
1. SEE S-100 SHEET FOR HYDRAULIC DATA AND CROSS SECTIONS.
2. ADDITIONAL CLEARANCE ENVELOPE IS SHOWN FOR PROJECT TRACK MINUS CURVE CORRECTIONS.
POTOMAC RIVER BRIDGE
APPROACH SPAN
THROUGH GIRDER OPTION
330+75 TO 338+50
341+50 TO 357+00

POTOMAC RIVER BRIDGE
CHANNEL SPAN
THROUGH GIRDER OPTION
338+50 TO 341+50

NOTES:
1. SEE PLACE SHEETS FOR SHEET-TO-SHEET BRIDGE CROSS SECTIONS
2. MEDIAN CLEARANCE ENVELOPE IS SHOWN FOR VARIOUS TRUCK GEOMETRY CURVE CORRECTIONS.
WMATA TUNNEL UNDERGRADE BRIDGE
360+85 TO 362+08

D.O.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION
LONG BRIDGE PROJECT EIS
PREFERRED ALTERNATIVE
"NO TO "LENSANT"
TYPICAL SECTIONS (7 OF 16)

PRELIMINARY - NOT FOR CONSTRUCTION
PHASE B
STAGE 3

CONSTRUCTION WORK

1. COMPLETE STAGE 3 SHOWN
2. INSTALL TEMPORARY SHEETING AND

PRELIMINARY - NOT FOR CONSTRUCTION

OPERATIONS NOTES
NORMAL OPERATIONS

DURATION
3 HEAT

PHASE B
STAGE 4

CONSTRUCTION WORK

1. COMPLETE STAGE 3 TO TRACK 1.

OPERATIONS NOTES
TRACKS 1, 2, AND 3 COMPLETE TO "VIRGIN"

DURATION
ONE HEAT

CONSTRUCTION LEGEND

EXISTING TRACK/STRUCTURE

MAKE AND SURFACE

CONSTRUCT NEW

TRACK TO BE SHAPED

AS SHAPED

REMOVE

TRACK/STRUCTURE COMPLETED IN DEGREE PHASE

PROGRESS PLANS
MAY 5, 2020

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT #5
PREFERRED ALTERNATIVE

"NO" TO "LENANT"
PHASING DIAGRAM -
PHASE B, STAGE 3/4

PRELIMINARY - NOT FOR CONSTRUCTION

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PRELIMINARY - NOT FOR CONSTRUCTION

BRIDGE PHASING DIAGRAM
NOT TO SCALE

PHASE B
PREWORK (1 OF 2)

PROGRESS PLANS
MAY 5, 2020

D.C. DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE PROJECT MANAGEMENT ADMINISTRATION
PROJECT MANAGEMENT DIVISION

LONG BRIDGE PROJECT EIS
PREFERRED ALTERNATIVE

"40" TO "LENFANT"
BRIDGE PHASING DIAGRAM
PHASE B PREWORK (1 OF 2)