Appendix A: Project Planning and Development
A-2  Project Plans-Short Span Option
INDEX:
B-4100 TO B-4102 OVERALL BRIDGE CROSSING
B-4110 TO B-4117 ROCKLAND LANDING BRIDGE APPROACH
B-4120 TO B-4131 BRIDGE CROSSING
B-4140 TO B-4144 WESTCHESTER LANDING BRIDGE APPROACH
B-4150 BRIDGE FOUNDATIONS
B-4199Legends

ARUP

TAPPAN ZEE HUDSON RIVER CROSSING PROJECT
ENVIRONMENTAL REVIEW

JAN 18, 2012 SHORT SPAN BRIDGE

DEIS APPENDIX A ISSUE
<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>DRAWING NAME</th>
<th>CURRENT STATUS</th>
<th>SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4100</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - OVERALL BRIDGE CROSSING PLAN</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4101</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - TYPICAL CROSS SECTIONS</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4102</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - TYPICAL CROSS SECTIONS</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>ROCKLAND COUNTY - BRIDGE APPROACH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-4110</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4111</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4112</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4113</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4114</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4115</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4116</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4117</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - ROCKLAND COUNTY</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>BRIDGE CROSSING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-4120</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE PLAN - SHEET 1 OF 5</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4121</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE PLAN - SHEET 2 OF 5</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4122</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE PLAN - SHEET 3 OF 5</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4123</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE PLAN - SHEET 4 OF 5</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4124</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE PLAN - SHEET 5 OF 5</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4125</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE CROSSING PROFILES - SHEET 1 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4126</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE CROSSING PROFILES - SHEET 2 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4127</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE CROSSING PROFILES - SHEET 3 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4130</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH END I-80 BRIDGE CROSSING - MAIN SPAN WITH CABLE STAYED</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>N.A.</td>
</tr>
<tr>
<td></td>
<td>WESTCHESTER COUNTY - BRIDGE APPROACH</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-4140</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - WESTCHESTER COUNTY - SHEET 1 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4141</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - WESTCHESTER COUNTY - SHEET 2 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4142</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - WESTCHESTER COUNTY - SHEET 3 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4143</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - WESTCHESTER COUNTY - SHEET 4 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4144</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - WESTCHESTER COUNTY - SHEET 5 OF 3</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td></td>
<td>OTHER DETAILS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0-4150</td>
<td>FOUNDATION DRAWING - SHORT APPROACH SPAN - BRIDGE REPLACEMENT</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>1&quot;=10'-0&quot;</td>
</tr>
<tr>
<td>0-4199</td>
<td>SHORT APPROACH SPAN - BRIDGE REPLACEMENT - LEGENDS</td>
<td>DES APPENDED A - FINAL ISSUE</td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**NOTE:**
- The scale mentioned in the drawings list is for 22x34 size full size drawings. For 11x17 size drawings, please double the given scale in the drawing.
SECTION 1 AT STA. 839+00

SUPERSTRUCTURE AND SUBSTRUCTURE FOR MAIN SPAN NOT SHOWN.

DETAILS OF THE MAIN SPAN ARCH AND CABLE STAY BRIDGE IS PROVIDED ON B-4130 AND B-4131.

SECTION 2 TYPICAL FOR PIERS 1 TO 4

SECTION 3 TYPICAL FOR PIERS 5 TO 43, AND 46 TO 61

SECTION 4 AT STA. 954+34

SECTION 5 AT STA. 1009+00

NOTE:
1. FOR PILECAP DIMENSIONS, REFER TO DWG. NO. B-4150.

SHORT APPROACH SPAN - BRIDGE REPLACEMENT

TAPPAN ZEE HUDSON RIVER CROSSING PROJECT

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4125.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. NO. B-4150.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4125.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. B-4150.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTES:

1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4126.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. NO. B-4150.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4126.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. NO. B-4150.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.

EXISTING TAPPAN ZEE BRIDGE
PROPOSED TAPPAN ZEE BRIDGE
SEE DWG. B-4122

Hudson River

GRID
NORTH

THRUWAY AUTHORITY

ADA M FINK IN
DEIS APPENDIX A ISSUE
01/18/12

1/17/2012 6:29:22 PM
k ir by .s ic h e r m a n

www.arup.com
Tel (212) 896 3000
New York, NY 10005
77 Water Street
Arup USA, Inc.

SHORT APPROACH SPAN - BRIDGE REPLACEMENT

PT STA 940 +63.43
PC STA 968+05.21
NOTE:
1. FOR DETAILS OF CLEARANCE ENVELOPE REFER TO DWG. NO. B-4130 AND B-4131.
NOTE:

1. HORIZONTAL ALIGNMENT SHOWN HERE IS INDICATIVE ONLY. PLEASE NOTE THAT HIGHWAY ALIGNMENT SHOWN ON DRAWINGS HAS BEEN DEVELOPED FOR CABLE STAYED BRIDGE OPTION ONLY. IT SHOULD BE ADAPTED FOR THIS AND OTHER MAIN SPAN OPTIONS.

2. DIMENSIONS ARE FOR ILLUSTRATION PURPOSES ONLY.

CONTRACT NUMBER
DRAWING NO.
SHEET NO.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

FILE NAME =
USER =

J : \N -Y \
131000 \131219 -00 \12 Drawings DES IS Sheets Expedite Bridge DES IS Short Sp an B -4130.dgn

1 /17 /2012
6 :29 :34 PM
k ir by .s ich e r m a n

REV
DATE
DESCRIPTION
BY

J ODY  VUKA S
HEMAL  PATEL
HEMAL  PATEL
M ARK  R O C H E
LEE  G ILL

www.arup.com
Tel (212) 896 3000
New York, NY 10005
77 Water Street
Arup USA, Inc.

DEIS APPENDIX A ISSUE
01/18/12
1

HUDSON RIVER CROSSING PROJECT

SHORT APPROACH SPAN - BRIDGE REPLACEMENT

SECTION 1
SECTION 2