Appendix A: Project Planning and Development
A-3 Project Plans-Long Span Option
INDEX:

B-4200 TO B-4202 OVERALL BRIDGE CROSSING
B-4210 TO B-4217 ROCKLAND LANDING BRIDGE APPROACH
B-4220 TO B-4231 BRIDGE CROSSING
B-4240 TO B-4244 WESTCHESTER LANDING BRIDGE APPROACH
B-4250 BRIDGE FOUNDATIONS
B-4299 LEGENDS

TAPPAN ZEE HUDSON RIVER CROSSING PROJECT
ENVIRONMENTAL REVIEW

JAN 18, 2012 LONG SPAN BRIDGE
DEIS APPENDIX A ISSUE

ARUP

Thruway Authority
New York State Department of Transportation
### LONG APPROACH SPAN - BRIDGE REPLACEMENT

#### DRAWING LIST

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<th>DRAWING NUMBER</th>
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#### ROCKLAND COUNTY - BRIDGE APPROACH

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<td>LONG APPROACH SPAN - BRIDGE REPLACEMENT - CROSS SECTIONS - SHEET 1 OF 2 - ROCKLAND COUNTY</td>
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<td>LONG APPROACH SPAN - BRIDGE REPLACEMENT - CROSS SECTIONS - SHEET 2 OF 2 - ROCKLAND COUNTY</td>
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<td>B-4217</td>
<td>LONG APPROACH SPAN - BRIDGE REPLACEMENT - SOUTH BROADWAY BRIDGE - PLAN &amp; PROFILE - ROCKLAND COUNTY</td>
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#### WESTCHESTER COUNTY - BRIDGE APPROACH

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<td>LONG APPROACH SPAN - BRIDGE REPLACEMENT - BRIDGE CROSSING PLAN - SHEET 3 OF 5</td>
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<td>LONG APPROACH SPAN - BRIDGE REPLACEMENT - BRIDGE CROSSING PLAN - SHEET 4 OF 5</td>
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**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.
LONG SPAN HIGHWAY (TPU)

PROFILE OF PROPOSED HIGHWAY C LEVEL

EXISTING GROUND LEVEL

ELEV 184.99

PVC94+60.67

ELEV 181.46

PVI95+63.77

ELEV 190.24

PVC94+85.04

PVT95+66.86

ELEV 159.94

PVT95+85.86

ELEV 154.73

PVI95+85.86

ELEV 151.11

PVT95+86.68

EXISTING TAPPAN ZEE BRIDGE

ELEV 159.94

PVC94+85.04

PVT95+66.86

ELEV 154.73

PVI95+63.77

ELEV 190.24

PVC94+60.67

ELEV 181.46

LONG APPROACH SPAN - BRIDGE REPLACEMENT

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Thruway

Authority

HUDSON RIVER CROSSING

PROJECT

www.arup.com

Tel (212) 896 3000

New York, NY 10005

77 Water Street

Arup USA, Inc.

TAPPAN ZEE

HUDSON RIVER CROSSING

PROJECT
SECTION 1 AT STA. 839+00
SCALE: 1"=50'-0"

SECTION 2 STA. 849+00
SECTION 3 STA. 894+00

B-4202
SCALE: 1"=50'-0"

SUPERSTRUCTURE AND SUBSTRUCTURE
FOR MAIN SPAN NOT SHOWN
DETAILS OF THE MAIN SPAN ARCH AND
CABLE STAY BRIDGE IS PROVIDED ON B-4230 AND B-4231.

NOTE:
1. FOR PILECAP DIMENSIONS, REFER TO DWG. NO. B-4250

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

LONG APPROACH SPAN - BRIDGE REPLACEMENT

TAPPAN ZEE
HUDSON RIVER CROSSING
PROJECT

BEARING (TYP.)
PILECAP (TYP.)
PIERS (TYP.)
PILES (TYP.)

TIDAL RANGE
HUDSON RIVER

+2.11' MHHW
-2.08' MLLW

+2.11' MHHW
-2.08' MLLW

TYPICAL CROSS SECTIONS
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4225.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. B-4250.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4225.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. B-4250.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.

LONG APPROACH SPAN - BRIDGE REPLACEMENT
NOTES:
1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4226.
2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. B-4250.
3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTES:

1. FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4226.

2. FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. NO. B-4250.

3. FOR DETAILS OF ALL TEMPORARY CONSTRUCTION ELEMENTS, REFER TO SERIES C-6000 DRAWINGS.
NOTE:
1. FOR DETAILS OF CLEARANCE ENVELOPE REFER TO DWG. NO. B-4230 AND B-4231.

MAIN SPAN NOT SHOWN

200'-0" SUPERSTRUCTURE

PROFILE OF PROPOSED HIGHWAY FOR B-4222

PROFILE OF PROPOSED HIGHWAY FOR B-4223

1.04% G1 = 1.04%
G2 = -1.74%

E = -3.51 FT.

SSD = 882.26 FT.
NOTES:

FOR DETAILS OF SUBSTRUCTURE, REFER TO DWG. NO. B-4250

FOR CROSS-SECTIONS, REFER TO DWG. NO. B-4243

FOR LONGITUDINAL PROFILE, REFER TO DWG. NO. B-4242

EXISTING TAPPAN ZEE BRIDGE

NEW TAPPAN ZEE BRIDGE
CROSS SECTIONS - SHEET 1 OF 2

PILECAP (TYP.)

PILES (TYP.)

TIDAL RANGE

+2.11'

-2.00'

HUDSON RIVER

BEARING (TYP.)

PIER (TYP.)

SUB STRUCTURE

SUPERSTRUCTURE

SHOULDER

BUFFER

GP 1

GP 4

GP 3

GP 2

GP 5

SHOULDER

SHOULDER

SHOULDER

GP 1

GP 2

GP 3

GP 4

GP 5

GP 6

GP 7

BUFF ER

EZ 1

EZ 2

EZ 3

LONG APPROACH SPAN - BRIDGE REPLACEMENT

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

DATE / TIME =

DESIGNATED

DESIGN SUPERVISOR

CHECKED BY

ESTIMATED BY

DRAWN BY

CHECKED BY

CONTRACT NUMBER

DRAWING NO.

SHEET NO.

FILE NAME =

USER =

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LONG APPROACH SPAN - BRIDGE REPLACEMENT

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TAPPAN ZEE

HUDSON RIVER CROSSING

PROJECT

www.arup.com

Tel (212) 896 3000

New York, NY 10005

77 Water Street

Arup USA, Inc.
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**注释：**

- 标注了电气、水管、通信等设施的定位和信息。
- 图表中列出了各种图例和符号，用于标识不同类型的基础设施。
- 图表中还包含了一些经纬度信息，用于精确位置的定位。
- 图表中还包含了各种技术参数和信息，用于实际工程的规划和实施。