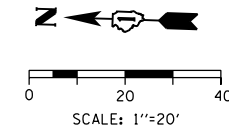


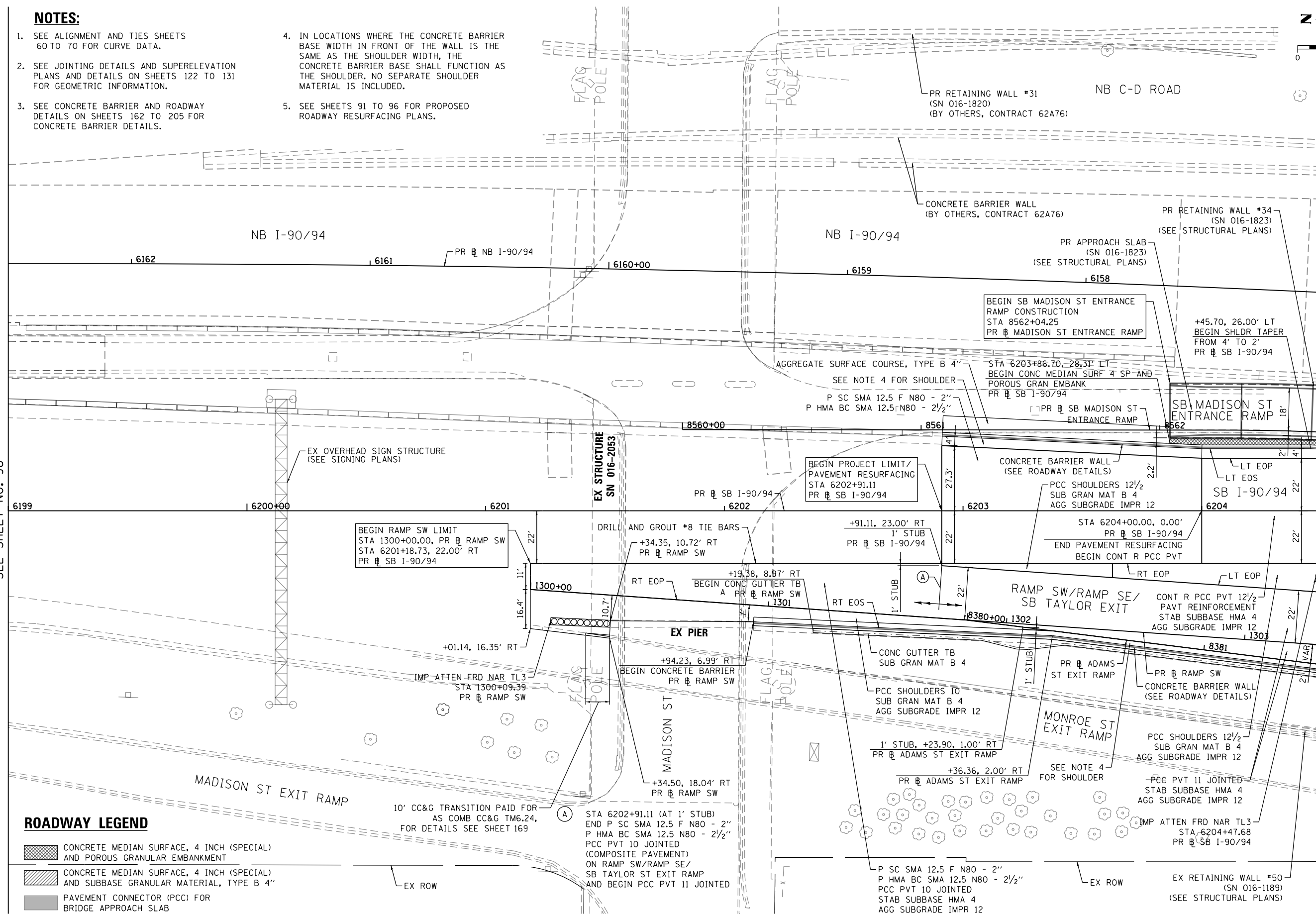
**NOTES:**

- SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
- SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
- SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
- IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.
- SEE SHEETS 91 TO 96 FOR PROPOSED ROADWAY RESURFACING PLANS.



MATCH LINE STA 6199+00.00 (PR SB I-90/94) SEE SHEET NO. 96

MATCH LINE STA 6204+50.00 (PR SB I-90/94) SEE SHEET NO. 102



**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

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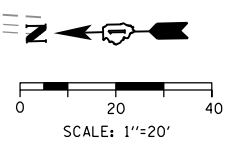
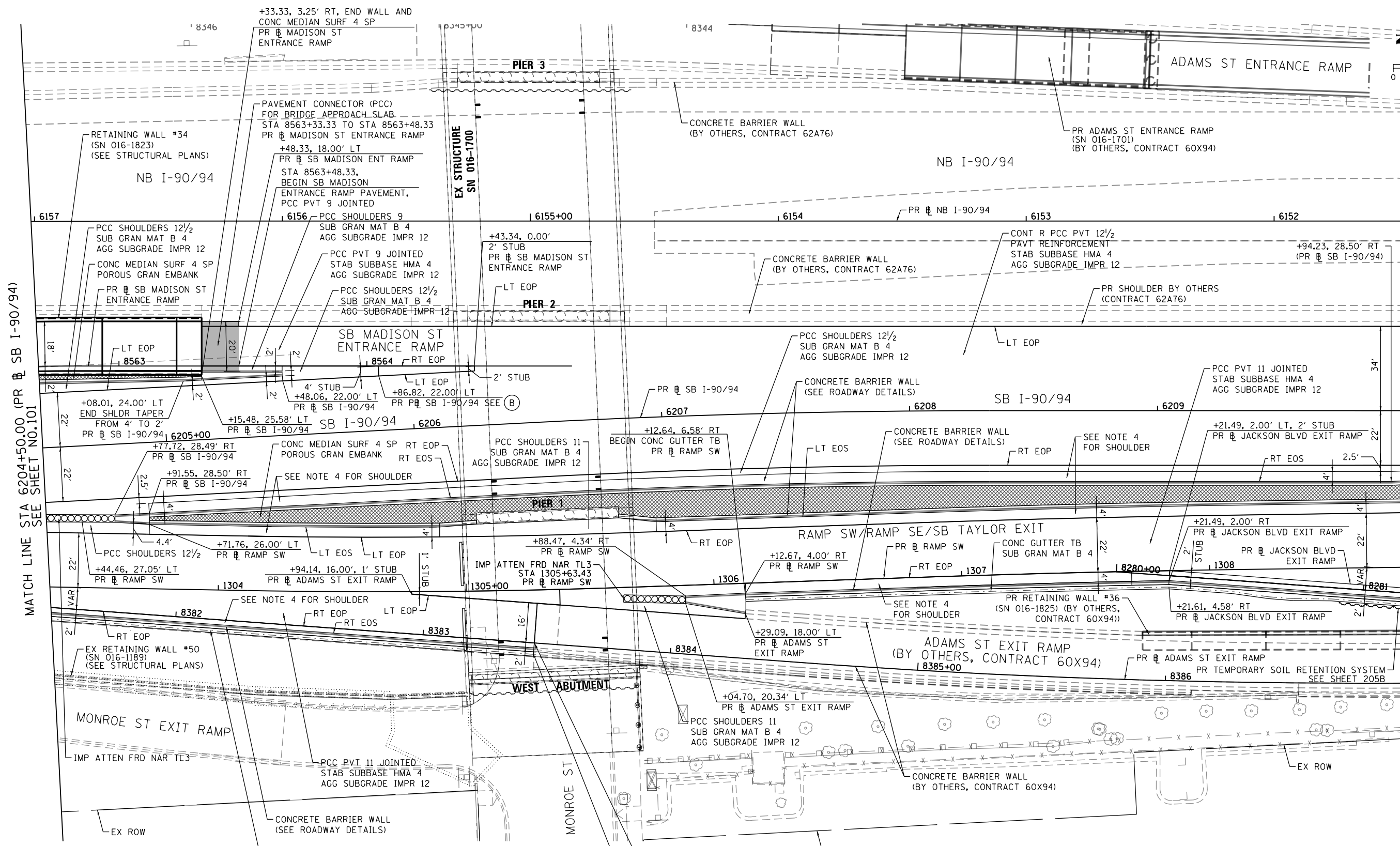
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 1 OF 11 SHEETS STA. 6202+91.11 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	101
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

(B) STA 6205+86.82 (AT 4' STUB) END PCC PVT 9 JOINTED ON MADISON ENTRANCE RAMP AND END PCC SHOULDERS 12 1/2" AND BEGIN MAINLINE PAVEMENT CONT R PCC PVT 12 1/2" SEE JOINTING PLAN SHEET 133

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER BASE SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

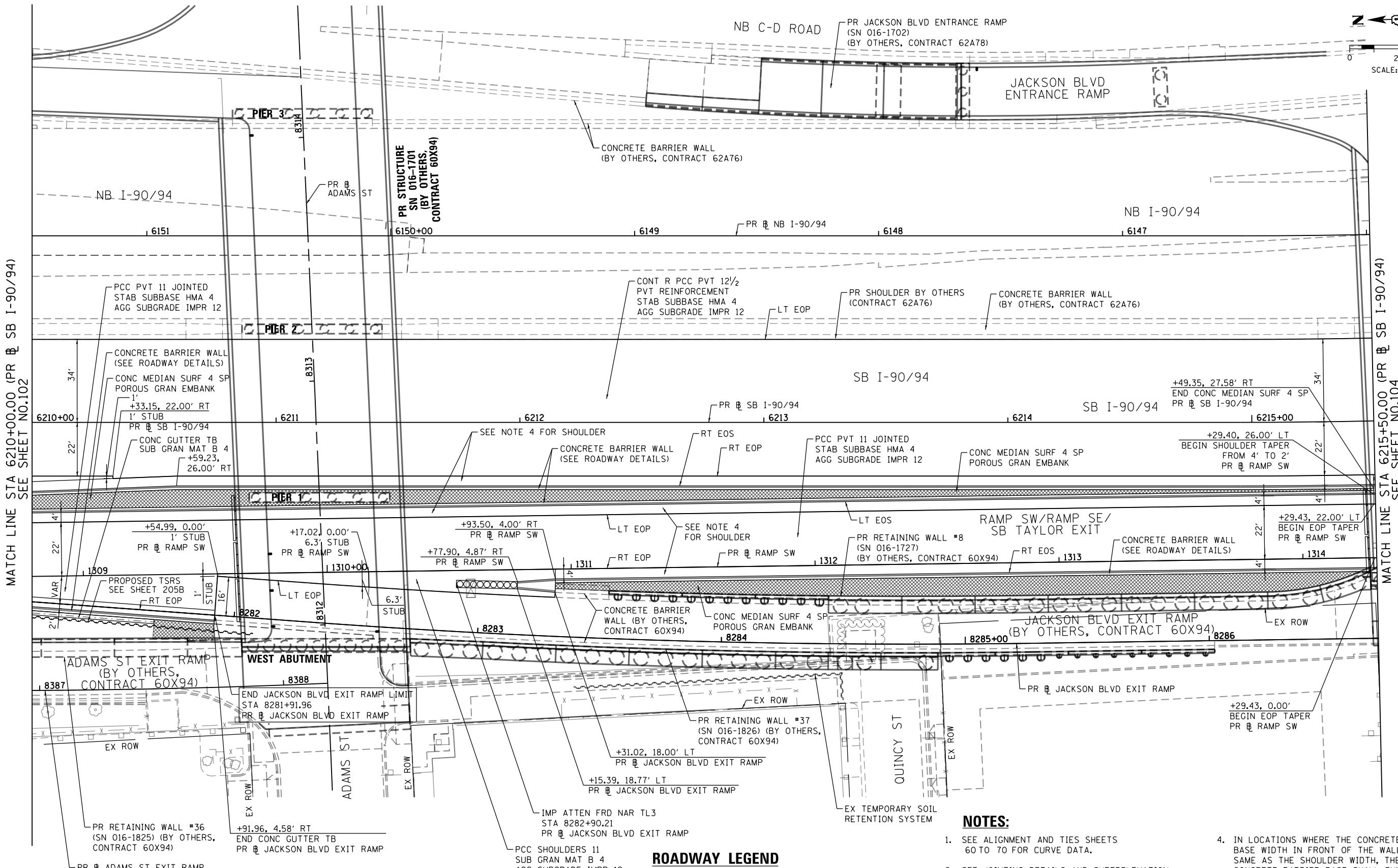
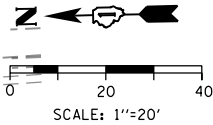
**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 2 OF 11 SHEETS STA. 6204+50.00 TO STA. 6210+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	102
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 6210+00.00 (PR SB I-90/94) SEE SHEET NO.103

MATCH LINE STA 6204+50.00 (PR SB I-90/94) SEE SHEET NO.101



MATCH LINE STA 6210+00.00 (PR SB I-90/94) SEE SHEET NO.102

MATCH LINE STA 6215+00.00 (PR SB I-90/94) SEE SHEET NO.104

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**NOTES:**

- SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
- SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
- SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
- IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER BASE SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

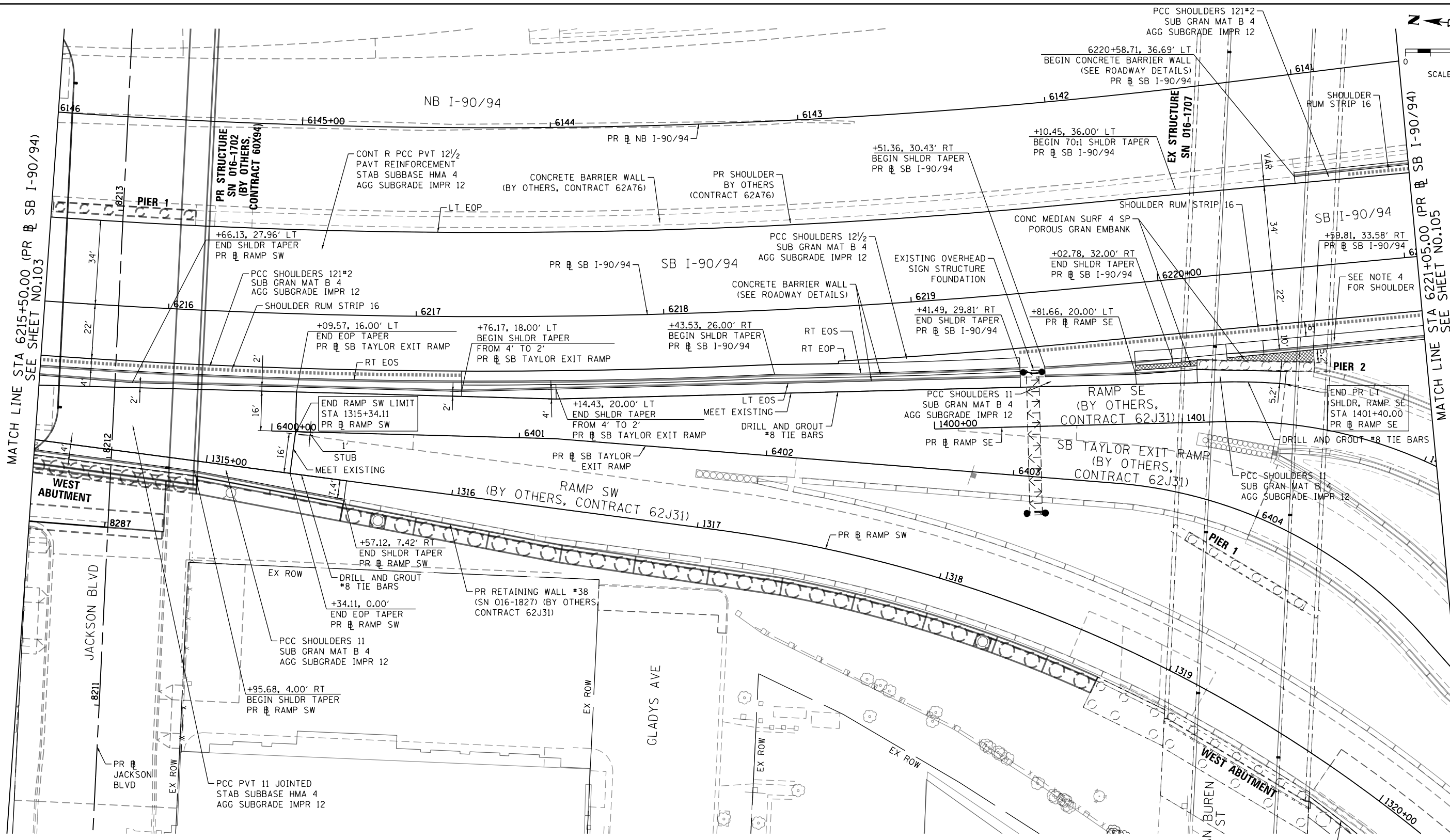
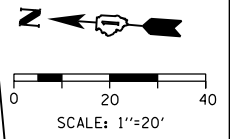
**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 3 OF 11 SHEETS STA. 6210+00.00 TO STA. 6215+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	103
CONTRACT NO. 62A77				



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MATCH LINE STA 6215+50.00 (PR SB I-90/94) SEE SHEET NO.103

MATCH LINE STA 6221+05.00 (PR SB I-90/94) SEE SHEET NO.105

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

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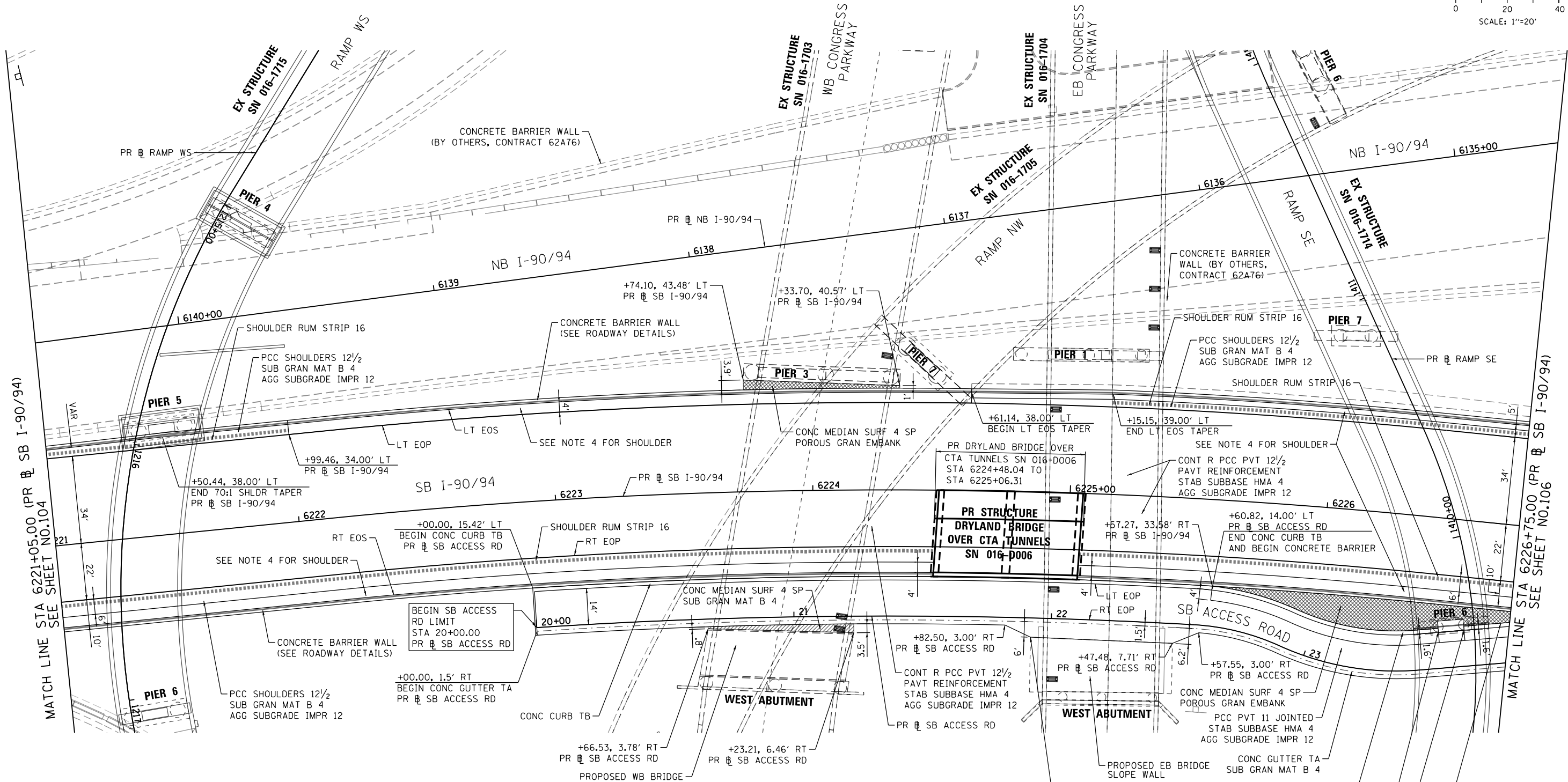
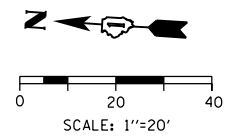
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 4 OF 11 SHEETS STA. 6215+50.00 TO STA. 6221+05.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	104
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

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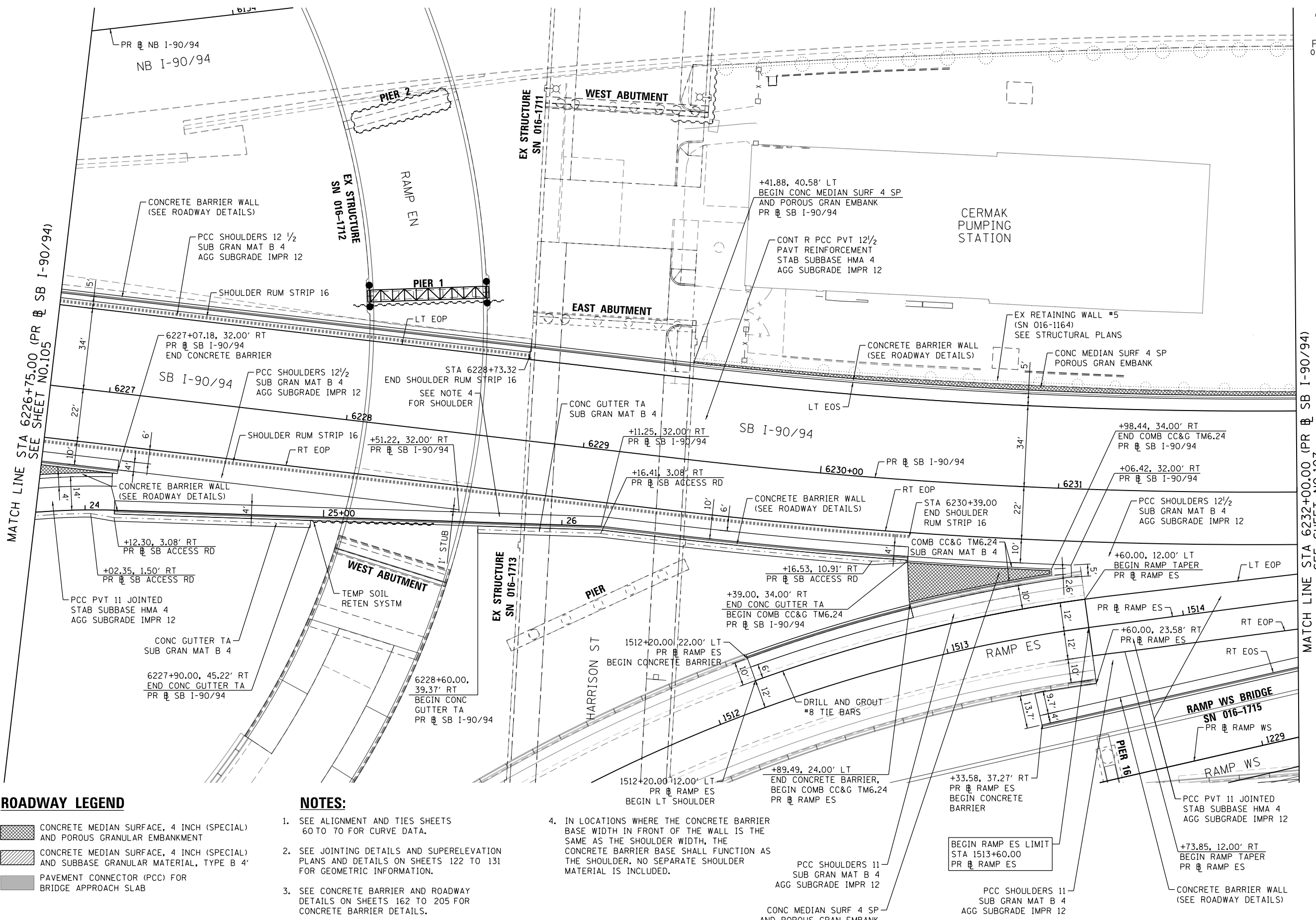
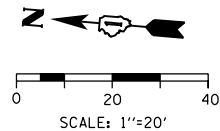
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 5 OF 11 SHEETS STA. 6221+05.00 TO STA. 6226+75.00

F.A.I. R.T.E. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 105
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4'
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

MATCH LINE STA 6226+75.00 (PR @ SB I-90/94) SEE SHEET NO.105

MATCH LINE STA 6232+00.00 (PR @ SB I-90/94) SEE SHEET NO.107

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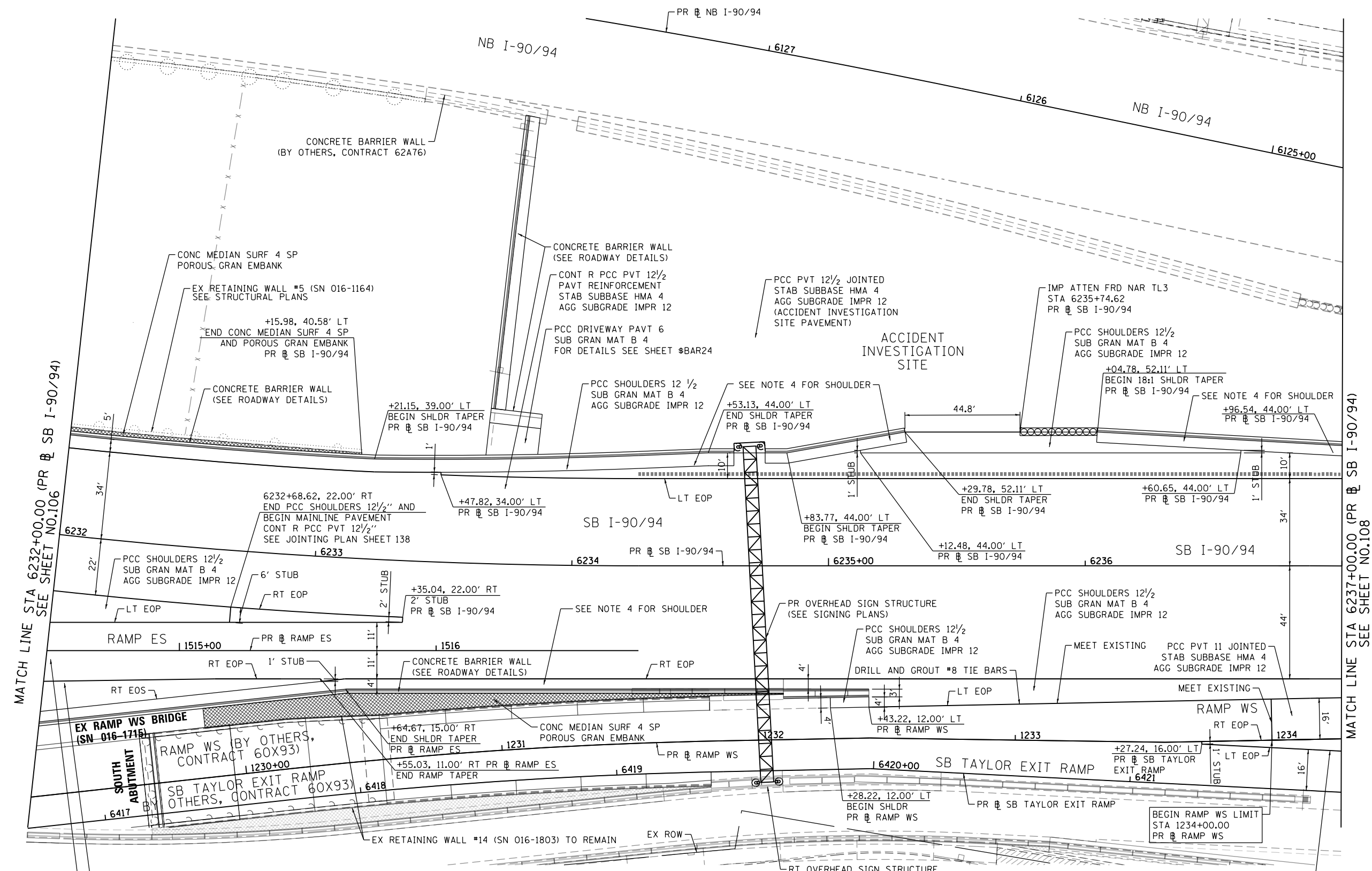
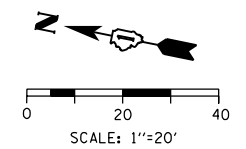
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 6 OF 11 SHEETS STA. 6226+75.00 TO STA. 6232+00.00

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 106
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6232+00.00 (PR SB I-90/94) SEE SHEET NO.106

MATCH LINE STA 6237+00.00 (PR SB I-90/94) SEE SHEET NO.108

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

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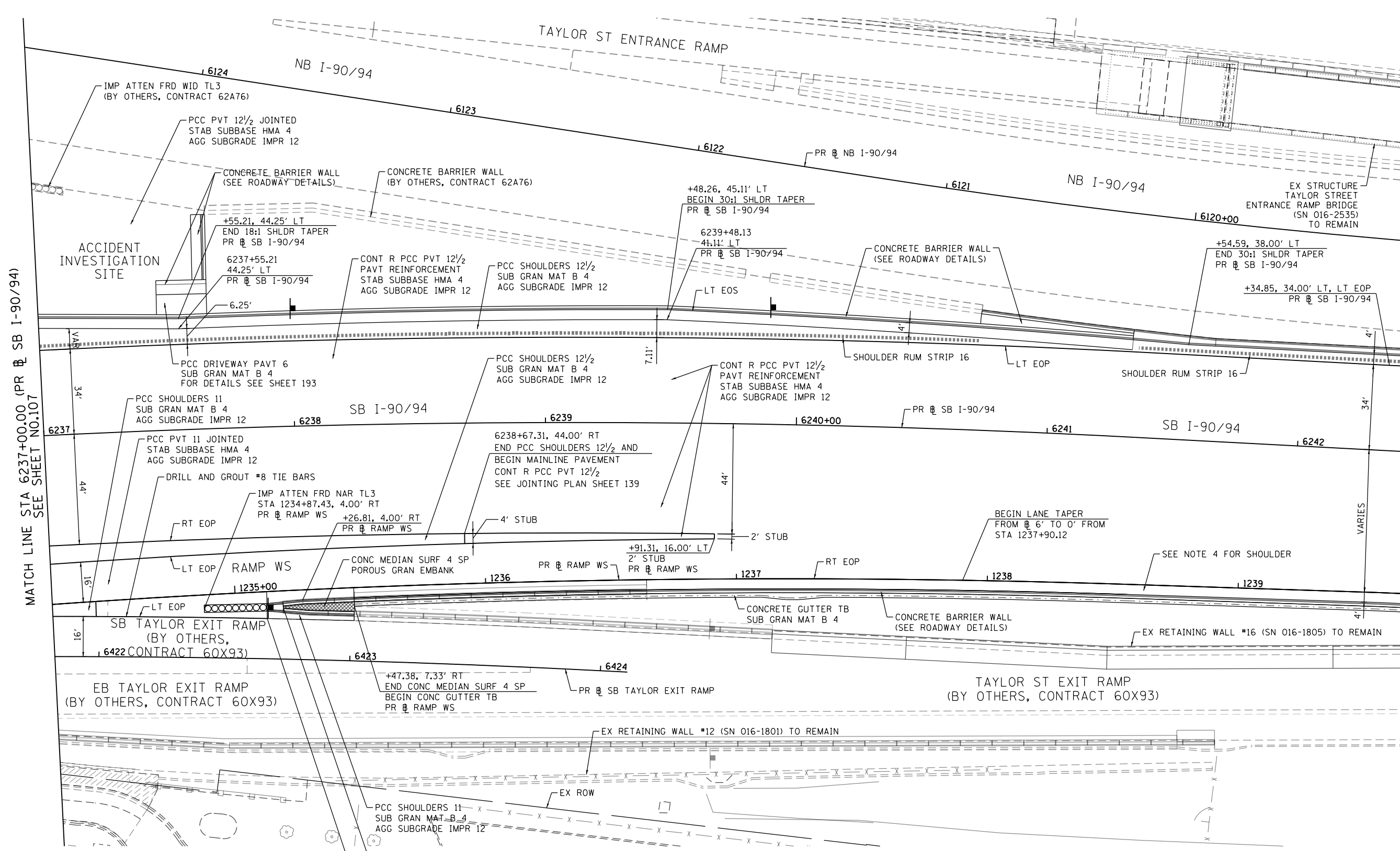
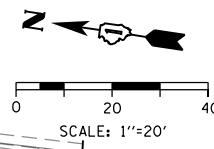
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 7 OF 11 SHEETS STA. 6232+00.00 TO STA. 6237+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	107
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6237+00.00 (PR SB I-90/94) SEE SHEET NO.107

MATCH LINE STA 6242+50.00 (PR SB I-90/94) SEE SHEET NO.109

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
4. IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER BASE SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

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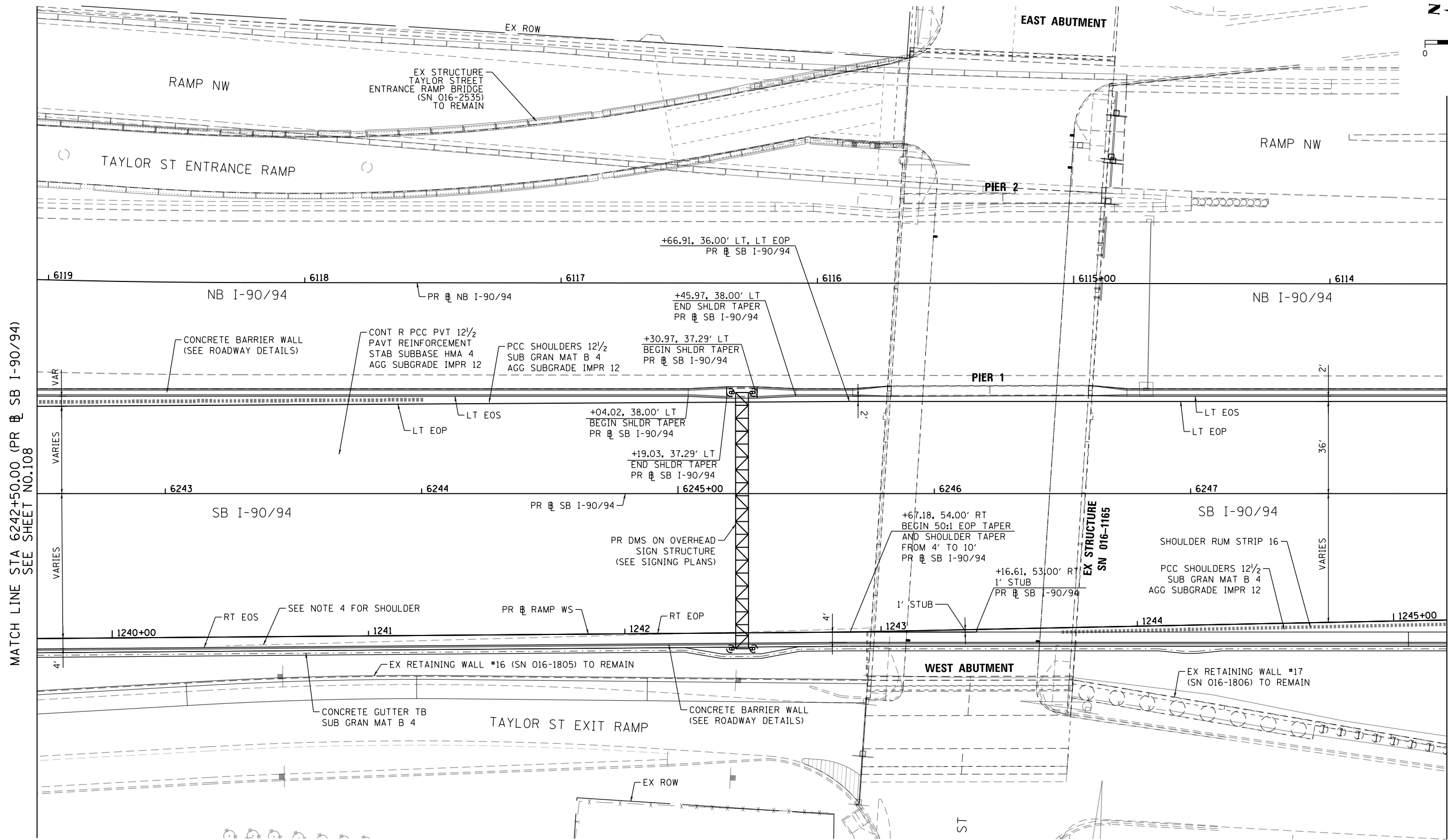
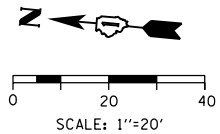
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20'    SHEET 8 OF 11 SHEETS    STA. 6237+00.00 TO STA. 6242+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	108
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				





MATCH LINE STA 6242+50.00 (PR @ SB I-90/94) SEE SHEET NO.108

MATCH LINE STA 6248+00.00 (PR @ SB I-90/94) SEE SHEET NO.110

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
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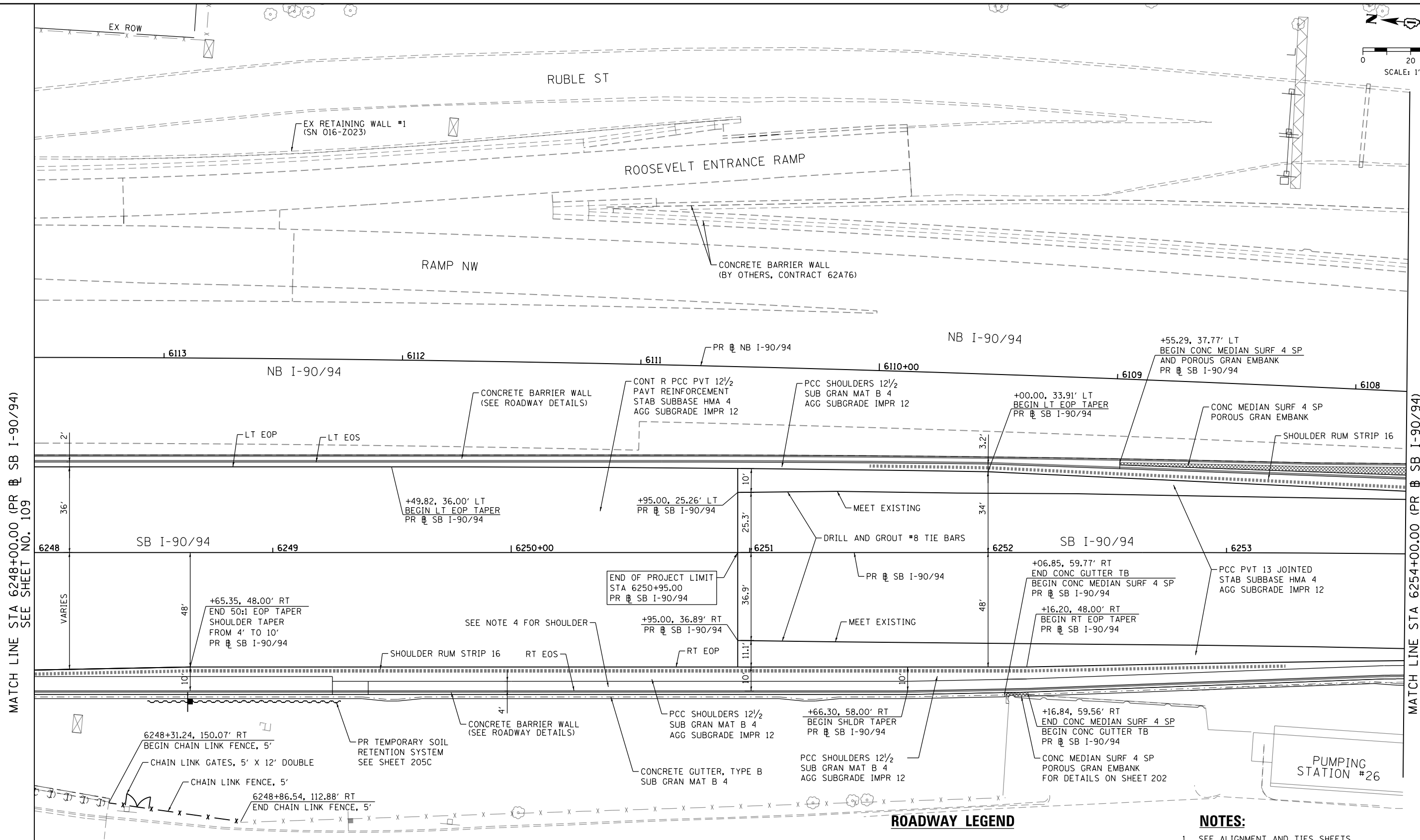
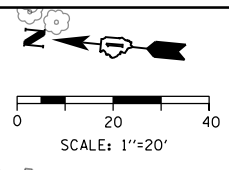
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 9 OF 11 SHEETS STA. 6242+50.00 TO STA. 6248+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	109
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6248+00.00 (PR SB I-90/94) SEE SHEET NO. 109

MATCH LINE STA 6254+00.00 (PR SB I-90/94) SEE SHEET NO. 111

**ROADWAY LEGEND**

- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
- CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
- PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

**NOTES:**

1. SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
2. SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
3. SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.

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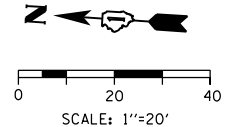
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

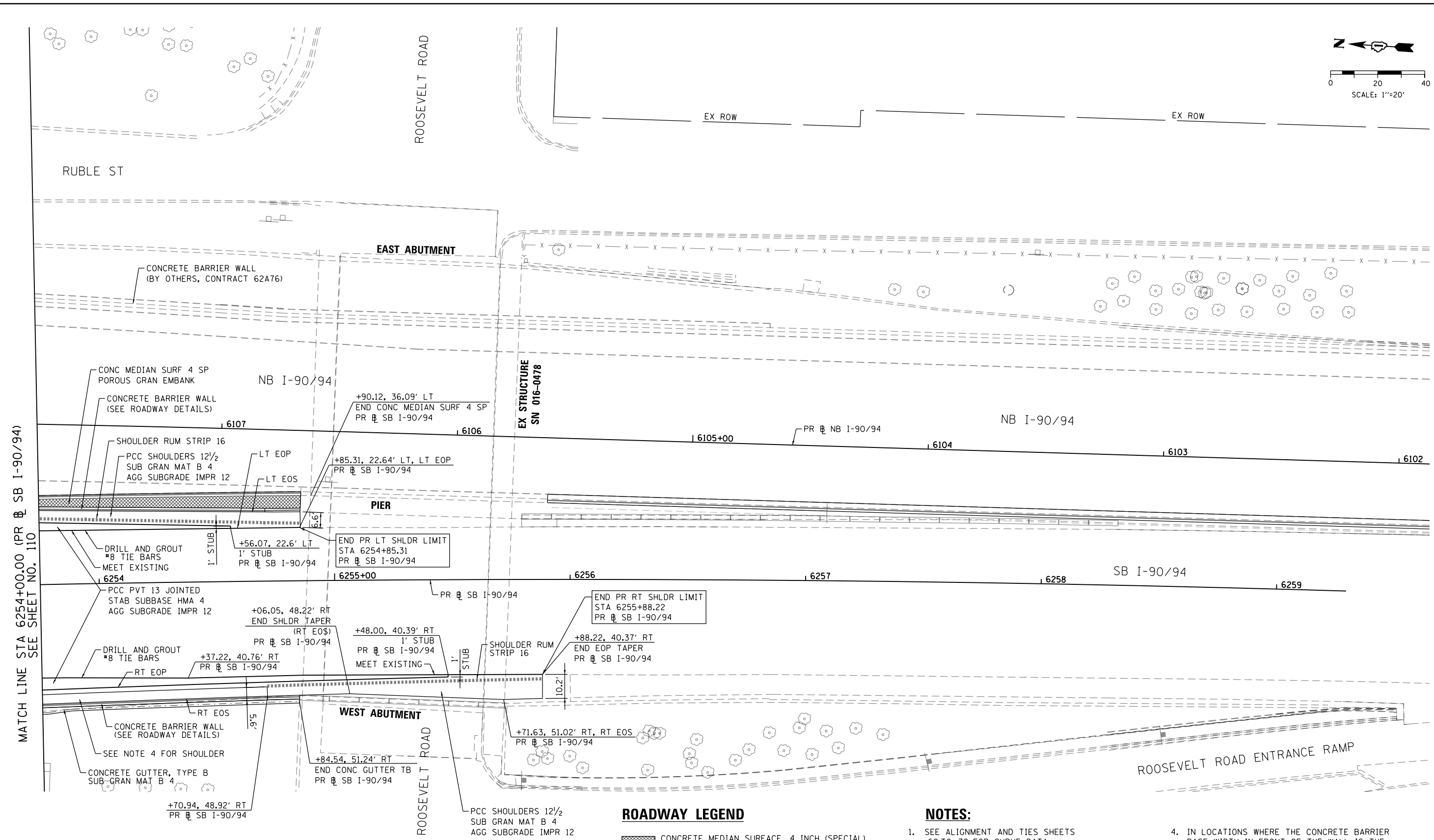
**ROADWAY PLAN  
SB I-90/94**

SCALE: 1"=20'    SHEET 10 OF 11 SHEETS    STA. 6248+00.00 TO STA. 6254+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	110
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



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**ROADWAY LEGEND**

	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND POROUS GRANULAR EMBANKMENT
	CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL) AND SUBBASE GRANULAR MATERIAL, TYPE B 4"
	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB

- NOTES:**
- SEE ALIGNMENT AND TIES SHEETS 60 TO 70 FOR CURVE DATA.
  - SEE JOINTING DETAILS AND SUPERELEVATION PLANS AND DETAILS ON SHEETS 122 TO 131 FOR GEOMETRIC INFORMATION.
  - SEE CONCRETE BARRIER AND ROADWAY DETAILS ON SHEETS 162 TO 205 FOR CONCRETE BARRIER DETAILS.
  - IN LOCATIONS WHERE THE CONCRETE BARRIER BASE WIDTH IN FRONT OF THE WALL IS THE SAME AS THE SHOULDER WIDTH, THE CONCRETE BARRIER BASE SHALL FUNCTION AS THE SHOULDER. NO SEPARATE SHOULDER MATERIAL IS INCLUDED.

MATCH LINE STA 6254+00.00 (PR SB I-90/94) SEE SHEET NO. 110



D162A77-SHT-PLAN-11.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - OPS	REVISED -
DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

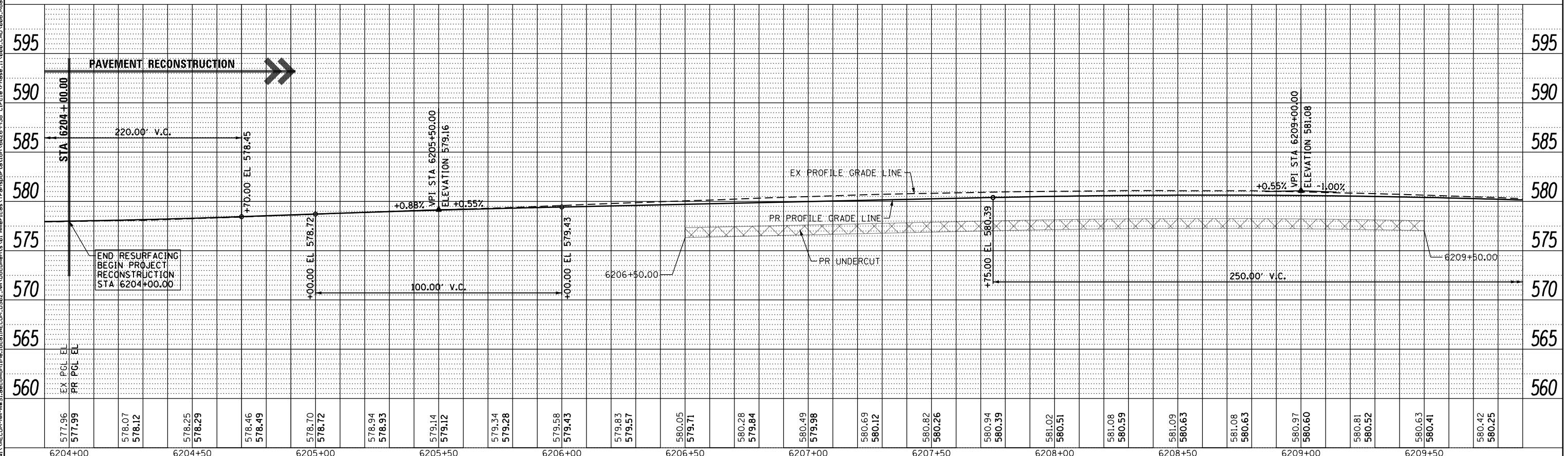
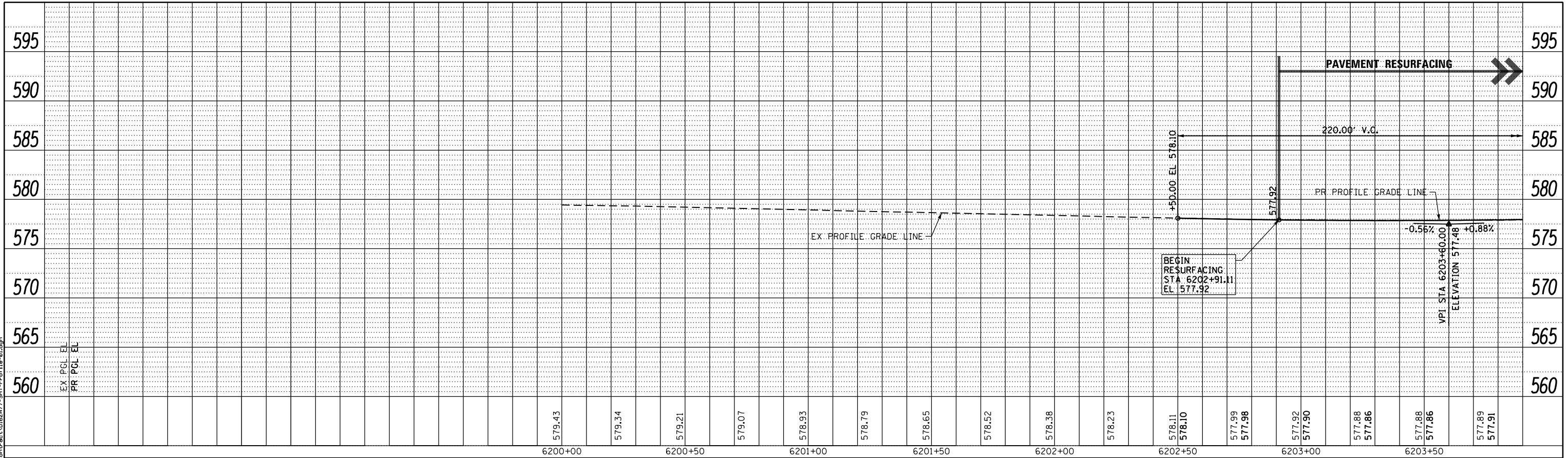
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN  
 SB I-90/94

SCALE: 1"=20' SHEET 11 OF 11 SHEETS STA. 6254+00.00 TO STA. 6259+29.52

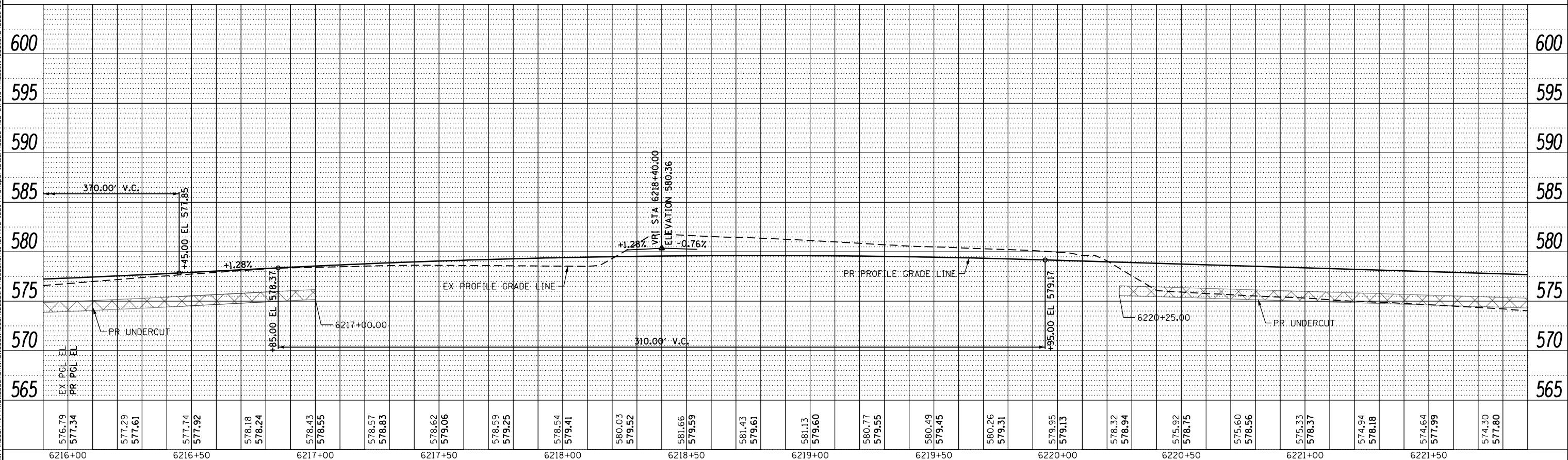
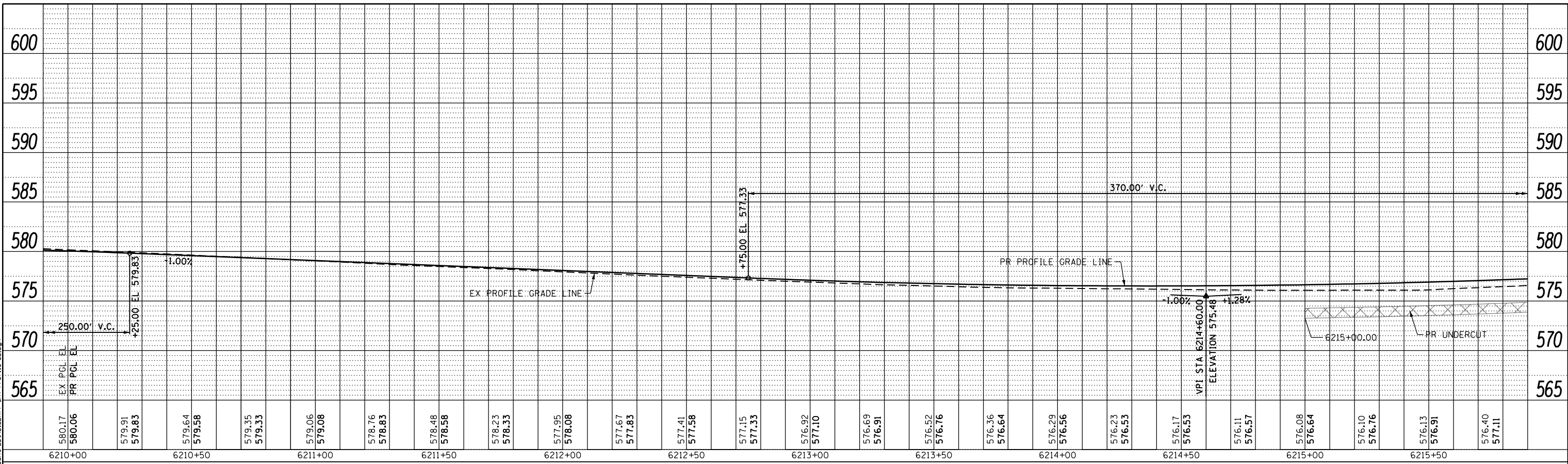
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	111
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA\MSI\excom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\6269938\_Circle\Phase\1\000\_CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-Profile-01.dgn



<b>AECOM</b> <small>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5776 PHONE: (312) 373-1700 FAX: (312) 373-6800</small>	D162A77-SHT-Profile-01.dgn USER NAME = PIMSARN0 PLOT SCALE = 40.000000' / in. PLOT DATE = 1/31/2020	DESIGNED - SDH DRAWN - OPS CHECKED - MJE DATE - 1/29/2019	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROADWAY PROFILE SB I-9094</b>	F.A.I. RTE. 90/94/290 SECTION 2015-018R COUNTY COOK TOTAL SHEETS 1360 SHEET NO. 112 CONTRACT NO. 62A77
SCALE: 1"=20'    SHEET 1 OF 10 SHEETS    STA. 6200+00.00 TO STA. 6209+90.00						ILLINOIS FED. AID PROJECT

FILE PATH = p:\AECOM\NA\MSI\encom\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000 CAD\006\_Roadway\_Sheets\62A77\_Contract\0162A77-SHT-Profile-02.dgn



D162A77-SHT-Profile-02.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / 1"  
 PLOT DATE = 1/31/2020

DESIGNED - SDH  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 1/29/2019

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

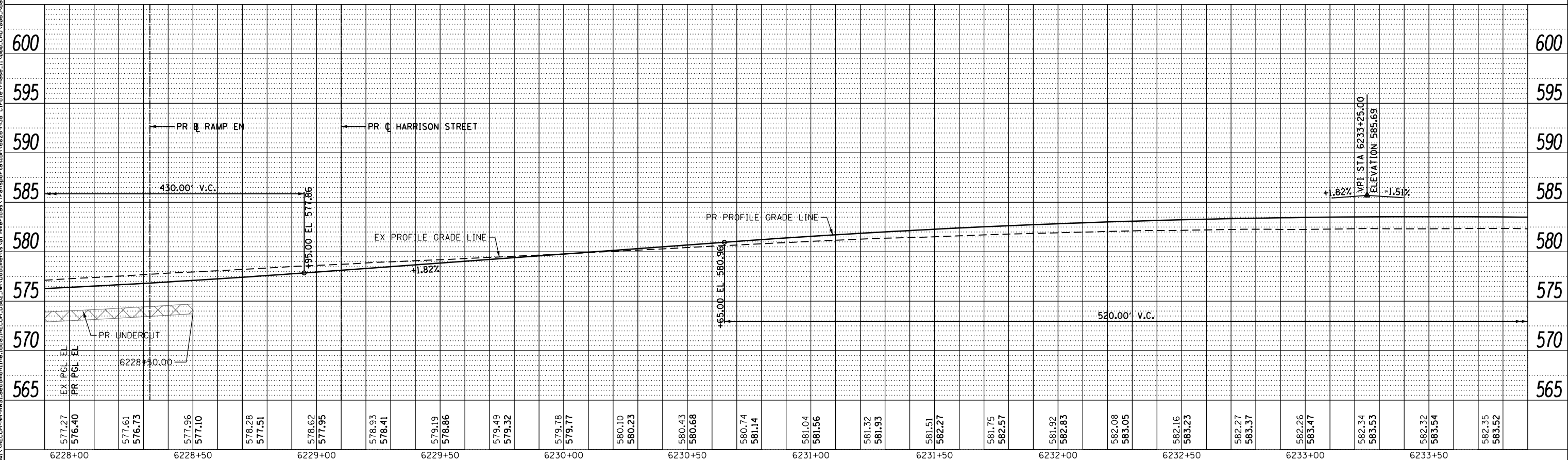
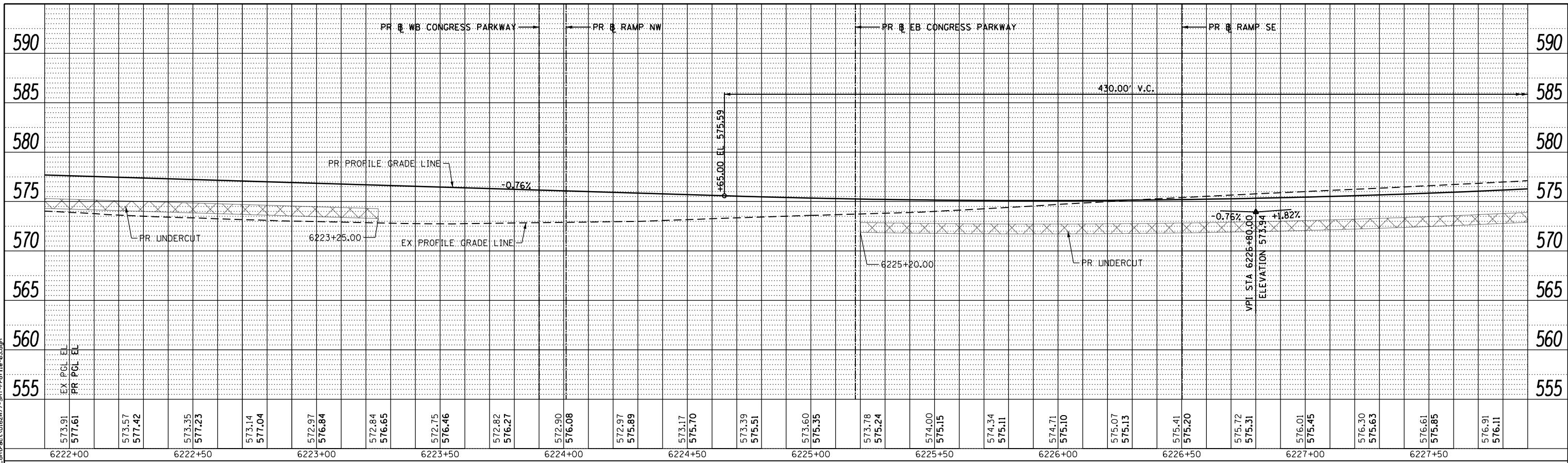
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 SB I-9094

SCALE: 1"=20' SHEET 2 OF 10 SHEETS STA. 6209+90.00 TO STA. 6221+90.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	113
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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D162A77-SHT-Profile-03.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - SDH	REVISED -
DRAWN - OPS	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

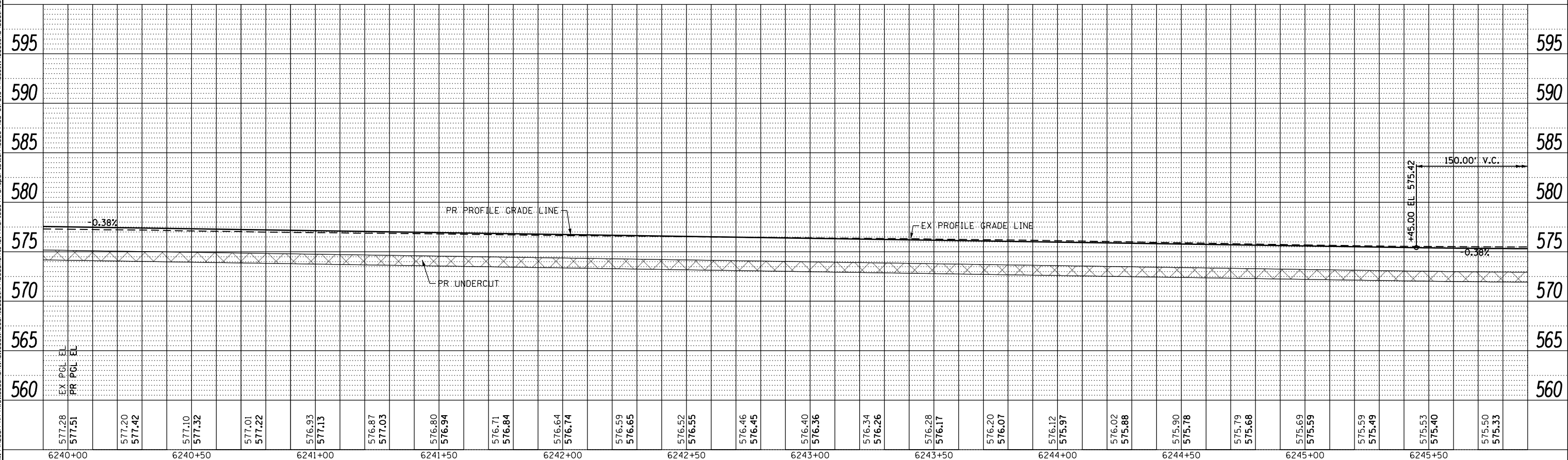
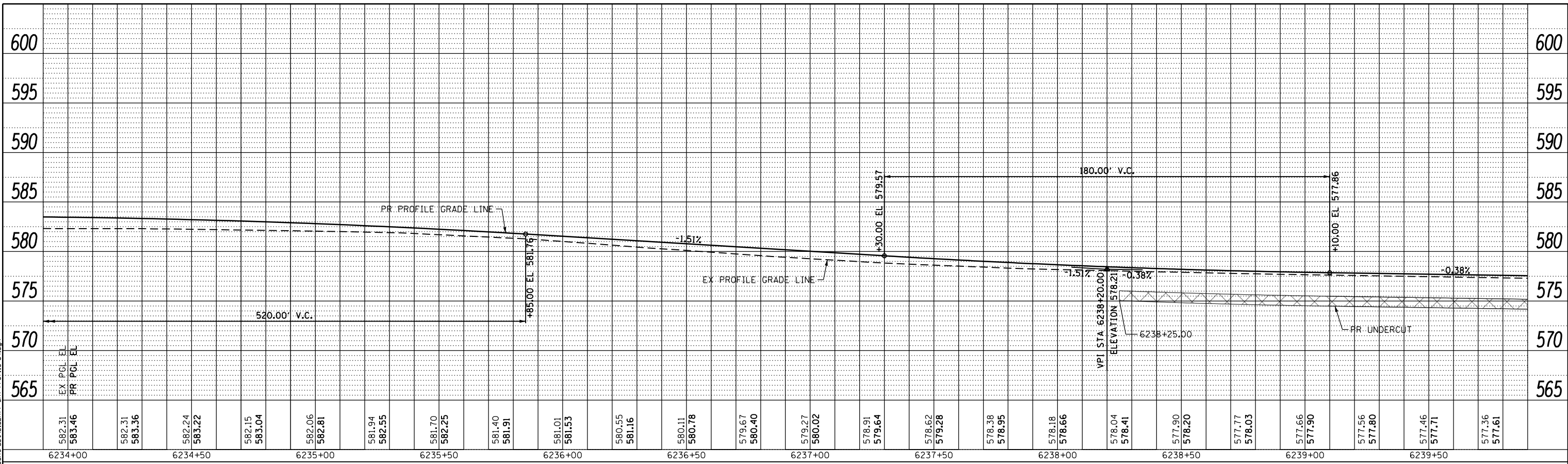
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 SB I-9094

SCALE: 1"=20' SHEET 3 OF 10 SHEETS STA. 6221+90.00 TO STA. 6233+90.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	114
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	

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D162A77-SHT-Profile-04.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / 1"  
 PLOT DATE = 1/31/2020

DESIGNED - SDH  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 1/29/2019

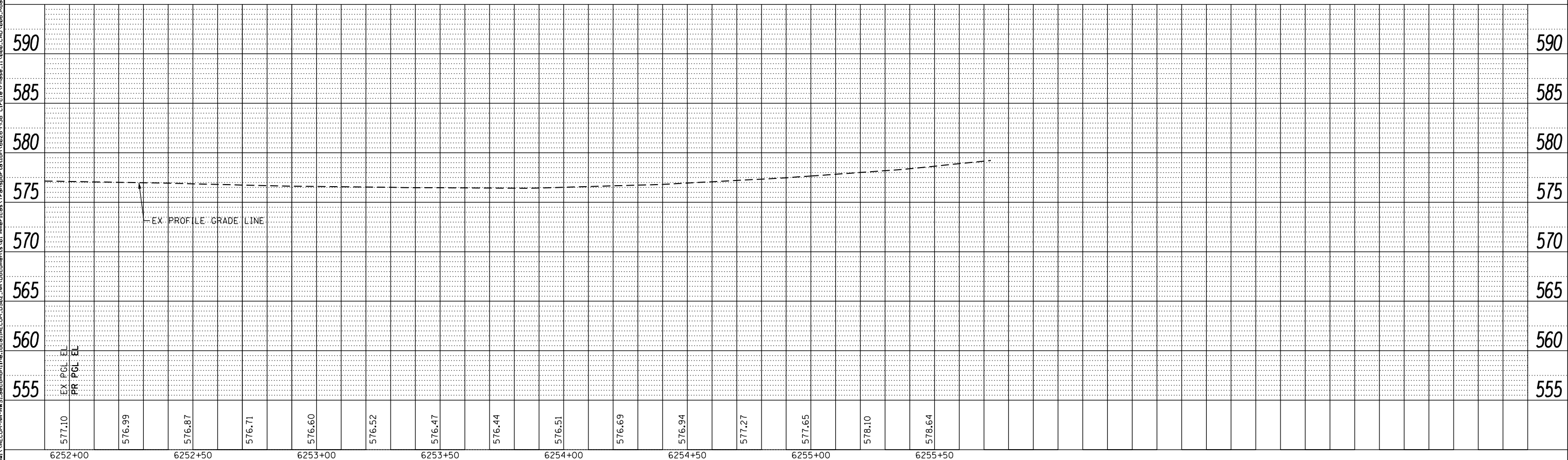
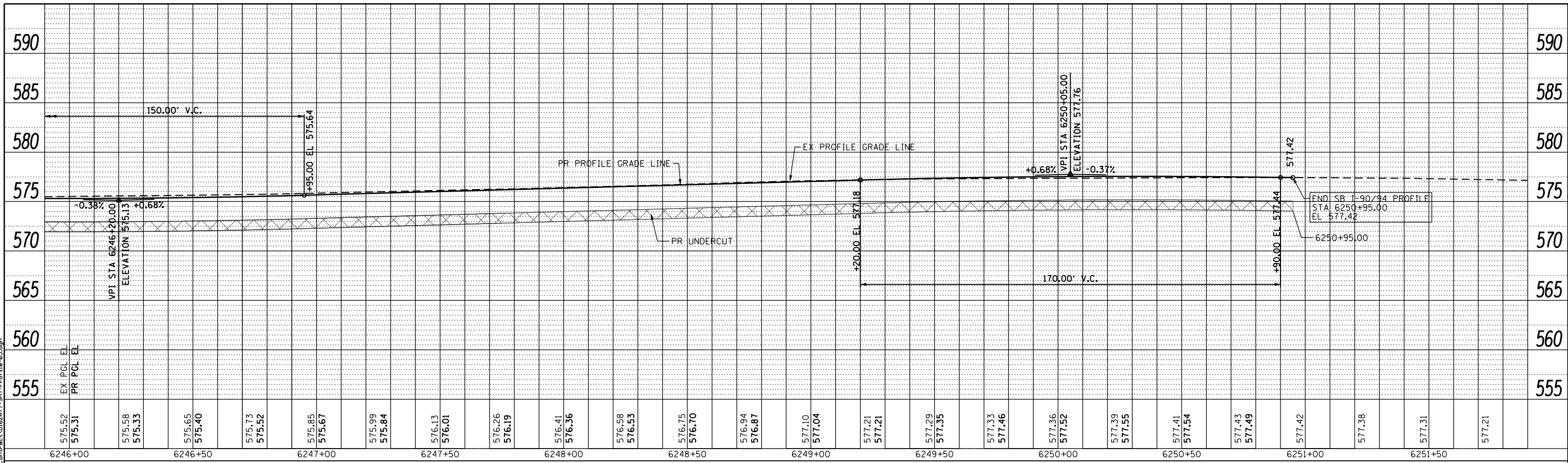
REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 SB I-9094  
 SCALE: 1"=20'  
 SHEET 4 OF 10 SHEETS  
 STA. 6233+90.00 TO STA. 6245+90.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	115
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\AECOM\NA\MSI\encom\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\006\_Roadway\_Sheets\62A77\_Contract\0162A77-SHT-Profile-05.dgn



D162A77-SHT-Profile-05.dgn  
USER NAME = PIMSARN0  
PLOT SCALE = 40.000000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - SDH  
DRAWN - OPS  
CHECKED - MJE  
DATE - 1/29/2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

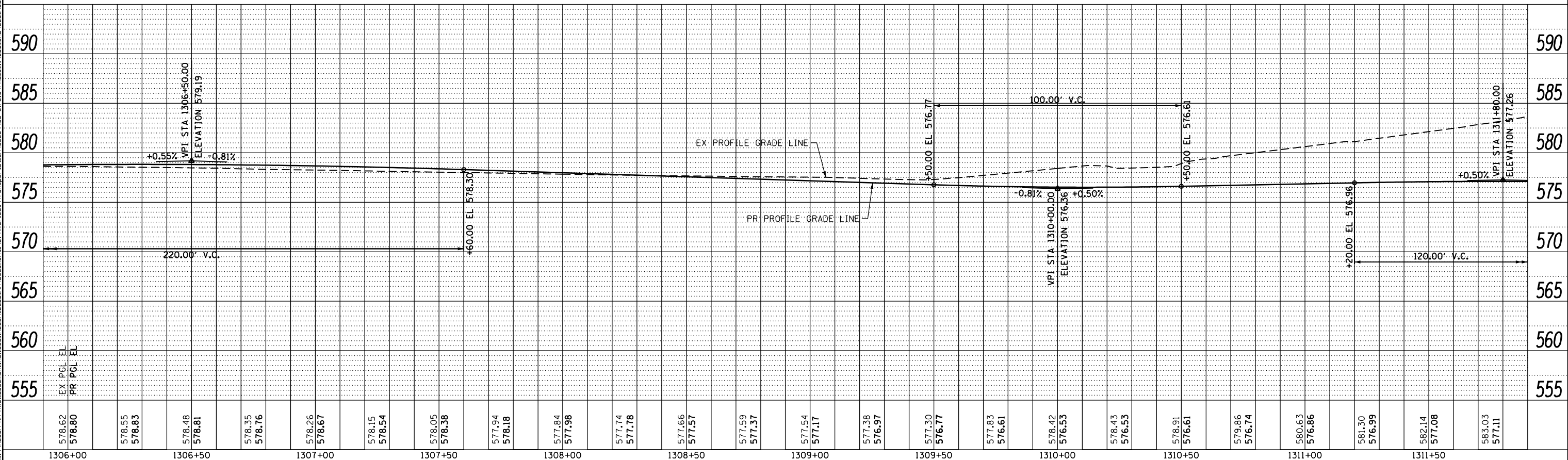
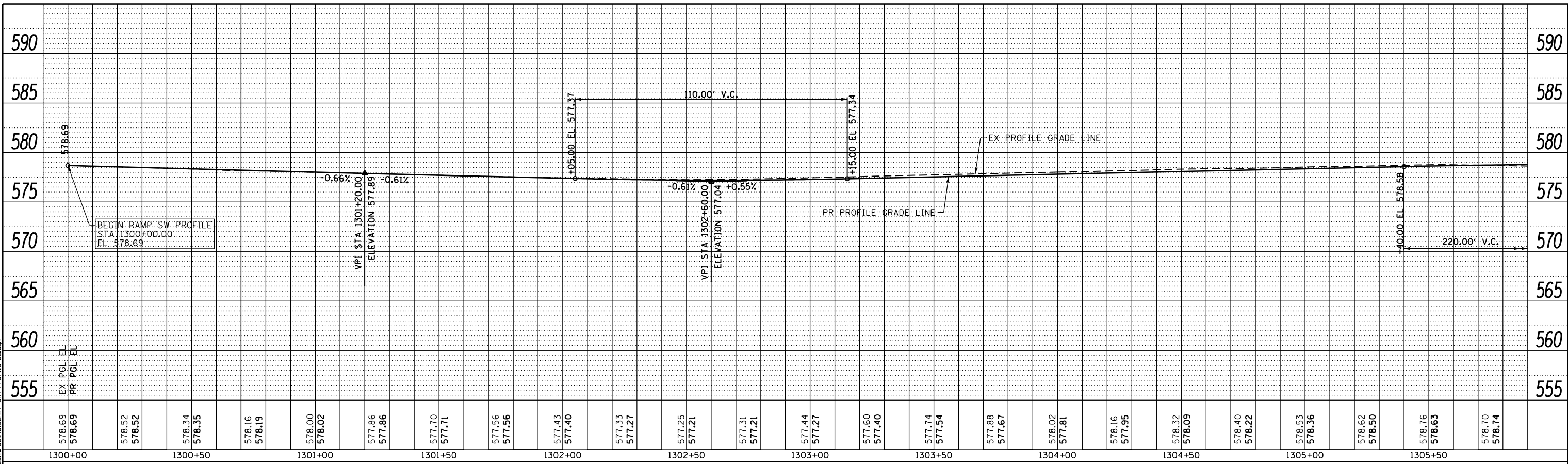
ROADWAY PROFILE  
SB I-90/94

SCALE: 1"=20' SHEET 5 OF 10 SHEETS STA. 6245+90.00 TO STA. 6252+85.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	116
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



FILE PATH = p:\VACOM-NA-ANSI\ecommon\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60289938\_Circle Phase [1\000 CAD\006\_Roadway\_Sheets\62A77\_Contracts\0162A77-SHT-Profile-06.dgn



D162A77-SHT-Profile-06.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - SDH  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 1/29/2019

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

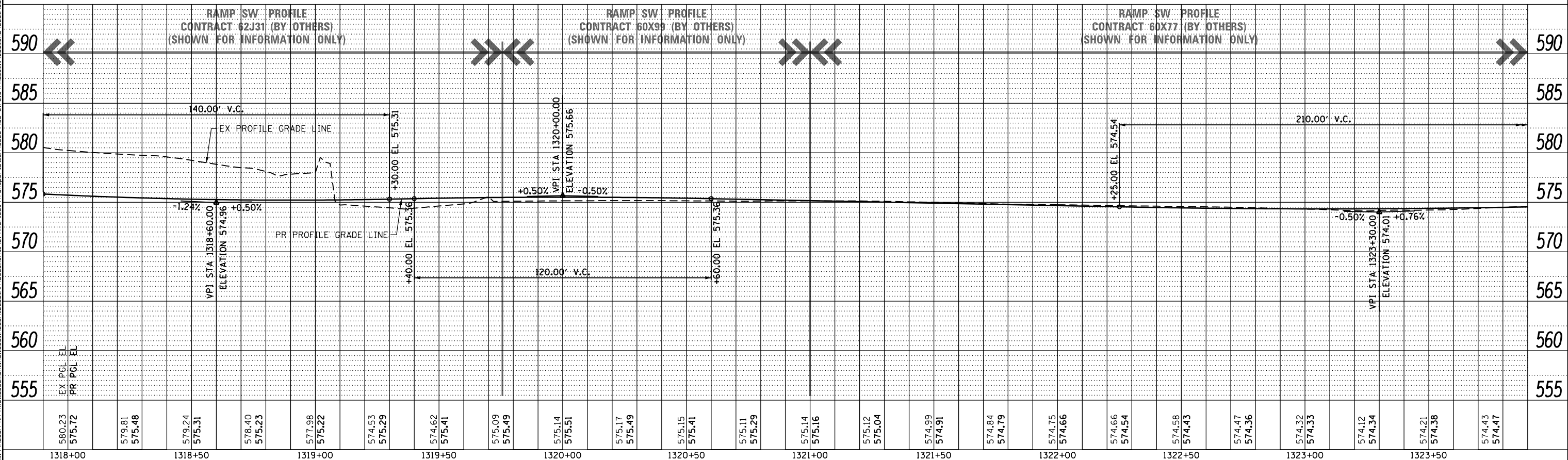
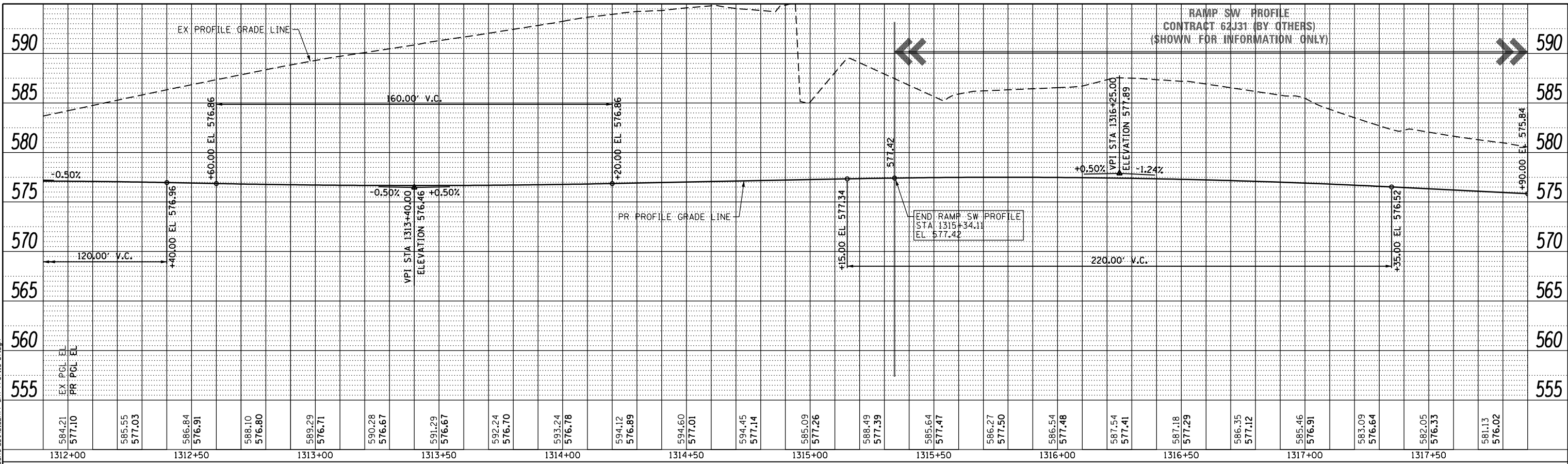
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 RAMP SW

SCALE: 1"=20' SHEET 6 OF 10 SHEETS STA. 1300+00.00 TO STA. 1311+90.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	117
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	

FILE PATH = p:\AECOM\NA\MSI\encom\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60289938\_Circle Phase II\000 CAD\006\_Roadway\_Sheets\62A77\_Contract\0162A77-SHT-Profile-07.dgn



D162A77-SHT-Profile-07.dgn  
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 PLOT SCALE = 40.000000' / 1"  
 PLOT DATE = 1/31/2020

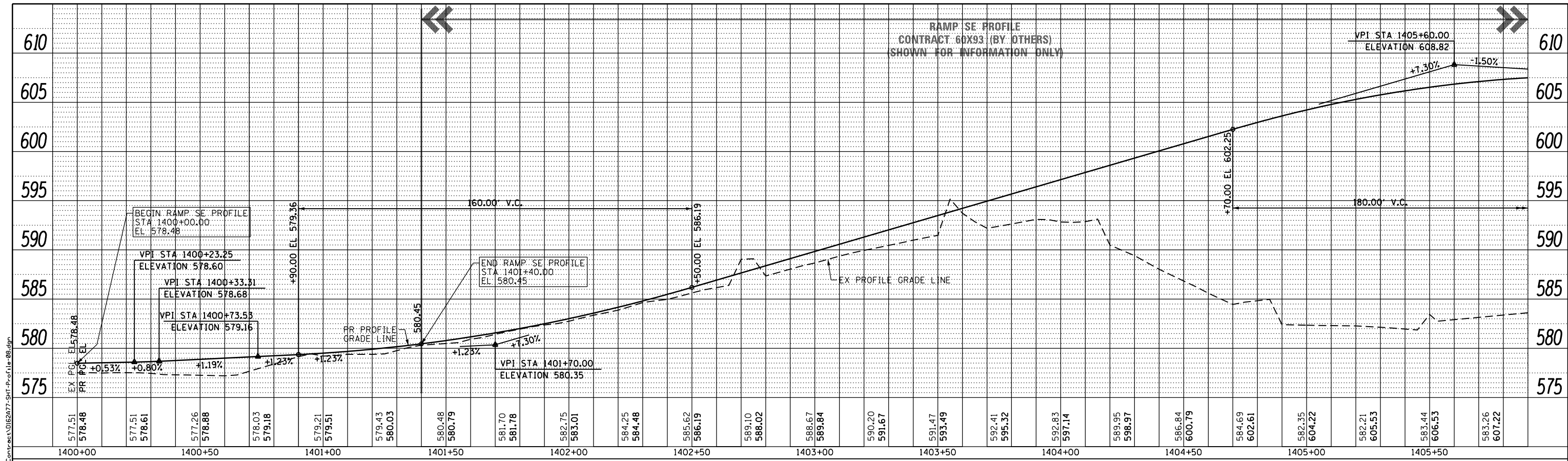
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DRAWN - OPS	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 RAMP SW

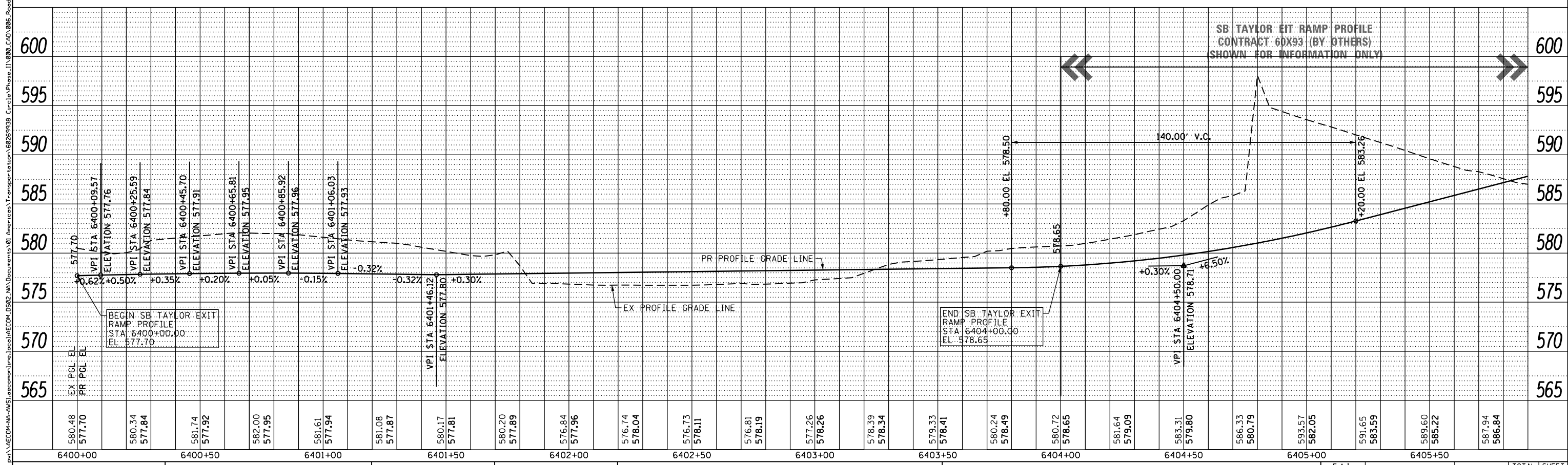
SCALE: 1"=20' SHEET 7 OF 10 SHEETS STA. 1311+90.00 TO STA. 1323+90.00

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 118
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



**RAMP SE (TOP)**

**SB TAYLOR EXIT RAMP (BOTTOM)**



D162477-SHT-Profile-08.dgn  
USER NAME = PIMSARNR  
PLOT SCALE = 40.000000' / in.  
PLOT DATE = 1/31/2020

DESIGNED -	SDH	REVISED -	
DRAWN -	OPS	REVISED -	
CHECKED -	MJE	REVISED -	
DATE -	1/29/2019	REVISED -	

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

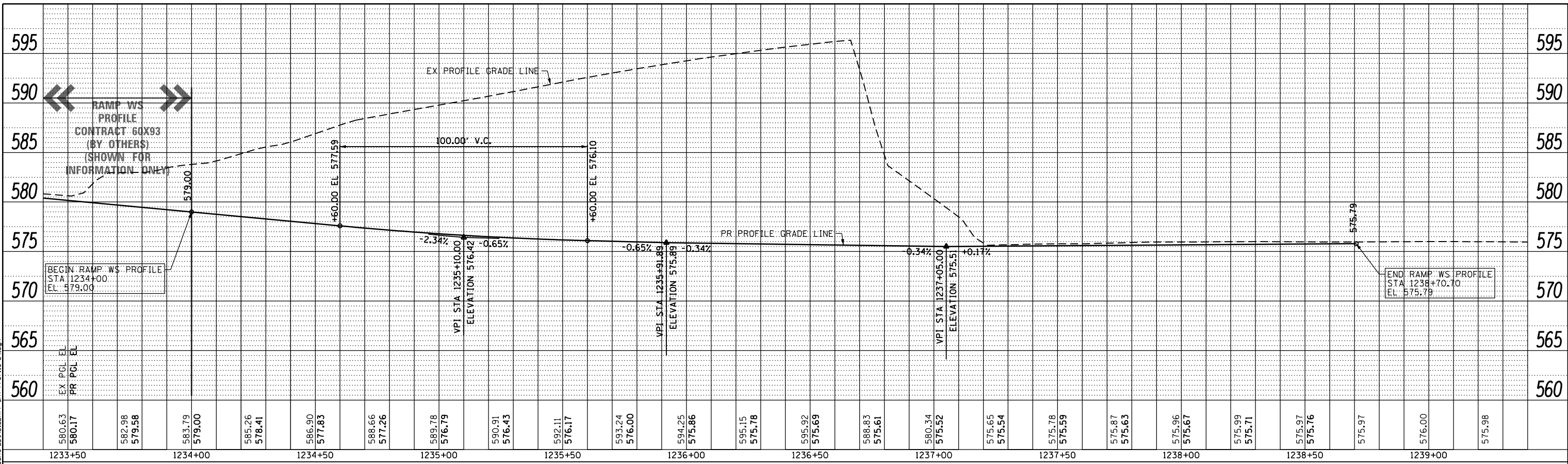
**ROADWAY PROFILE**  
**RAMP SE AND SB TAYLOR EXIT RAMP**

SCALE: 1"=20'

SHEET 8 OF 10 SHEETS STA. TO STA.

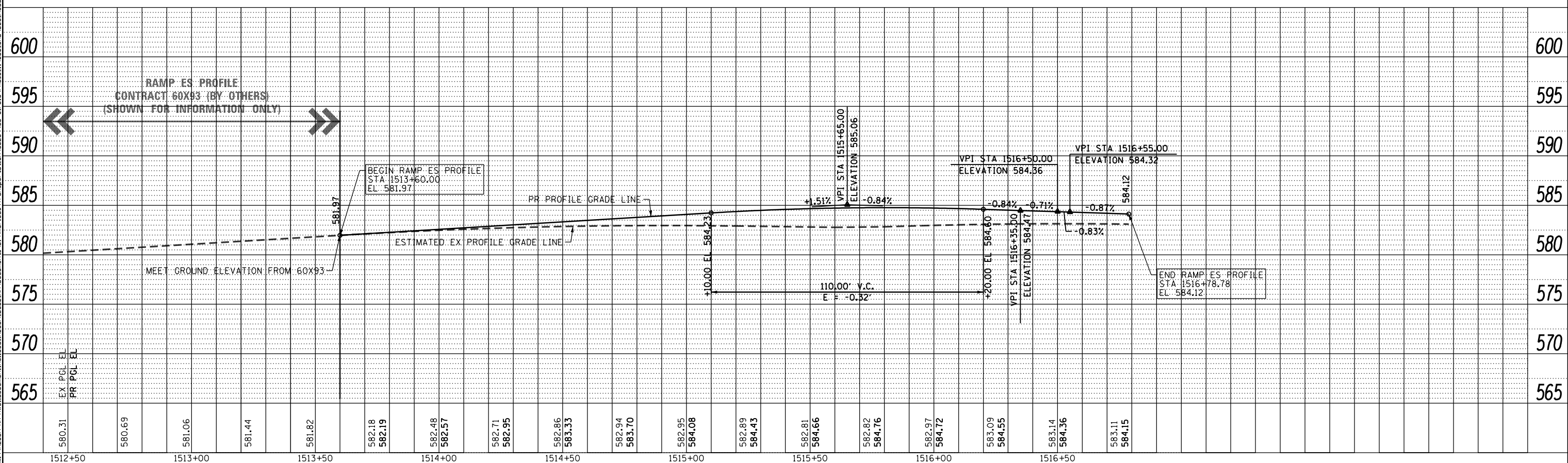
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	119
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\VACOM\NA\MSI\accmon\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000 CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-Profile-09.dgn



RAMP WS (TOP)

RAMP ES (BOTTOM)



D162A77-SHT-Profile-09.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / in.  
 PLOT DATE = 1/31/2020

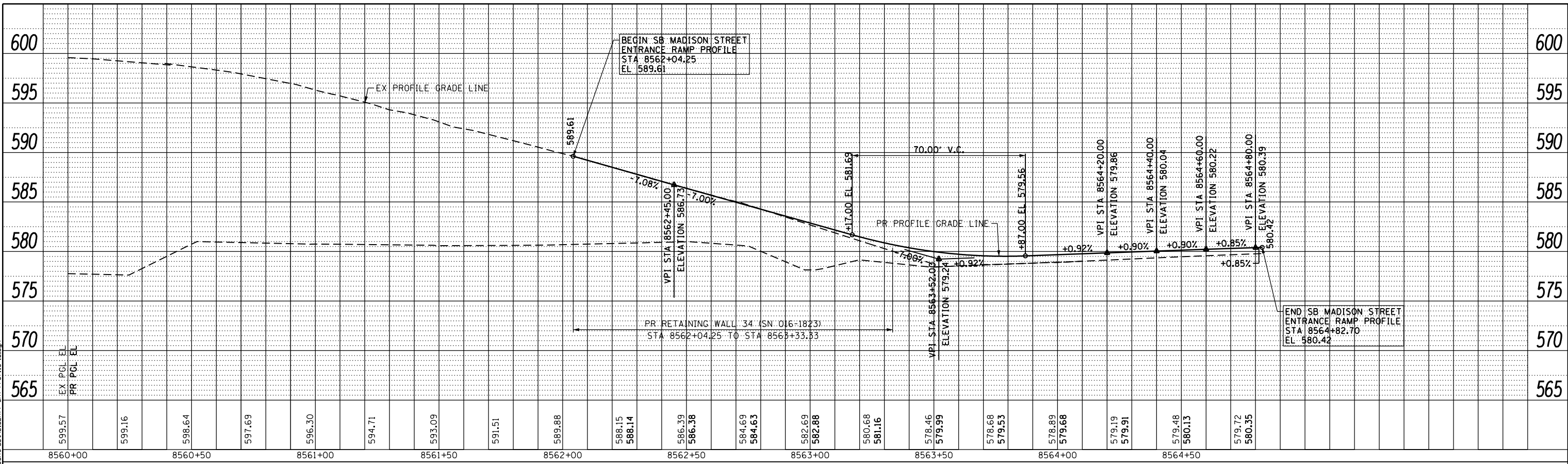
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DRAWN - OPS	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROADWAY PROFILE  
 RAMP WS AND RAMP ES  
 SCALE: 1"=20'  
 SHEET 9 OF 10 SHEETS STA. TO STA.

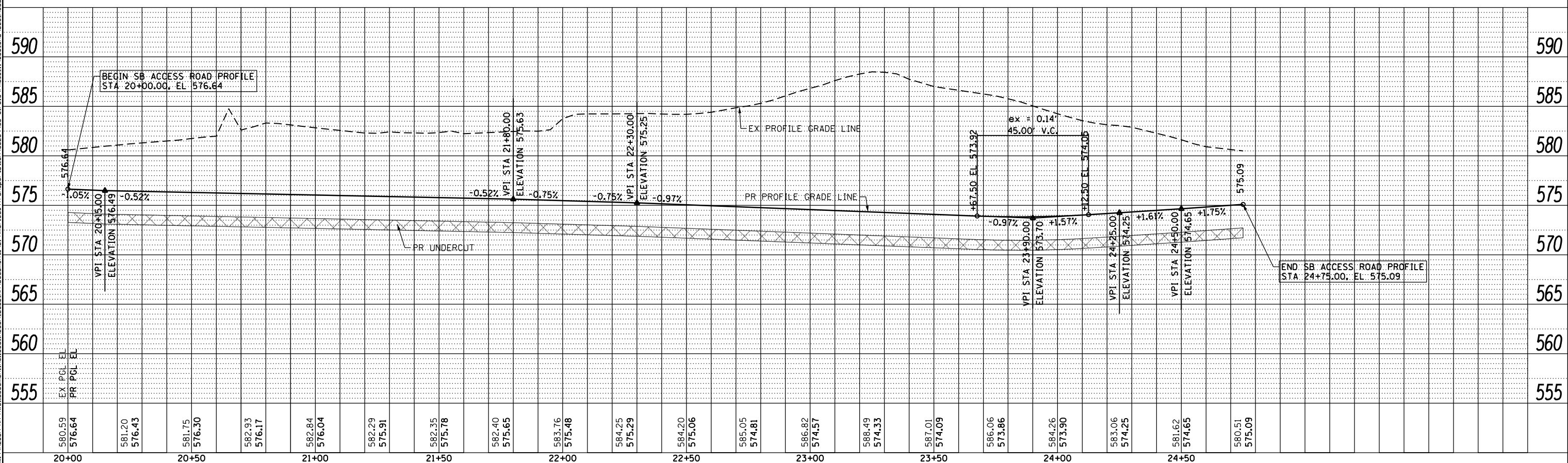
F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 120
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**SB MADISON STREET ENTRANCE RAMP (TOP)**

**SB ACCESS ROAD (BOTTOM)**



D162A77-SHT-Profile-10.dgn  
 USER NAME = PIMSARN0  
 PLOT SCALE = 40.000000' / 1"  
 PLOT DATE = 1/31/2020

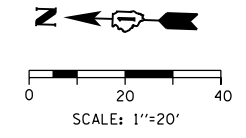
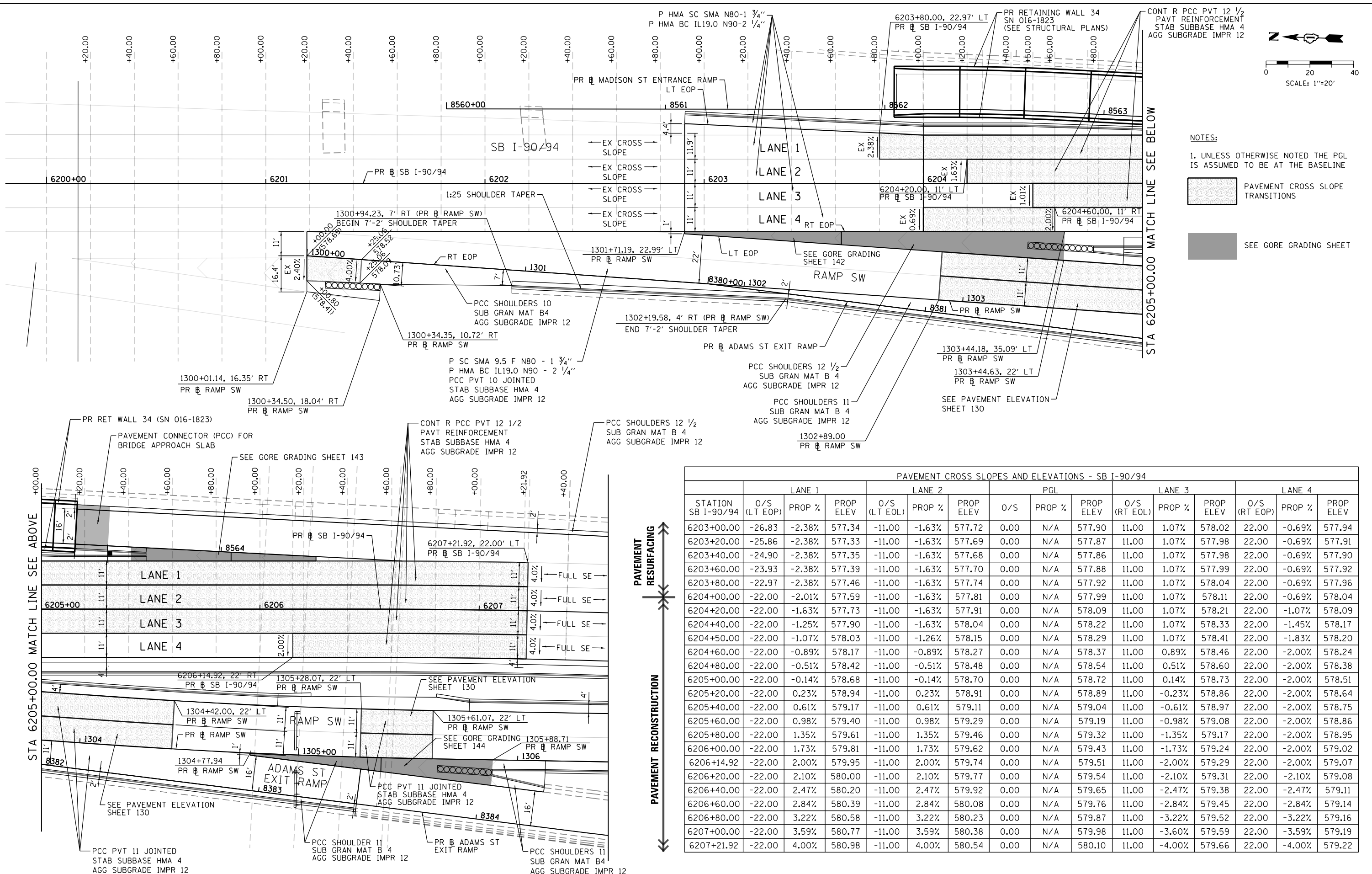
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CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PROFILE**  
**SB MADISON ENTRANCE RAMP AND SB ACCESS RD**  
 SCALE: 1"=20' SHEET 10 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	121
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\VACOM\NA\MSI\encom\local\AECOM\_0502\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\000\_CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-PVT\_EL-01.dgn



- NOTES:**
- UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
- PAVEMENT CROSS SLOPE TRANSITIONS
  - SEE GORE GRADING SHEET

PAVEMENT CROSS SLOPES AND ELEVATIONS - SB I-90/94															
STATION SB I-90/94	LANE 1			LANE 2			PGL			LANE 3			LANE 4		
	O/S (LT EOP)	PROP %	PROP ELEV	O/S (LT EOL)	PROP %	PROP ELEV	O/S	PROP %	PROP ELEV	O/S (RT EOL)	PROP %	PROP ELEV	O/S (RT EOP)	PROP %	PROP ELEV
6203+00.00	-26.83	-2.38%	577.34	-11.00	-1.63%	577.72	0.00	N/A	577.90	11.00	1.07%	578.02	22.00	-0.69%	577.94
6203+20.00	-25.86	-2.38%	577.33	-11.00	-1.63%	577.69	0.00	N/A	577.87	11.00	1.07%	577.98	22.00	-0.69%	577.91
6203+40.00	-24.90	-2.38%	577.35	-11.00	-1.63%	577.68	0.00	N/A	577.86	11.00	1.07%	577.98	22.00	-0.69%	577.90
6203+60.00	-23.93	-2.38%	577.39	-11.00	-1.63%	577.70	0.00	N/A	577.88	11.00	1.07%	577.99	22.00	-0.69%	577.92
6203+80.00	-22.97	-2.38%	577.46	-11.00	-1.63%	577.74	0.00	N/A	577.92	11.00	1.07%	578.04	22.00	-0.69%	577.96
6204+00.00	-22.00	-2.01%	577.59	-11.00	-1.63%	577.81	0.00	N/A	577.99	11.00	1.07%	578.11	22.00	-0.69%	578.04
6204+20.00	-22.00	-1.63%	577.73	-11.00	-1.63%	577.91	0.00	N/A	578.09	11.00	1.07%	578.21	22.00	-1.07%	578.09
6204+40.00	-22.00	-1.25%	577.90	-11.00	-1.63%	578.04	0.00	N/A	578.22	11.00	1.07%	578.33	22.00	-1.45%	578.17
6204+50.00	-22.00	-1.07%	578.03	-11.00	-1.26%	578.15	0.00	N/A	578.29	11.00	1.07%	578.41	22.00	-1.83%	578.20
6204+60.00	-22.00	-0.89%	578.17	-11.00	-0.89%	578.27	0.00	N/A	578.37	11.00	0.89%	578.46	22.00	-0.00%	578.24
6204+80.00	-22.00	-0.51%	578.42	-11.00	-0.51%	578.48	0.00	N/A	578.54	11.00	0.51%	578.60	22.00	-2.00%	578.38
6205+00.00	-22.00	-0.14%	578.68	-11.00	-0.14%	578.70	0.00	N/A	578.72	11.00	0.14%	578.73	22.00	-2.00%	578.51
6205+20.00	-22.00	0.23%	578.94	-11.00	0.23%	578.91	0.00	N/A	578.89	11.00	-0.23%	578.86	22.00	-2.00%	578.64
6205+40.00	-22.00	0.61%	579.17	-11.00	0.61%	579.11	0.00	N/A	579.04	11.00	-0.61%	578.97	22.00	-2.00%	578.75
6205+60.00	-22.00	0.98%	579.40	-11.00	0.98%	579.29	0.00	N/A	579.19	11.00	-0.98%	579.08	22.00	-2.00%	578.86
6205+80.00	-22.00	1.35%	579.61	-11.00	1.35%	579.46	0.00	N/A	579.32	11.00	-1.35%	579.17	22.00	-2.00%	578.95
6206+00.00	-22.00	1.73%	579.81	-11.00	1.73%	579.62	0.00	N/A	579.43	11.00	-1.73%	579.24	22.00	-2.00%	579.02
6206+14.92	-22.00	2.00%	579.95	-11.00	2.00%	579.74	0.00	N/A	579.51	11.00	-2.00%	579.29	22.00	-2.00%	579.07
6206+20.00	-22.00	2.10%	580.00	-11.00	2.10%	579.77	0.00	N/A	579.54	11.00	-2.10%	579.31	22.00	-2.10%	579.08
6206+40.00	-22.00	2.47%	580.20	-11.00	2.47%	579.92	0.00	N/A	579.65	11.00	-2.47%	579.38	22.00	-2.47%	579.11
6206+60.00	-22.00	2.84%	580.39	-11.00	2.84%	580.08	0.00	N/A	579.76	11.00	-2.84%	579.45	22.00	-2.84%	579.14
6206+80.00	-22.00	3.22%	580.58	-11.00	3.22%	580.23	0.00	N/A	579.87	11.00	-3.22%	579.52	22.00	-3.22%	579.16
6207+00.00	-22.00	3.59%	580.77	-11.00	3.59%	580.38	0.00	N/A	579.98	11.00	-3.60%	579.59	22.00	-3.59%	579.19
6207+21.92	-22.00	4.00%	580.98	-11.00	4.00%	580.54	0.00	N/A	580.10	11.00	-4.00%	579.66	22.00	-4.00%	579.22

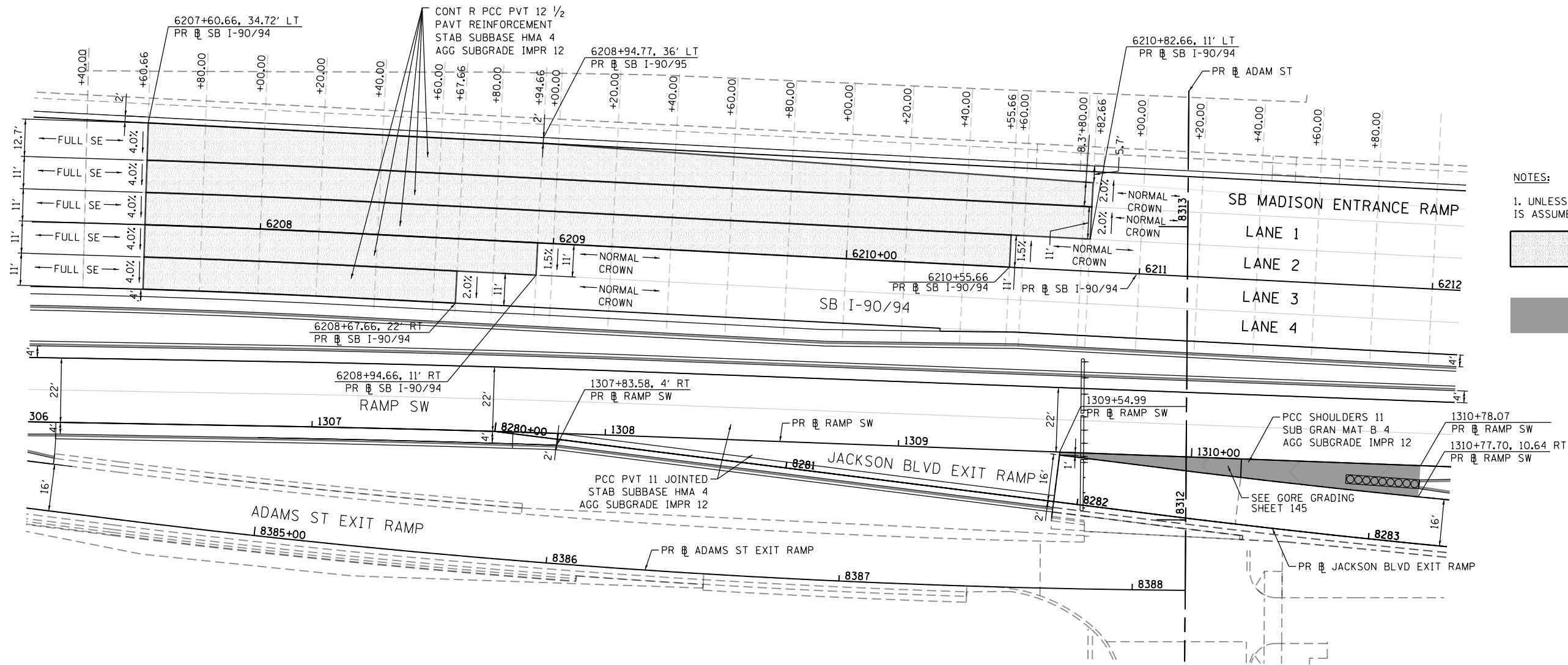
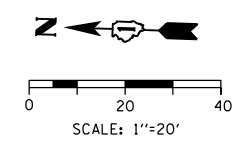


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USER NAME = andy.becker	DRAWN - ATB	REVISED -
PLOT SCALE = 40.0000' / IN.	CHECKED - OPS	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT ELEVATION AND SUPERELEVATION DETAILS SB I-90/94			
SCALE: 1"=20'	SHEET 1 OF 10 SHEETS	STA. 6200+00.00 TO STA. 6204+50.00	F.A.I. RTE. 90/94/290

SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 122
CONTRACT NO. 62A77			
ILLINOIS FED. AID PROJECT			



- NOTES:**
- UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE
- PAVEMENT CROSS SLOPE TRANSITIONS
  - SEE GORE GRADING SHEET

**CURVE P-KDR-SB-1  
SUPERELEVATION TRANSITION FROM  
SE TO NORMAL CROWN**

STATION	PAVEMENT CROSS SLOPE AND ELEVATIONS SB I-90/94																	
	SB MADISON ENTRANCE RAMP			LANE 1			LANE 2			PGL			LANE 3			LANE 4		
	O/S (LT EOP)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOP)	%	EL
SB I-90/94																		
6207+60.66	-34.73	4.00%	581.70	-22.00	4.00%	581.20	-11.00	4.00%	580.76	0.00	N/A	580.32	11.00	-4.00%	579.88	22.00	-4.00%	579.44
6207+80.00	-34.39	3.64%	581.67	-22.00	3.64%	581.22	-11.00	3.64%	580.82	0.00	N/A	580.42	11.00	-3.64%	580.02	22.00	-3.64%	579.62
6208+00.00	-34.15	3.27%	581.63	-22.00	3.27%	581.23	-11.00	3.27%	580.87	0.00	N/A	580.51	11.00	-3.27%	580.15	22.00	-3.27%	579.79
6208+20.00	-34.02	2.89%	581.56	-22.00	2.89%	581.22	-11.00	2.89%	580.90	0.00	N/A	580.58	11.00	-2.89%	580.26	22.00	-2.89%	579.94
6208+40.00	-34.00	2.52%	581.48	-22.00	2.52%	581.17	-11.00	2.52%	580.90	0.00	N/A	580.62	11.00	-2.52%	580.34	22.00	-2.52%	580.07
6208+60.00	-34.00	2.15%	581.37	-22.00	2.15%	581.11	-11.00	2.15%	580.88	0.00	N/A	580.64	11.00	-2.15%	580.40	22.00	-2.15%	580.17
6208+67.66	-34.00	2.01%	581.32	-22.00	2.01%	581.08	-11.00	2.01%	580.86	0.00	N/A	580.64	11.00	-2.01%	580.42	22.00	-2.01%	580.20
6208+80.00	-34.00	1.78%	581.23	-22.00	1.78%	581.02	-11.00	1.78%	580.83	0.00	N/A	580.63	11.00	-1.78%	580.43	22.00	-2.00%	580.22
6208+94.66	-34.00	1.50%	581.12	-22.00	1.50%	580.94	-11.00	1.50%	580.78	0.00	N/A	580.61	11.00	-1.50%	580.45			
6209+00.00	-34.00	1.40%	581.07	-22.00	1.40%	580.91	-11.00	1.40%	580.75	0.00	N/A	580.60						
6209+20.00	-34.00	1.03%	580.89	-22.00	1.03%	580.77	-11.00	1.03%	580.65	0.00	N/A	580.54						
6209+40.00	-34.00	0.66%	580.68	-22.00	0.66%	580.61	-11.00	0.66%	580.53	0.00	N/A	580.46						
6209+60.00	-34.00	0.29%	580.44	-22.00	0.29%	580.41	-11.00	0.29%	580.38	0.00	N/A	580.35						
6209+80.00	-34.00	-0.09%	580.19	-22.00	-0.09%	580.20	-11.00	-0.09%	580.21	0.00	N/A	580.22						
6210+00.00	-34.00	-0.46%	579.90	-22.00	-0.46%	579.96	-11.00	-0.46%	580.01	0.00	N/A	580.06						
6210+20.00	-34.00	-0.83%	579.60	-22.00	-0.83%	579.70	-11.00	-0.83%	579.79	0.00	N/A	579.88						
6210+40.00	-34.00	-1.21%	579.27	-22.00	-1.21%	579.44	-11.00	-1.21%	579.55	0.00	N/A	579.68						
6210+55.66	-34.00	-1.50%	579.02	-22.00	-1.50%	579.20	-11.00	-1.50%	579.36	0.00	N/A	579.53						
6210+60.00	-34.00	-1.58%	578.95	-22.00	-1.58%	579.13	-11.00	-1.58%	579.32	0.00	N/A	579.48						
6210+80.00	-34.00	-1.95%	578.67	-22.00	-1.95%	578.91	-11.00	-1.95%	579.12	0.00		579.28						
6210+82.66	-34.00	-2.00%	578.63	-22.00	-2.00%	578.88	-11.00	-2.00%	579.10	0.00		579.26						

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D162A77-SHT-PVT EL-02.dgn  
 USER NAME = andy.becker  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - ATB  
 DRAWN - ATB  
 CHECKED - OPS  
 DATE - 1/29/2019

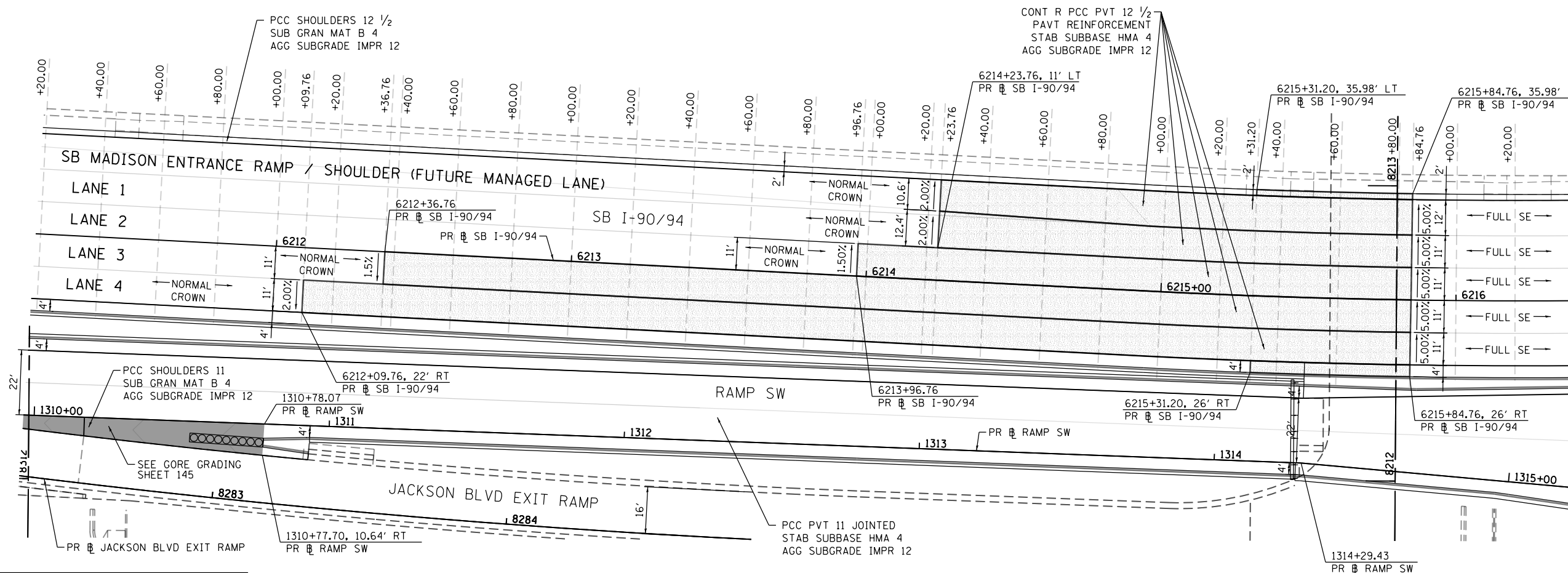
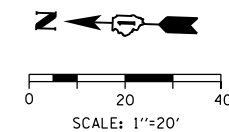
REVISED -  
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 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20'    SHEET 2 OF 10 SHEETS    STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	123
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**CURVE P-KDR-SB-2**  
**SUPERELEVATION TRANSITION FROM**  
**NORMAL CROWN TO SE**

**NOTES:**

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE

PAVEMENT CROSS SLOPE TRANSITIONS

SEE GORE GRADING SHEET

STATION	SHLDR.LT			SB MADISON ENTRANCE RAMP			LANE 1			LANE 2			PGL			LANE 3			LANE 4			SHLDR.RT		
	O/S (LT EOS)	%	EL	O/S (LT EOP)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOS)	%	EL
SB I-90/94																								
6212+00.00															578.08	11.00	-	577.92	22.00	-2.00%	577.70			
6212+09.76															577.98	11.00	-	577.82	22.00	-2.00%	577.60			
6212+20.00													0.00	N/A	577.88	11.00	-1.50%	577.72	22.00	-1.50%	577.52			
6212+36.76													0.00	N/A	577.71	11.00	-1.50%	577.55	22.00	-1.50%	577.39			
6212+40.00													0.00	N/A	577.68	11.00	-1.44%	577.52	22.00	-1.44%	577.36			
6212+60.00													0.00	N/A	577.48	11.00	-1.06%	577.36	22.00	-1.06%	577.25			
6212+80.00													0.00	N/A	577.28	11.00	-0.69%	577.20	22.00	-0.69%	577.13			
6213+00.00													0.00	N/A	577.10	11.00	-0.32%	577.06	22.00	-0.32%	577.03			
6213+20.00													0.00	N/A	576.94	11.00	0.06%	576.95	22.00	0.06%	576.96			
6213+40.00													0.00	N/A	576.81	11.00	0.43%	576.87	22.00	0.43%	576.91			
6213+60.00													0.00	N/A	576.71	11.00	0.80%	576.80	22.00	0.80%	576.88			
6213+80.00													-11.00	-1.50%	576.46	0.00	N/A	576.62	11.00	1.18%	576.75	22.00	1.18%	576.88
6213+96.76													-11.00	-1.50%	576.41	0.00	N/A	576.57	11.00	1.50%	576.74	22.00	1.50%	576.91
6214+00.00													-11.00	-1.55%	576.39	0.00	N/A	576.56	11.00	1.55%	576.73	22.00	1.55%	576.90
6214+20.00															576.53	11.00	1.92%	576.74	22.00	1.92%	576.95			
6214+23.76															576.31	0.00	N/A	576.53	11.00	2.00%	576.75	22.00	2.00%	576.97
6214+40.00															576.27	0.00	N/A	576.52	11.00	2.30%	576.77	22.00	2.30%	577.02
6214+60.00															576.25	0.00	N/A	576.54	11.00	2.67%	576.83	22.00	2.67%	577.12
6214+80.00															576.24	0.00	N/A	576.58	11.00	3.05%	576.92	22.00	3.05%	577.25
6215+00.00															576.26	0.00	N/A	576.64	11.00	3.42%	577.02	22.00	3.42%	577.40
6215+20.00	-36.00	-4.00%	575.37	-34.00	-3.79%	575.45	-22.00	-3.79%	575.90	-11.00	-3.79%	576.31	0.00	N/A	576.73	11.00	3.79%	577.15	22.00	3.79%	577.57	26.00	-4.00%	577.41
6215+31.20	-36.00	-4.00%	575.35	-34.00	-4.00%	575.43	-22.00	-4.00%	575.92	-11.00	-4.00%	576.36	0.00	N/A	576.80	11.00	4.00%	577.24	22.00	4.00%	577.68	26.00	-4.00%	577.52
6215+40.00	-36.00	-4.16%	575.35	-34.00	-4.16%	575.43	-22.00	-4.16%	575.93	-11.00	-4.16%	576.39	0.00	N/A	576.85	11.00	4.16%	577.31	22.00	4.16%	577.77	26.00	-3.84%	577.61
6215+60.00	-36.00	-4.54%	575.36	-34.00	-4.54%	575.45	-22.00	-4.54%	575.99	-11.00	-4.54%	576.49	0.00	N/A	576.99	11.00	4.54%	577.49	22.00	4.54%	577.99	26.00	-3.46%	577.85
6215+80.00	-36.00	-4.91%	575.38	-34.00	-4.91%	575.48	-22.00	-4.91%	576.07	-11.00	-4.91%	576.61	0.00	N/A	577.15	11.00	4.91%	577.69	22.00	4.91%	578.23	26.00	-3.09%	578.11
6215+84.76	-36.00	-5.00%	575.41	-34.00	-5.00%	575.51	-22.00	-5.00%	576.10	-11.00	-5.00%	576.65	0.00	N/A	577.20	11.00	5.00%	577.75	22.00	5.00%	578.29	26.00	-3.00%	578.17
6216+00.00	-36.00	-5.00%	575.54	-34.00	-5.00%	575.64	-22.00	-5.00%	576.24	-11.00	-5.00%	576.79	0.00	N/A	577.34	11.00	5.00%	577.89	22.00	5.00%	578.44	26.00	-3.00%	578.32

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D162A77-SHT-PVT-EL-03.dgn  
 USER NAME = andy.becker  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - ATB  
 DRAWN - ATB  
 CHECKED - OPS  
 DATE - 1/29/2019

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS**  
**SB I-90/94**

SCALE: 1"=20'  
 SHEET 3 OF 10 SHEETS  
 STA. 6200+00.00 TO STA. 6204+50.00

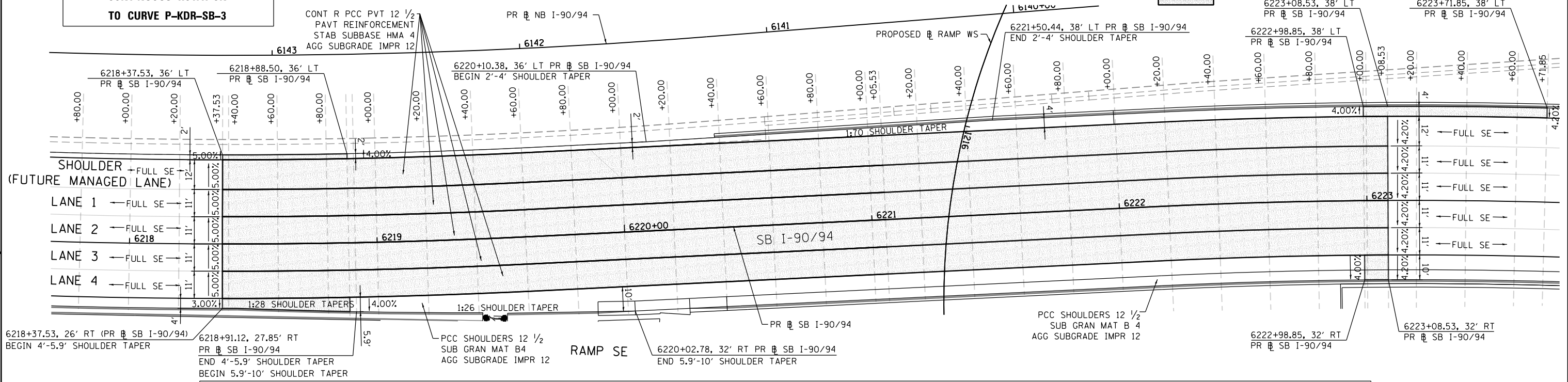
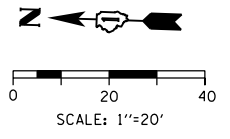
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	124
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**CURVE P-KDR-SB-2  
SUPERELEVATION TRANSITION  
CONTINUOUS ROTATION  
TO CURVE P-KDR-SB-3**

**NOTES:**

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE



PAVEMENT CROSS SLOPE AND ELEVATIONS SB I-90/94																								
STATION	SHLDR_LT			FUTURE MANAGED LANE			LANE 1			LANE 2			PGL			LANE 3			LANE 4			SHLDR_RT		
	O/S (LT EOS)	%	EL	O/S (LT EOP)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOS)	%	EL
6218+20.00	-36.00	-5.00%	577.70	-34.00	-5.00%	577.80	-22.00	-5.00%	578.40	-11.00	-5.00%	578.95	0.00	N/A	579.50	11.00	5.00%	580.05	22.00	5.00%	580.60	26.00	-3.00%	580.48
6218+37.53	-36.00	-5.00%	577.76	-34.00	-5.00%	577.86	-22.00	-5.00%	578.46	-11.00	-5.00%	579.01	0.00	N/A	579.56	11.00	5.00%	580.11	22.00	5.00%	580.66	26.00	-3.00%	580.54
6218+40.00	-36.00	-4.95%	577.79	-34.00	-4.95%	577.89	-22.00	-4.95%	578.48	-11.00	-4.95%	579.02	0.00	N/A	579.56	11.00	4.95%	580.10	22.00	4.95%	580.65	26.00	-3.05%	580.53
6218+60.00	-36.00	-4.56%	577.96	-34.00	-4.56%	578.05	-22.00	-4.56%	578.60	-11.00	-4.56%	579.10	0.00	N/A	579.60	11.00	4.56%	580.10	22.00	4.56%	580.60	26.64	-3.44%	580.44
6218+80.00	-36.00	-4.17%	578.12	-34.00	-4.17%	578.20	-22.00	-4.17%	578.70	-11.00	-4.17%	579.16	0.00	N/A	579.61	11.00	4.17%	580.07	22.00	4.17%	580.53	27.42	-3.80%	580.32
6218+88.50	-36.00	-4.00%	578.17	-34.00	-4.00%	578.25	-22.00	-4.00%	578.73	-11.00	-4.00%	579.17	0.00	N/A	579.61	11.00	4.00%	580.04	22.00	4.00%	580.48	27.85	-4.00%	580.25
6219+00.00			-34.00	-3.78%	578.31	-22.00	-3.78%	578.76	-11.00	-3.78%	579.18	0.00	N/A	579.60	11.00	3.78%	580.02	22.00	3.78%	580.44				
6219+20.00			-34.00	-3.39%	578.41	-22.00	-3.39%	578.82	-11.00	-3.39%	579.19	0.00	N/A	579.56	11.00	3.39%	579.93	22.00	3.39%	580.30				
6219+40.00			-34.00	-3.00%	578.47	-22.00	-3.00%	578.83	-11.00	-3.00%	579.16	0.00	N/A	579.49	11.00	3.00%	579.82	22.00	3.00%	580.15				
6219+60.00			-34.00	-2.60%	578.51	-22.00	-2.60%	578.82	-11.00	-2.60%	579.11	0.00	N/A	579.40	11.00	2.60%	579.69	22.00	2.60%	579.98				
6219+80.00			-34.00	-2.22%	578.53	-22.00	-2.22%	578.80	-11.00	-2.22%	579.04	0.00	N/A	579.28	11.00	2.22%	579.52	22.00	2.22%	579.76				
6220+00.00			-34.00	-1.83%	578.51	-22.00	-1.83%	578.73	-11.00	-1.83%	578.93	0.00	N/A	579.13	11.00	1.83%	579.33	22.00	1.83%	579.53				
6220+20.00			-34.00	-1.44%	578.49	-22.00	-1.44%	578.66	-11.00	-1.44%	578.82	0.00	N/A	578.98	11.00	1.44%	579.14	22.00	1.44%	579.30				
6220+40.00			-34.00	-1.00%	578.49	-22.00	-1.00%	578.61	-11.00	-1.00%	578.72	0.00	N/A	578.83	11.00	1.00%	578.94	22.00	1.00%	579.05				
6220+60.00			-34.00	-0.60%	578.47	-22.00	-0.60%	578.54	-11.00	-0.60%	578.61	0.00	N/A	578.68	11.00	0.60%	578.74	22.00	0.60%	578.81				
6220+80.00			-34.00	-0.26%	578.44	-22.00	-0.26%	578.47	-11.00	-0.26%	578.50	0.00	N/A	578.52	11.00	0.26%	578.55	22.00	0.26%	578.58				
6221+00.00			-34.00	0.13%	578.42	-22.00	0.13%	578.40	-11.00	0.13%	578.39	0.00	N/A	578.37	11.00	-0.13%	578.36	22.00	-0.13%	578.35				
6221+05.53			-34.00	0.23%	578.41	-22.00	0.23%	578.38	-11.00	0.23%	578.35	0.00	N/A	578.33	11.00	-0.23%	578.30	22.00	-0.23%	578.27				
6221+20.00			-34.00	0.52%	578.40	-22.00	0.52%	578.34	-11.00	0.52%	578.28	0.00	N/A	578.22	11.00	-0.52%	578.16	22.00	-0.52%	578.10				
6221+40.00			-34.00	0.91%	578.38	-22.00	0.91%	578.27	-11.00	0.91%	578.17	0.00	N/A	578.07	11.00	-0.91%	577.97	22.00	-0.91%	577.87				
6221+60.00			-34.00	1.30%	578.36	-22.00	1.30%	578.20	-11.00	1.30%	578.06	0.00	N/A	577.91	11.00	-1.30%	577.77	22.00	-1.30%	577.63				
6221+80.00			-34.00	1.69%	578.34	-22.00	1.69%	578.14	-11.00	1.69%	577.95	0.00	N/A	577.76	11.00	-1.69%	577.57	22.00	-1.69%	577.38				
6222+00.00			-34.00	2.08%	578.32	-22.00	2.08%	578.07	-11.00	2.08%	577.84	0.00	N/A	577.61	11.00	-2.08%	577.38	22.00	-2.08%	577.15				
6222+20.00			-34.00	2.47%	578.30	-22.00	2.47%	578.00	-11.00	2.47%	577.73	0.00	N/A	577.46	11.00	-2.47%	577.18	22.00	-2.47%	576.91				
6222+40.00			-34.00	2.86%	578.27	-22.00	2.86%	577.93	-11.00	2.86%	577.62	0.00	N/A	577.30	11.00	-2.86%	576.99	22.00	-2.86%	576.68				
6222+60.00			-34.00	3.25%	578.26	-22.00	3.25%	577.87	-11.00	3.25%	577.51	0.00	N/A	577.15	11.00	-3.25%	576.79	22.00	-3.25%	576.43				
6222+80.00			-34.00	3.64%	578.24	-22.00	3.64%	577.80	-11.00	3.64%	577.40	0.00	N/A	577.00	11.00	-3.64%	576.60	22.00	-3.64%	576.20				
6222+98.85	-38.00	-4.00%	578.05	-34.00	4.01%	578.21	-22.00	4.01%	577.73	-11.00	4.01%	577.29	0.00	N/A	576.85	11.00	-4.01%	576.41	22.00	-4.01%	575.97	32.00	-4.00%	575.57
6223+00.00	-38.00	-3.87%	578.06	-34.00	4.03%	578.21	-22.00	4.03%	577.73	-11.00	4.03%	577.29	0.00	N/A	576.84	11.00	-4.03%	576.40	22.00	-4.03%	575.96	32.00	-4.03%	575.56
6223+08.53	-38.00	-2.91%	578.09	-34.00	4.20%	578.20	-22.00	4.20%	577.70	-11.00	4.20%	577.24	0.00	N/A	576.78	11.00	-4.20%	576.32	22.00	-4.20%	575.86	32.00	-4.20%	575.45
6223+20.00	-38.00	-1.62%	578.05	-34.00	4.20%	578.12	-22.00	4.20%	577.62	-11.00	4.20%	577.15	0.00	N/A	576.69	11.00	-4.20%	576.23	22.00	-4.20%	575.77	32.00	-4.20%	575.35
6223+40.00	-38.00	0.62%	577.99	-34.00	4.20%	577.97									576.54									
6223+60.00	-38.00	2.86%	577.93	-34.00	4.20%	577.81									576.39									
6223+71.85	-38.00	4.20%	577.89	-34.00	4.20%	577.72									576.30									

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PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - ATB  
DRAWN - ATB  
CHECKED - OPS  
DATE - 1/29/2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

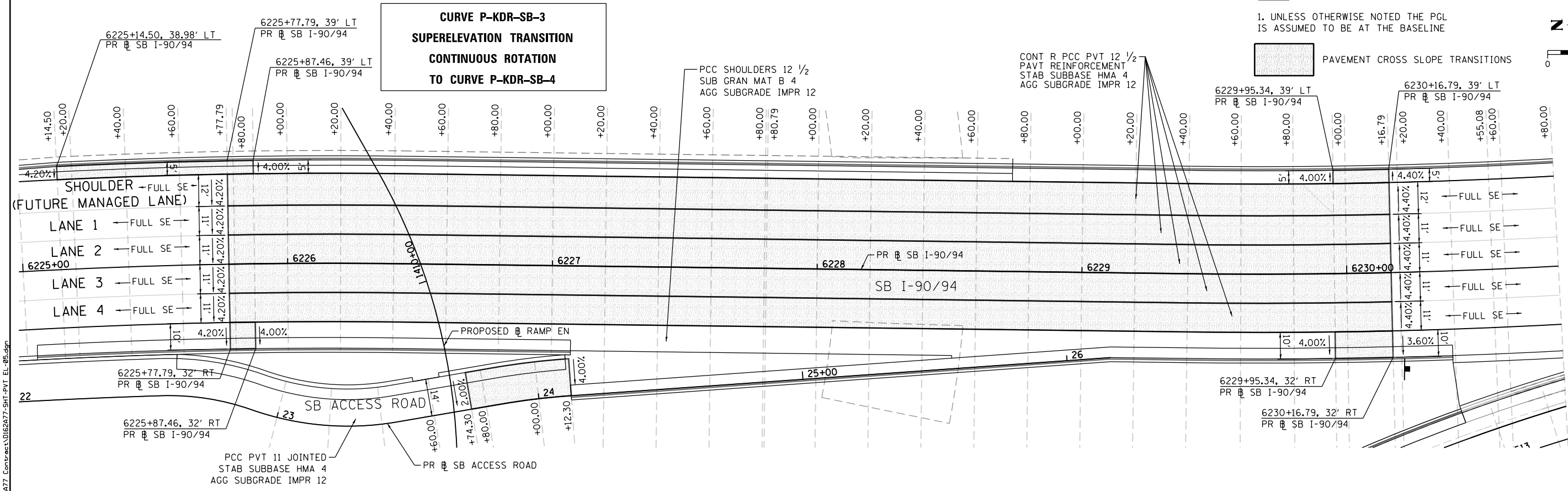
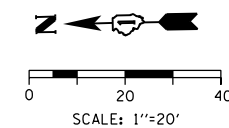
**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20'    SHEET 4 OF 10 SHEETS    STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	125
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE



PAVEMENT CROSS SLOPE AND ELEVATIONS ACCESS ROAD						
STATION	LANE 1			PGL		
	O/S (LT EOP)	%	EL	O/S	%	EL
23+74.30	-14.00	2.00%	574.15	0.00	N/A	573.87
23+80.00	-14.00	2.30%	574.16	0.00	N/A	573.84
24+00.00	-14.00	3.36%	574.37	0.00	N/A	573.90
24+12.30	-14.00	4.00%	574.61	0.00	N/A	574.05

PAVEMENT CROSS SLOPE AND ELEVATIONS SB I-90/94																									
STATION	SHLDR-LT			FUTURE MANAGED LANE			LANE 1			LANE 2			PGL			LANE 3			LANE 4			SHLDR-RT			
	O/S (LT EOS)	%	EL	O/S (LT EOP)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOS)	%	EL	
SB I-90/94																									
6225+14.50	-38.98	4.20%	576.92	-34.00	4.20%	576.71									575.28										
6225+20.00	-39.00	3.58%	576.86	-34.00	4.20%	576.68									575.26										
6225+40.00	-39.00	1.33%	576.68	-34.00	4.20%	576.61									575.18										
6225+60.00	-39.00	0.91%	576.51	-34.00	4.20%	576.56	-22.00	4.20%	576.06	-11.00	4.20%	575.59	0.00	N/A	575.13	11.00	-4.20%	574.67	22.00	-4.20%	574.21	32.00	-4.20%	573.79	
6225+77.79	-39.00	-2.91%	576.39	-34.00	4.20%	576.54	-22.00	4.20%	576.03	-11.00	4.20%	575.57	0.00	N/A	575.11	11.00	-4.20%	574.65	22.00	-4.20%	574.18	32.00	-4.20%	573.76	
6225+80.00	-39.00	-3.16%	576.36	-34.00	4.16%	576.52	-22.00	4.16%	576.02	-11.00	4.16%	575.56	0.00	N/A	575.11	11.00	-4.16%	574.65	22.00	-4.16%	574.19	32.00	-4.16%	573.78	
6225+87.46	-39.00	-4.00%	576.26	-34.00	4.01%	576.46	-22.00	4.01%	575.98	-11.00	4.01%	575.54	0.00	N/A	575.10	11.00	-4.01%	574.66	22.00	-4.01%	574.22	32.00	-4.00%	573.82	
6226+00.00	-39.00	-4.00%	576.18	-34.00	3.76%	576.38	-22.00	3.76%	575.93	-11.00	3.76%	575.52	0.00	N/A	575.10	11.00	-3.76%	574.69	22.00	-3.76%	574.28				
6226+20.00			-34.00	3.37%	576.26	-22.00	3.37%	575.86	-11.00	3.37%	575.49	0.00	N/A	575.12	11.00	-3.37%	574.75	22.00	-3.37%	574.38					
6226+40.00			-34.00	2.98%	576.19	-22.00	2.98%	575.83	-11.00	2.98%	575.50	0.00	N/A	575.17	11.00	-2.98%	574.84	22.00	-2.98%	574.51					
6226+60.00			-34.00	2.59%	576.11	-22.00	2.59%	575.80	-11.00	2.59%	575.52	0.00	N/A	575.24	11.00	-2.59%	574.96	22.00	-2.59%	574.68					
6226+80.00			-34.00	2.20%	576.08	-22.00	2.20%	575.82	-11.00	2.20%	575.58	0.00	N/A	575.33	11.00	-2.20%	575.09	22.00	-2.20%	574.85					
6227+00.00			-34.00	1.81%	576.07	-22.00	1.81%	575.85	-11.00	1.81%	575.65	0.00	N/A	575.45	11.00	-1.81%	575.25	22.00	-1.81%	575.05					
6227+20.00			-34.00	1.41%	576.08	-22.00	1.41%	575.91	-11.00	1.41%	575.75	0.00	N/A	575.59	11.00	-1.41%	575.44	22.00	-1.41%	575.28					
6227+40.00			-34.00	1.02%	576.10	-22.00	1.02%	575.98	-11.00	1.02%	575.87	0.00	N/A	575.76	11.00	-1.02%	575.65	22.00	-1.02%	575.54					
6227+60.00			-34.00	0.63%	576.17	-22.00	0.63%	576.09	-11.00	0.63%	576.02	0.00	N/A	575.95	11.00	-0.63%	575.88	22.00	-0.63%	575.81					
6227+80.00			-34.00	0.24%	576.25	-22.00	0.24%	576.22	-11.00	0.24%	576.19	0.00	N/A	576.16	11.00	-0.24%	576.14	22.00	-0.24%	576.11					
6227+80.79			-34.00	0.22%	576.25	-22.00	0.22%	576.22	-11.00	0.22%	576.20	0.00	N/A	576.17	11.00	-0.22%	576.15	22.00	-0.22%	576.13					
6228+00.00			-34.00	-0.15%	576.34	-22.00	-0.15%	576.36	-11.00	-0.15%	576.38	0.00	N/A	576.40	11.00	0.15%	576.42	22.00	0.15%	576.44					
6228+20.00			-34.00	-0.54%	576.48	-22.00	-0.54%	576.54	-11.00	-0.54%	576.60	0.00	N/A	576.66	11.00	0.54%	576.72	22.00	0.54%	576.78					
6228+40.00			-34.00	-0.94%	576.64	-22.00	-0.94%	576.75	-11.00	-0.94%	576.85	0.00	N/A	576.95	11.00	0.94%	577.05	22.00	0.94%	577.15					
6228+60.00			-34.00	-1.33%	576.80	-22.00	-1.33%	576.96	-11.00	-1.33%	577.11	0.00	N/A	577.26	11.00	1.33%	577.41	22.00	1.33%	577.56					
6228+80.00			-34.00	-1.72%	577.00	-22.00	-1.72%	577.21	-11.00	-1.72%	577.40	0.00	N/A	577.59	11.00	1.72%	577.78	22.00	1.72%	577.97					
6229+00.00			-34.00	-2.11%	577.24	-22.00	-2.11%	577.49	-11.00	-2.11%	577.72	0.00	N/A	577.95	11.00	2.11%	578.18	22.00	2.11%	578.41					
6229+20.00			-34.00	-2.50%	577.47	-22.00	-2.50%	577.77	-11.00	-2.50%	578.04	0.00	N/A	578.32	11.00	2.50%	578.59	22.00	2.50%	578.87					
6229+40.00			-34.00	-2.90%	577.69	-22.00	-2.90%	578.04	-11.00	-2.90%	578.36	0.00	N/A	578.68	11.00	2.90%	579.00	22.00	2.90%	579.32					
6229+60.00			-34.00	-3.29%	577.93	-22.00	-3.29%	578.32	-11.00	-3.29%	578.68	0.00	N/A	579.05	11.00	3.29%	579.41	22.00	3.29%	579.77					
6229+80.00	-39.00	-4.00%	577.96	-34.00	-3.68%	578.16	-22.00	-3.68%	578.60	-11.00	-3.68%	579.00	0.00	N/A	579.41	11.00	3.68%	579.81	22.00	3.68%	580.21	32.00	-4.00%	579.83	
6229+95.34	-39.00	-4.00%	578.13	-34.00	-3.98%	578.33	-22.00	-3.98%	578.81	-11.00	-3.98%	579.25	0.00	N/A	579.69	11.00	3.98%	580.13	22.00	3.98%	580.57	32.00	-4.00%	580.17	
6230+00.00	-39.00	-4.07%	578.19	-34.00	-4.07%	578.39	-22.00	-4.07%	578.88	-11.00	-4.07%	579.33	0.00	N/A	579.77	11.00	4.07%	580.22	22.00	4.07%	580.67	32.00	-3.91%	580.28	
6230+16.79	-39.00	-4.40%	578.36	-34.00	-4.40%	578.58	-22.00	-4.40%	579.11	-11.00	-4.40%	579.60	0.00	N/A	580.08	11.00	4.40%	580.56	22.00	4.40%	581.05	32.00	-3.60%	580.69	
6230+20.00	-39.00	-4.40%	578.42	-34.00	-4.40%	578.64	-22.00	-4.40%	579.17	-11.00	-4.40%	579.65	0.00	N/A	580.14	11.00	4.40%	580.62	22.00	4.40%	581.11	32.00	-3.60%	580.75	

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PLOT DATE = 1/28/2020	DATE -	1/29/2019	REVISED -	

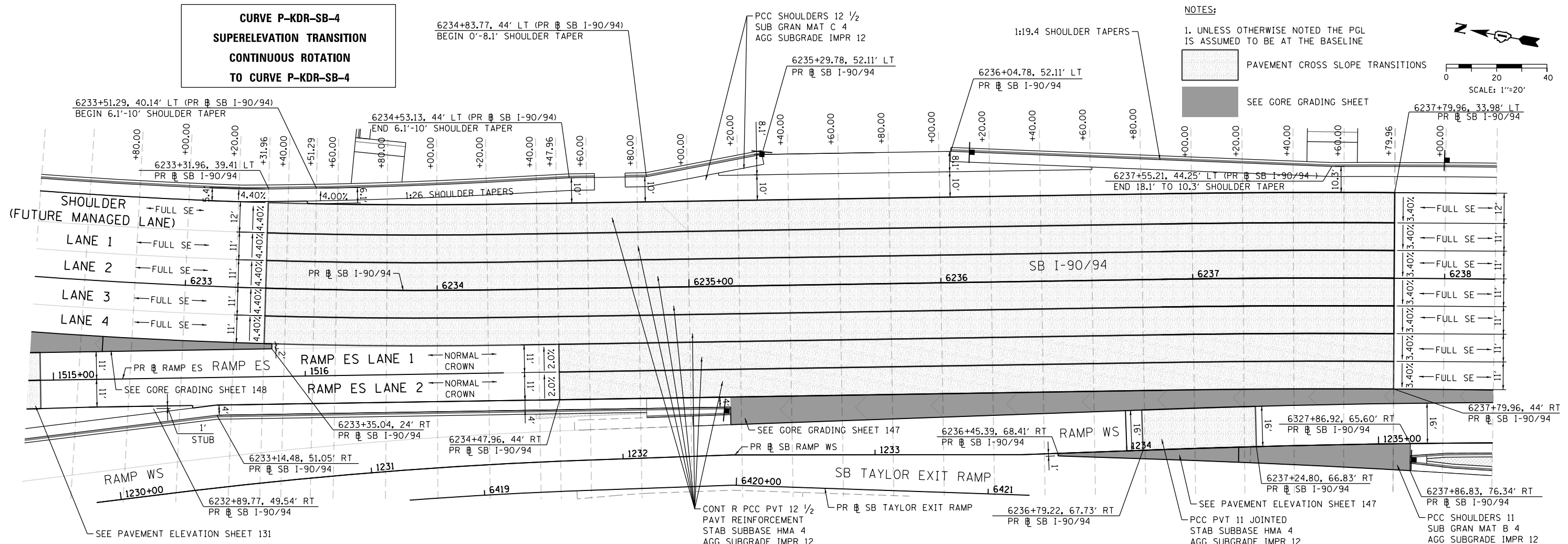
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20' SHEET 5 OF 10 SHEETS STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	126
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

**CURVE P-KDR-SB-4  
SUPERELEVATION TRANSITION  
CONTINUOUS ROTATION  
TO CURVE P-KDR-SB-4**



**NOTES:**  
1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE  
PAVEMENT CROSS SLOPE TRANSITIONS  
SEE GORE GRADING SHEET  
SCALE: 1"=20'

PAVEMENT CROSS SLOPE AND ELEVATIONS SB I-90/94																												
STATION	SHLDR_LT			FUTURE MANAGED LANE			LANE 1			LANE 2			PGL			LANE 3			LANE 4			RAMP ES LANE 1			RAMP ES LANE 2			
SB I-90/94	O/S (LT EOS)	%	EL	O/S (LT EOP)	%	EL	O/S (LT EOL)	%	EL	O/S (LT EOL)	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOL)	%	EL	O/S (RT EOP)	%	EL	
6233+20.00	-39.00	-4.40%	581.80	-34.00	-4.40%	582.02	-22.00	-4.40%	582.55	-11.00	-4.40%	583.03	0.00	N/A	583.52	11.00	4.40%	584.00	22.00	4.40%	584.49							
6233+31.96	-39.41	-4.40%	581.80	-34.00	-4.40%	582.04	-22.00	-4.40%	582.57	-11.00	-4.40%	583.05	0.00	N/A	583.54	11.00	4.40%	584.02	22.00	4.40%	584.50							
6233+40.00	-39.71	-4.23%	581.86	-34.00	-4.23%	582.10	-22.00	-4.23%	582.61	-11.00	-4.23%	583.08	0.00	N/A	583.54	11.00	4.23%	584.01	22.00	4.23%	584.47							
6233+51.29	-40.14	-4.00%	581.94	-34.00	-4.00%	582.19	-22.00	-4.00%	582.67	-11.00	-4.00%	583.11	0.00	N/A	583.55	11.00	4.00%	583.99	22.00	4.00%	584.43							
6233+60.00	-40.47	-4.00%	581.98	-34.00	-3.82%	582.24	-22.00	-3.82%	582.70	-11.00	-3.82%	583.12	0.00	N/A	583.54	11.00	3.82%	583.96	22.00	3.82%	584.38							
6234+00.00				-34.00	-2.99%	582.44	-22.00	-2.99%	582.80	-11.00	-2.99%	583.13	0.00	N/A	583.46	11.00	2.99%	583.79	22.00	2.99%	584.12							
6234+20.00				-34.00	-2.58%	582.51	-22.00	-2.58%	582.82	-11.00	-2.58%	583.10	0.00	N/A	583.38	11.00	2.58%	583.67	22.00	2.58%	583.95							
6234+40.00				-34.00	-2.16%	582.54	-22.00	-2.16%	582.80	-11.00	-2.16%	583.04	0.00	N/A	583.28	11.00	2.16%	583.52	22.00	2.17%	583.76	33.00	2.00%	583.98	44.00	2.00%	584.20	
6234+47.96				-34.00	-2.00%	582.55	-22.00	-2.00%	582.79	-11.00	-2.00%	583.01	0.00	N/A	583.23	11.00	2.00%	583.45	22.00	2.00%	583.67	33.00	2.00%	583.89	44.00	2.00%	584.11	
6234+60.00				-34.00	-1.80%	582.54	-22.00	-1.80%	582.75	-11.00	-1.80%	582.95	0.00	N/A	583.15	11.00	1.80%	583.35	22.00	1.80%	583.55	33.00	1.80%	583.75	44.00	1.80%	583.94	
6234+80.00				-34.00	-1.48%	582.49	-22.00	-1.48%	582.67	-11.00	-1.48%	582.83	0.00	N/A	583.00	11.00	1.48%	583.16	22.00	1.48%	583.32	33.00	1.48%	583.48	44.00	1.48%	583.65	
6235+00.00				-34.00	-1.15%	582.42	-22.00	-1.15%	582.56	-11.00	-1.15%	582.69	0.00	N/A	582.82	11.00	1.15%	582.94	22.00	1.15%	583.07	33.00	1.15%	583.20	44.00	1.15%	583.32	
6235+20.00				-34.00	-0.83%	582.33	-22.00	-0.83%	582.43	-11.00	-0.83%	582.52	0.00	N/A	582.61	11.00	0.83%	582.70	22.00	0.83%	582.79	33.00	0.83%	582.88	44.00	0.83%	582.97	
6235+40.00				-34.00	-0.50%	582.21	-22.00	-0.50%	582.27	-11.00	-0.50%	582.32	0.00	N/A	582.38	11.00	0.50%	582.43	22.00	0.50%	582.49	33.00	0.50%	582.54	44.00	0.50%	582.60	
6235+60.00				-34.00	-0.18%	582.06	-22.00	-0.18%	582.08	-11.00	-0.18%	582.10	0.00	N/A	582.12	11.00	0.18%	582.14	22.00	0.18%	582.16	33.00	0.18%	582.18	44.00	0.18%	582.20	
6235+80.00				-34.00	0.15%	581.89	-22.00	0.15%	581.87	-11.00	0.15%	581.85	0.00	N/A	581.84	11.00	-0.15%	581.82	22.00	-0.15%	581.80	33.00	-0.15%	581.79	44.00	-0.15%	581.77	
6236+00.00				-34.00	0.47%	581.69	-22.00	0.47%	581.64	-11.00	0.47%	581.59	0.00	N/A	581.53	11.00	-0.47%	581.48	22.00	-0.47%	581.43	33.00	-0.47%	581.38	44.00	-0.47%	581.33	
6236+20.00				-34.00	0.80%	581.50	-22.00	0.80%	581.41	-11.00	0.80%	581.32	0.00	N/A	581.23	11.00	-0.80%	581.14	22.00	-0.80%	581.06	33.00	-0.80%	580.97	44.00	-0.80%	580.88	
6236+40.00				-34.00	1.12%	581.31	-22.00	1.12%	581.18	-11.00	1.12%	581.05	0.00	N/A	580.93	11.00	-1.12%	580.81	22.00	-1.12%	580.68	33.00	-1.12%	580.56	44.00	-1.12%	580.43	
6236+60.00				-34.00	1.45%	581.12	-22.00	1.45%	580.95	-11.00	1.45%	580.79	0.00	N/A	580.63	11.00	-1.45%	580.47	22.00	-1.45%	580.31	33.00	-1.45%	580.15	44.00	-1.45%	579.99	
6236+80.00				-34.00	1.77%	580.93	-22.00	1.77%	580.71	-11.00	1.77%	580.52	0.00	N/A	580.32	11.00	-1.77%	580.13	22.00	-1.77%	579.93	33.00	-1.77%	579.74	44.00	-1.77%	579.54	
6237+00.00				-34.00	2.10%	580.74	-22.00	2.10%	580.48	-11.00	2.10%	580.25	0.00	N/A	580.02	11.00	-2.10%	579.79	22.00	-2.10%	579.56	33.00	-2.10%	579.33	44.00	-2.10%	579.10	
6237+20.00				-34.00	2.42%	580.54	-22.00	2.42%	580.25	-11.00	2.42%	579.99	0.00	N/A	579.72	11.00	-2.42%	579.45	22.00	-2.42%	579.19	33.00	-2.42%	578.92	44.00	-2.42%	578.65	
6237+40.00				-34.00	2.75%	580.35	-22.00	2.75%	580.02	-11.00	2.75%	579.72	0.00	N/A	579.42	11.00	-2.75%	579.12	22.00	-2.75%	578.81	33.00	-2.75%	578.51	44.00	-2.75%	578.21	
6237+60.00				-34.00	3.08%	580.19	-22.00	3.08%	579.82	-11.00	3.08%	579.48	0.00	N/A	579.14	11.00	-3.08%	578.80	22.00	-3.08%	578.47	33.00	-3.08%	578.13	44.00	-3.08%	577.79	
6237+79.96				-34.00	3.40%	580.05	-22.00	3.40%	579.64	-11.00	3.40%	579.26	0.00	N/A	578.89	11.00	-3.40%	578.52	22.00	-3.40%	578.14	33.00	-3.40%	577.77	44.00	-3.40%	577.39	
6238+00.00				-34.00	3.40%	579.82	-22.00	3.40%	579.41	-11.00	3.40%	579.04	0.00	N/A	578.66	11.00	-3.40%	578.29	22.00	-3.40%	577.91	33.00	-3.40%	577.54	44.00	-3.40%	577.17	

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USER NAME = andy.becker  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - ATB  
DRAWN - ATB  
CHECKED - OPS  
DATE - 1/29/2019

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REVISED -  
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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

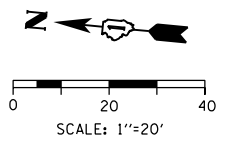
**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20' SHEET 6 OF 10 SHEETS STA. 6200+00.00 TO STA. 6204+50.00

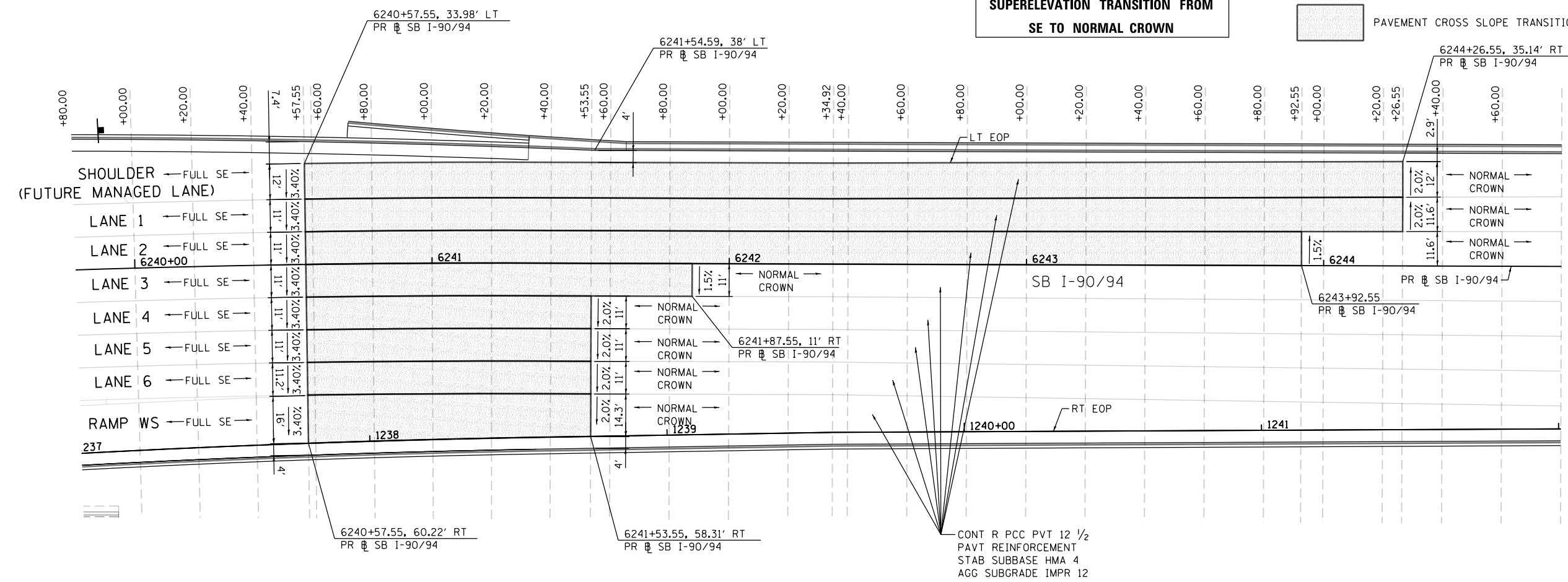
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	127
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE



**CURVE P-KDR-SB-5  
SUPERELEVATION TRANSITION FROM  
SE TO NORMAL CROWN**



PAVEMENT CROSS SLOPE AND ELEVATIONS SB I-90/94

STATION	FUTURE MANAGED LANE			LANE 1			LANE 2			PGL			LANE 3			LANE 4			LANE 5			LANE 6			RAMP WS			
	O/S (LT EOP)	%	EL	O/S (LT EOP)	%	EL	O/S (LT EOP)	%	EL	O/S	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOP)	%	EL	O/S (RT EOP)	%	EL	
SB I-90/94																												
6240+57.55	-34.00	3.40%	578.45	-22.00	3.40%	578.04	-11.00	3.40%	577.66	0.00	N/A	577.29	11.00	-3.40%	576.92	22.00	-3.40%	576.55	33.00	-3.40%	576.18	44.00	-3.40%	575.81	60.22	-3.40%	575.26	
6240+60.00	-34.00	3.36%	578.43	-22.00	3.36%	578.03	-11.00	3.36%	577.66	0.00	N/A	577.28	11.00	-3.36%	576.91	22.00	-3.36%	576.54	33.00	-3.36%	576.17	44.00	-3.36%	575.80	60.17	-3.36%	575.26	
6240+80.00	-34.00	3.07%	578.25	-22.00	3.07%	577.88	-11.00	3.07%	577.55	0.00	N/A	577.21	11.00	-3.07%	576.87	22.00	-3.07%	576.53	33.00	-3.07%	576.19	44.00	-3.07%	575.85	59.77	-3.07%	575.37	
6241+00.00	-34.00	2.78%	578.08	-22.00	2.78%	577.74	-11.00	2.78%	577.44	0.00	N/A	577.13	11.00	-2.78%	576.82	22.00	-2.78%	576.52	33.00	-2.78%	576.21	44.00	-2.78%	575.90	59.38	-2.78%	575.48	
6241+20.00	-34.00	2.49%	577.90	-22.00	2.49%	577.60	-11.00	2.49%	577.32	0.00	N/A	577.05	11.00	-2.49%	576.78	22.00	-2.49%	576.51	33.00	-2.49%	576.23	44.00	-2.49%	575.96	58.98	-2.49%	575.59	
6241+40.00	-34.00	2.20%	577.71	-22.00	2.20%	577.45	-11.00	-2.20%	577.21	0.00	N/A	576.97	11.00	-2.20%	576.73	22.00	-2.20%	576.49	33.00	-2.20%	576.25	44.00	-2.20%	576.01	58.58	-2.20%	575.69	
6241+53.55	-34.00	2.00%	577.60	-22.00	2.00%	577.36	-11.00	-2.00%	577.14	0.00	N/A	576.92	11.00	-2.00%	576.70	22.00	-2.00%	576.48	33.00	-2.00%	576.26	44.00	-2.00%	576.04	58.31	-2.00%	575.74	
6241+60.00	-34.00	1.90%	577.55	-22.00	1.90%	577.32	-11.00	1.90%	577.11	0.00	N/A	576.90	11.00	-1.90%	576.69													
6241+80.00	-34.00	1.61%	577.37	-22.00	1.61%	577.17	-11.00	1.61%	577.00	0.00	N/A	576.82	11.00	-1.61%	576.64													
6242+00.00	-34.00	1.32%	577.19	-22.00	1.32%	577.03	-11.00	1.32%	576.89	0.00	N/A	576.74	11.00	-1.32%	576.60													
6242+20.00	-34.00	1.02%	577.02	-22.00	1.02%	576.89	-11.00	1.02%	576.78	0.00	N/A	576.67																
6242+34.92	-34.00	0.81%	576.89	-22.00	0.81%	576.79	-11.00	0.81%	576.70	0.00	N/A	576.61																
6242+40.00	-34.01	0.73%	576.84	-22.03	0.73%	576.75	-11.02	0.73%	576.67	0.00	N/A	576.59																
6242+60.00	-34.13	0.44%	576.66	-22.15	0.44%	576.60	-11.08	0.44%	576.56	0.00	N/A	576.51																
6242+80.00	-34.25	0.14%	576.49	-22.27	0.14%	576.47	-11.14	0.14%	576.46	0.00	N/A	576.44																
6243+00.00	-34.37	-0.15%	576.31	-22.39	-0.15%	576.33	-11.20	-0.15%	576.34	0.00	N/A	576.36																
6243+20.00	-34.50	-0.44%	576.13	-22.51	-0.44%	576.18	-11.26	-0.44%	576.23	0.00	N/A	576.28																
6243+40.00	-34.62	-0.73%	575.95	-22.63	-0.73%	576.03	-11.32	-0.73%	576.12	0.00	N/A	576.20																
6243+60.00	-34.74	-1.02%	575.78	-22.75	-1.02%	575.90	-11.38	-1.02%	576.01	0.00	N/A	576.13																
6243+80.00	-34.86	-1.32%	575.59	-22.87	-1.32%	575.75	-11.44	-1.32%	575.90	0.00	N/A	576.05																
6243+92.55	-34.93	-1.50%	575.48	-22.95	-1.50%	575.66	-11.47	-1.50%	575.83	0.00	N/A	576.00																
6244+00.00	-34.98	-1.61%	575.42	-22.99	-1.61%	575.62	-11.50	-1.50%	575.80	0.00	N/A	575.97																
6244+20.00	-35.10	-1.90%	575.27	-23.15	-1.90%	575.50	-11.56	-	575.72	0.00	N/A	575.90																
6244+26.55	-35.14	-2.00%	575.23	-23.12	-2.00%	575.47	-11.58	-	575.70	0.00	N/A	575.87																

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 AECOM  
 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-1700 FAX: (312) 373-6800



D162A77-SHT-PVT EL-07.dgn  
 USER NAME = andy.becker  
 PLOT SCALE = 40.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - ATB  
 DRAWN - ATB  
 CHECKED - OPS  
 DATE - 1/29/2019  
 REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

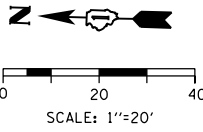
**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20' SHEET 7 OF 10 SHEETS STA. 6204+00.00 TO STA. 6204+50.00

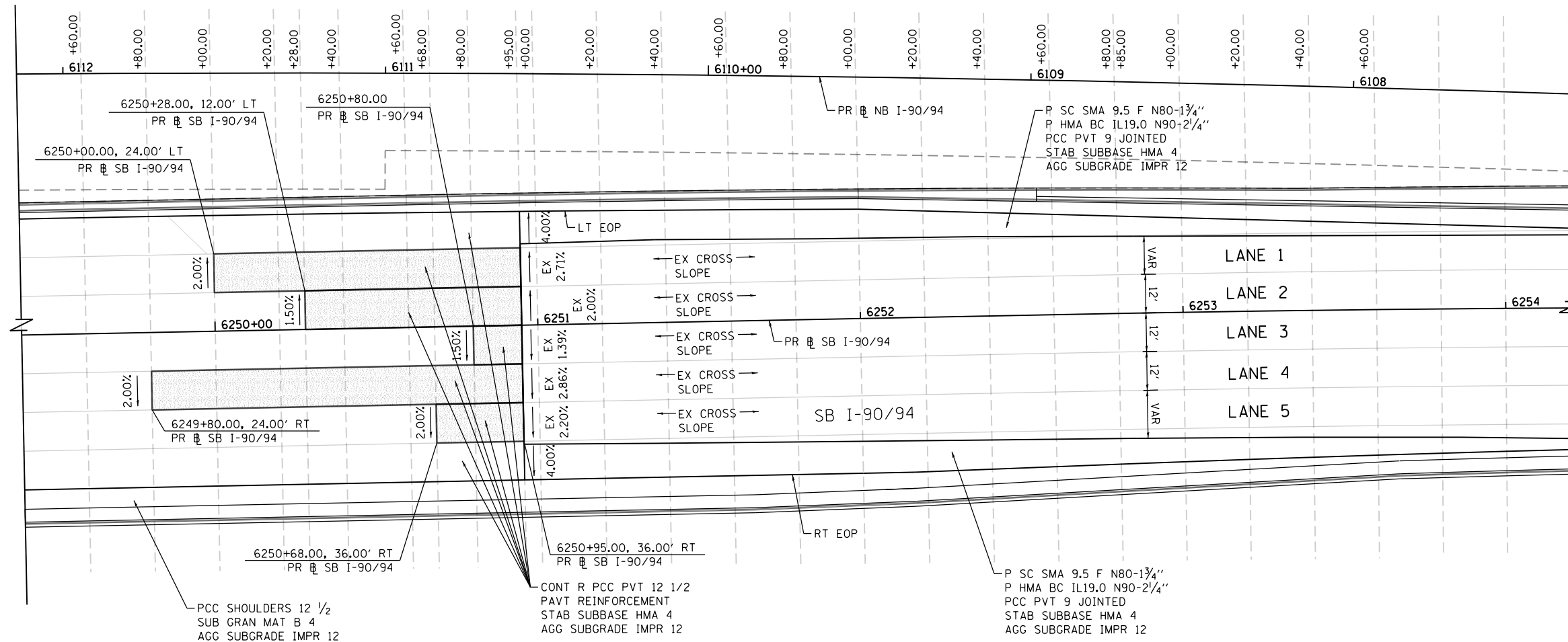
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	128
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE



PAVEMENT CROSS SLOPE TRANSITIONS



PAVEMENT CROSS SLOPE AND ELEVATIONS - SB I-90/94

STATION	LANE 1			LANE 2			PGL			LANE 3			LANE 4			LANE 5		
	O/S (LT EOP)	PROP %	PROP ELEV	O/S (LT EOL)	PROP %	PROP ELEV	O/S	PROP %	PROP ELEV	O/S (RT EOL)	PROP %	PROP ELEV	O/S (RT EOL)	PROP %	PROP ELEV	O/S (RT EOP)	PROP %	PROP ELEV
SB I-90/94																		
6249+60.00	-24.00	-2.00%	576.98	-12.00	-1.50%	577.22	0.00	N/A	577.40	12.00	-1.50%	577.22	24.00	-2.00%	576.98	36.00	-2.00%	576.74
6249+80.00	-24.00	-2.00%	577.05	-12.00	-1.50%	577.29	0.00	N/A	577.47	12.00	-1.50%	577.29	24.00	-2.00%	577.05	36.00	-2.00%	576.81
6250+00.00	-24.00	-2.00%	577.10	-12.00	-1.50%	577.34	0.00	N/A	577.52	12.00	-1.50%	577.34	24.00	-2.15%	577.08	36.00	-2.00%	576.84
6250+20.00	-24.00	-2.15%	577.11	-12.00	-1.50%	577.37	0.00	N/A	577.55	12.00	-1.50%	577.37	24.00	-2.30%	577.09	36.00	-2.00%	576.85
6250+28.00	-24.00	-2.21%	577.11	-12.00	-1.50%	577.37	0.00	N/A	577.55	12.00	-1.50%	577.37	24.00	-2.36%	577.09	36.00	-2.00%	576.85
6250+40.00	-24.00	-2.30%	577.08	-12.00	-1.59%	577.36	0.00	N/A	577.55	12.00	-1.50%	577.37	24.00	-2.45%	577.08	36.00	-2.00%	576.84
6250+60.00	-24.00	-2.45%	577.02	-12.00	-1.74%	577.31	0.00	N/A	577.52	12.00	-1.50%	577.34	24.00	-2.60%	577.03	36.00	-2.00%	576.79
6250+68.00	-24.00	-2.51%	576.99	-12.00	-1.80%	577.29	0.00	N/A	577.51	12.00	-1.50%	572.33	24.00	-2.66%	577.01	36.00	-2.00%	576.77
6250+80.00	-24.00	-2.60%	576.94	-12.00	-1.89%	577.25	0.00	N/A	577.47	12.00	-1.50%	577.29	24.00	-2.75%	576.96	36.00	-2.09%	576.71
6250+95.00	-24.00	-2.71%	576.85	-12.00	-2.00%	577.18	0.00	N/A	577.42	12.00	-1.39%	577.25	24.00	-2.86%	576.91	36.00	-2.20%	576.65

**PAVEMENT ELEVATIONS  
TRANSITION TO EXISTING**

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PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - ATB  
DRAWN - ATB  
CHECKED - OPS  
DATE - 1/29/2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

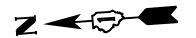
**PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
SB I-90/94**

SCALE: 1"=20' SHEET 8 OF 10 SHEETS STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	129
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

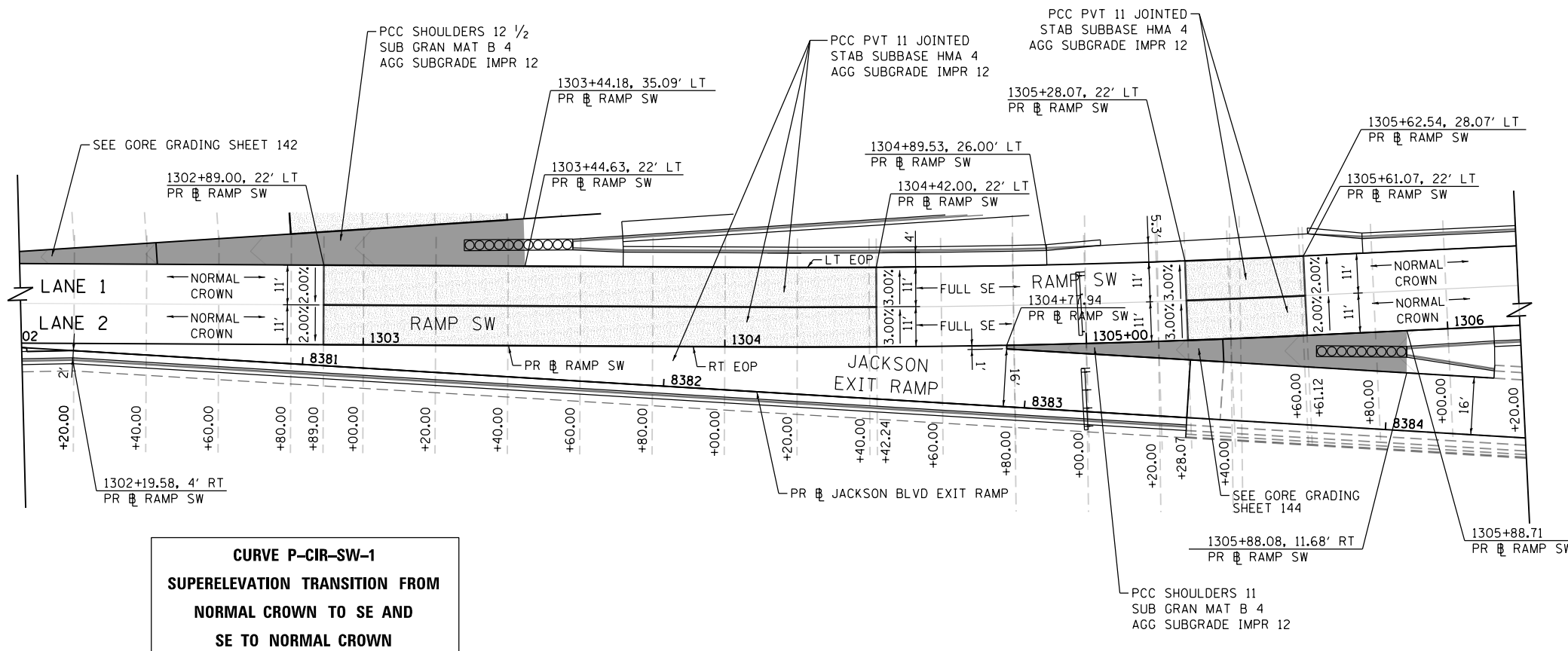
NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE

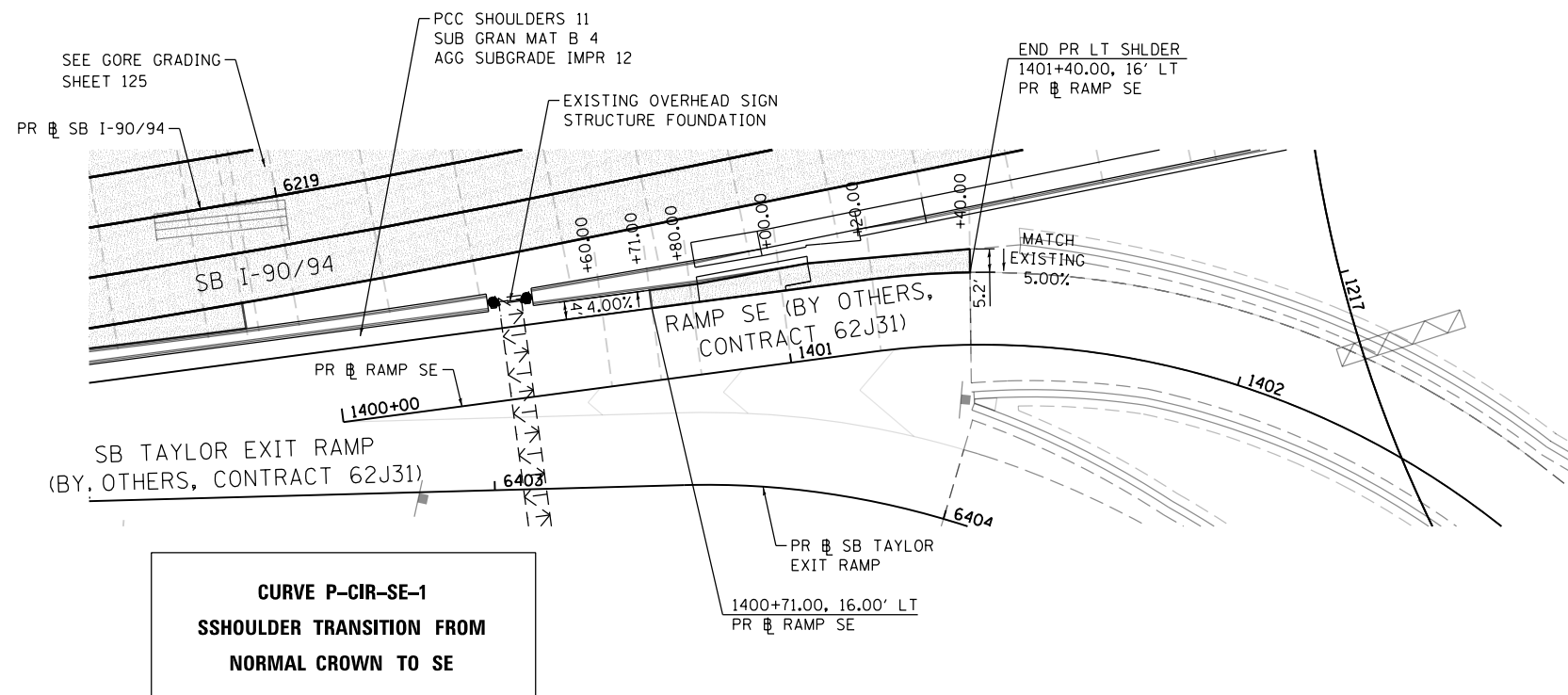


0 20 40  
SCALE: 1"=20'

- PAVEMENT CROSS SLOPE TRANSITIONS
- SEE GORE GRADING SHEET



PAVEMENT CROSS SLOPE AND ELEVATIONS RAMP SW									
STATION	LANE 1			LANE 2			PGL		
	O/S (LT EOP)	%	EL	O/S	%	EL	O/S (RT EOP)	%	EL
1302+89.00	-22.00	2.00%	577.68	-11.00	2.00%	577.46	0.00	N/A	577.24
1303+00.00	-22.00	1.64%	577.63	-11.00	1.64%	577.45	0.00	N/A	577.27
1303+20.00	-22.00	1.00%	577.59	-11.00	1.00%	577.48	0.00	N/A	577.37
1303+40.00	-22.00	0.33%	577.56	-11.00	0.33%	577.52	0.00	N/A	577.48
1303+60.00	-22.00	-0.32%	577.52	-11.00	-0.32%	577.56	0.00	N/A	577.59
1303+80.00	-22.00	-0.97%	577.49	-11.00	-0.97%	577.60	0.00	N/A	577.70
1304+00.00	-22.00	-1.63%	577.45	-11.00	-1.63%	577.63	0.00	N/A	577.81
1304+20.00	-22.00	-2.28%	577.42	-11.00	-2.28%	577.67	0.00	N/A	577.92
1304+40.00	-22.00	-2.93%	577.39	-11.00	-2.93%	577.71	0.00	N/A	578.03
1304+42.00	-22.00	-3.00%	577.38	-11.00	-3.00%	577.71	0.00	N/A	578.04
1304+60.00	-22.00	-3.00%	577.48	-11.00	-3.00%	577.81	0.00	N/A	578.14
1304+80.00	-22.00	-3.00%	577.59	-11.00	-3.00%	577.92	0.00	N/A	578.25
1305+00.00	-22.00	-3.00%	577.70	-11.00	-3.00%	578.03	0.00	N/A	578.36
1305+20.00	-22.00	-3.00%	577.81	-11.00	-3.00%	578.14	0.00	N/A	578.47
1305+28.07	-22.00	-3.00%	577.86	-11.00	-3.00%	578.19	0.00	N/A	578.52
1305+40.00	-22.00	-2.64%	578.00	-11.00	-2.64%	578.29	0.00	N/A	578.58
1305+60.00	-22.00	-2.03%	578.23	-11.00	-2.03%	578.46	0.00	N/A	578.68
1305+61.07	-22.00	-2.00%	578.25	-11.00	-2.00%	578.47	0.00	N/A	578.69



SHOULDER CROSS SLOPE AND ELEVATIONS RAMP SE SHOULDER						
STATION	LEFT SHOULDER			LANE 1		
	O/S (LT EOS)	%	EL	O/S (LT EOP)	%	EL
1400+71.00	-20.00	-4.00%	579.29	-16.00	N/A	579.45
1400+80.00	-20.00	-2.83%	579.51	-16.00	N/A	579.62
1401+00.00	-20.96	-0.22%	580.02	-16.00	N/A	580.03
1401+20.00	-20.69	2.39%	580.68	-16.00	N/A	580.56
1401+40.00	-21.16	5.00%	581.51	-16.00	N/A	581.25

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USER NAME = andy.becker  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 1/28/2020

DESIGNED - ATB  
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REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

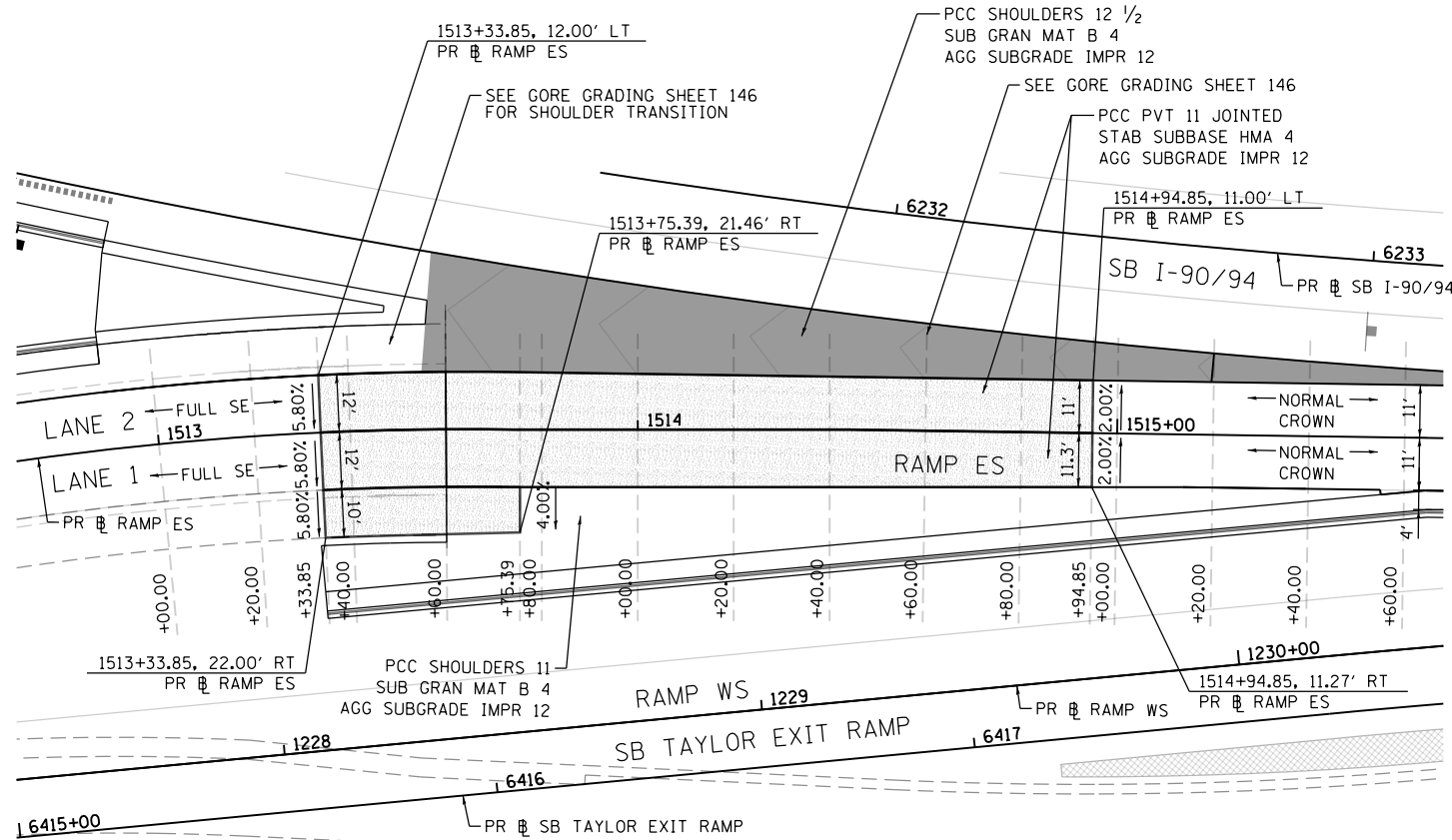
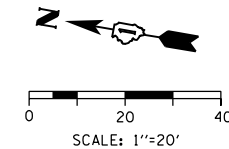
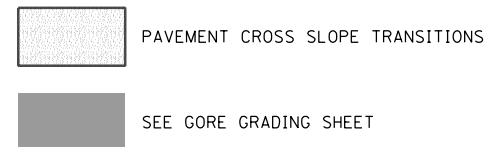
PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
RAMP SW AND RAMP SE

SCALE: 1"=20' SHEET 9 OF 10 SHEETS STA. 6200+00.00 TO STA. 6204+50.00

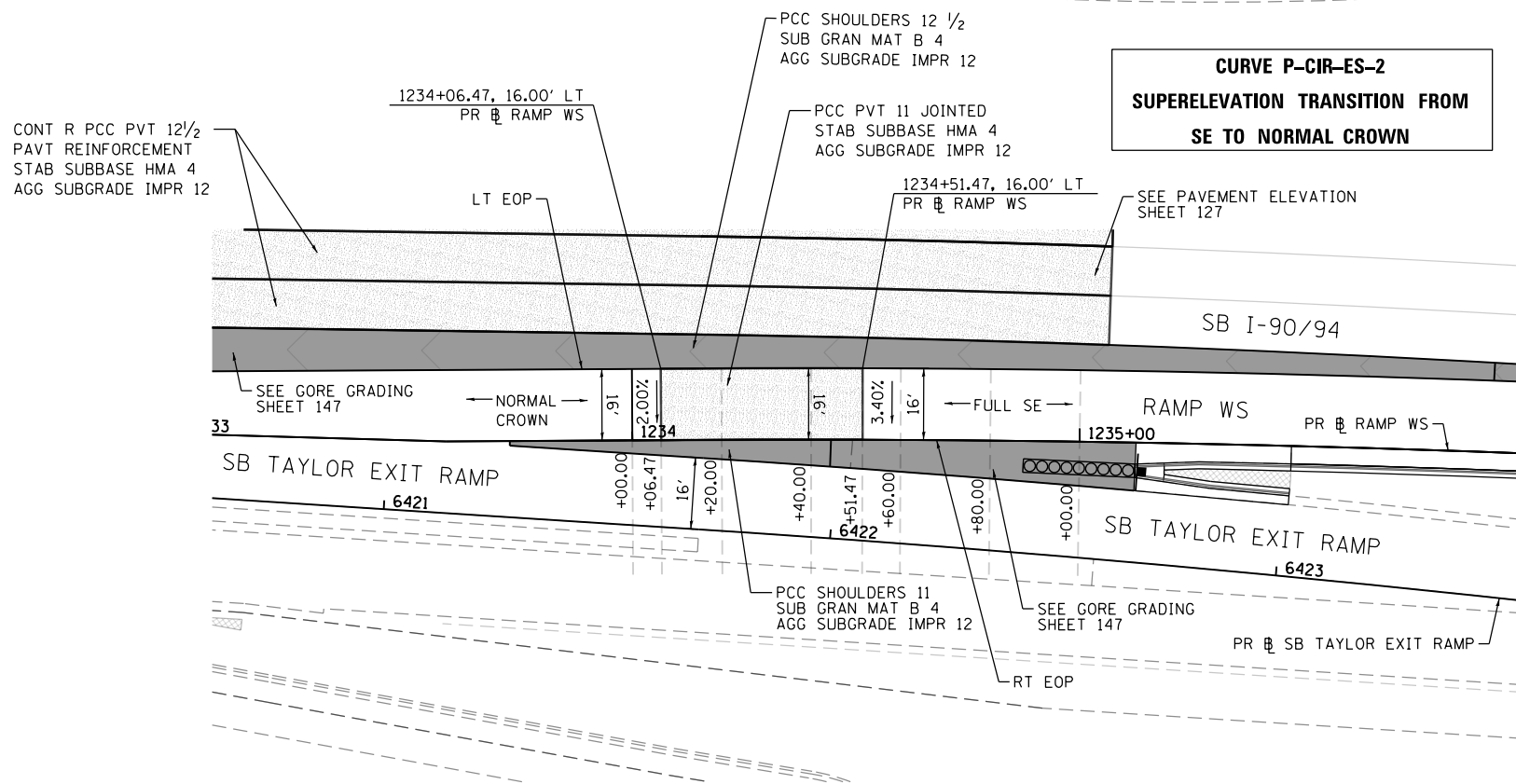
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	130
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

NOTES:

1. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE



PAVEMENT CROSS SLOPE AND ELEVATIONS RAMP ES												
STATION	SHLDR_RT			LANE 1			PGL			LANE 2		
	O/S (RT EOS)	%	EL	O/S (RT EOP)	%	EL	O/S	%	EL	O/S (LT EOP)	%	EL
1513+33.85	22.00	-5.80%	580.30	12.00	-5.80%	580.88	0.00	N/A	581.57	-12.00	5.80%	582.27
1513+40.00	22.00	-5.53%	580.45	12.00	-5.50%	581.01	0.00	N/A	581.67	-12.00	5.50%	582.33
1513+60.00	22.00	-4.67%	580.95	12.00	-4.53%	581.42	0.00	N/A	581.97	-12.00	4.53%	582.51
1513+75.39	21.56	-4.00%	581.36	12.00	-3.79%	581.75	0.00	N/A	582.20	-11.98	3.79%	582.65
1513+80.00				12.00	-3.56%	581.84	0.00	N/A	582.27	-11.91	3.56%	582.69
1514+00.00				12.00	-2.60%	582.26	0.00	N/A	582.57	-11.63	2.60%	582.87
1514+20.00				12.00	-2.00%	582.63	0.00	N/A	582.87	-11.34	2.00%	583.10
1514+40.00				12.00	-2.00%	582.93	0.00	N/A	583.17	-11.06	2.00%	583.40
1514+60.00				11.77	-2.00%	583.24	0.00	N/A	583.48	-11.00	2.00%	583.70
1514+73.85				11.57	-2.00%	583.45	0.00	N/A	583.69	-11.00	2.00%	583.91
1514+80.00				11.48	-1.71%	583.58	0.00	N/A	583.78	-11.00	1.71%	583.97
1514+94.85				11.27	-1.02%	583.89	0.00	N/A	584.00	-11.00	1.02%	584.11
1515+00.00				11.20	-0.78%	583.99	0.00	N/A	584.08	-11.00	0.78%	584.17
1515+20.00				11.00	0.15%	584.39	0.00	N/A	584.37	-11.00	-0.15%	584.35
1515+40.00				11.00	1.08%	584.71	0.00	N/A	584.59	-11.00	-1.08%	584.47
1515+59.85				11.00	2.00%	584.94	0.00	N/A	584.72	-11.00	-2.00%	584.50



PAVEMENT CROSS SLOPE AND ELEVATIONS RAMP WS						
STATION	LANE 1			PGL		
	O/S (LT EOP)	%	EL	O/S (RT EOP)	%	EL
1234+06.47	-16.00	2.00%	579.16	0.00	N/A	578.84
1234+20.00	-16.00	2.43%	578.92	0.00	N/A	578.53
1234+40.00	-16.00	3.04%	578.55	0.00	N/A	578.06
1234+51.47	-16.00	3.40%	578.34	0.00	N/A	577.79

**CURVE P-CIR-ES-2  
SUPERELEVATION TRANSITION FROM  
SE TO NORMAL CROWN**

**CURVE P-CIR-WS-4  
SUPERELEVATION TRANSITION FROM  
NORMAL CROWN TO SE**

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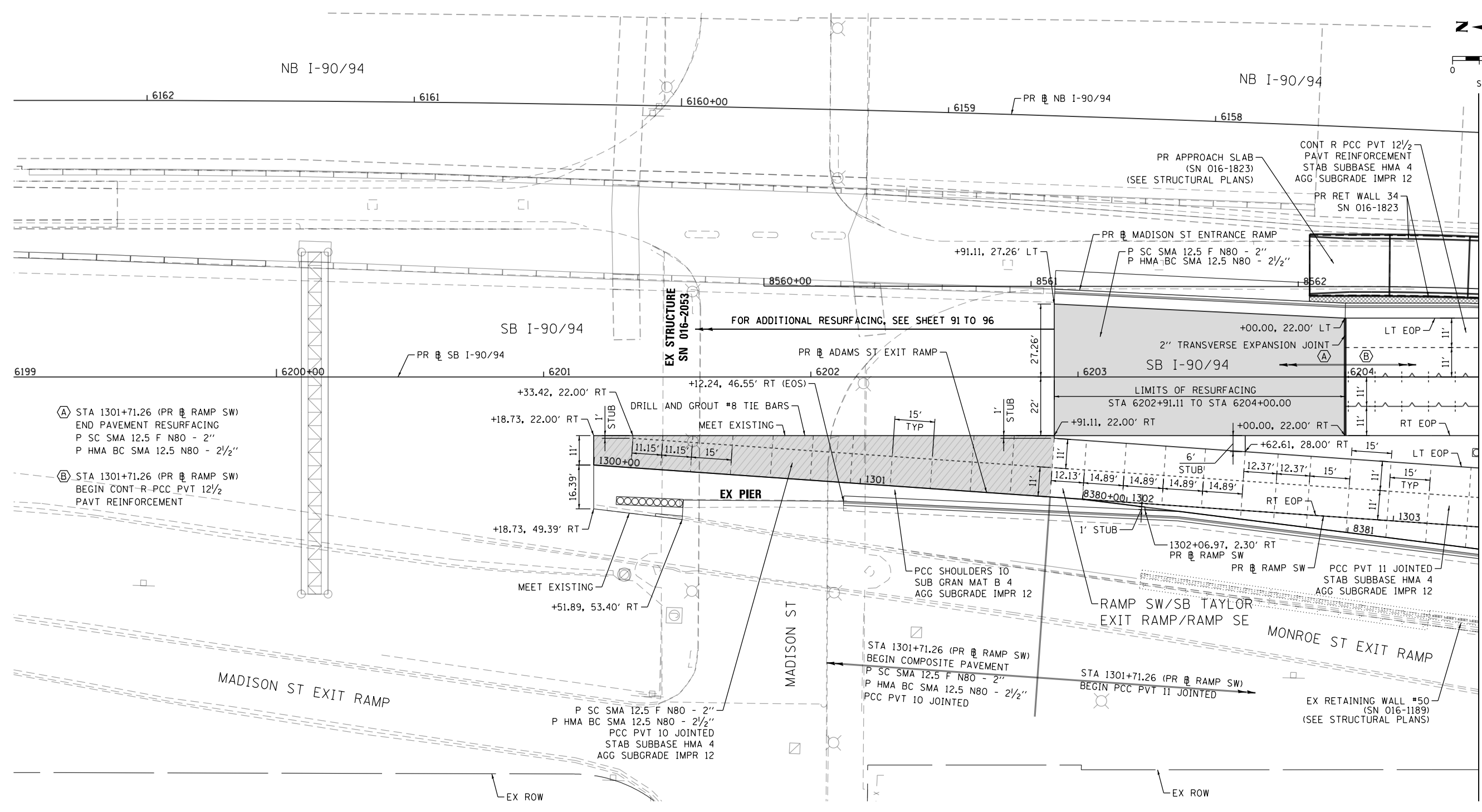
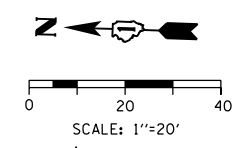
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT ELEVATION AND SUPERELEVATION DETAILS  
RAMP WS

SCALE: 1"=20' SHEET 10 OF 10 SHEETS STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	131
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



- (A) STA 1301+71.26 (PR # RAMP SW)  
END PAVEMENT RESURFACING  
P SC SMA 12.5 F N80 - 2"  
P HMA BC SMA 12.5 N80 - 2 1/2"
- (B) STA 1301+71.26 (PR # RAMP SW)  
BEGIN CONT R-PCC PVT 12 1/2  
PAVT REINFORCEMENT

MATCH LINE STA 6204+50.00 (PR # SB I-90/94) SEE SHEET NO. 133

**LEGEND**

- +--- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- ▒ PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR # SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



D162477-SHT-JOINT-01.dgn	DESIGNED - OPS	REVISED -
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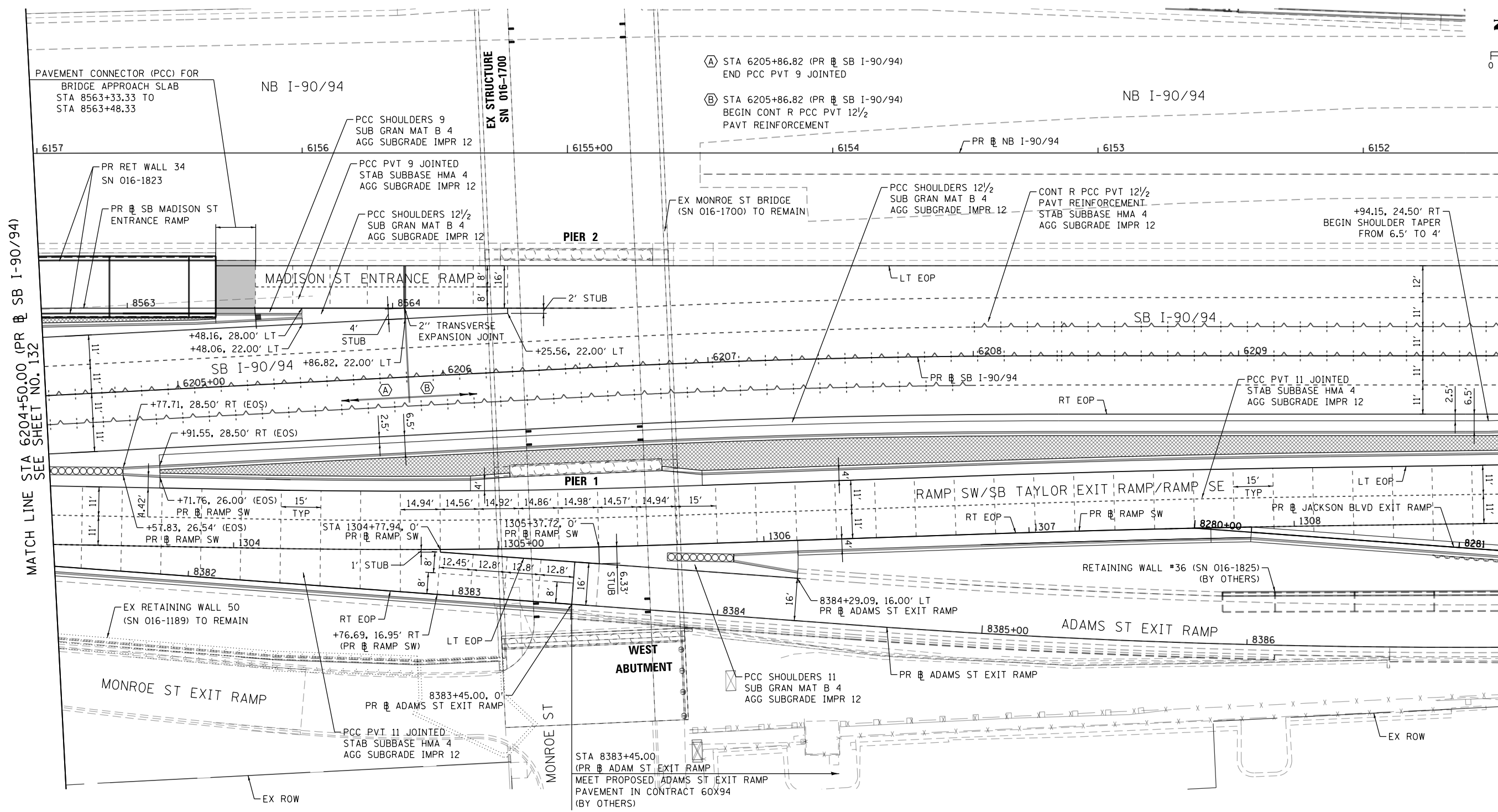
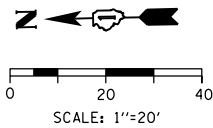
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN  
SB I-90/94**

SCALE: 1"=20'    SHEET 1 OF 10 SHEETS    STA. 6200+00.00 TO STA. 6204+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	132
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				





MATCH LINE STA 6204+50.00 (PR SB I-90/94) SEE SHEET NO. 132

MATCH LINE STA 6210+00.00 (PR SB I-90/94) SEE SHEET NO. 134

**LEGEND**

- +--- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- ▒ PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



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 PLOT DATE = 1/31/2020

DESIGNED - OPS  
 DRAWN - ZND  
 CHECKED - MJE  
 DATE - 1/29/2019

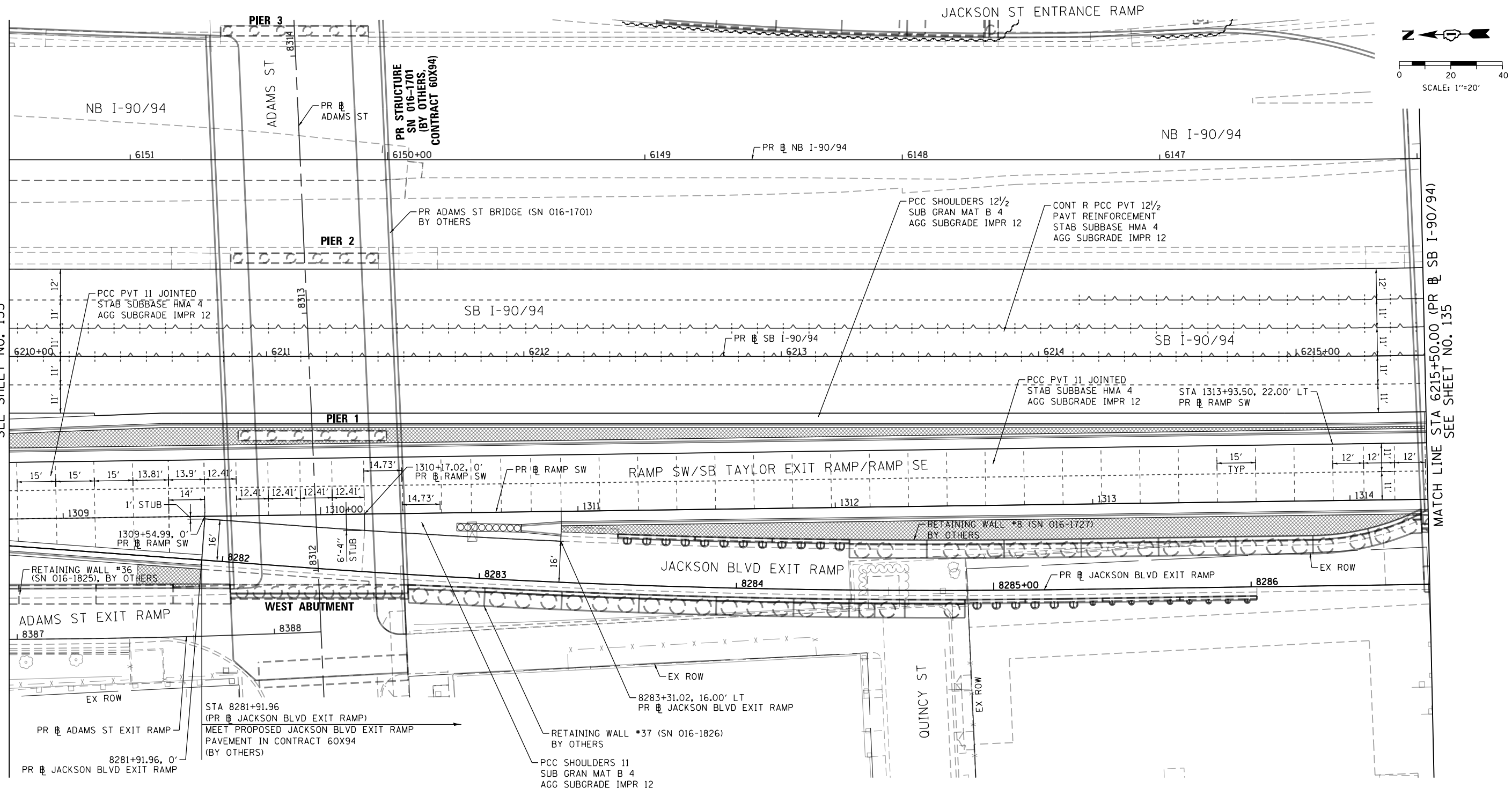
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN  
 SB I-90/94**

SCALE: 1"=20' SHEET 2 OF 10 SHEETS STA. 6204+50.00 TO STA. 6210+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	133
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6210+00.00 (PR SB I-90/94) SEE SHEET NO. 133

MATCH LINE STA 6215+50.00 (PR SB I-90/94) SEE SHEET NO. 135

**LEGEND**

- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- SAWED JOINT (RAMP)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- ▒ PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



D162A77-SHT-JOINT-03.dgn  
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 PLOT DATE = 1/31/2020

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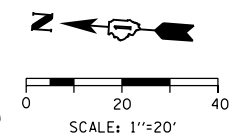
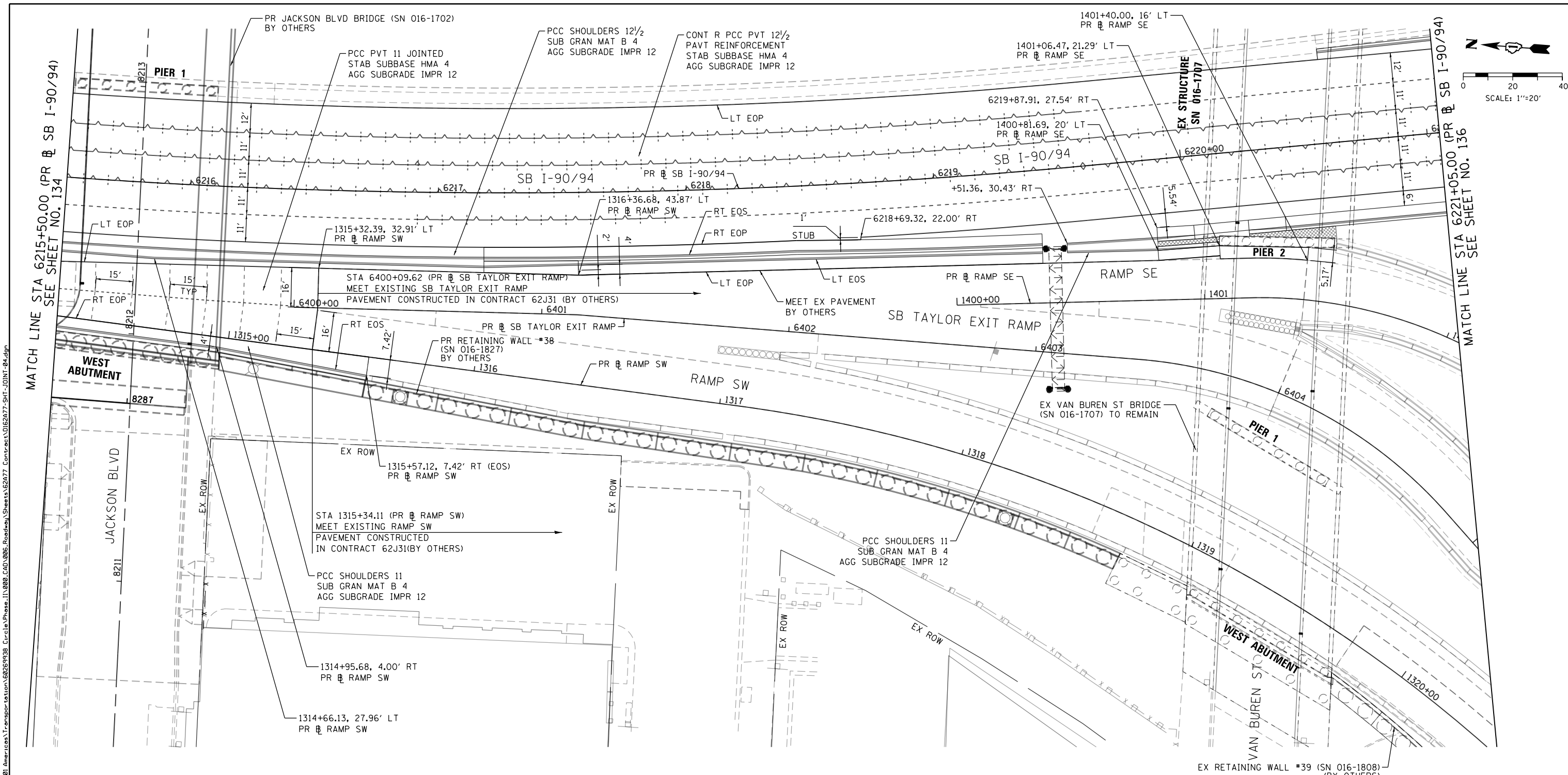
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

JOINTING PLAN  
 SB I-90/94

SCALE: 1"=20' SHEET 3 OF 10 SHEETS STA. 6210+00.00 TO STA. 6215+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	134
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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- LEGEND**
- CONSTRUCTION JOINT
    - o LONGITUDINAL CONSTRUCTION JOINT
    - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
    - 2. NO. 6 X 2" LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
    - o TRANSVERSE CONSTRUCTION JOINT
    - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
  - SAWED JOINT (MAINLINE)
    - o LONGITUDINAL SAWED JOINT
    - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
    - o TRANSVERSE CONSTRUCTION JOINT
    - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
  - SAWED JOINT (RAMPS)
    - o LONGITUDINAL SAWED JOINT
    - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
    - o TRANSVERSE CONSTRUCTION JOINT
    - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
  - ===== EXPANSION JOINT
    - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
  - PAVEMENT RESURFACING
  - ▨ COMPOSITE PAVEMENT

- NOTES**
1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR SB I-90/94.
  2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
  3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
  4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
  5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
  6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
  7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
  8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
  9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
  10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
  11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.

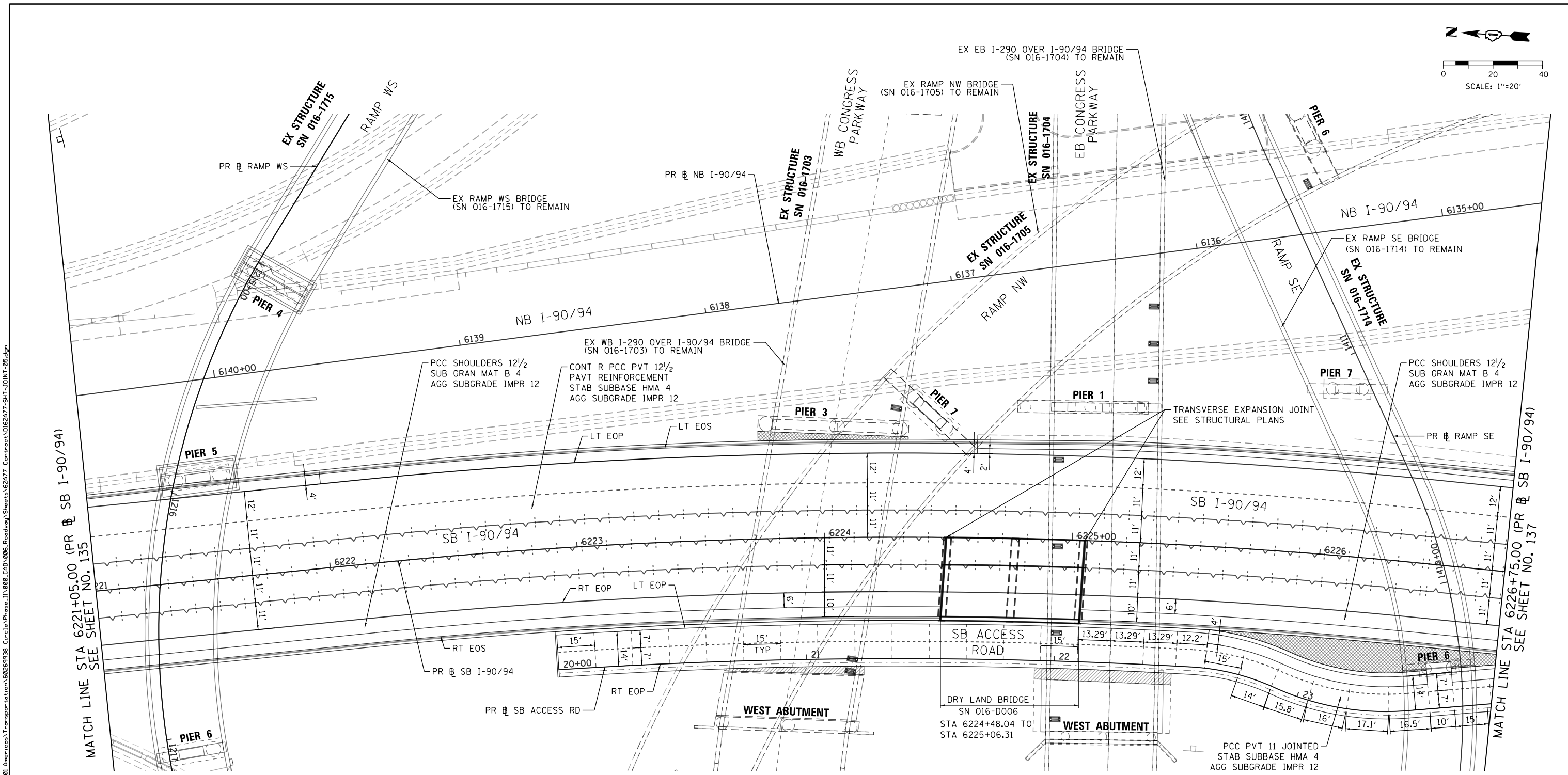
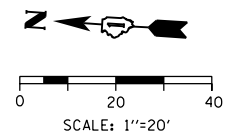


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PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>JOINING PLAN SB I-90/94</b>	
SCALE: 1"=20'	SHEET 4 OF 10 SHEETS
STA. 6215+50.00	TO STA. 6221+05.00

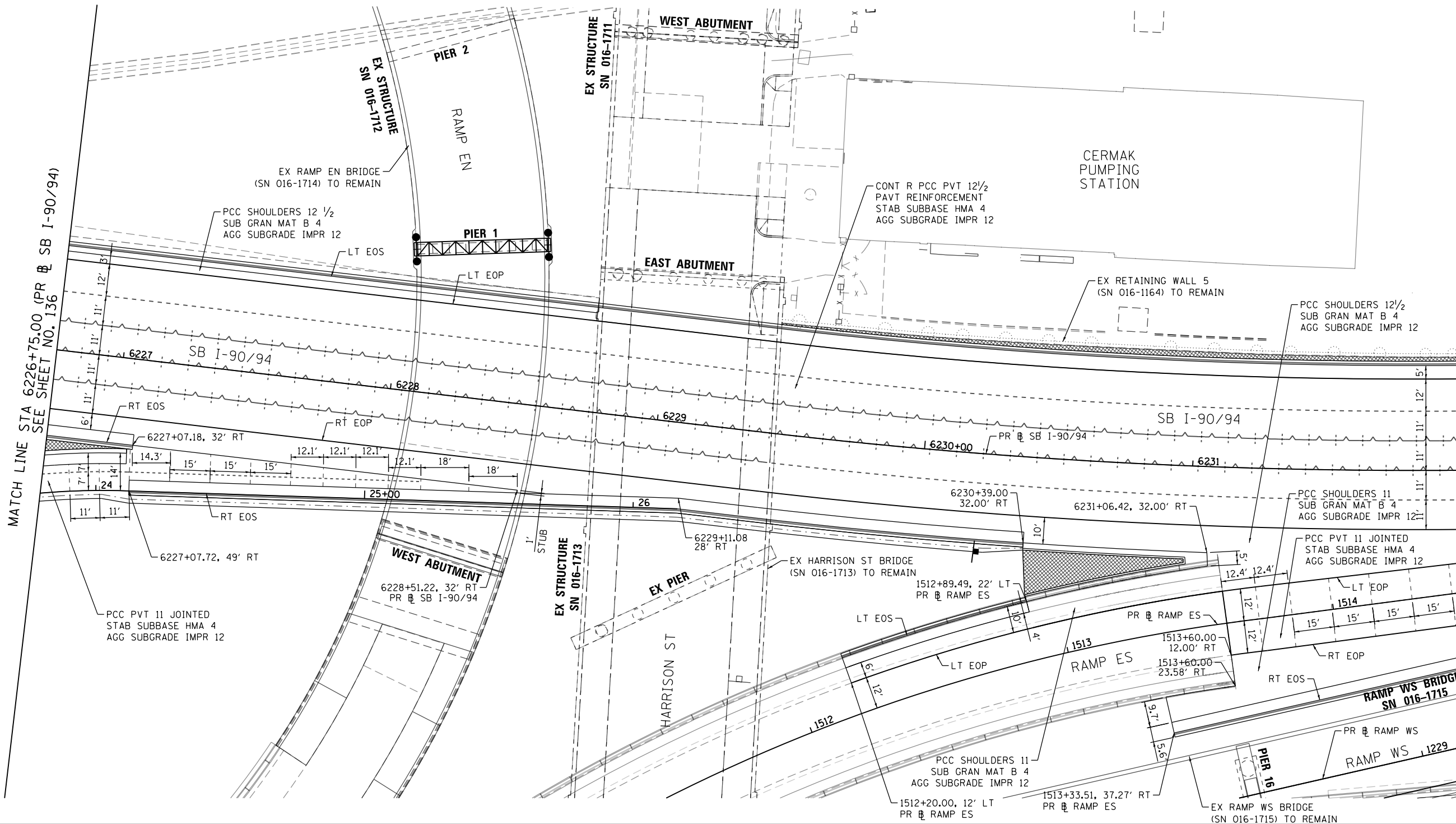
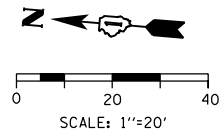
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	135
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- +--- CONSTRUCTION JOINT
    - o LONGITUDINAL CONSTRUCTION JOINT
    - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
    - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
    - o TRANSVERSE CONSTRUCTION JOINT
    - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
  - SAWED JOINT (MAINLINE)
    - o LONGITUDINAL SAWED JOINT
    - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
    - o TRANSVERSE CONTRACTION JOINT
    - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
  - SAWED JOINT (RAMPS)
    - o LONGITUDINAL SAWED JOINT
    - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
    - o TRANSVERSE CONTRACTION JOINT
    - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
  - ===== EXPANSION JOINT
    - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
  - ▒ PAVEMENT RESURFACING
  - ▨ COMPOSITE PAVEMENT
- NOTES**
1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR # SB I-90/94.
  2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
  3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
  4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
  5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
  6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
  7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
  8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
  9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
  10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
  11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.

	D162A77-SHT-JOINT-05.dgn	DESIGNED - OPS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINTING PLAN SB I-90/94</b>	F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 136
	USER NAME = PIMSARN0	DRAWN - ZND	REVISED -			SCALE: 1"=20'	SHEET 5 OF 10 SHEETS	STA. 6221+05.00 TO STA. 6226+75.00	CONTRACT NO. 62A77	
PLOT SCALE = 40.0000' / in.	CHECKED - MJE	REVISED -	DATE - 1/29/2019	ILLINOIS FED. AID PROJECT						
PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -								

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**LEGEND**

- +--- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)

- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR & SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



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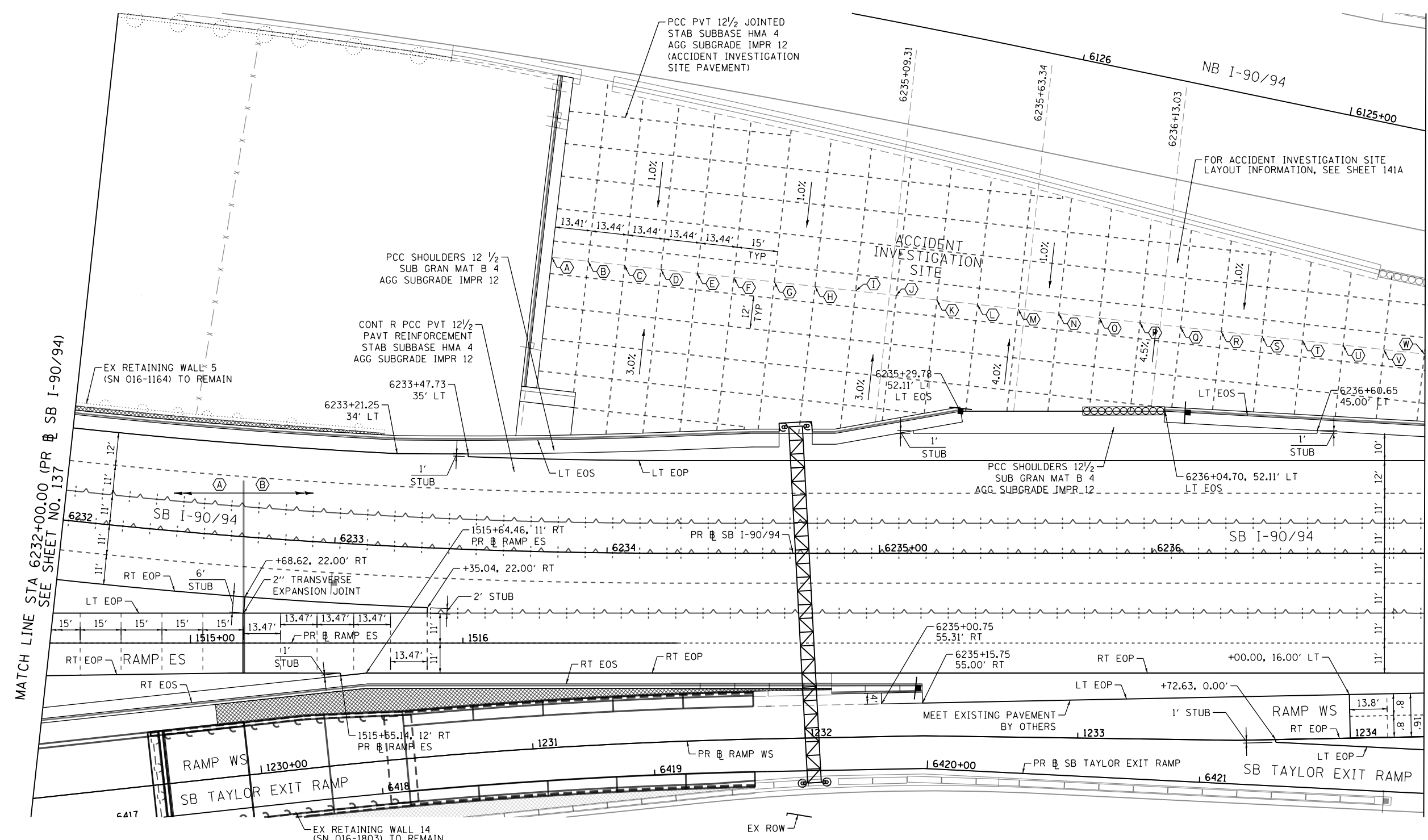
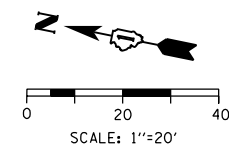
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

JOINTING PLAN  
SB I-90/94

SCALE: 1"=20' SHEET 6 OF 10 SHEETS STA. 6226+75.00 TO STA. 6232+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	137
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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- (A) STA 6232+68.62 (PR SB I-90/94) END PCC PVT 11 JOINTED
- (B) STA 6232+68.62 (PR SB I-90/94) BEGIN CONT R PCC PVT 12 1/2 PAVT REINFORCEMENT

**LEGEND**

- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)

- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- ▒ PAVEMENT RESURFACING
- ▒ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
4. SEE SUPERELEVATION TABLE FOR SHOULDER SLOPES.
5. ADDITIONAL SAWED TRANSVERSE CONTRACTION JOINTS MAY BE REQUIRED IN THE FIELD, AS DIRECTED BY THE ENGINEER. EXACT LOCATIONS TO BE VERIFIED IN THE FIELD AND APPROVED BY THE ENGINEER.
6. ALL TRANSVERSE JOINTS SHALL BE A MAXIMUM OF 15.0 FEET UNLESS OTHERWISE NOTED. SEE STANDARD 420101-06 FOR ADDITIONAL INFORMATION, REGARDING TRANSVERSE JOINT SPACING REQUIREMENTS.
7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



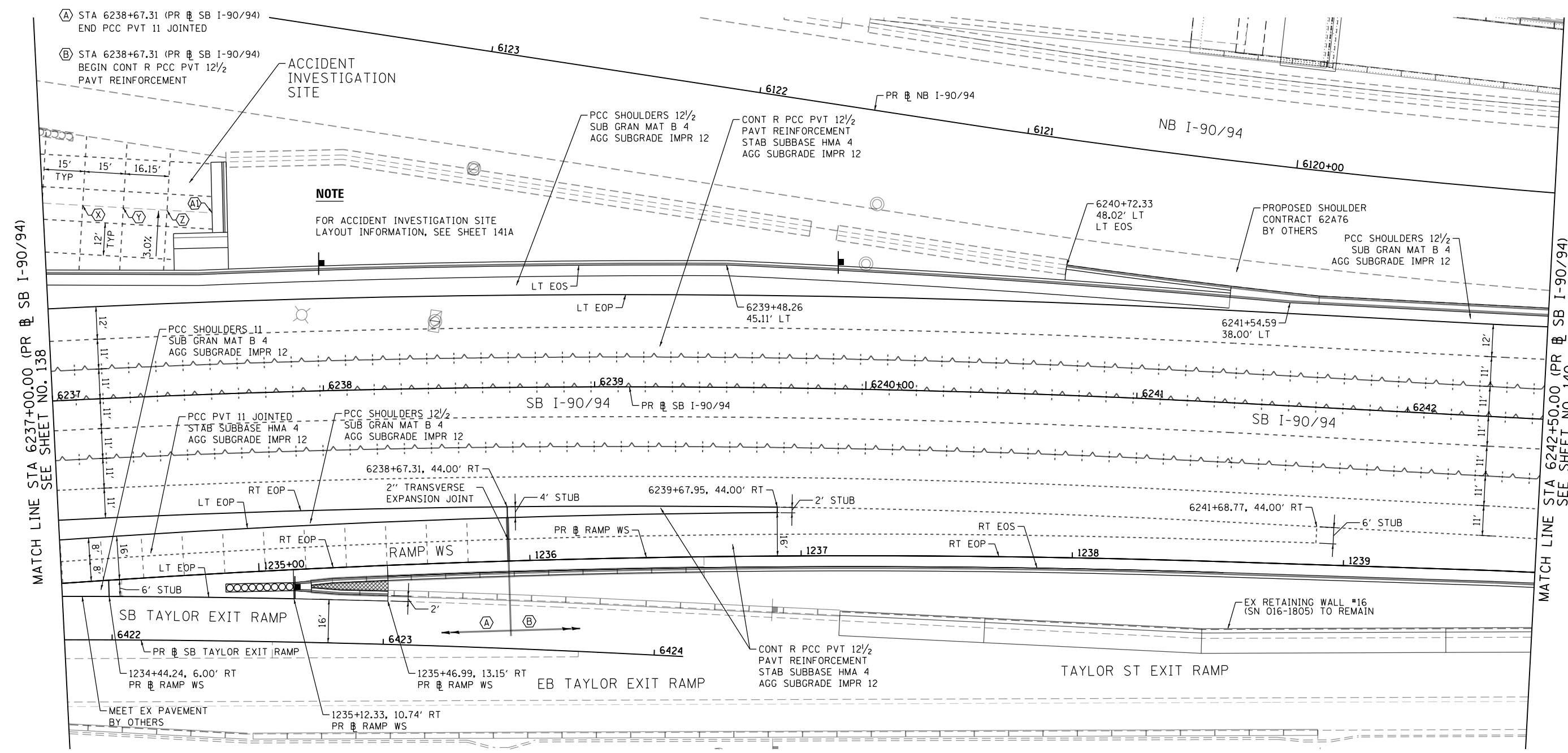
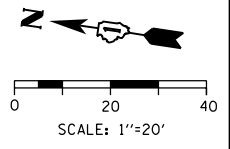
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN  
SB I-90/94**

SCALE: 1"=20' SHEET 7 OF 10 SHEETS STA. 6232+00.00 TO STA. 6237+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	138
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**NOTE**  
FOR ACCIDENT INVESTIGATION SITE LAYOUT INFORMATION, SEE SHEET 141A

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**LEGEND**

- +--- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)

- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONTRACTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

1. UNLESS NOTED OTHERWISE, ALL STATIONS AND OFFSETS ARE TAKEN FROM PR # SB I-90/94.
2. UNLESS OTHERWISE NOTED THE PGL IS ASSUMED TO BE AT THE BASELINE.
3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
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7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
8. PAVEMENT ROUNDOUTS FOR MANHOLES AND VALVE VAULTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420111-04.
9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.

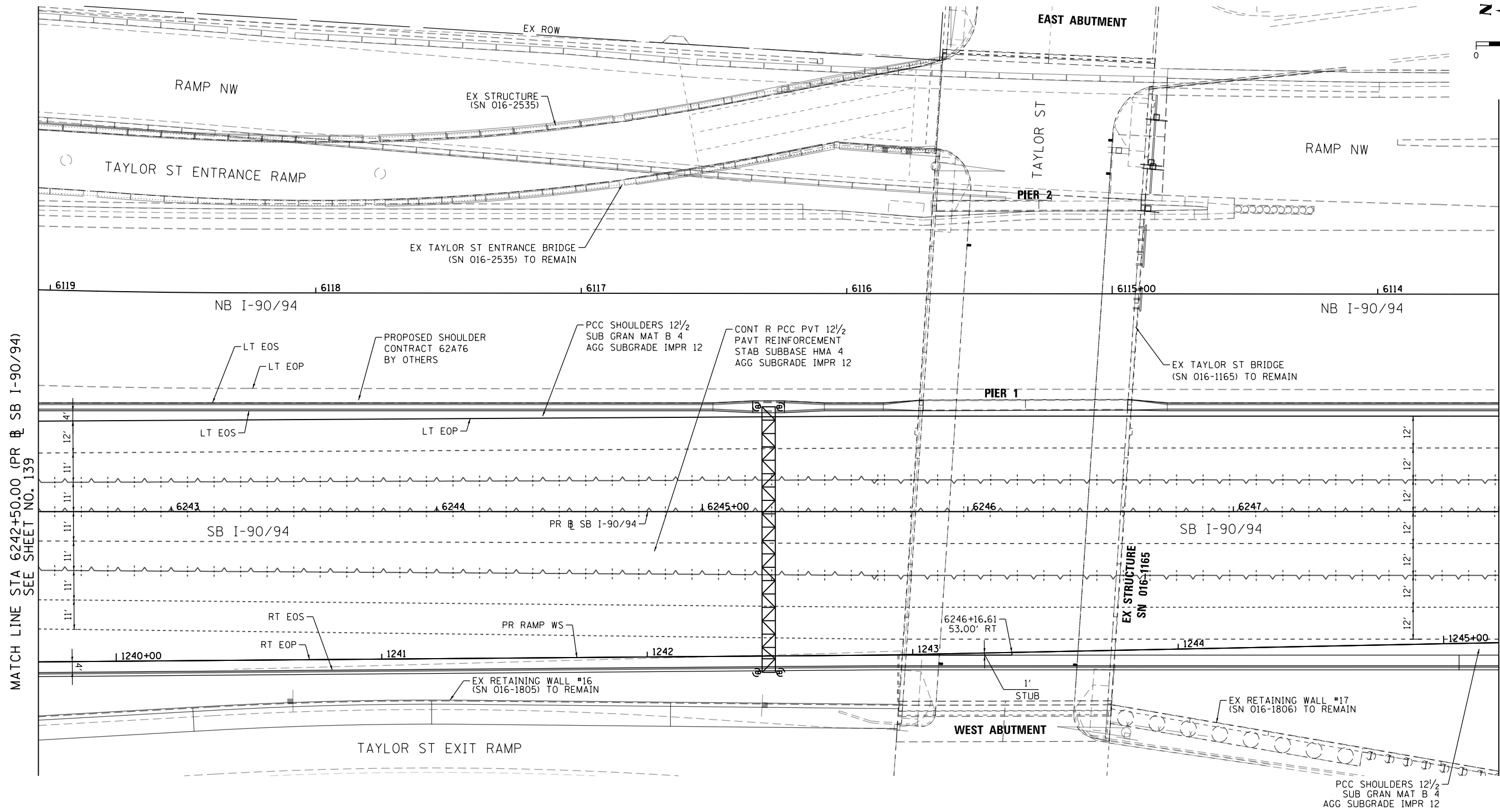
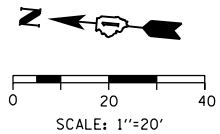


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>JOINING PLAN</b>	
<b>SB I-90/94</b>	
SCALE: 1"=20'	SHEET 8 OF 10 SHEETS
STA. 6237+00.00	TO STA. 6242+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	139
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 6242+50.00 (PR SB I-90/94) SEE SHEET NO. 139

MATCH LINE STA 6248+00.00 (PR SB I-90/94) SEE SHEET NO. 141

**LEGEND**

- +--- CONSTRUCTION JOINT
  - o LONGITUDINAL CONSTRUCTION JOINT
  - 1. NO. 6 X 2'-6" LONG DOWEL BARS (EPOXY COATED) FORMED IN PLACE OR MECHANICALLY INSERTED AT 2' C-C (STANDARD 420001-09) OR
  - 2. NO. 6 X 2' LONG DOWEL BARS (EPOXY COATED) GROUTED IN PLACE AT 2' C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS (EPOXY COATED) AT 1' C-C (STANDARD 420101-06)
- SAWED JOINT (MAINLINE)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 2'-6" LONG DEFORMED TIE BARS (EPOXY COATED) AT 2'-6" C-C (STANDARD 420001-09)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- SAWED JOINT (RAMPS)
  - o LONGITUDINAL SAWED JOINT
  - NO. 6 X 3' LONG DEFORMED TIE BARS AT 1'-6" C-C (DISTRICT STANDARD BD-49)
  - o TRANSVERSE CONSTRUCTION JOINT
  - 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (DISTRICT STANDARD BD-49)
- ===== EXPANSION JOINT
  - o 1'-6" LONG DOWEL BARS, 1 1/2" DIAMETER (EPOXY COATED) AT 12" C-C (STANDARD 420001-09)
- PAVEMENT RESURFACING
- ▨ COMPOSITE PAVEMENT

**NOTES**

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3. FOR PAVEMENT, SHOULDER, AND BARRIER MATERIALS SEE ROADWAY PLANS 101 TO 111.
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7. SEE STANDARD 420001-09 FOR INFORMATION REGARDING SEALING REQUIREMENTS FOR TRANSVERSE EXPANSION JOINTS.
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9. ALL ELEVATIONS NOT SHOWN SHALL FOLLOW THE TYPICAL SECTIONS AND PROFILES.
10. SEE STANDARD 420301-08 FOR EXIT RAMP TERMINAL JOINTING INFORMATION.
11. FOR CONSTRUCTION JOINT AT CROWN, SEE SHEET 141A.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

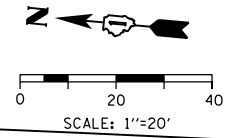
**JOINTING PLAN  
SB I-90/94**

SCALE: 1"=20'    SHEET 9 OF 10 SHEETS    STA. 6242+50.00 TO STA. 6248+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	140
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

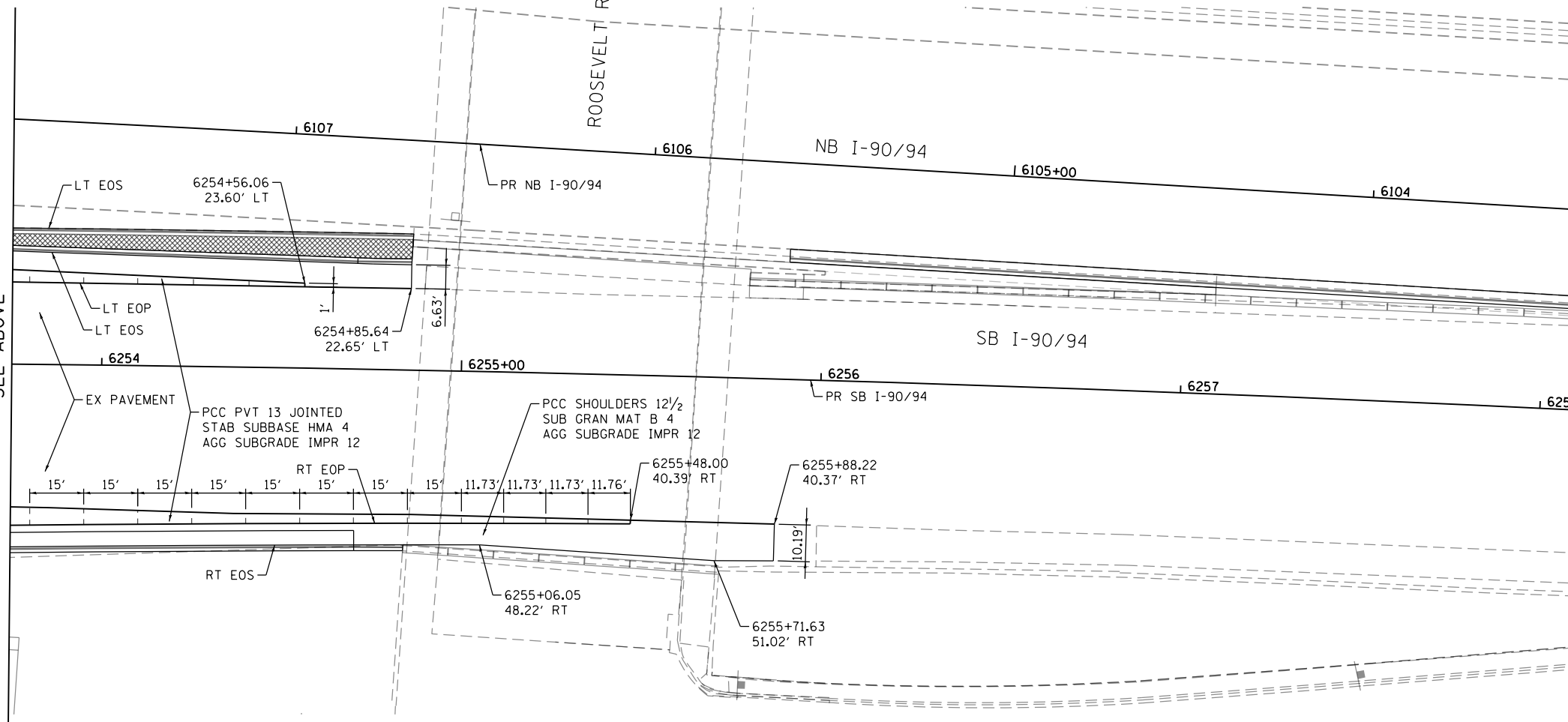
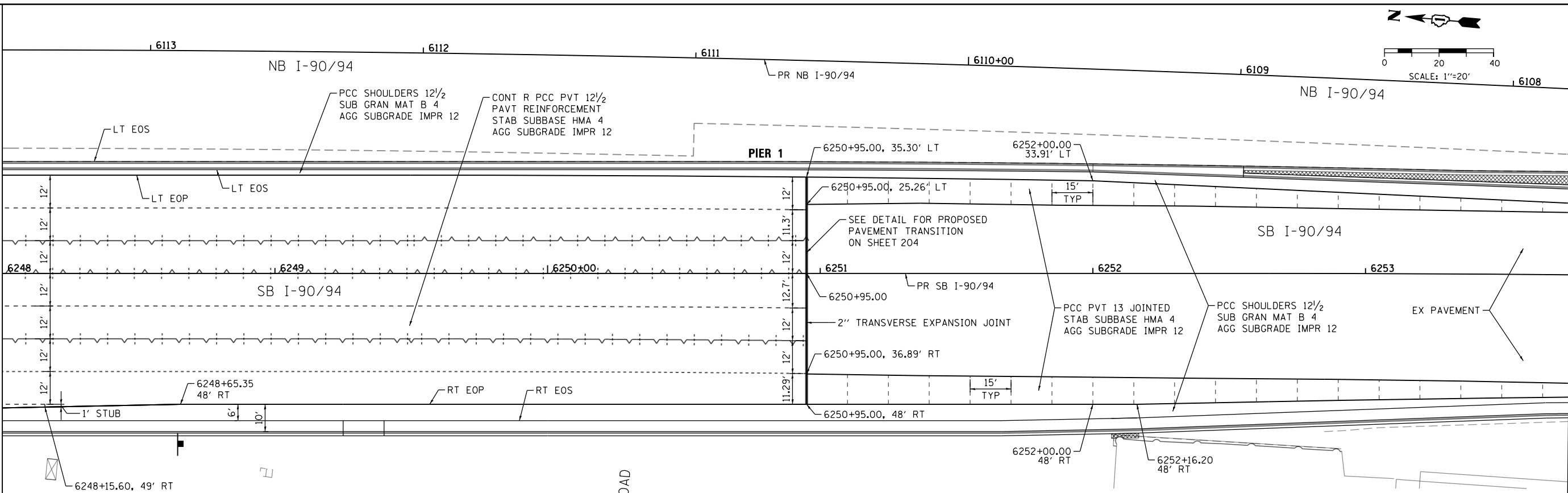
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MATCH LINE STA 6248+00.00 (PR SB I-90/94) SEE SHEET NO. 140

MATCH LINE STA 6253+75.00 (PR SB I-90/94) SEE BELOW



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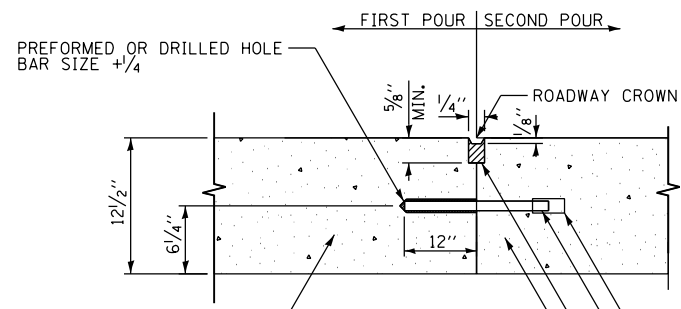
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**JOINTING PLAN  
SB I-90/94**

SCALE: 1"=20'    SHEET 10 OF 10 SHEETS    STA. 6248+00.00 TO STA. 6254+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	141
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, 12 1/2"

EXPANSION CAP  
SEE NOTE 2  
NO. 6X24"  
DOWEL BARS AT 36" CTS.  
HOT POURED JOINT SEALER  
CONTINUOUSLY REINFORCED CONCRETE PAVEMENT, 12 1/2"

**CONSTRUCTION JOINT AT CROWN**

PR @ SB I-90/94

**NOTES:**

1. SEE STANDARD 420001-09 FOR OTHER DETAILS.
2. EXPANSION CAPS SHALL BE INSTALLED ON THE EXPOSED END OF EACH DOWEL BAR ONCE THE HEADER HAS BEEN REMOVED AND THE JOINT FILLER MATERIAL HAS BEEN INSTALLED.

**ACCIDENT INVESTIGATION SITE LAYOUT**

ACCIDENT INVESTIGATION SITE LAYOUT				
POINT	STA PR SB I-90/94	OFFSET		ELEVATION
A	6233+77.21	108.10	LT	580.73
B	6233+91.20	106.89	LT	580.68
C	6234+05.42	105.58	LT	580.63
D	6234+19.49	104.19	LT	580.56
E	6234+33.18	102.71	LT	580.49
F	6234+46.53	101.23	LT	580.40
G	6234+61.44	99.58	LT	580.30
H	6234+76.35	97.92	LT	580.21
I	6234+91.26	96.27	LT	580.15
J	6235+06.17	94.62	LT	580.11
K	6235+21.08	92.96	LT	580.04
L	6235+35.99	91.31	LT	579.98
M	6235+50.89	89.65	LT	579.92
N	6235+65.80	88.00	LT	579.87
O	6235+80.71	86.35	LT	579.79
P	6235+95.62	84.69	LT	579.63
Q	6236+10.53	83.04	LT	579.44
R	6236+25.44	81.39	LT	579.14
S	6236+40.35	79.73	LT	578.94
T	6236+55.25	78.08	LT	578.75
U	6236+70.16	76.42	LT	578.56
V	6236+85.07	74.77	LT	578.37
W	6263+99.84	73.13	LT	578.17
X	6237+14.44	71.55	LT	578.06
Y	6237+29.11	70.02	LT	577.98
Z	6237+44.93	68.42	LT	577.89
A1	6237+61.23	66.84	LT	577.80



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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 1/29/2019

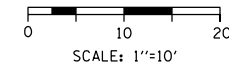
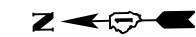
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 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

JOINTING DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

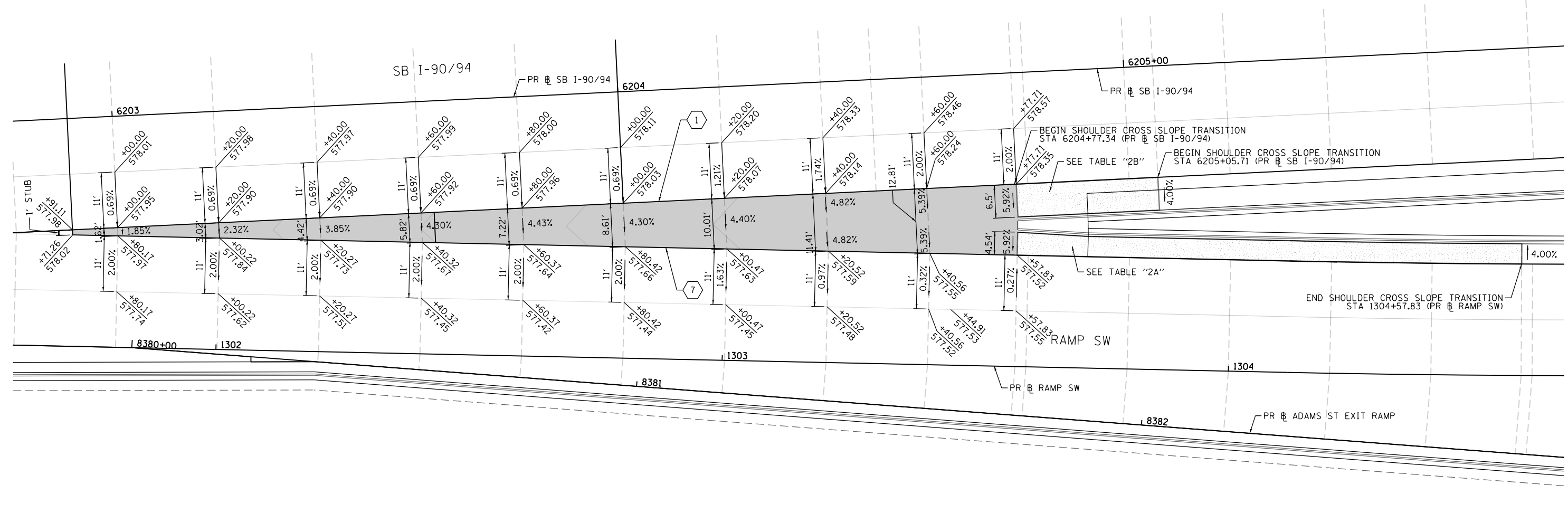
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	141A
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**LEGEND**

(599.00)	EXISTING ELEVATION
599.00	PROPOSED ELEVATION
	PROPOSED GORE
	SHOULDER CROSS SLOPE TRANSITIONS

- NOTES:**
1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:
- |  |                             |  |                           |  |            |
|--|-----------------------------|--|---------------------------|--|------------|
|  | PR SB I-90/94               |  | PR ADAMS ST EXIT RAMP     |  | EX RAMP SE |
|  | PR RAMP SW                  |  | PR JACKSON BLVD EXIT RAMP |  |            |
|  | PR MADISON ST ENTRANCE RAMP |  | PR TAYLOR ST EXIT RAMP    |  |            |



**TABLE "2A"**

SHOULDER CROSS SLOPE AND ELEVATIONS RAMP SW									
STATION	LANE 1			LANE 2			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV	O/S	%	ELEV
1303+57.83	-11	-	577.55	-22	-0.27%	577.52	-27.07	5.92%	577.82
1303+60.00	-11	-	577.56	-22	-0.36%	577.52	-26.45	5.70%	577.77
1303+80.00	-11	-	577.59	-22	-0.91%	577.49	-26	3.72%	577.64
1304+00.00	-11	-	577.63	-22	-1.64%	577.45	-26	1.74%	577.52
1304+20.00	-11	-	577.67	-22	-2.27%	577.42	-26	-0.25%	577.41
1304+40.00	-11	-	577.71	-22	-2.91%	577.39	-26	-2.23%	577.3
1304+57.83	-11	-	577.8	-22	-3.00%	577.47	-26	-4.00%	577.31

**TABLE "2B"**

SHOULDER CROSS SLOPE AND ELEVATIONS I-90/94									
STATION	LANE 3			LANE 4			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV	O/S	%	ELEV
6204+77.71	11	-	578.57	22	-2.00%	578.35	27.05	-5.92%	578.05
6204+80.00	11	-	578.59	22	-2.00%	578.37	26.45	-5.76%	578.63
6205+00.00	11	-	578.73	22	-2.00%	578.51	28.5	-4.39%	578.8
6205+05.71	11	-	578.76	22	-2.00%	578.54	28.5	-4.00%	578.28

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 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-1700 FAX: (312) 373-6800

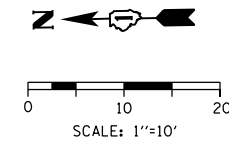


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PLOT SCALE = 20.0000' / in.	CHECKED - OPS	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>GORE GRADING DETAILS</b>			
<b>SB I-90/94 AM RAMP SW</b>			
SCALE: 1" = 10'	SHEET 1	OF 7 SHEETS	STA. TO STA.

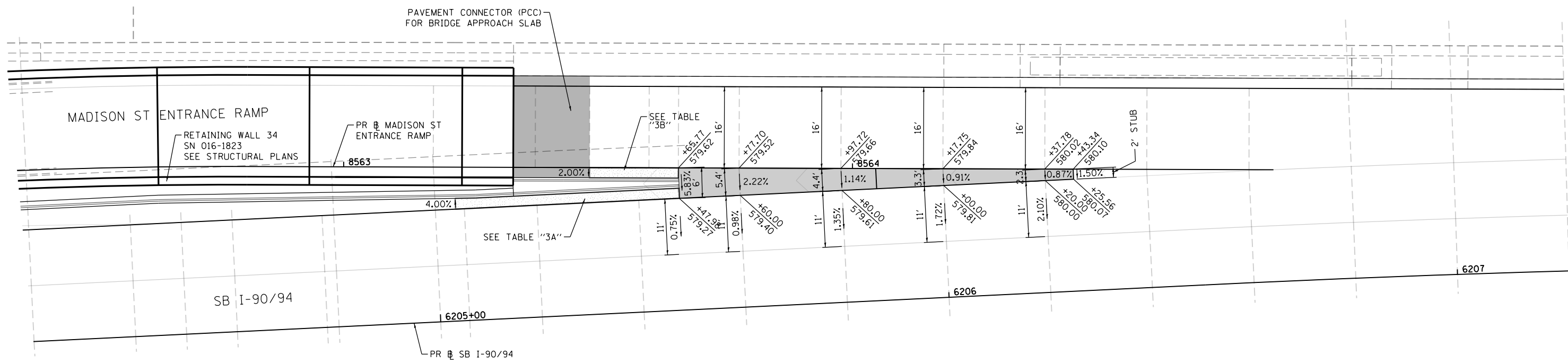
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	142
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**LEGEND**

(599.00)	EXISTING ELEVATION
599.00	PROPOSED ELEVATION
	PROPOSED GORE
	SHOULDER CROSS SLOPE TRANSITIONS

- NOTES:**
1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:
- |  |                             |  |                           |  |            |
|--|-----------------------------|--|---------------------------|--|------------|
|  | PR SB I-90/94               |  | PR ADAMS ST EXIT RAMP     |  | EX RAMP SE |
|  | PR RAMP SW                  |  | PR JACKSON BLVD EXIT RAMP |  |            |
|  | PR MADISON ST ENTRANCE RAMP |  | PR TAYLOR ST EXIT RAMP    |  |            |



**TABLE "3A"**

SHOULDER CROSS SLOPE AND ELEVATIONS MADISON ENTRANCE RAMP						
STATION	LANE 1			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV
6205+03.98	-22	-	578.77	-24.09	-4.00%	578.69
6205+20.00	-22	-	578.94	-24	-0.42%	578.93
6205+40.00	-22	-	579.17	-24	4.05%	579.25
6205+47.98	-22	-	579.27	-24	5.83%	579.39

**TABLE "3B"**

SHOULDER CROSS SLOPE AND ELEVATIONS MADISON ENTRANCE RAMP						
STATION	O/S	PGL			SHOULDER	
		%	ELEV	O/S	%	ELEV
8563+48.33	0	-	580.05	2	-2.00%	580.01
8563+60.00	0	-	579.72	2	-4.57%	579.63
8563+65.77	0	-	579.62	2	-5.83%	579.50

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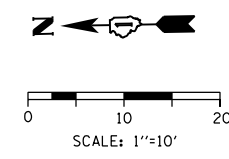


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PLOT SCALE = 20.0000' / in.	CHECKED - OPS	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>GORE GRADING DETAILS</b> <b>SB I-90/94 AND MADISON ST ENTRANCE RAMP</b>			
SCALE: 1" = 10'	SHEET 2 OF 7 SHEETS	STA.	TO STA.

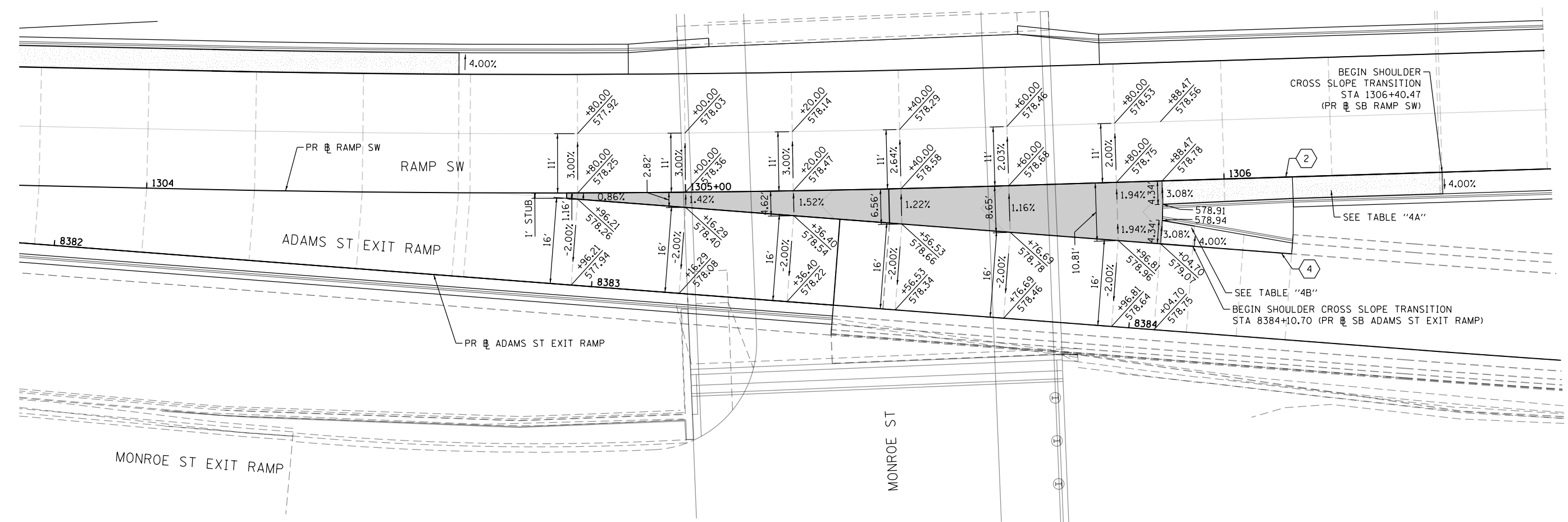
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	143
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**LEGEND**

(599.00)	EXISTING ELEVATION
599.00	PROPOSED ELEVATION
	PROPOSED GORE
	SHOULDER CROSS SLOPE TRANSITIONS

- NOTES:**
1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:
- |  |                             |  |                           |  |            |
|--|-----------------------------|--|---------------------------|--|------------|
|  | PR SB I-90/94               |  | PR ADAMS ST EXIT RAMP     |  | EX RAMP SE |
|  | PR RAMP SW                  |  | PR JACKSON BLVD EXIT RAMP |  |            |
|  | PR MADISON ST ENTRANCE RAMP |  | PR TAYLOR EXIT RAMP       |  |            |



**TABLE "4A"**

STATION	SHOULDER CROSS SLOPE AND ELEVATIONS RAMP SW			SHOULDER		
	O/S	PGL %	ELEV	O/S	%	ELEV
1305+88.47	0	-	578.78	4.3	3.08%	578.91
1306+00.00	0	-	578.8	4.2	1.51%	578.86
1306+20.00	0	-	578.82	4	-1.21%	578.77
1306+40.00	0	-	578.82	4	-3.94%	578.66
1306+40.47	0	-	578.82	4	-4.00%	578.66

**TABLE "4B"**

STATION	SHOULDER CROSS SLOPE AND ELEVATIONS ADAMS ST EXIT RAMP					
	O/S	LANE 1		SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV
8384+04.70	-16	-	579.07	-20.3	3.08%	578.94
8384+10.70	-16	-	579.18	-19.8	2.00%	579.1

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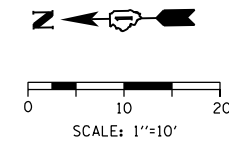


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PLOT SCALE = 20.0000' / in.	CHECKED - OPS	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GORE GRADING DETAILS RAMP SW AND ADAMS ST EXIT RAMP</b>			
SCALE: 1" = 10'	SHEET 3 OF 7 SHEETS	STA. TO STA.	

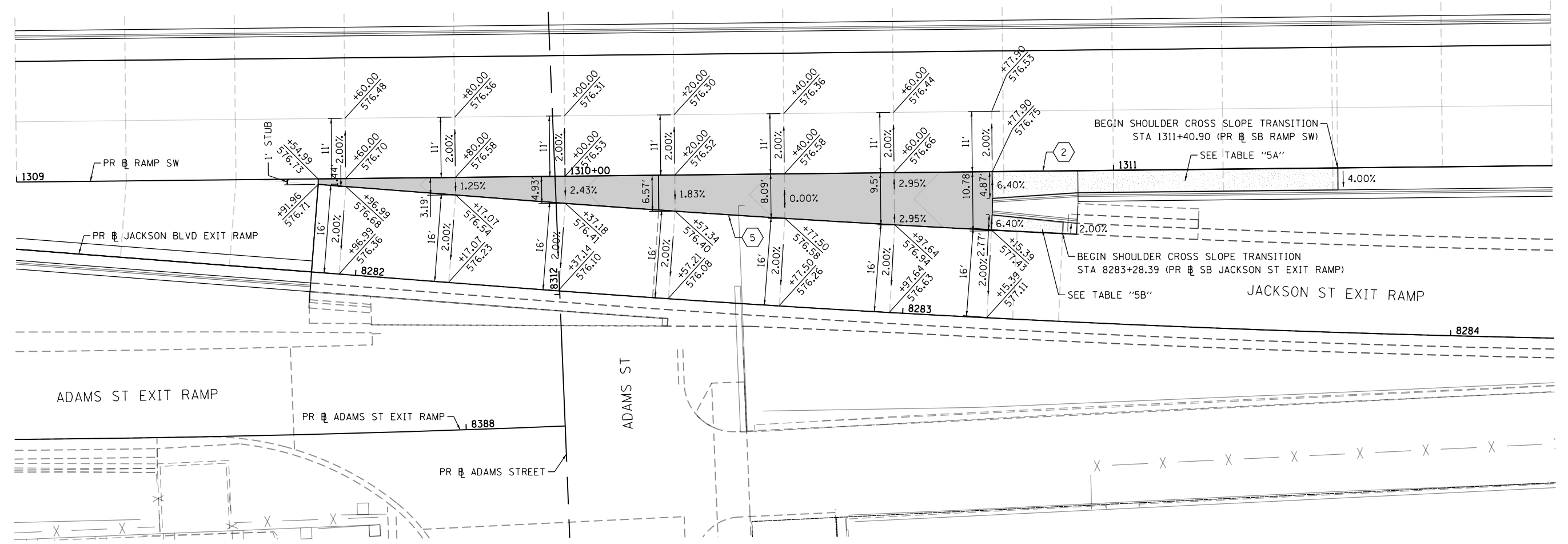
F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 144
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**LEGEND**

(599.00)	EXISTING ELEVATION
599.00	PROPOSED ELEVATION
	PROPOSED GORE
	SHOULDER CROSS SLOPE TRANSITIONS

- NOTES:**
1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:
- |  |                             |  |                           |  |            |
|--|-----------------------------|--|---------------------------|--|------------|
|  | PR SB I-90/94               |  | PR ADAMS ST EXIT RAMP     |  | EX RAMP SE |
|  | PR RAMP SW                  |  | PR JACKSON BLVD EXIT RAMP |  |            |
|  | PR MADISON ST ENTRANCE RAMP |  | PR TAYLOR ST EXIT RAMP    |  |            |



**TABLE "5A"**

STATION	SHOULDER CROSS SLOPE AND ELEVATIONS RAMP SW			SHOULDER		
	O/S	PGL %	ELEV	O/S	%	ELEV
1310+77.90	0	-	576.75	4.9	6.40%	577.06
1310+80.00	0	-	576.76	4.8	6.05%	577.05
1311+00.00	0	-	576.86	4	2.75%	576.97
1311+20.00	0	-	576.96	4	-0.55%	576.94
1311+40.00	0	-	577.04	4	-3.85%	576.89
1311+40.90	0	-	577.04	4	-4.00%	576.88

**TABLE "5B"**

STATION	SHOULDER CROSS SLOPE AND ELEVATIONS JACKSON ST EXIT RAMP					
	LANE 1			SHOULDER		
O/S	%	ELEV	O/S	%	ELEV	
8283+15.39	-16	-	577.43	-18.8	-6.40%	577.25
8283+20.00	-16	-	577.58	-18.5	-4.84%	577.46
8283+28.39	-16	-	577.88	-18.1	-2.00%	577.84

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 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-7700 FAX: (312) 373-6800

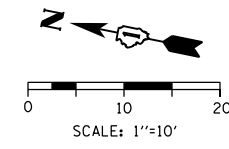


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PLOT SCALE = 20.0000' / in.	CHECKED - OPS	REVISED -
PLOT DATE = 1/28/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>GORE GRADING DETAILS</b>			
<b>RAMP SW AND JACKSON ST EXIT RAMP</b>			
SCALE: 1" = 10'	SHEET 4 OF 7 SHEETS	STA. TO STA.	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	145
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



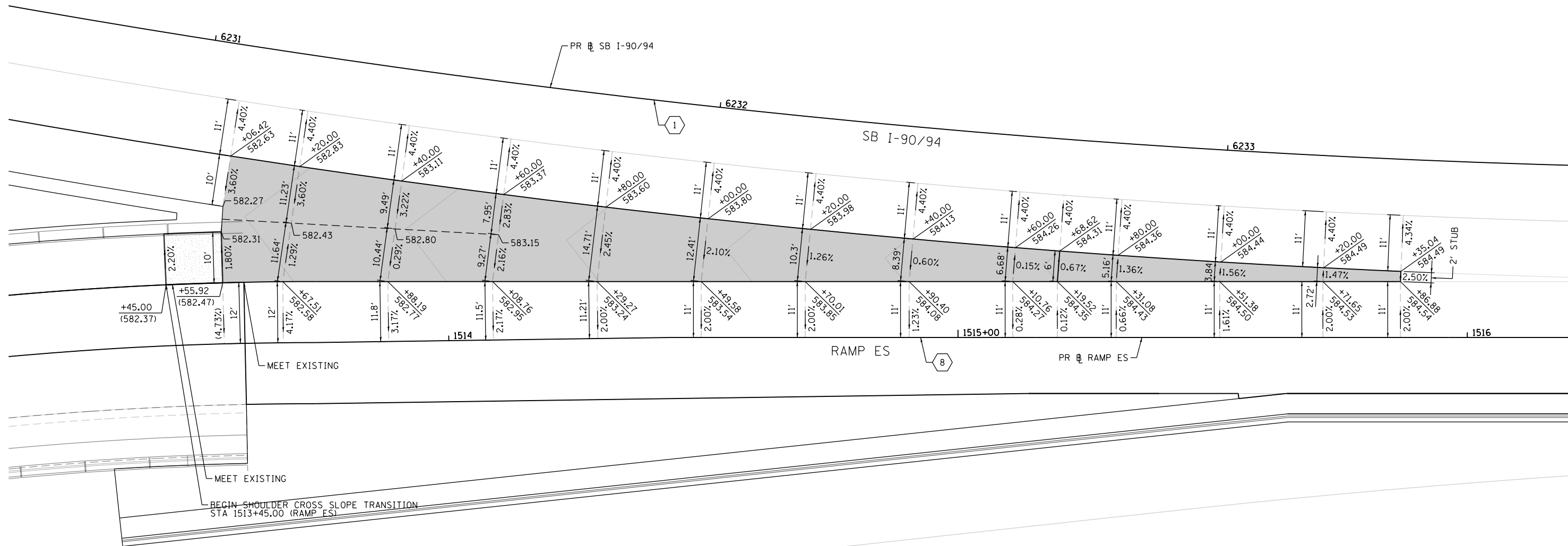
**LEGEND**

- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION
- PROPOSED GORE
- SHOULDER CROSS SLOPE TRANSITIONS

**NOTES:**

1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:

- |   |   |  |
|---|---|--|
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">1</span> PR SB I-90/94               | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">4</span> PR ADAMS ST EXIT RAMP     | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">7</span> PR RAMP SE |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">2</span> PR RAMP SW                  | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">5</span> PR JACKSON BLVD EXIT RAMP | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">8</span> PR RAMP ES |
| <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">3</span> PR MADISON ST ENTRANCE RAMP | <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">6</span> PR TAYLOR ST EXIT RAMP    |  |



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 PLOT DATE = 1/28/2020

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 DRAWN - AFC  
 CHECKED - MJE  
 DATE - 1/29/2019

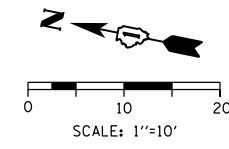
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GORE GRADING DETAILS  
 SB I-90/94 AND RAMP ES**

SCALE: 1" = 10' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	146
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

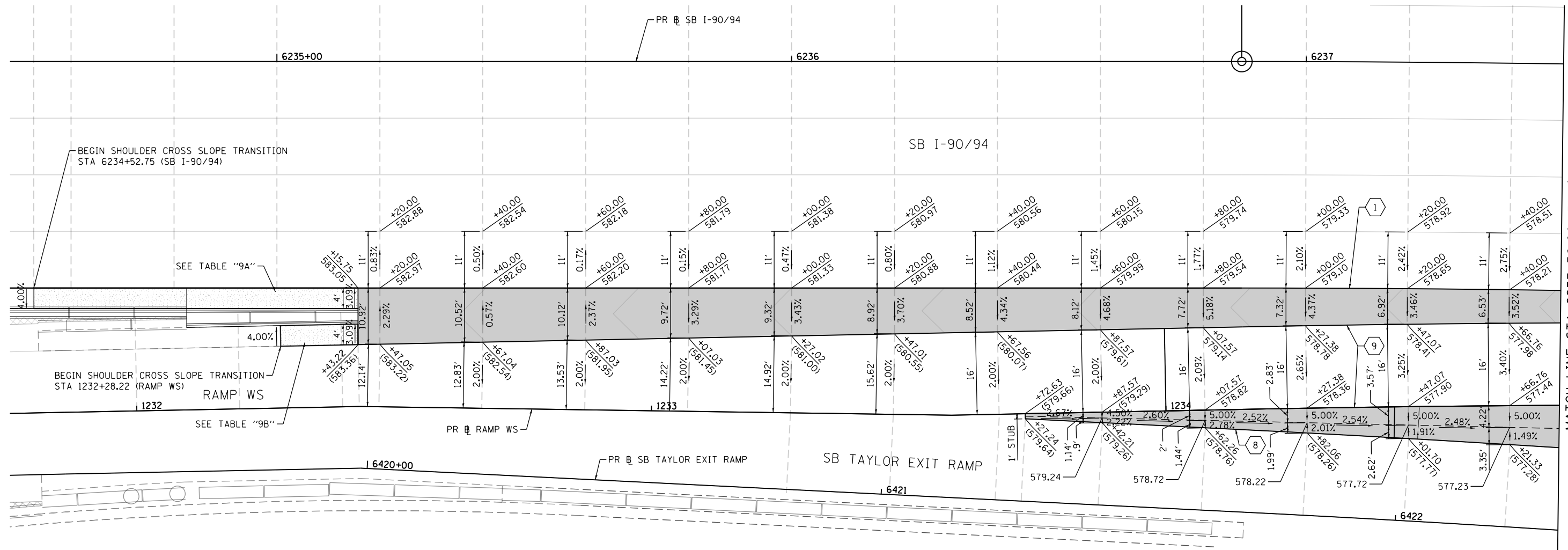


**LEGEND**

- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION
- PROPOSED GORE
- SHOULDER CROSS SLOPE TRANSITIONS

**NOTES:**

1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:
- |                               |                             |              |
|-------------------------------|-----------------------------|--------------|
| ① PR SB I-90/94               | ④ PR ADAMS ST EXIT RAMP     | ⑦ PR RAMP SE |
| ② PR RAMP SW                  | ⑤ PR JACKSON BLVD EXIT RAMP | ⑧ PR RAMP ES |
| ③ PR MADISON ST ENTRANCE RAMP | ⑥ PR TAYLOR ST EXIT RAMP    | ⑨ PR RAMP WS |



**TABLE "9A"**

SHOULDER CROSS SLOPE AND ELEVATIONS SB I-90/94						
STATION	PGL			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV
6234+52.75	44	-	584.05	48	-4.00%	584.21
6234+60.00	44	-	583.94	48	-3.18%	584.07
6234+80.00	44	-	583.65	48	-0.93%	583.69
6235+00.00	44	-	583.32	48	1.32%	583.27
6235+15.75	44	-	583.05	48	3.09%	582.93

**TABLE "9B"**

SHOULDER CROSS SLOPE AND ELEVATIONS RAMP WS						
STATION	LANE 1			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV
1232+28.22	-12	-	583.96	-16	4.00%	584.12
1232+43.22	-12	-	583.36	-16	3.09%	583.48

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 303 EAST WACKER DRIVE, SUITE 1400  
 CHICAGO, IL 60601-5276  
 PHONE: (312) 373-1700 FAX: (312) 373-6800



D162A77-SHT-GORE-DETAIL-07.dgn  
 USER NAME = andy.becker  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/28/2020

DESIGNED - ATB  
 DRAWN - ATB  
 CHECKED - MJE  
 DATE - 1/29/2019

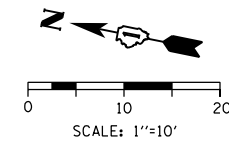
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GORE GRADING DETAILS**  
**SB I-90/94 RAMP WS AND TAYLOR EXIT RAMP**  
 SCALE: 1" = 10' SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	147
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

MATCH LINE STA 6237+50.00 (PR SB I-90/94)  
 SEE SHEET NO. 148





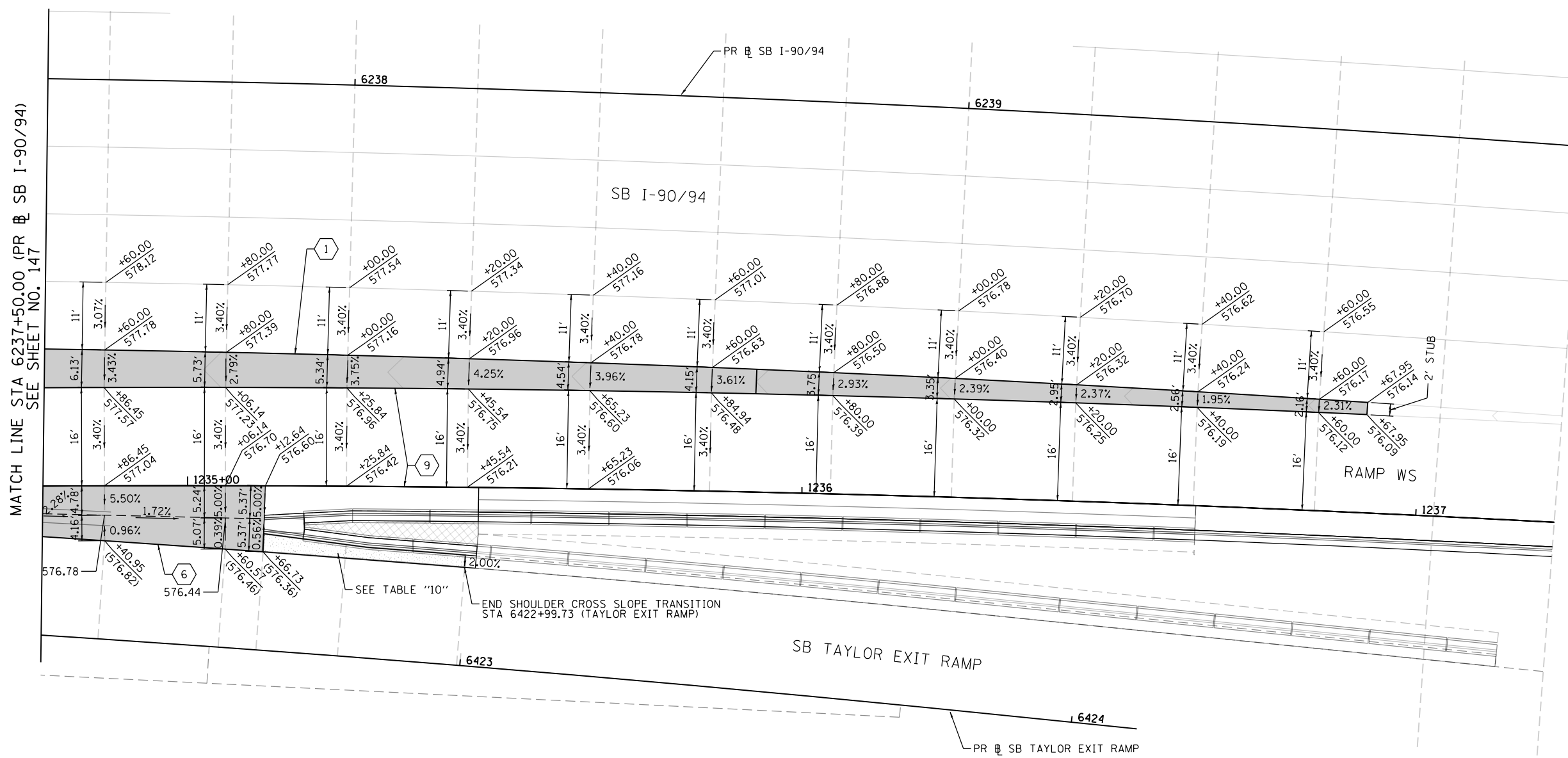
**LEGEND**

- (599.00) EXISTING ELEVATION
- 599.00 PROPOSED ELEVATION
- PROPOSED GORE
- SHOULDER CROSS SLOPE TRANSITIONS

**NOTES:**

1. PARTIAL STATIONING ARE BASED ON THE FOLLOWING BASELINES:

- |  |  |  |
|--|--|--|
| <ul style="list-style-type: none"> <li>① PR SB I-90/94</li> <li>② PR RAMP SW</li> <li>③ PR MADISON ST ENTRANCE RAMP</li> </ul> | <ul style="list-style-type: none"> <li>④ PR ADAMS ST EXIT RAMP</li> <li>⑤ PR JACKSON BLVD EXIT RAMP</li> <li>⑥ PR TAYLOR ST EXIT RAMP</li> </ul> | <ul style="list-style-type: none"> <li>⑦ PR RAMP SE</li> <li>⑧ PR RAMP ES</li> <li>⑨ PR RAMP WS</li> </ul> |
|--|--|--|



**TABLE "10"**

SHOULDER CROSS SLOPE AND ELEVATIONS SB TAYLOR EXIT RAMP						
STATION	LANE 1			SHOULDER		
	O/S	%	ELEV	O/S	%	ELEV
6422+66.73	-16	-	576.36	-18.94	0.56%	576.34
6422+80.00	-16	-	576.19	-18.19	-0.47%	576.2
6422+99.73	-16	-	576.038	-18	-2.00%	576.08

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D162A77-SHT-GORE-DETAIL-08.dgn  
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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/30/2020

DESIGNED - ATB  
 DRAWN - ATB  
 CHECKED - MJE  
 DATE - 1/29/2019

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GORE GRADING DETAILS  
 SB I-90/94 RAMP WS AND TAYLOR EXIT RAMP**

SCALE: 1" = 10' SHEET 7 OF 7 SHEETS STA. TO STA.

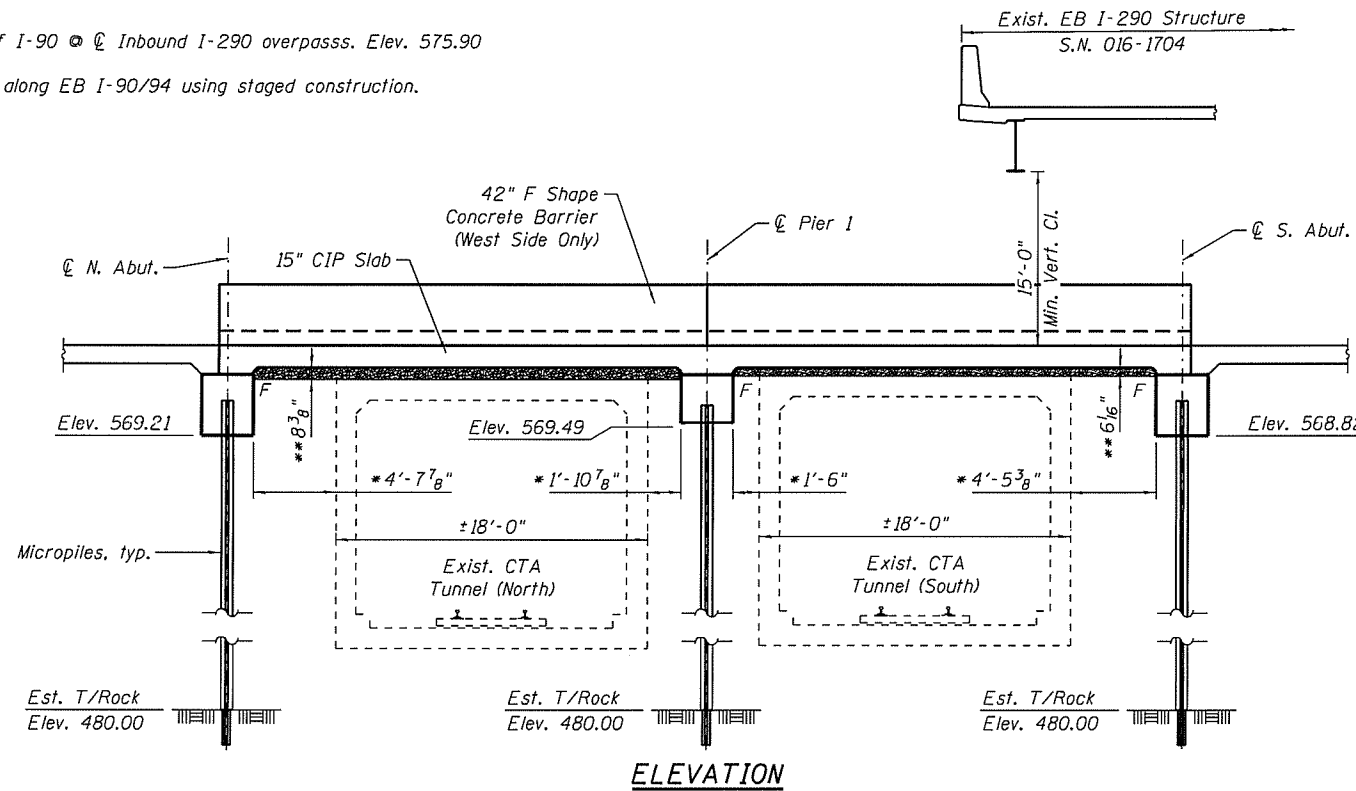
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	148
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

Bench Mark: Set "X" on Westerly Jaywall of I-90 @ Inbound I-290 overpass. Elev. 575.90  
 Existing Structure: None  
 Traffic Control: Traffic will be maintained along EB I-90/94 using staged construction.  
 No Salvage

**TABLE 1**

	Estimated T/Ground Elev.
N. Abut.	574.45
Pier 1	574.25
S. Abut.	574.08

\* Min. Horizontal Clearance  
 \*\* Min. Vertical Clearance



**CURVE DATA**

(SB I-90/94)  
 Curve: P-KDR-SB-3  
 PI STA. = 6224+30.06  
 $\Delta = 11^\circ 28' 39''$  (RT)  
 $D = 2^\circ 41' 06''$   
 $R = 2,134.00'$   
 $T = 214.46'$   
 $L = 427.48'$   
 $E = 10.75'$   
 P.C. STA. = 6222+15.60  
 P.T. STA. = 6226+43.08

**DESIGN SPECIFICATIONS**

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

**LOADING HL-93**

Allow 50#/sq. ft. for future wearing surface.

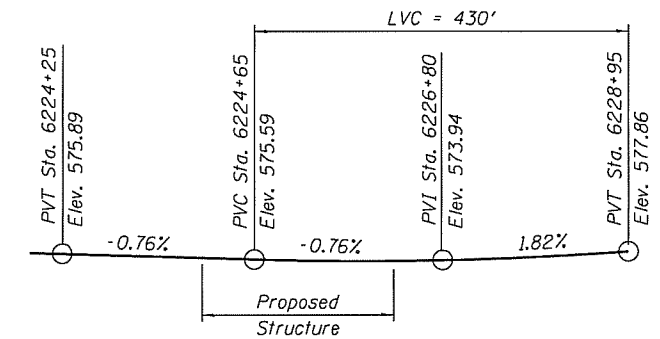
**DESIGN STRESSES**

**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f'_c = 4,000$  psi (Superstructure)  
 $f'_c = 5,000$  psi (Micropiles Grout)  
 $f_y = 60,000$  psi (Reinforcement)

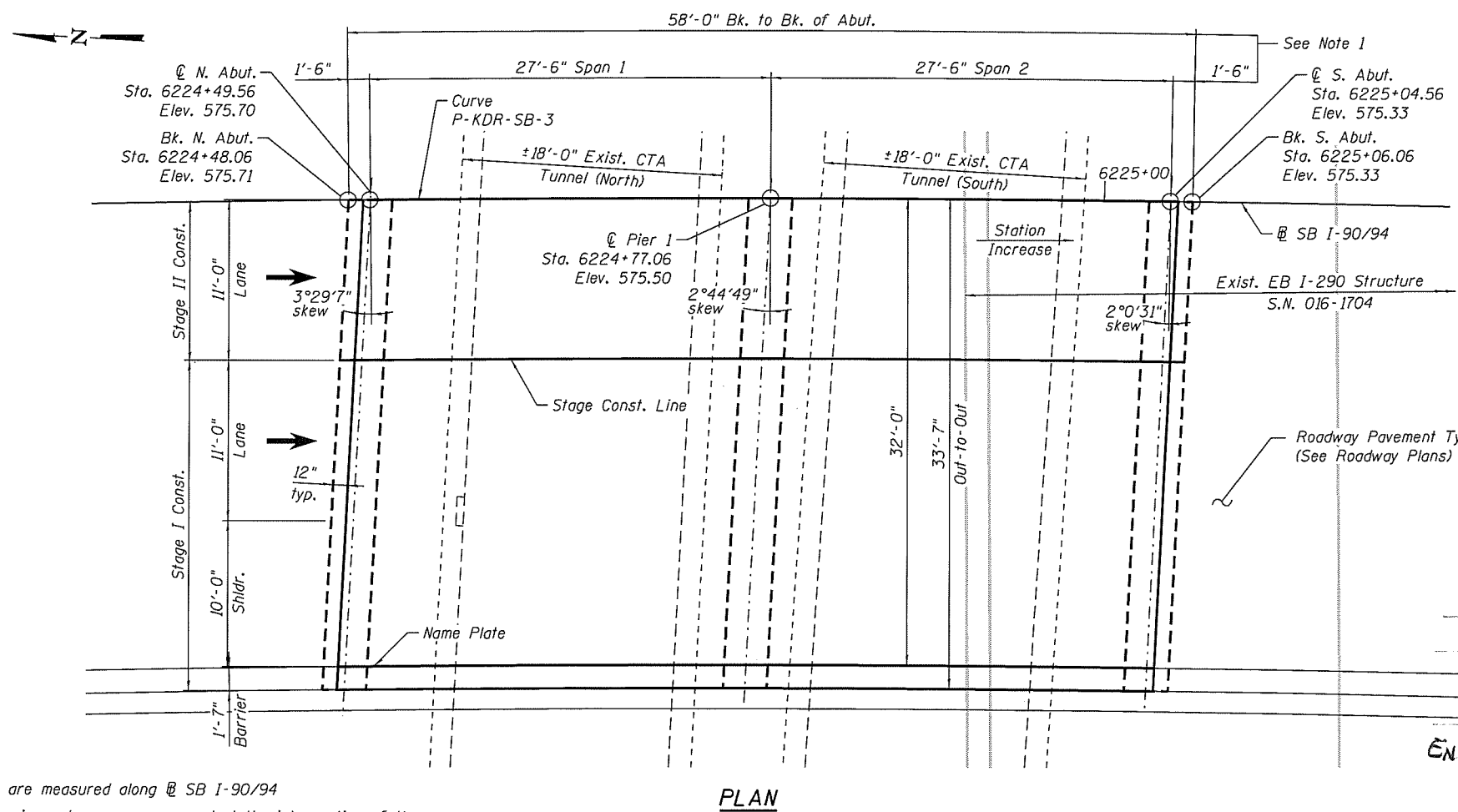
**SEISMIC DATA**

Seismic Performance Zone (SPZ) = 1  
 Design Spectral Acceleration at 1.0 sec. ( $S_{D1}$ ) = 0.085g  
 Design Spectral Acceleration at 0.2 sec. ( $S_{D5}$ ) = 0.144g  
 Soil Site Class = D

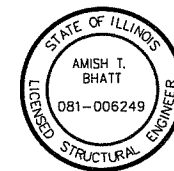


**PROFILE GRADE**

(Along SB I-90/94)



**PLAN**



Amish T. Bhatt  
 AMISH T. BHATT  
 LICENSE EXPIRES 11/30/2020  
 DATE 01/21/2020

APPROVED  
 FOR STRUCTURAL ADEQUACY ONLY  
 S. Carl Pappas  
 ENGINEER OF BRIDGES & STRUCTURES

**INDEX OF SHEETS**

- General Plan and Elevation
- General Notes, Total Bill of Material and Foundation Layout
- Top of Slab Elevations
- Superstructure
- Superstructure Details
- Abutments
- Pier 1
- Substructure Details
- Bar Splicer Details
- Soil Boring Logs 1
- Soil Boring Logs 2
- Soil Boring Logs 3
- Soil Boring Logs 4

**GENERAL PLAN AND ELEVATION  
 DRYLAND BRIDGE OVER CTA TUNNELS**

F.A.I. RTE. 90/94/290

SECTION 2015-018R

COOK COUNTY

STATION 6224+77.06

STRUCTURE NO. 016-D006

**NOTES:**

- Span lengths are measured along SB I-90/94
- Skewed dimensions shown are measured at the intersection of the @ with the @ of the substructure element.



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STRUCTURE NO. 016-D006

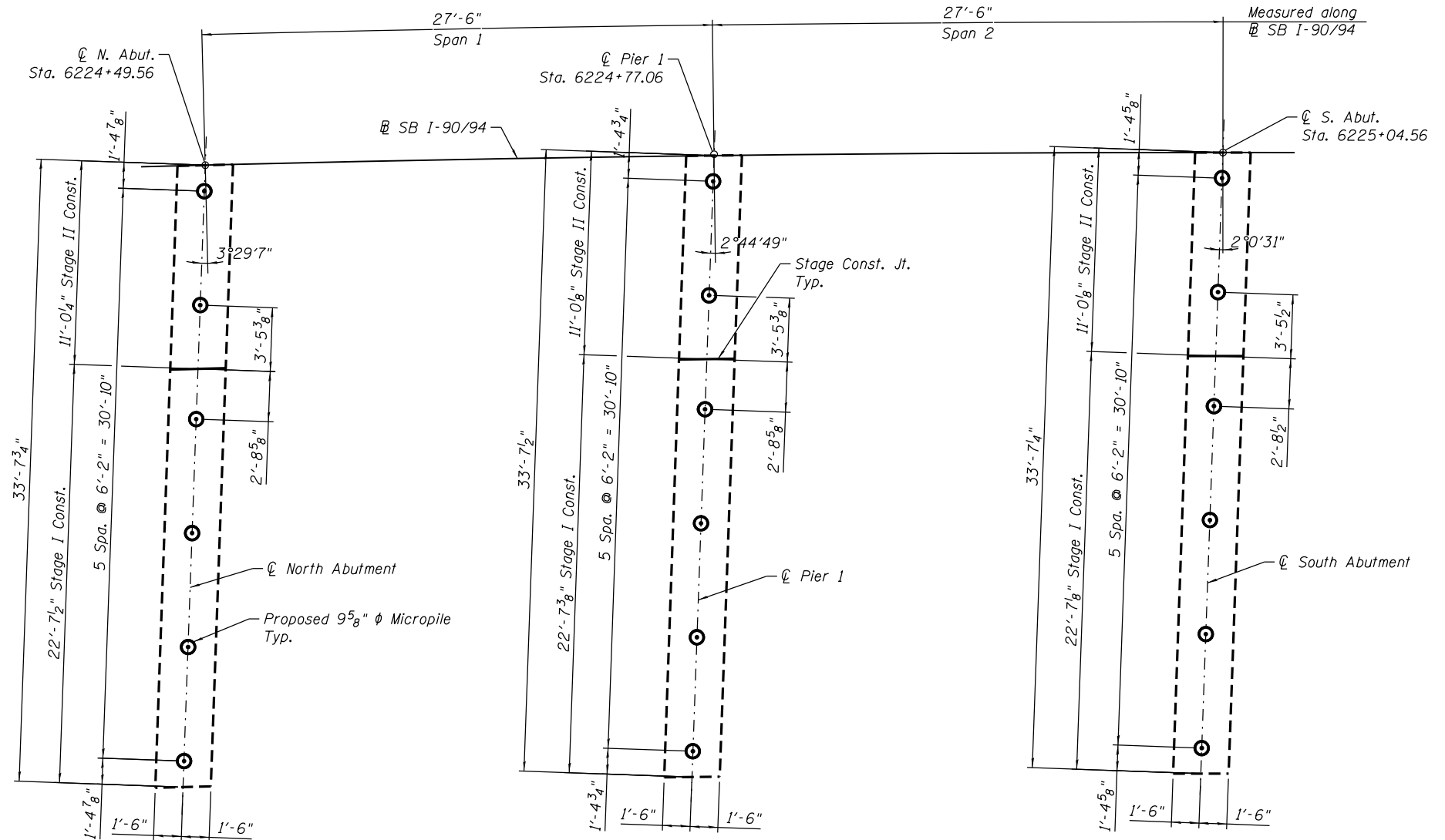
SHEET NO. 1 OF 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	149
			CONTRACT NO. 62A77	
ILLINOIS FED. AID PROJECT				

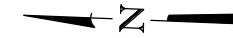
D162A77-SHT-StructSlab-01

**GENERAL NOTES**

- See Sheet 8 for Micropiles details and notes.
- Reinforcement bars designated (E) shall be epoxy coated.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Slipforming of the parapets is not allowed.
- During construction, the Contractor may encounter abandoned foundation elements that obstruct construction of the proposed structure. Removal and disposal of abandoned foundation elements, as directed by the Engineer, shall be per special provision Abandoned Foundation Removal.
- All work adjacent to and over the existing CTA tunnels shall conform to requirements identified within the CTA Flagger and Coordination Special Provision.
- The Contractor must protect all CTA structures and its elements at all the times. The Contractor shall obtain approval from CTA prior to proceeding with any construction activity adjacent to CTA. Contractor shall take extreme precautions to not damage existing CTA structures during the construction and shall not support any construction equipment and/or material from any elements of existing CTA structures. The Contractor is responsible for the structural integrity and stability of the existing CTA structures. Any damage to the existing CTA structures shall be repaired by the Contractor to the satisfaction of CTA and the Engineer at no additional cost.
- Excavation around existing CTA tunnels for the construction of the proposed structure shall be performed per special provision Earth Excavation (Special) using only hand excavation or approved methods that would cause no damage to the existing CTA tunnels. The limits of excavation work shall be identified prior to start of work. All planned excavation is subject to approval by the Engineer and CTA. See Civil plans for Earth Excavation (Special) limits and quantity.
- The location of existing CTA tunnels has been identified using a combination of record drawings and topographical survey. Clearance information shown from the proposed structure to the existing CTA retaining wall is approximate and subject to variation. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction and/or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor is advised that there is limited space available adjacent to existing CTA tunnels and Exist. EB I-290 bridge (S.N. 016-1704) for the construction of the proposed structure. The Contractor shall take all necessary measures for the construction of the proposed structure. Finding suitable means and methods for the successful construction the proposed structure is the responsibility of the Contractor. No additional costs shall be paid for this effort.



**FOUNDATION LAYOUT**



**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Aggregate Subgrade Improvement, 12"	Sq. Yd.		187	187
Reinforcement Bars, Epoxy Coated	Pound	52,080	7,840	59,920
Bar Splicers	Each	198	52	250
Concrete Structures	Cu. Yd.		44.8	44.8
Concrete Superstructure	Cu. Yd.	100		100
Protective Coat	Sq. Yd.	228		228
Name Plates	Each	1		1
Micropiles	Each		18	18
Micropile Load Test	Each		1	1
Micropile Proof Load Test	Each		6	6
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	190		190

STATION 6224+77.06  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.I. ROUTE 90/94/290  
 SECTION 2015-018R  
 LOADING HL-93  
 STRUCTURE NO. 016-D006

**NAME PLATE**  
 See Std. 515001

D162A77-SHT-STRUCTSLAB-02



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, TOTAL BILL OF MATERIAL AND FOUNDATION LAYOUT  
 STRUCTURE NO. 016-D006**

SHEET NO. 2 OF 13

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 150
			CONTRACT NO. 62A77	
ILLINOIS FED. AID PROJECT				

**WEST CURB LINE**

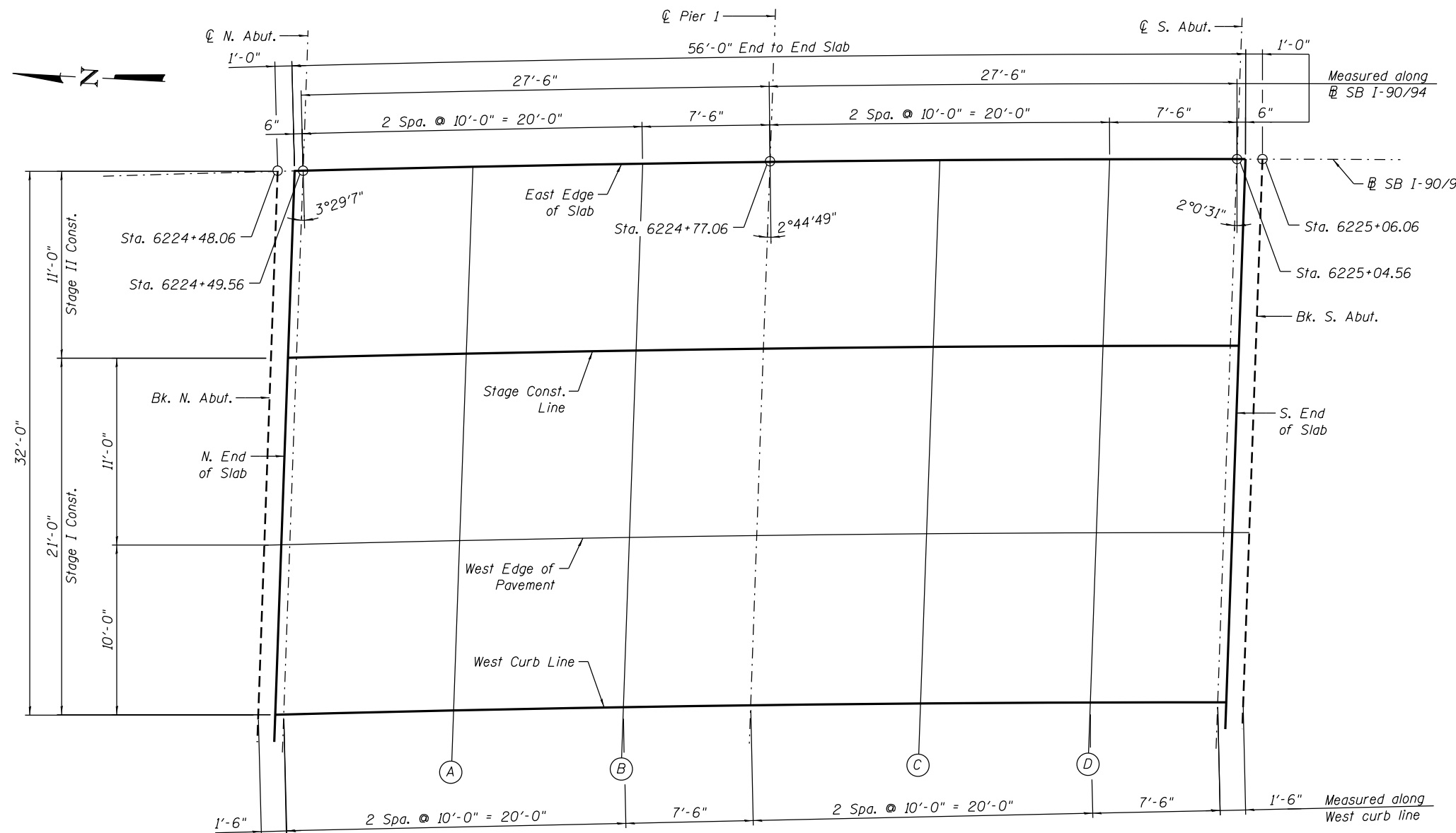
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. End of Slab	6224+47.07	32.00'	574.38	574.38
☉ N. Abut.	6224+47.58	32.00'	574.38	574.38
A	6224+57.73	32.00'	574.30	574.30
B	6224+67.89	32.00'	574.22	574.22
☉ Pier 1	6224+75.50	32.00'	574.16	574.16
C	6224+85.65	32.00'	574.10	574.10
D	6224+95.81	32.00'	574.03	574.03
☉ S. Abut.	6225+03.42	32.00'	573.99	573.99
S. End of Slab	6225+03.93	32.00'	573.99	573.99

**WEST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. End of Slab	6224+47.70	22.00'	574.79	574.79
☉ N. Abut.	6224+48.21	22.00'	574.79	574.79
A	6224+58.31	22.00'	574.71	574.71
B	6224+68.41	22.00'	574.64	574.64
☉ Pier 1	6224+75.99	22.00'	574.58	574.58
C	6224+86.10	22.00'	574.51	574.51
D	6224+96.20	22.00'	574.45	574.45
☉ S. Abut.	6225+03.78	22.00'	574.41	574.41
S. End of Slab	6225+04.29	22.00'	574.41	574.41

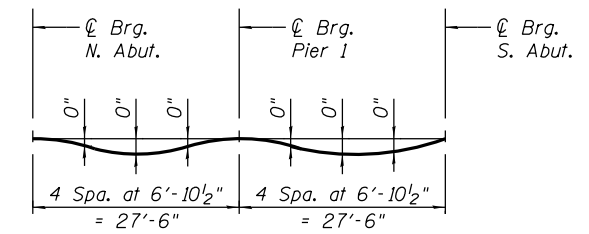
**STAGE CONST. LINE**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. End of Slab	6224+48.38	11.00'	575.25	575.25
☉ N. Abut.	6224+48.89	11.00'	575.25	575.25
A	6224+58.94	11.00'	575.17	575.17
B	6224+68.99	11.00'	575.09	575.09
☉ Pier	6224+76.53	11.00'	575.04	575.04
C	6224+86.58	11.00'	574.97	574.97
D	6224+96.63	11.00'	574.91	574.91
☉ S. Abut.	6225+04.17	11.00'	574.87	574.87
S. End of Slab	6225+05.67	11.00'	574.87	574.87



**EAST EDGE OF SLAB & ☉ SB I-90/94**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
N. End of Slab	6224+49.06	0.00'	575.71	575.71
☉ N. Abut.	6224+49.56	0.00'	575.70	575.70
A	6224+59.56	0.00'	575.63	575.63
B	6224+69.56	0.00'	575.55	575.55
☉ Pier	6224+77.06	0.00'	575.50	575.50
C	6224+87.06	0.00'	575.41	575.41
D	6224+97.06	0.00'	575.37	575.37
☉ S. Abut.	6225+04.56	0.00'	575.33	575.33
S. End of Slab	6225+05.06	0.00'	575.33	575.33



**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete only)

Note:  
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown the tables.

**PLAN**

D162A77-SHT-StructSlab-03



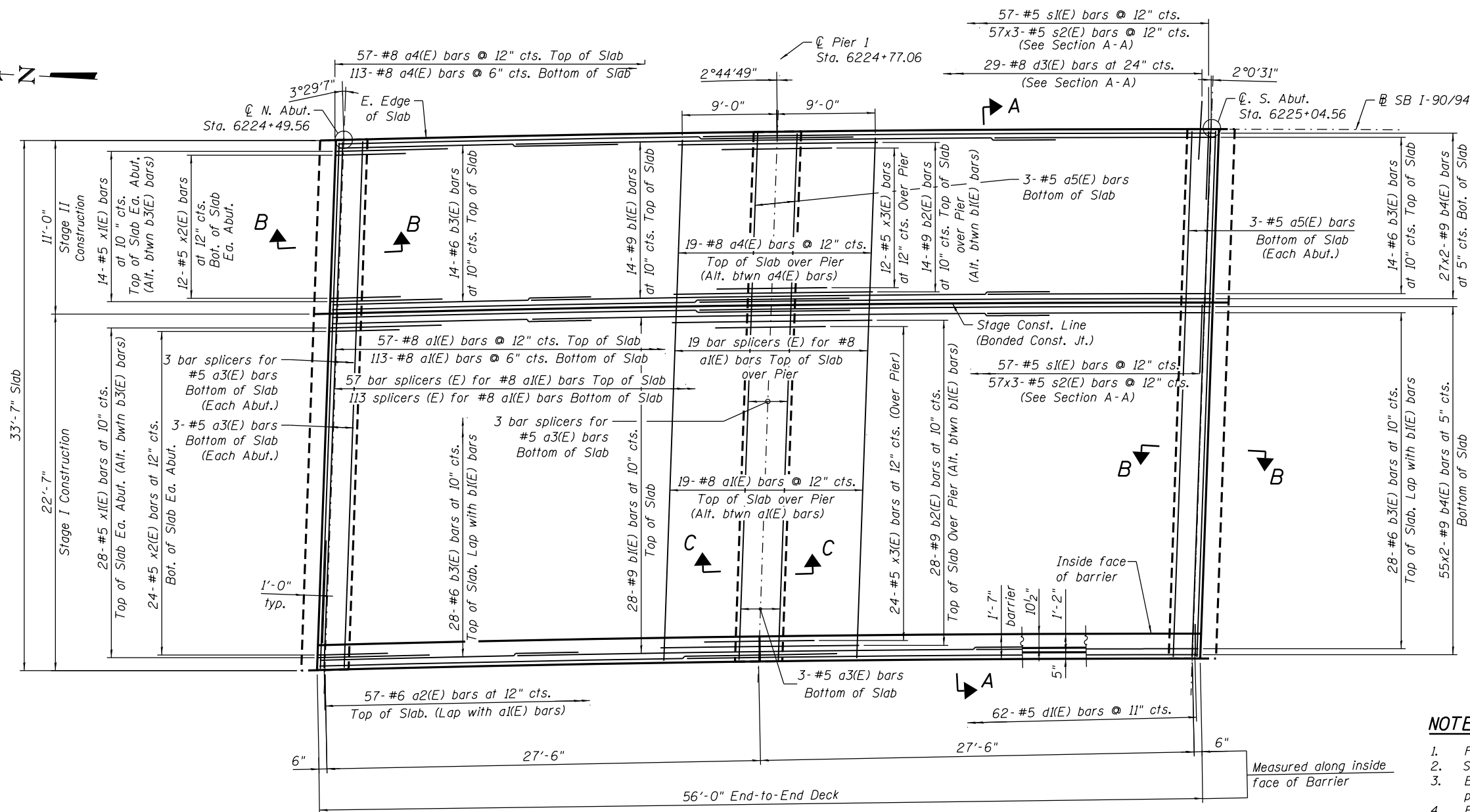
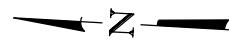
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PLOT SCALE = N.T.S.	DRAWN - ATM	REVISED
PLOT DATE = 1/29/2019	CHECKED - ATB	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 016-D006**

SHEET NO. 3 OF 13

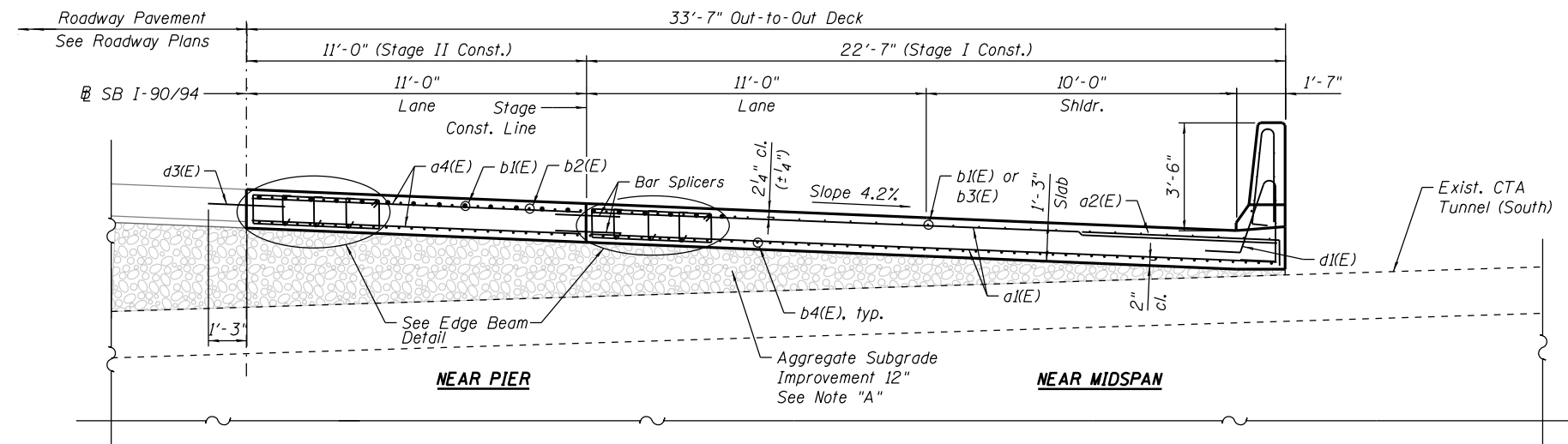
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CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



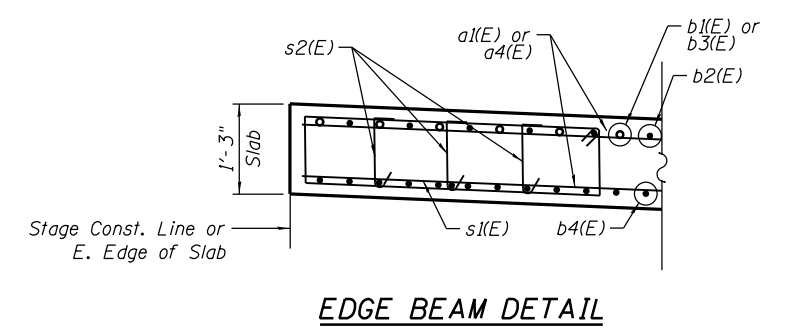
**MINIMUM LAP LENGTH**  
 #6 bar = 4'-0"  
 #9 bar = 9'-8"

- NOTES:**
1. For Section B-B and Section C-C see Sheet 8.
  2. See Sheet 5 for superstructure details and Bill of Material.
  3. Bars indicated 12x7-#5 etc. indicates 12 lines of bars with 7 lengths per line.
  4. Bend longitudinal reinforcement as required to fit in the field.
  5. See Sheet 9 for bar splicers detail.

**PLAN**



**SECTION A-A**  
(Looking Upstation)



**EDGE BEAM DETAIL**

**NOTE "A":**  
 Aggregate Subgrade Improvement 12" shall be per Special Provision Aggregate Subgrade Improvement (D-1). Aggregate lifts shall not be compacted from the bottom of the foundation cap (abutment and pier) elevation to the bottom of slab elevation. Contractor shall exercise extreme caution while placing aggregate subgrade improvement around and on top of existing CTA tunnels. Any damage to the CTA tunnel shall be repaired by the Contractor at no additional cost.

D162A77-SHT-STRUCT/Slab-04



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**SUPERSTRUCTURE**  
**STRUCTURE NO. 016-D006**

SHEET NO. 4 OF 13

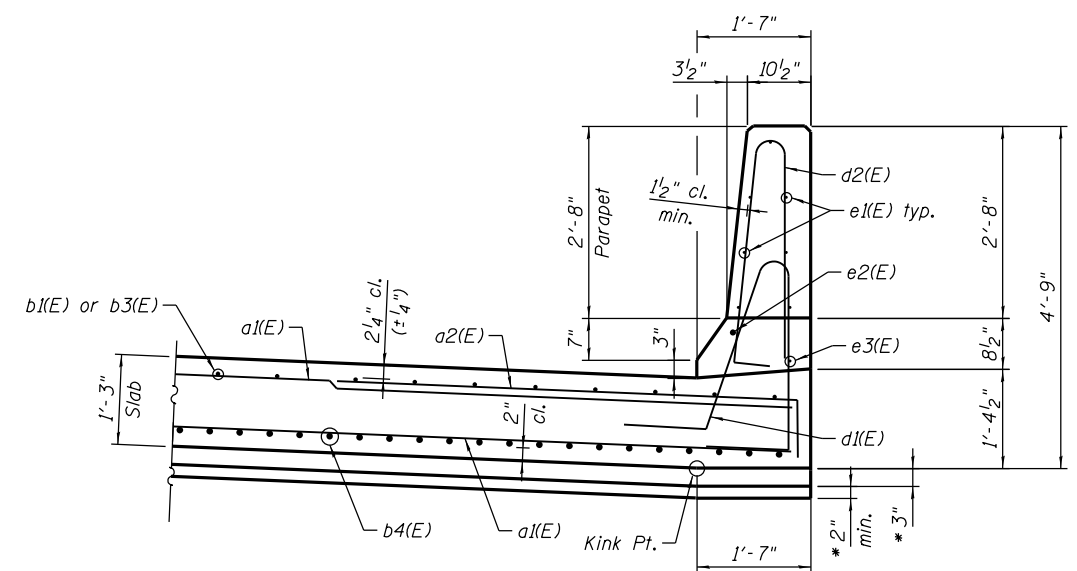
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90/94/290	2015-018R	COOK	1360	152
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

**NOTES:**

1. Work this sheet with sheet 4.
2. The polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.
3. The 1/8" aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.

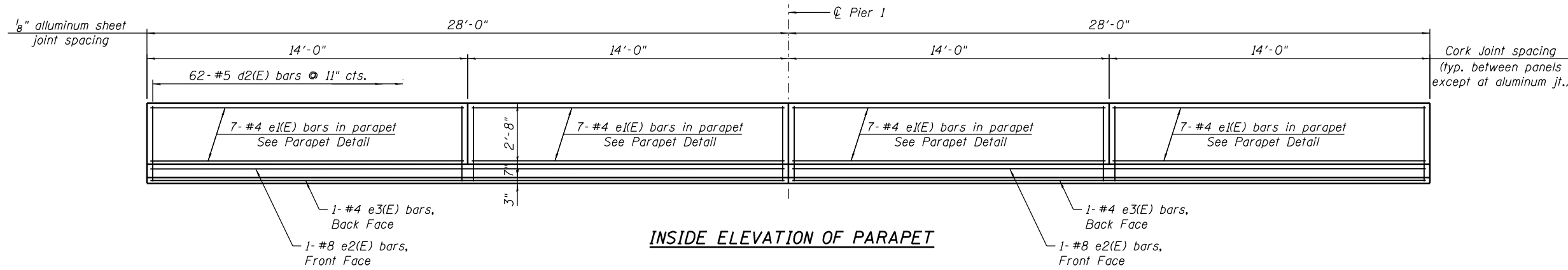
**BILL OF MATERIAL**

Bar No.	Size	Length	Shape
a1(E)	189	#8	22'-3"
a2(E)	57	#6	7'-6"
a3(E)	9	#5	22'-3"
a4(E)	189	#8	10'-8"
a5(E)	9	#5	10'-8"
b1(E)	42	#9	38'-0"
b2(E)	42	#9	18'-0"
b3(E)	84	#6	19'-0"
b4(E)	164	#9	34'-0"
d1(E)	62	#5	7'-9"
d2(E)	62	#5	6'-10"
d3(E)	29	#8	2'-6"
e1(E)	28	#4	13'-9"
e2(E)	2	#8	27'-9"
e3(E)	2	#4	27'-9"
s1(E)	114	#5	10'-8"
s2(E)	342	#5	1'-10"
x1(E)	84	#5	8'-10"
x2(E)	72	#5	6'-8"
x3(E)	36	#5	10'-0"
Reinforcement Bars, Epoxy Coated			Pound 52,080
Concrete Superstructure			Cu. Yd. 100
Bridge Deck grooving (Longitudinal)			Sq. Yd. 190
Protective Coat			Sq. Yd. 228
Aggregate Subgrade Improvement 12"			Sq. Yd. 187

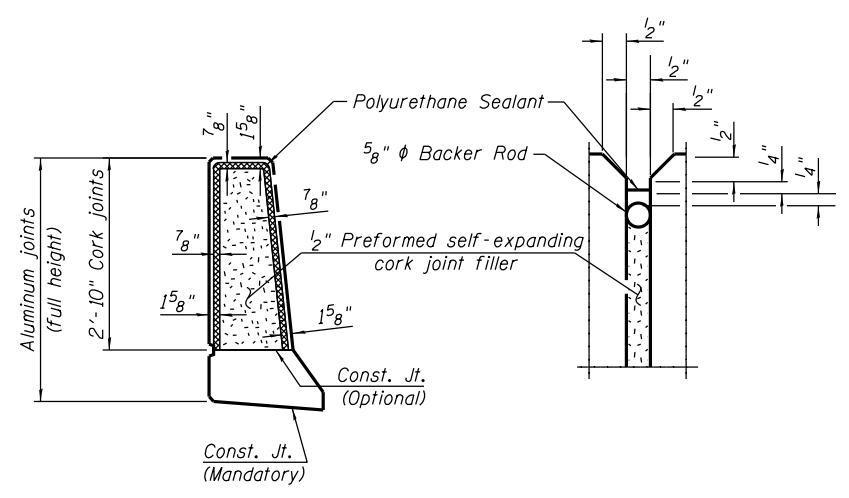


**PARAPET DETAIL**

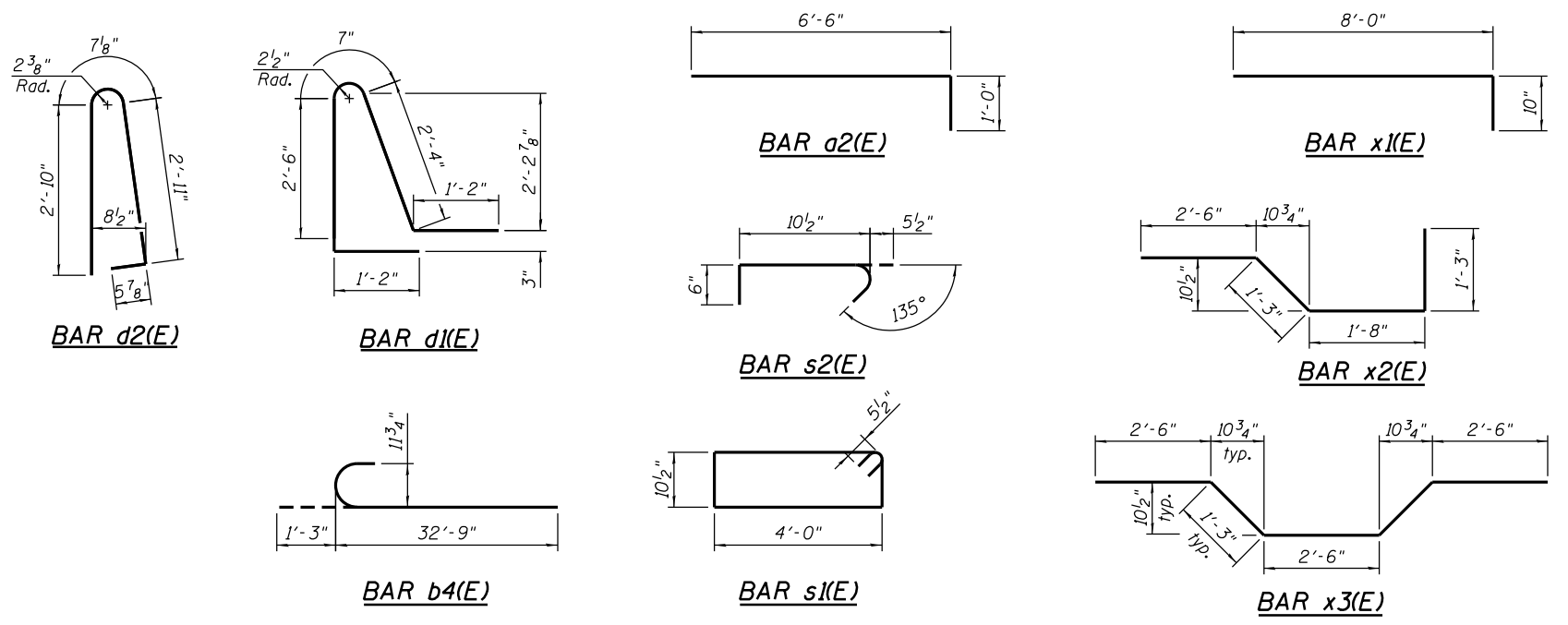
\* Dimensions for Abutments and Pier only



**INSIDE ELEVATION OF PARAPET**



**PARAPET JOINT DETAILS**



D162A77-SHT-STRUCTSlab-05



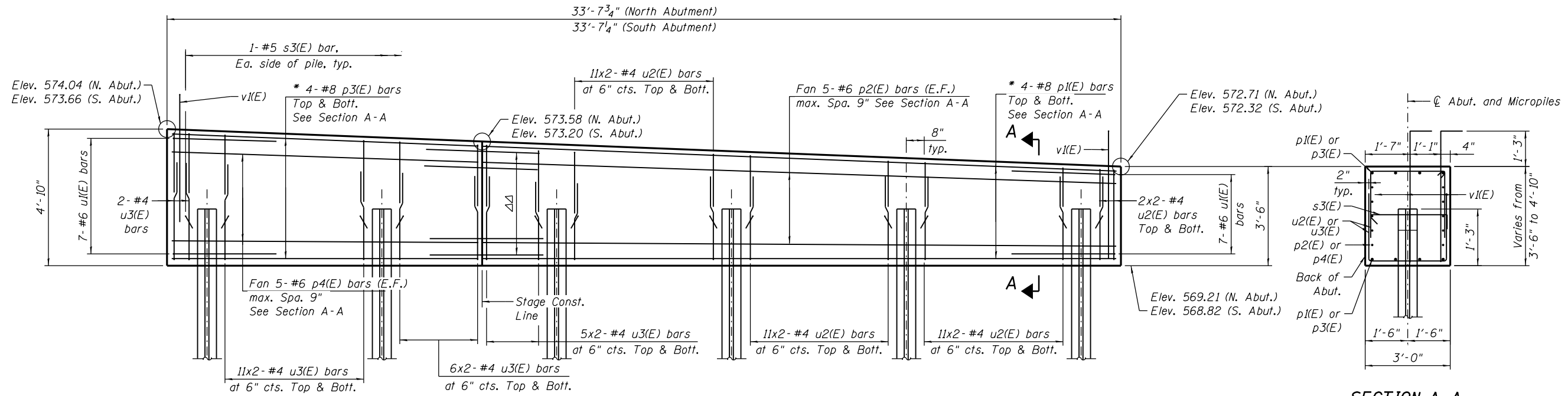
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	CHECKED - ATB	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS  
STRUCTURE NO. 016-D006**

SHEET NO. 5 OF 13

F.A.I. RTE. 90/94/290	SECTION 2015-01BR	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 153
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



**SECTION A-A**

**ELEVATION**

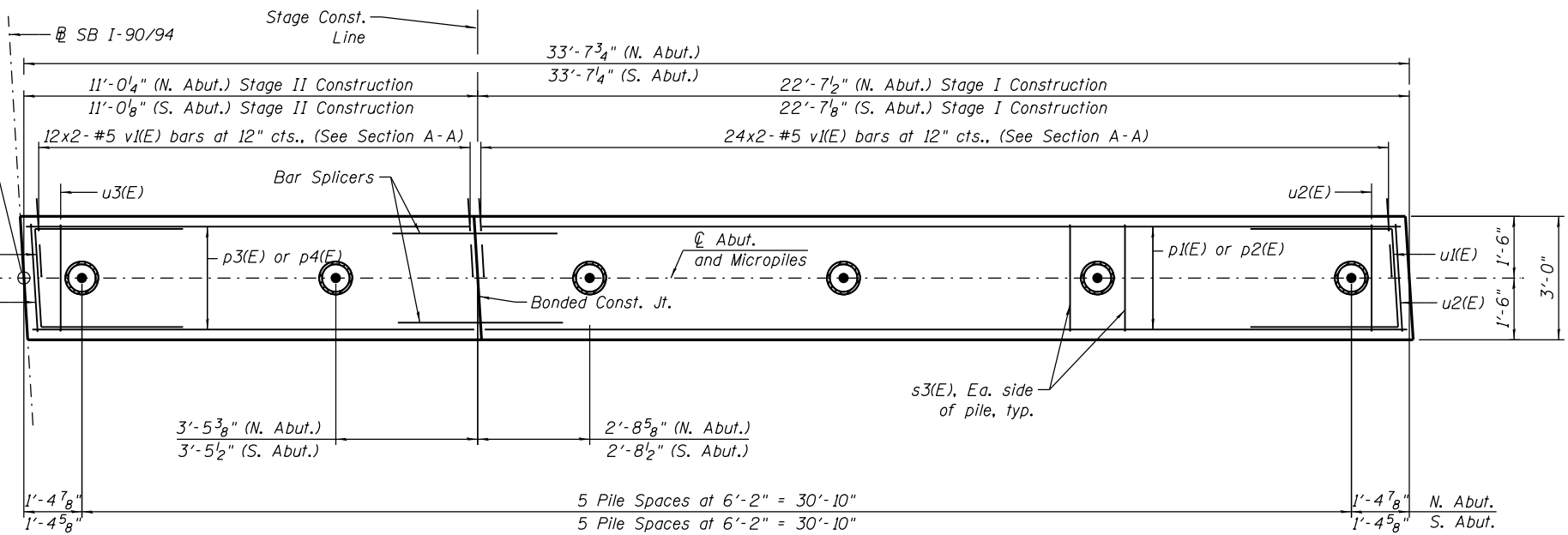
(Looking South)  
 (South Abutment is shown,  
 North Abutment similar)

\* Slope Top Bars  
 $\Delta$  8 bar splicers (E) for #8 p1(E) bars  
 10 bar splicers (E) for #6 p2(E) bars

**BILL OF MATERIAL**

(for North & South Abutment)

Bar	No.	Size	Length	Shape
p1(E)	16	#8	22'-4"	—
p2(E)	20	#6	22'-4"	—
p3(E)	16	#8	10'-8"	—
p4(E)	20	#6	10'-8"	—
s3(E)	24	#5	3'-8"	┌
u1(E)	28	#6	10'-8"	┌
u2(E)	96	#4	8'-10"	┌
u3(E)	140	#4	9'-8"	┌
v1(E)	144	#5	5'-7"	└
Reinforcement Bars, Epoxy Coated			Pound	5,280
Concrete Structures			Cu. Yd.	31.1
Micro-Piles			Each	12
Micropile Proof Load Test			Each	4



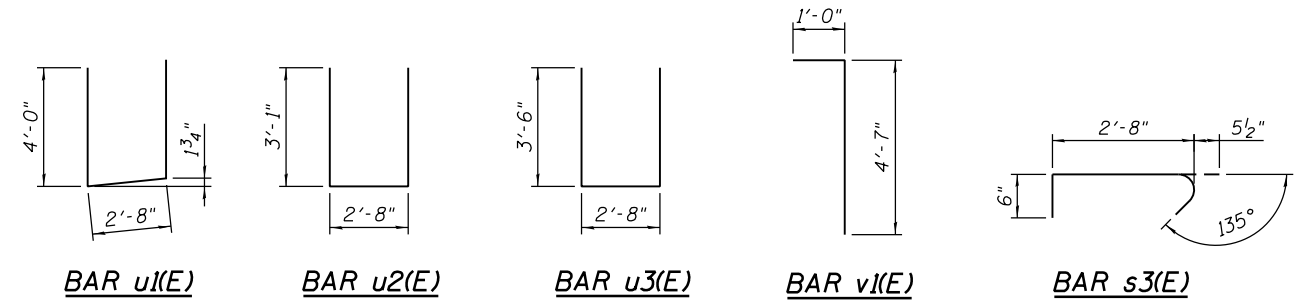
**PLAN**

**NOTES:**

- For details of micropiles see Sheet 8.
- For bar splicer details see Sheet 9.

**MIN. LAP LENGTH**

#4 bars: 2'-7"



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PLOT DATE = 3/4/2020	CHECKED - ATB	REVISED

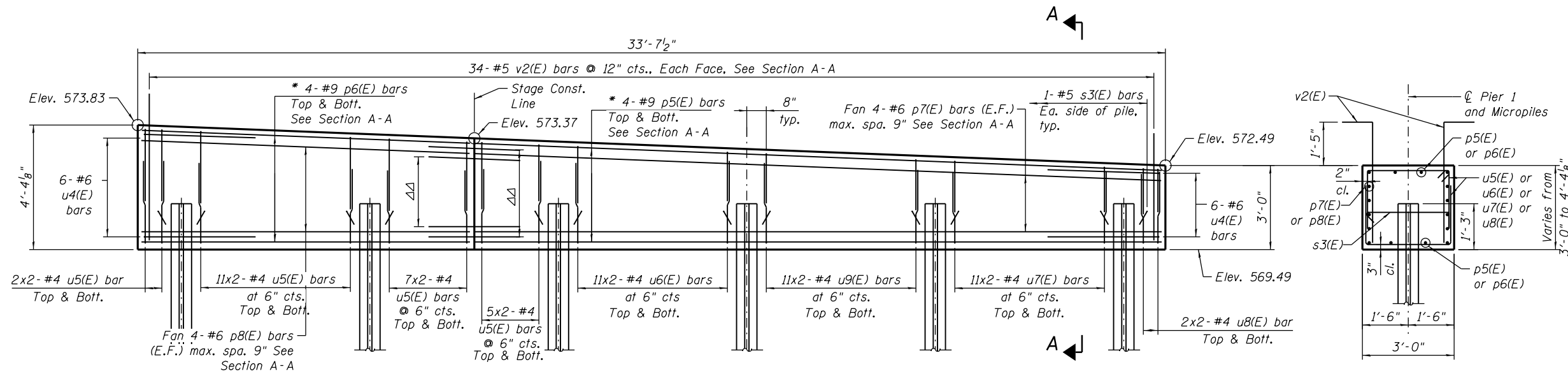
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ABUTMENTS  
 STRUCTURE NO. 016-D006**

SHEET NO. 6 OF 13

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 154
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	

D162A77-SHT-STRUCT/Slab-06



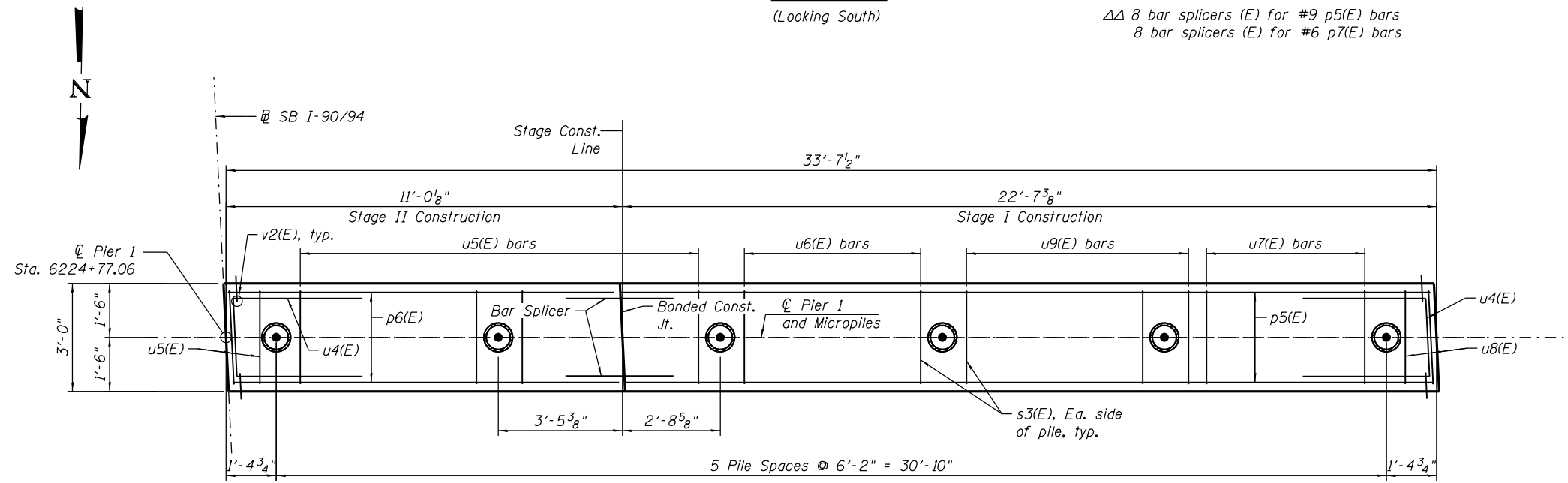
**ELEVATION**  
(Looking South)

\* Slope Top Bars  
 $\Delta\Delta$  8 bar splicers (E) for #9 p5(E) bars  
 8 bar splicers (E) for #6 p7(E) bars

**SECTION A-A**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
p5(E)	8	#9	22'-4"	—
p6(E)	8	#9	10'-8"	—
p7(E)	8	#6	22'-4"	—
p8(E)	8	#6	10'-8"	—
s3(E)	12	#5	3'-8"	└┘
u4(E)	12	#6	10'-8"	└┘
u5(E)	50	#4	9'-4"	└┘
u6(E)	22	#4	8'-8"	└┘
u7(E)	22	#4	8'-2"	└┘
u8(E)	4	#4	8'-0"	└┘
u9(E)	22	#4	8'-4"	└┘
v2(E)	68	#5	5'-2"	└┘
Reinforcement Bars, Epoxy Coated			Pound	2,560
Concrete Structures			Cu. Yd.	13.7
Micro-Piles			Each	6
Micropile Load Test			Each	1
Micropile Proof Load Test			Each	2



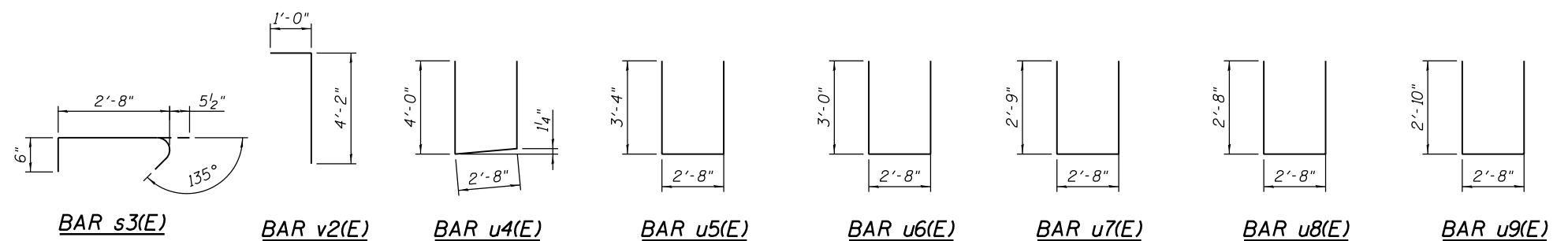
**PLAN**

**MIN. LAP LENGTH**

#4 bars: 2'-7"

**NOTES:**

- For details of Micropiles, see Sheet 8.
- For bar Splicers details, see Sheet 9.



D162A77-SHT-StructSlab-07



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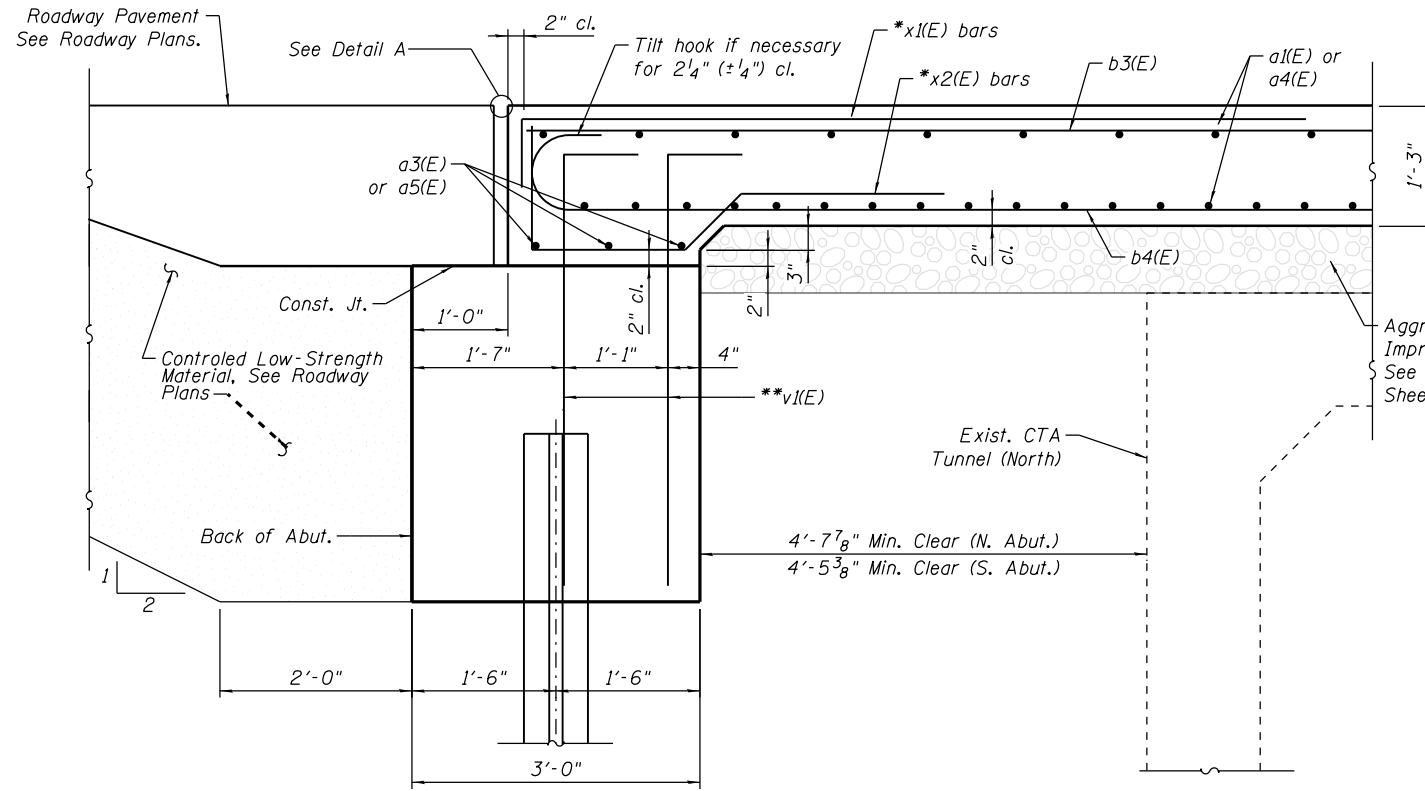
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PIER 1  
STRUCTURE NO. 016-D006

SHEET NO. 7 OF 13

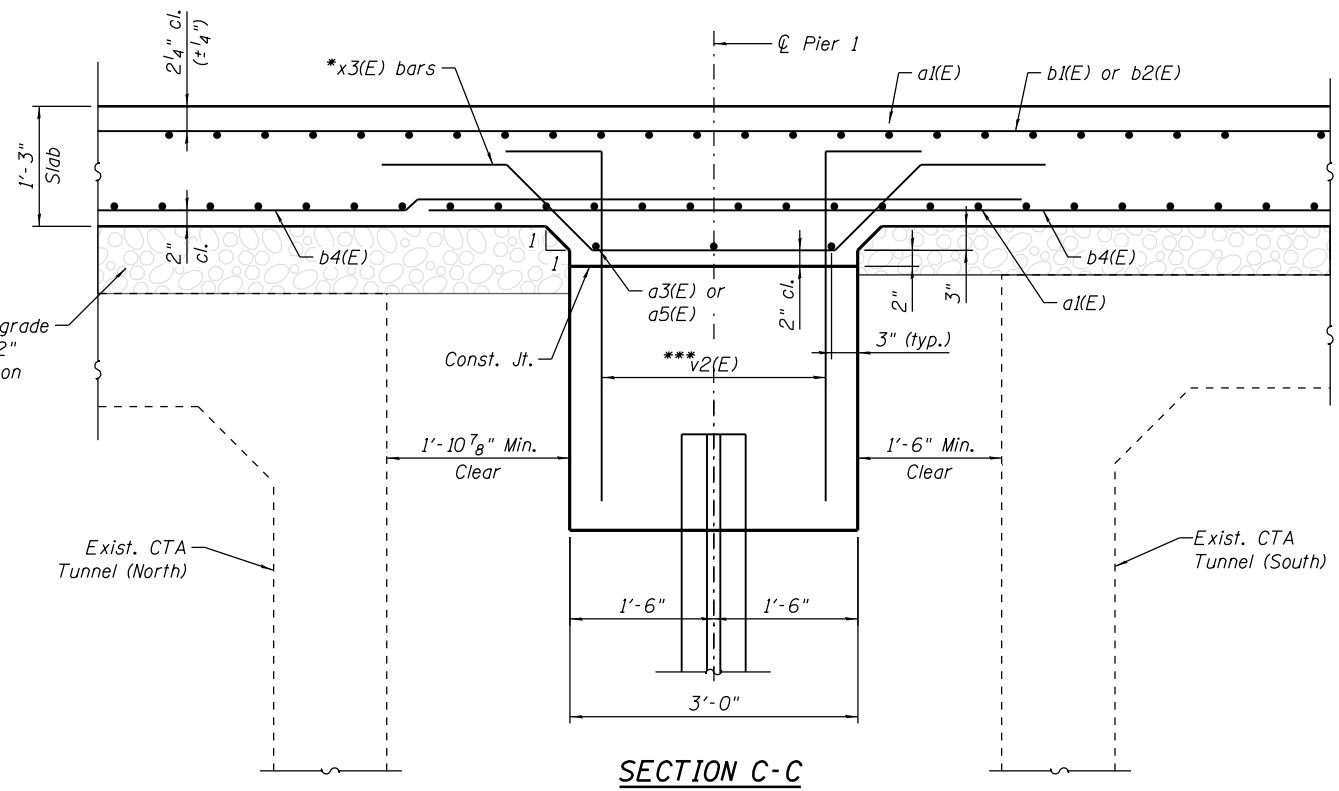
F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 155
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	





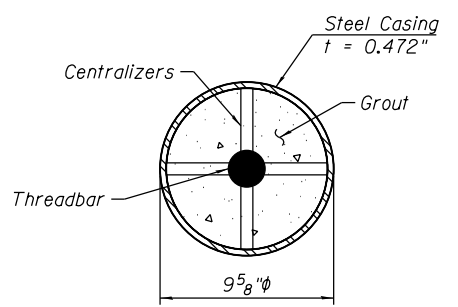
**SECTION B-B**

(North Abutment shown; South Abutment similar)  
 \*Place bars parallel to roadway.  
 \*\*v1(E) bars billed with Abutments.

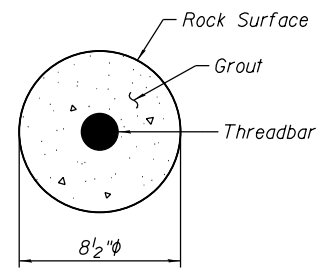


**SECTION C-C**

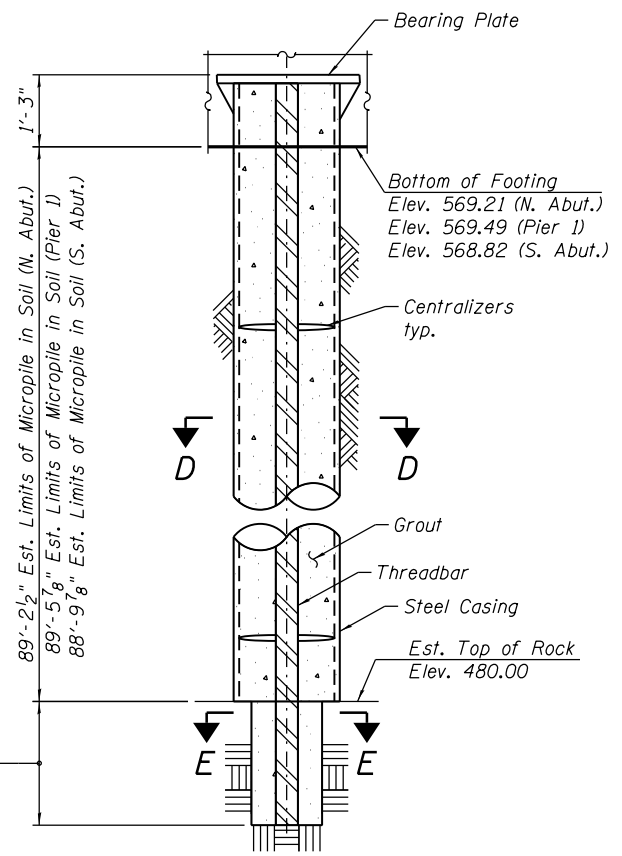
\*Place bars parallel to roadway.  
 \*\*\*v2(E) bars billed with Pier.



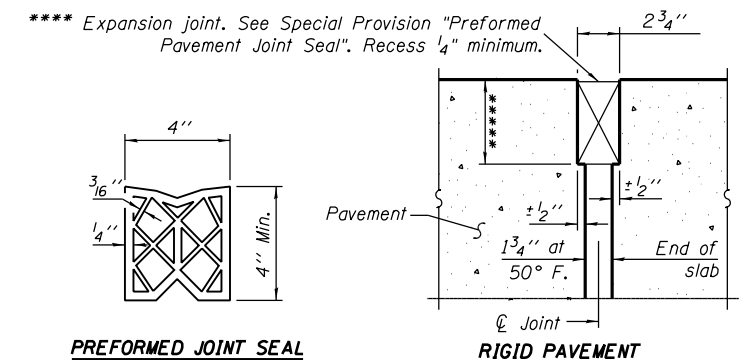
**SECTION D-D**



**SECTION E-E**



**SUGGESTED MICROPILE DETAIL**



**DETAIL A**

\*\*\*\* Cost included with Concrete Superstructure.  
 \*\*\*\* Per manufacturer recommendations

**NOTES:**

1. Suggested Micropile detail is shown. Contractor shall design Micropile per Micropiles Special Provisions.
2. All micropile loads are given at B/Cap level.
3. Micropile types refer to FHWA NHI-05-039: Micropile Design and Construction Reference Manual.
4. See Sheet 4 for the location of Section B-B and Section C-C.

**MICROPILE DATA**

Type and Size: Micropile, Contractor Designed  
 Nominal Required Bearing: Set in Rock  
 Maximum Factored Compression Load : 180 kips  
 Maximum Service Compression Load : 120 kips  
 Estimated Length: 96'-6"  
 Number Required: 18  
 Estimated Top of Rock Elev. : 480.0  
 Estimated Rock Socket Depth: 5'-0"  
 Note: The Factored and Service Loads shall be used for testing requirements according to the Special Provision Micropiles. For test pile and proof test requirements, see special provision.

D162A77-SHT-STRUCTSlab-08



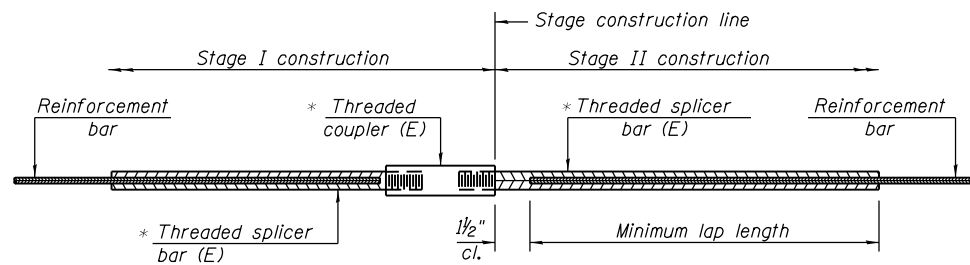
USER NAME = ivano.ipsaropassione	DESIGNED - ATM	REVISED
	CHECKED - ATB	REVISED
PLOT SCALE = N.T.S.	DRAWN - ATM	REVISED
PLOT DATE = 3/4/2020	CHECKED - ATB	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUBSTRUCTURE DETAILS  
 STRUCTURE NO. 016-D006**

SHEET NO. 8 OF 13

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 156
				CONTRACT NO. 62A77
ILLINOIS FED. AID PROJECT				

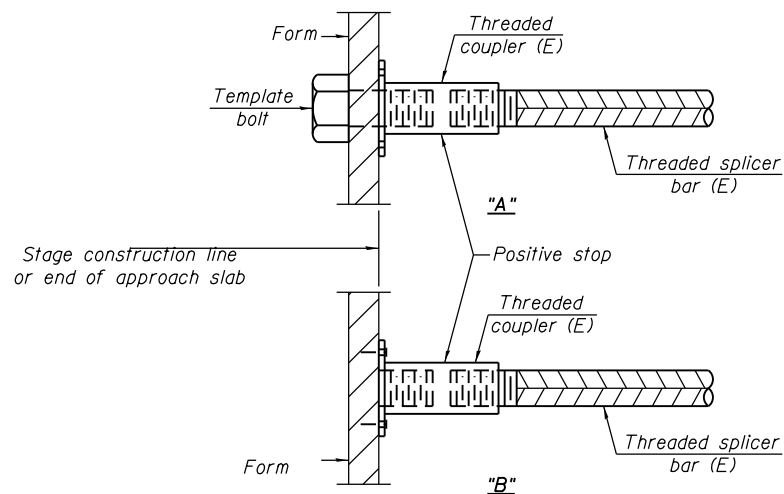


**STANDARD BAR SPLICER ASSEMBLY**

Threaded splicer bar length = min. lap length + 1/2" + thread length

\* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Slab	#8	189	5'-4"
Slab	#5	9	3'-4"
Abutments	#8	16	5'-9"
Abutments	#5	20	3'-7"
Pier	#9	8	7'-1"
Pier	#6	8	4'-4"



**INSTALLATION AND SETTING METHODS**

"A" : Set bar splicer assembly by means of a template bolt.

"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.

**NOTES**

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars. See approved list of bar splicer assemblies and mechanical splicers for alternatives.

Bar splicer assemblies shall be epoxy coated according to requirements for reinforcement bars. See Section 508 of the Standard Specifications.

D162A77-SHT-Bar-Spl-09

BSD-1

2-17-2017



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER DETAILS  
STRUCTURE NO. 016-D006**

SHEET NO. 9 OF 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	156A
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



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### BORING LOG 1704-B-01

WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 588.98 ft  
North: 1897913.67 ft  
East: 1171434.80 ft  
Station: 5155+31.36  
Offset: 19.5036 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Cu (tsf)	Moisture Content (%)
588.08	4-inch thick ASPHALT over 588.08-inch thick CONCRETE --PAVEMENT--														
587.5	6-inch thick CRUSHED STONE --BASE COURSE--														
	Very stiff to hard, gray SILTY CLAY LOAM, trace to little gravel, glass, cinders and brick --FILL--	1	X	1	3 6 9	4.50	12			11	X	11	0 1 1	0.08	27
		2	X	2	8 7 5	2.87	15			12	X	12	0 0 0	0.16	26
		3	X	3	4 7 9	6.64	16			13	X	13	0 0 1	0.25	27
		4	X	4	3 4 4	3.12	18			14	X	14	0 0 2	0.25	24
578.5	Very soft to soft, gray CLAY to SILTY CLAY LOAM, trace gravel --2" coarse SAND--	5	X	5	2 1 1	0.25	27			15	X	15	0 0 2	0.25	29
		6	X	6	0 0 0	0.16	25			16	X	16	2 4 8	2.00	N/6
		7	X	7	0 0 0	0.16	23								
		8	X	8	2 2 2	0.49	18								
		9	X	9	0 0 0	0.33	26								
		10	X	10	0 0 0	0.16	27								
								542.2	Very stiff, gray SILTY CLAY, trace gravel						

#### GENERAL NOTES

Begin Drilling: **10-09-2013** Complete Drilling: **10-09-2013**  
Drilling Contractor: **Wang Testing Services** Drill Rig: **D-50 TMR [78%]**  
Driller: **R&R** Logger: **D. Kolpacki** Checked by: **C. Marin**  
Drilling Method: **3.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

#### WATER LEVEL DATA

While Drilling: **11.50 ft**  
At Completion of Drilling: **96.75 ft**  
Time After Drilling: **NA**  
Depth to Water: **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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### BORING LOG 1704-B-01

WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 588.98 ft  
North: 1897913.67 ft  
East: 1171434.80 ft  
Station: 5155+31.36  
Offset: 19.5036 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Cu (tsf)	Moisture Content (%)
		17	X	17	10 14 18	3.61	14			22	X	22	12 19 25	6.07	16
		18	X	18	5 9 15	3.69	22			23	X	23	16 18 21	5.08	20
		19	X	19	6 7 10	2.21	25			24	X	24	19 50/6"	6.23	11
		20	X	20	5 5 5	2.75	17			25	X	25	35 50/3"	NP	15
		21	X	21	4 9 16	7.05	15			26	X	26	23 33 47	NP	17

#### GENERAL NOTES

Begin Drilling: **10-09-2013** Complete Drilling: **10-09-2013**  
Drilling Contractor: **Wang Testing Services** Drill Rig: **D-50 TMR [78%]**  
Driller: **R&R** Logger: **D. Kolpacki** Checked by: **C. Marin**  
Drilling Method: **3.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

#### WATER LEVEL DATA

While Drilling: **11.50 ft**  
At Completion of Drilling: **96.75 ft**  
Time After Drilling: **NA**  
Depth to Water: **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

#### NOTE:

Boring Log 1704-B-01 along I-90/94  
Sta. 6225+41.18, Offset 106.28 RT.



USER NAME = ivano.ipsaropassione  
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CHECKED - ATB  
PLOT SCALE = N.T.S.  
DRAWN - ATM  
PLOT DATE = 1/29/2019  
CHECKED - ATB

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REVISOR  
REVISOR  
REVISOR

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 1  
STRUCTURE NO. 016-D006

SHEET NO. 10 OF 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	157
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



### BORING LOG 1704-B-01

Page 3 of 3

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WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 588.98 ft  
North: 1897913.67 ft  
East: 1171434.80 ft  
Station: 5155+31.36  
Offset: 19.5036 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
488.0	--%Clay=11.5-- --A-4(0)-- --ROLLER BIT REFUSAL-- --Possible BEDROCK-- Boring terminated at 101.00 ft														

#### GENERAL NOTES

Begin Drilling **10-09-2013** Complete Drilling **10-09-2013**  
 Drilling Contractor **Wang Testing Services** Drill Rig **D-50 TMR [78%]**  
 Driller **R&R** Logger **D. Kolpacki** Checked by **C. Marin**  
 Drilling Method **3.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

#### WATER LEVEL DATA

While Drilling **11.50 ft**  
 At Completion of Drilling **96.75 ft**  
 Time After Drilling **NA**  
 Depth to Water **NA**  
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



### BORING LOG 1704-B-02

Page 1 of 2

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WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 575.24 ft  
North: 1897908.23 ft  
East: 1171582.03 ft  
Station: 5156+77.85  
Offset: 32.3584 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
574.2	12-inch thick ASPHALT --PAVEMENT--														
	Medium dense, brown SANDY GRAVEL --FILL--			1	17 16 10	NP	5					11	3 5 6	0.66 B	24
572.2	Hard, dark gray CLAY LOAM, trace gravel, brick fragments, and cinders --FILL-- 5			2	5 7 8	5.17 B	16					12	1 2 2	0.33 B	26
569.7	Medium stiff to stiff, gray SILTY CLAY, trace gravel			3	3 4 4	1.64 B	20								
567.2	Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel			4	2 2 3	0.49 B	22	541.0	Hard, gray SILTY CLAY, trace gravel			13	2 3 3	1.00 N/6	
				5	0 2 2	0.57 B	22								
				6	0 2 2	0.66 B	25					14	6 9 16	4.35 B	20
				7	0 2 2	0.49 B	25								
				8	0 1 2	0.33 B	26					15	7 14 26	5.41 B	16
				9	0 0 2	0.33 B	26								
				10	0 1 3	0.41 B	25					16	9 17 18	4.84 B	22

#### GENERAL NOTES

Begin Drilling **10-17-2013** Complete Drilling **10-17-2013**  
 Drilling Contractor **Wang Testing Services** Drill Rig **D-50 TMR [78%]**  
 Driller **R&R** Logger **D. Kolpacki** Checked by **C. Marin**  
 Drilling Method **3.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

#### WATER LEVEL DATA

While Drilling **52.50 ft**  
 At Completion of Drilling **82.00 ft**  
 Time After Drilling **NA**  
 Depth to Water **NA**  
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

#### NOTES:

Boring Log 1704-B-01 along @ SB I-90/94 Sta. 6225+41.18, Offset 106.28 RT.

Boring Log 1704-B-02 along @ SB I-90/94 Sta. 6225+48.59, Offset 40.87 LT.



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	CHECKED - ATB	REVISED
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PLOT DATE = 1/29/2019	CHECKED - ATB	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 2  
STRUCTURE NO. 016-D006

SHEET NO. 11 OF 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	158
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



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### BORING LOG 1704-B-02

WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 575.24 ft  
North: 1897908.23 ft  
East: 1171582.03 ft  
Station: 5156+77.85  
Offset: 32.3584 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
523.5	Medium dense, gray, fine SAND --Saturated--	55	17	1 3 7	NP	23		498.5	Dense to very dense, gray SILT to SILTY LOAM --Saturated--	80	22	21 37 48	NP	22	
518.5	Hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	60	18	12 20 30	6.97 S	14		488.5	Hard, gray SILTY CLAY, trace gravel	85	23	17 20 23	NP	21	
508.5	Very dense, gray SILT --Saturated--	65	19	11 16 27	7.13 B	17		482.2	--ROLLER BIT REFUSAL-- --Possible BEDROCK-- Boring terminated at 93.00 ft	90	24	50.4	> 4.50 P	20	
503.5	Hard, gray SILTY CLAY LOAM, trace gravel	70	20	15 19 43	NP	23				95					
		75	21	42 50/5	4.50 P	9				100					

#### GENERAL NOTES

Begin Drilling **10-17-2013** Complete Drilling **10-17-2013**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-50 TMR [78%]**  
Driller **R&N** Logger **D. Kolpacki** Checked by **C. Marin**  
Drilling Method **3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion**

#### WATER LEVEL DATA

While Drilling **52.50 ft**  
At Completion of Drilling **82.00 ft**  
Time After Drilling **NA**  
Depth to Water **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



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### BORING LOG 1705-B-08

WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 573.57 ft  
North: 1898070.84 ft  
East: 1171576.26 ft  
Station: 1830+90.17  
Offset: 36.1195 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
573.25	2.5-inch thick ASPHALT --PAVEMENT--								--S <sub>u remold</sub> = 414.4 psf-- --Sensitivity = 1.75--	7					
572.4	9-inch thick CONCRETE --PAVEMENT--								--In-Situ Vane Shear, 28.0 feet-- --S <sub>u undis</sub> = 595.7 psf-- --S <sub>u remold</sub> = 284.9 psf-- --Sensitivity = 2.09--	11	3 4 4	0.33 B	26		
570.6	Medium dense, brown, CRUSHED STONE --BASE COURSE--									8					
568.1	Stiff, gray SILTY CLAY, trace gravel	30	12	3 6 10	NP	11		544.6	Medium dense, gray LOAM, trace gravel	30	12	3 6 10	NP	11	
	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel	35	13	1 1 2	0.41 B	24		541.8	Very stiff to hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	35	13	3 6 9	2.05 B	20	
	--In-Situ Vane Shear, 10.5 feet-- --S <sub>u undis</sub> = 414.4 psf-- --S <sub>u remold</sub> = 284.9 psf-- --Sensitivity = 1.45--									40	14	9 13 18	3.85 B	13	
	--In-Situ Vane Shear, 13 feet-- --S <sub>u undis</sub> = 466.2 psf-- --S <sub>u remold</sub> = 233.1 psf-- --Sensitivity = 2.00--									45	15	11 17 25	5.33 S	16	
	--In-Situ Vane Shear, 15.5 feet-- --S <sub>u undis</sub> = 518.0 psf-- --S <sub>u remold</sub> = 310.8 psf-- --Sensitivity = 1.66--									50	16	25 27 32	NP	11	
	--In-Situ Vane Shear, 18.0 feet-- --S <sub>u undis</sub> = 984.2 psf-- --S <sub>u remold</sub> = 310.8 psf-- --Sensitivity = 3.16--														
	--In-Situ Vane Shear, 20.5 feet-- --S <sub>u undis</sub> = 984.2 psf-- --S <sub>u remold</sub> = 543.9 psf-- --Sensitivity = 1.81--														
	--In-Situ Vane Shear, 23.0 feet-- --S <sub>u undis</sub> = 1320.9 psf-- --S <sub>u remold</sub> = 725.2 psf-- --Sensitivity = 1.82--														
	--In-Situ Vane Shear, 25.5 feet-- --S <sub>u undis</sub> = 725.2 psf--														

#### GENERAL NOTES

Begin Drilling **09-08-2013** Complete Drilling **09-10-2013**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-25 ATV [93%]**  
Driller **P&N** Logger **D. Kolpacki** Checked by **C. Marin**  
Drilling Method **2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion**

#### WATER LEVEL DATA

While Drilling **groundwater not observed**  
At Completion of Drilling **mud in the borehole**  
Time After Drilling **NA**  
Depth to Water **NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

#### NOTE:

Boring Log 1704-B-02 along @ SB I-90/94 Sta. 6225+48.59, Offset 40.87 LT.

Boring Log 1704-B-08 along @ SB I-90/94 Sta. 6223+88.99, Offset 42.96 LT.



USER NAME = ivano.ipsaropassione  
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PLOT SCALE = N.T.S.  
DRAWN - ATM  
PLOT DATE = 1/29/2019  
CHECKED - ATB

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REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 3  
STRUCTURE NO. 016-D006

SHEET NO. 12 OF 13

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	159
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



# BORING LOG 1705-B-08

Page 2 of 3

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Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 573.57 ft  
North: 1898070.84 ft  
East: 1171576.26 ft  
Station: 1830+90.17  
Offset: 36.1195 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
521.8	Very dense, gray SILT with sand lenses							496.8	Very dense, gray SILT						
518.8	Hard, gray SILTY CLAY, trace gravel	55	X	17	18 25 37	NP	20		--%Gravel=0.0-- --%Sand=1.5-- --%Silt=86.1--80 --%Clay=12.4-- --A-4 (0)--		X	22	36 50/6"	NP	21
		60	X	18	16 24 39	8.12 B	16				X	23	22 50/5"	NP	17
511.8	Very dense, gray SILT --Wet--	65	X	19	20 27 41	NP	22	487.6	DOLOSTONE boulders --Run 1 - RECOVERY= 66%-- --RQD= 47%-- 89.0ft-Qu=8880 psi -->						
506.8	Very dense, gray SILTY LOAM, trace gravel	70	X	20	50/6"	NP	14		--3-inch thick SILTY LOAM, trace gravel--						
		75	X	21	50/6"	NP	12	479.1	Strong, fair rock quality, light gray, fresh, joint breaks with little to no infill, slightly vuggy DOLOSTONE 95.5ft-Qu=9380 psi --> --Run 2 - RECOVERY= 94%-- --RQD= 72%-- 98.5ft-Qu=9080 psi -->						

### GENERAL NOTES

Begin Drilling **09-08-2013** Complete Drilling **09-10-2013**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-25 ATV [93%]**  
Driller **P&N** Logger **D. Kolpacki** Checked by **C. Marin**  
Drilling Method **2.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

### WATER LEVEL DATA

While Drilling **groundwater not observed**  
At Completion of Drilling **▼ mud in the borehole**  
Time After Drilling **NA**  
Depth to Water **▼ NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.



# BORING LOG 1705-B-08

Page 3 of 3

wangeng@wangeng.com  
1145 N Main Street  
Lombard, Illinois 60148  
Telephone: 630-953-9928  
Fax: 630-953-9938

Client: **AECOM**  
Project: **Jane Byrne Interchange**  
Location: **Section 16, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 573.57 ft  
North: 1898070.84 ft  
East: 1171576.26 ft  
Station: 1830+90.17  
Offset: 36.1195 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	102.5ft-Qu=9750 psi -->														
	--Run 3 - RECOVERY= 100%-- --RQD= 65%--	105		3											
	106.5ft-Qu=7500 psi -->														
465.1	Boring terminated at 108.50 ft	110													
		115													
		120													
		125													

### GENERAL NOTES

Begin Drilling **09-08-2013** Complete Drilling **09-10-2013**  
Drilling Contractor **Wang Testing Services** Drill Rig **D-25 ATV [93%]**  
Driller **P&N** Logger **D. Kolpacki** Checked by **C. Marin**  
Drilling Method **2.25" HSA to 10', mud rotary thereafter, boring**  
**backfilled upon completion**

### WATER LEVEL DATA

While Drilling **groundwater not observed**  
At Completion of Drilling **▼ mud in the borehole**  
Time After Drilling **NA**  
Depth to Water **▼ NA**  
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

### NOTE:

Boring Log 1704-B-08 along @ SB I-90/94 Sta. 6223+88.99, Offset 42.96 LT.



USER NAME = ivano.ipsaropassione  
DESIGNED - ATM  
CHECKED - ATB  
DRAWN - ATM  
PLOT DATE = 1/29/2019

DESIGNED - ATM  
CHECKED - ATB  
DRAWN - ATM  
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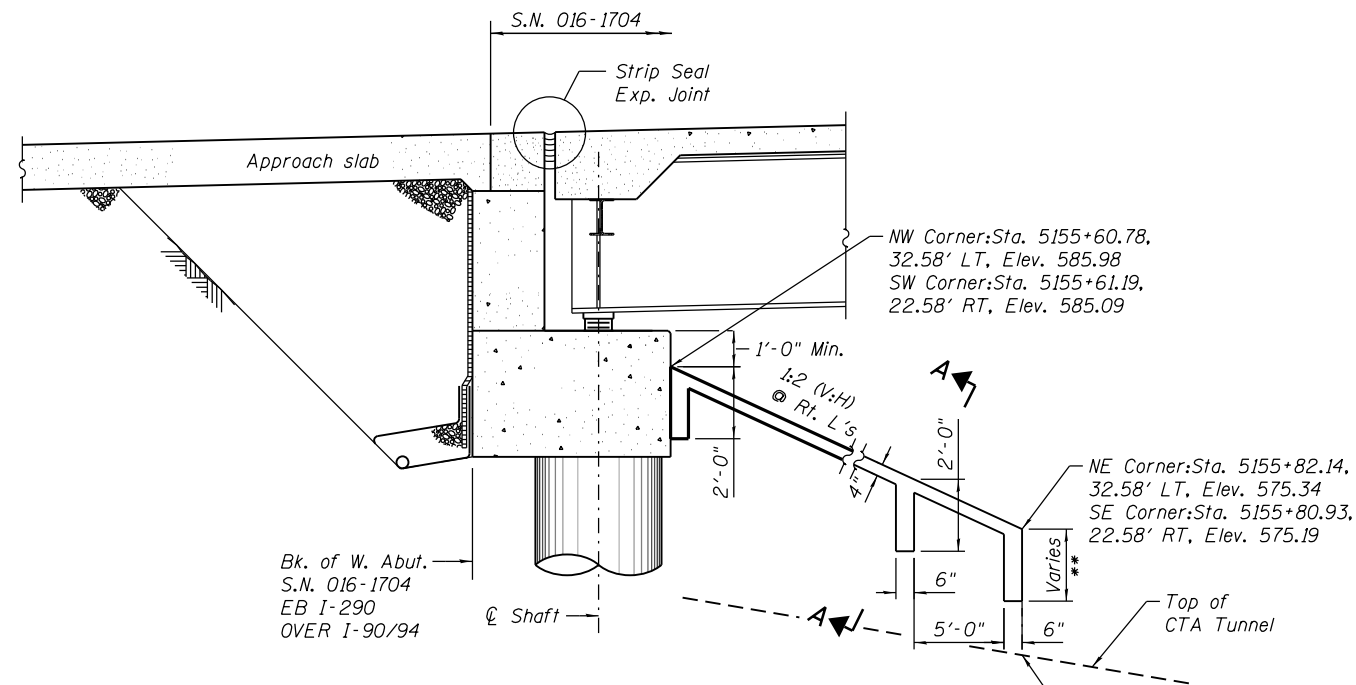
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 4  
STRUCTURE NO. 016-D006

SHEET NO. 13 OF 13

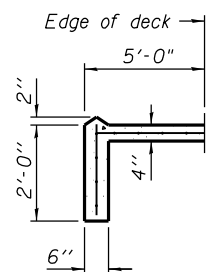
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90/94/290	2015-018R	COOK	1360	160
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



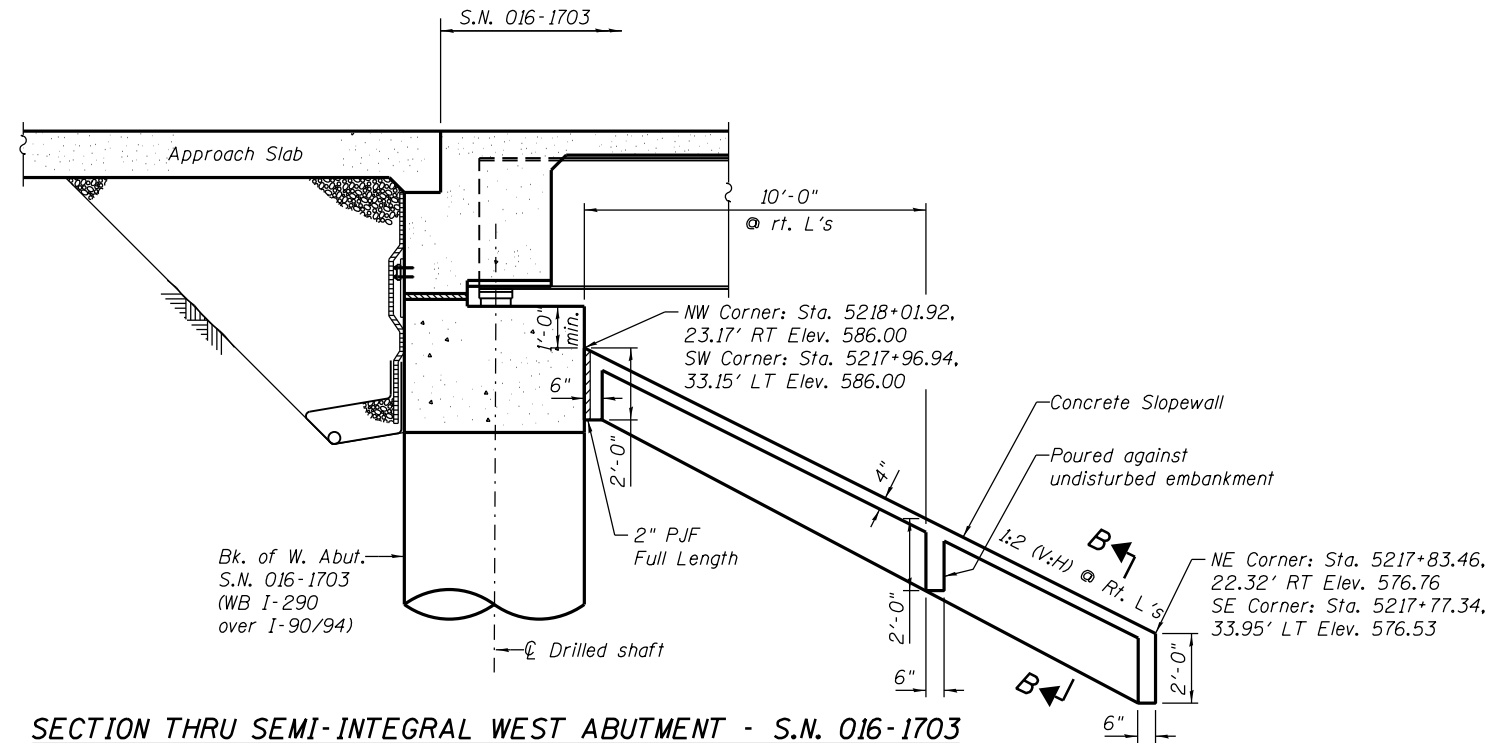
**SECTION THRU WEST ABUTMENT - S.N. 016-1704**

(Horiz. Dims. @ Rt. L's to C/Brg.)

\*\* Depth of slopewall footing varies  
 1'-6" from Sta. 5155+82.14, 32.58' LT to Sta. 5155+81.81, 19.72' LT  
 2'-0" from Sta. 5155+81.81, 19.72' LT to Sta. 5155+80.93, 22.58' RT

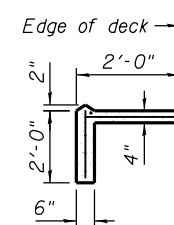


**SECTION A-A**



**SECTION THRU SEMI-INTEGRAL WEST ABUTMENT - S.N. 016-1703**

(Horiz. dim. @ Rt. L's)



**SECTION B-B**

Notes:  
 Slope wall shall be reinforced with welded wire fabric, 6 in. x 6 in.  
 W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

**BILL OF MATERIAL**

Item	Unit	Total
Slope Wall 4"	Sq. Yd.	315

D162A77-SHT-Slope Wall Details



USER NAME = FloresG	DESIGNED - OP	REVISED
	CHECKED - ATB	REVISED
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PLOT DATE = 3/4/2020	CHECKED - ATB	REVISED

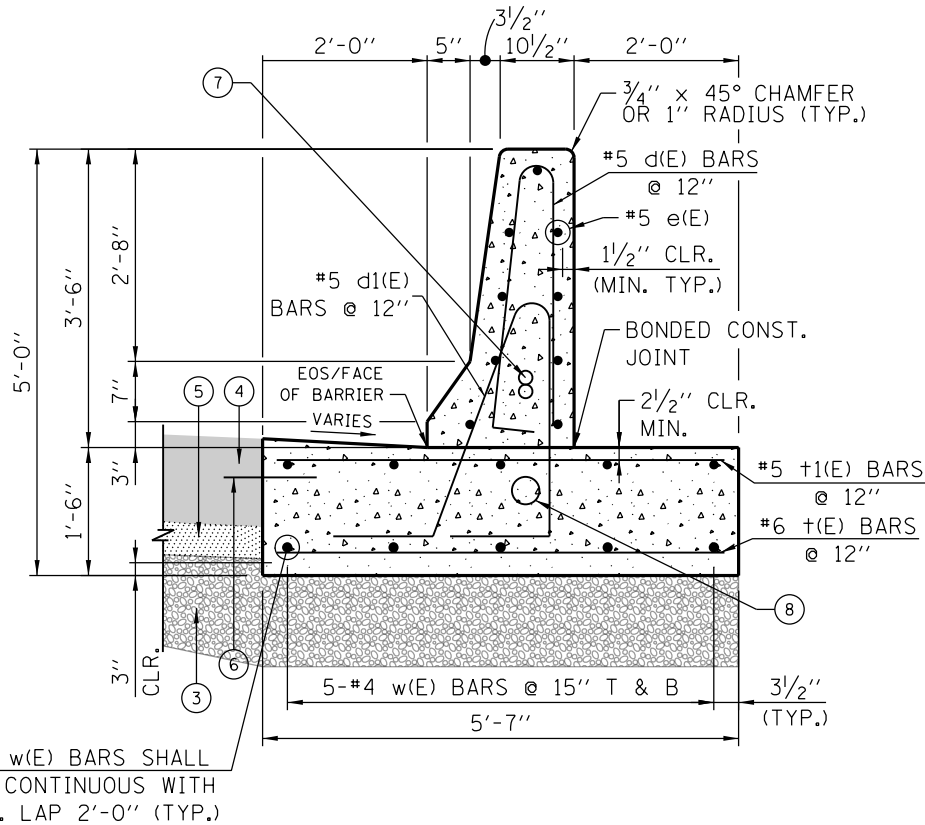
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SLOPE WALL DETAILS**

SHEET NO. 1 OF 1

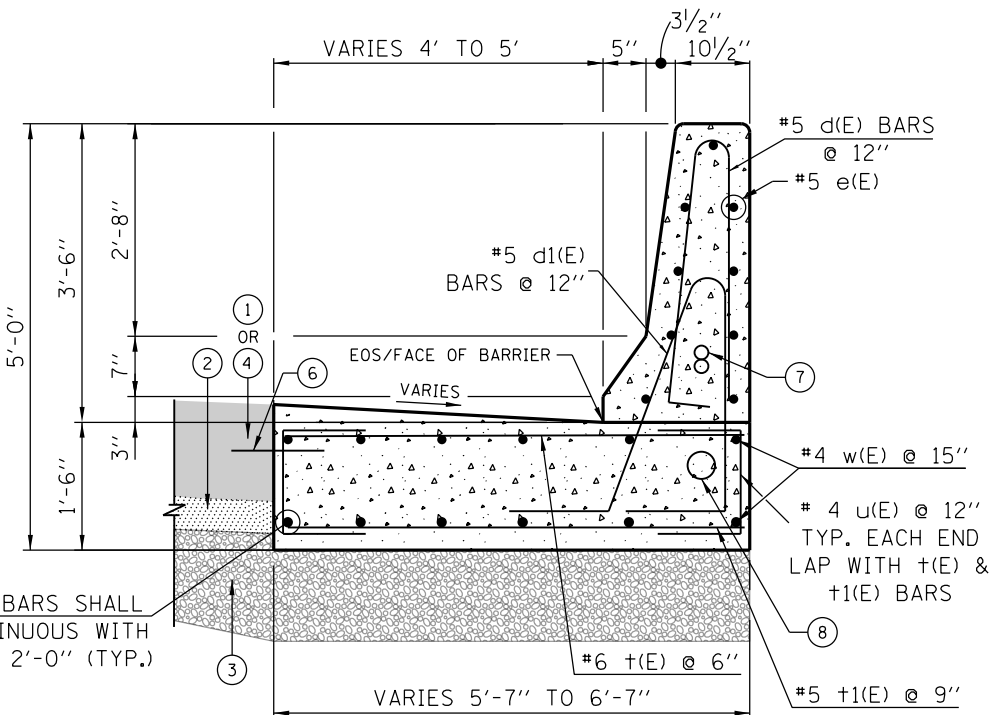
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90/94/290	2015-018R	COOK	1360	161
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	

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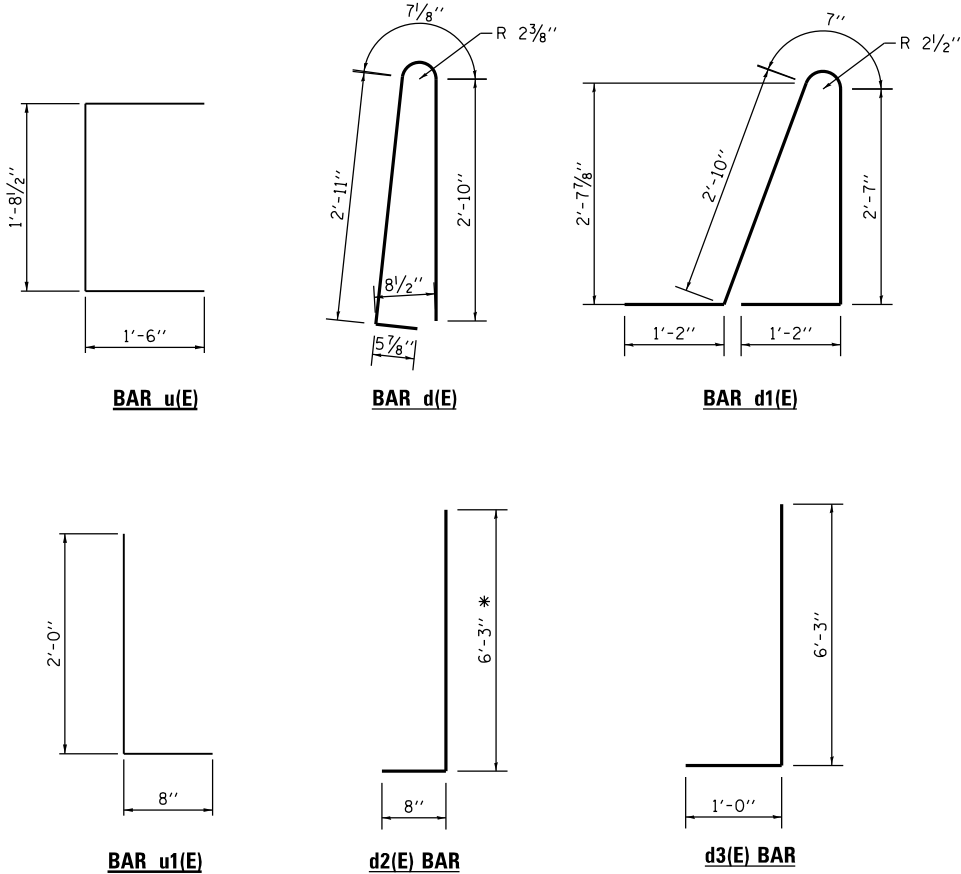
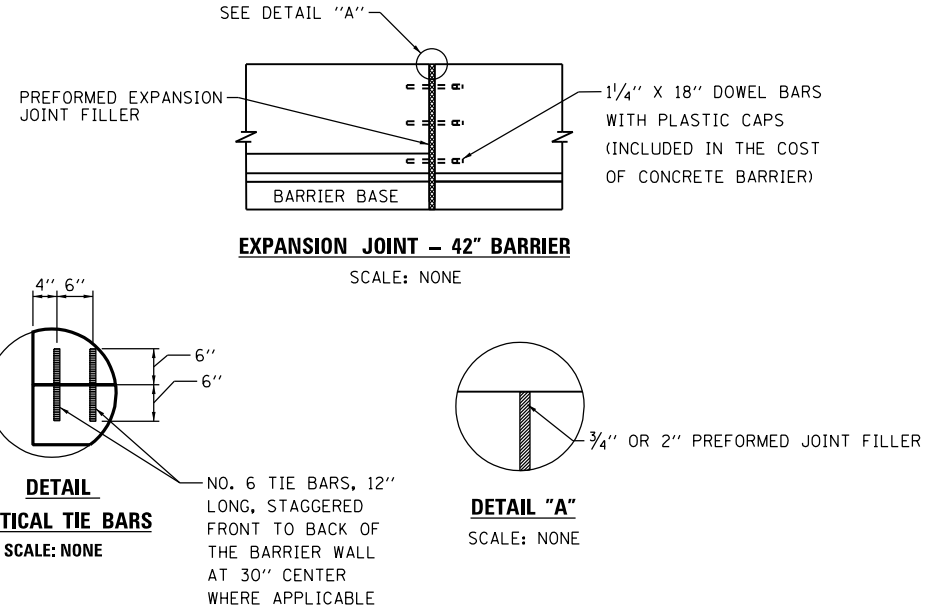
#4 w(E) BARS SHALL BE CONTINUOUS WITH MIN. LAP 2'-0" (TYP.)

**CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 1)**



#4 w(E) BARS SHALL BE CONTINUOUS WITH MIN. LAP 2'-0" (TYP.)

**CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 2)**



**BAR BENDING DIAGRAMS**  
\* CUT TO FIT IN FIELD. MAINTAIN 2" CLR.

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) 11" OR 12 1/2"
  - ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ PORTLAND CEMENT CONCRETE SHOULDERS 11" OR 12 1/2"
  - ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑥ EPOXY COATED TIE BARS, NO. 8, 2'-6" LONG @ 2'-0" C-C (ADJACENT TO PCC PAVEMENT OR SHOULDER) INCLUDED IN THE COST OF CONCRETE BARRIER BASE OF VARIOUS TYPES
  - ⑦ 2-2" DIAMETER CONDUITS IN BARRIER, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS
  - ⑧ 1-4" DIAMETER CONDUIT, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS

- NOTES:**
1. TOP SHOULDER EDGE OF BARRIER BASE GUTTER SHALL MATCH THE TOP OF SHOULDER ELEVATION.
  2. 1" DEEP CONTRACTION JOINTS SHALL BE CONSTRUCTED IN BOTH THE REINFORCED CONCRETE BARRIER WALL AND BASE.
  3. THE FORMING OF CONTRACTION JOINTS SHALL BE DONE WITH AN APPROVED FINISHING TOOL OR BY SAWING AT THE DISCRETION OF THE ENGINEER SUBJECT TO THE SATISFACTORY CONTROL OF CRACKING.
  4. REINFORCING BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
  5. REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", ACI 315, LATEST EDITION.
  6. EXPANSION JOINTS SHOWN ON THIS DRAWING SHALL BE PREFORMED JOINT MATERIAL (BITUMINOUS TYPE) FILLER AND SHALL MEET AASHTO DESIGNATION M-33.
  7. CONCRETE, REINFORCEMENT BARS, TIE BARS, DOWEL BARS, AND PREFORMED JOINT FILLER DETAILED HEREIN SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER PAY ITEMS UNLESS OTHERWISE NOTED. AGGREGATE SUBGRADE, CONDUITS, BARRIER WALL REFLECTORS, AND PROTECTIVE COAT ARE PAID FOR SEPARATELY.
  8. PREFORMED JOINT FILLER SHALL BE INCLUDED IN THE COST OF THE VARIOUS CONCRETE BARRIER WALL PAY ITEMS.
  9. JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH ARTICLE 637.08 OF THE STANDARD SPECIFICATIONS
  10. TWO VERTICAL EPOXY COATED, NO. 6 TIE BARS, 12" LONG, SHALL BE PLACED STAGGERED FRONT TO BACK OF THE BARRIER WALL AT 30" CENTERS ALONG THE CONCRETE BARRIER. TIE BARS SHALL BE INCLUDED IN THE COST OF CONCRETE BARRIERS.
  11. EXPANSION JOINTS SHALL BE CONSTRUCTED IN BARRIER WALL AT MAXIMUM JOINT SPACING OF 90 FEET.
  12. VERTICAL TIE BARS ARE REQUIRED WHEN CONCRETE BARRIER AND CONCRETE BARRIER BASE ARE NOT POURED MONOLITHICALLY.
  13. FOR SUPERELEVATION SECTIONS, 1'-6" BARRIER BASE THICKNESS SHALL BE MAINTAINED FOR CONCRETE BARRIER BASE.
  14. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.



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PLOT DATE = 3/10/2020

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DRAWN - OPS  
CHECKED - MJE  
DATE - 3/4/2020

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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

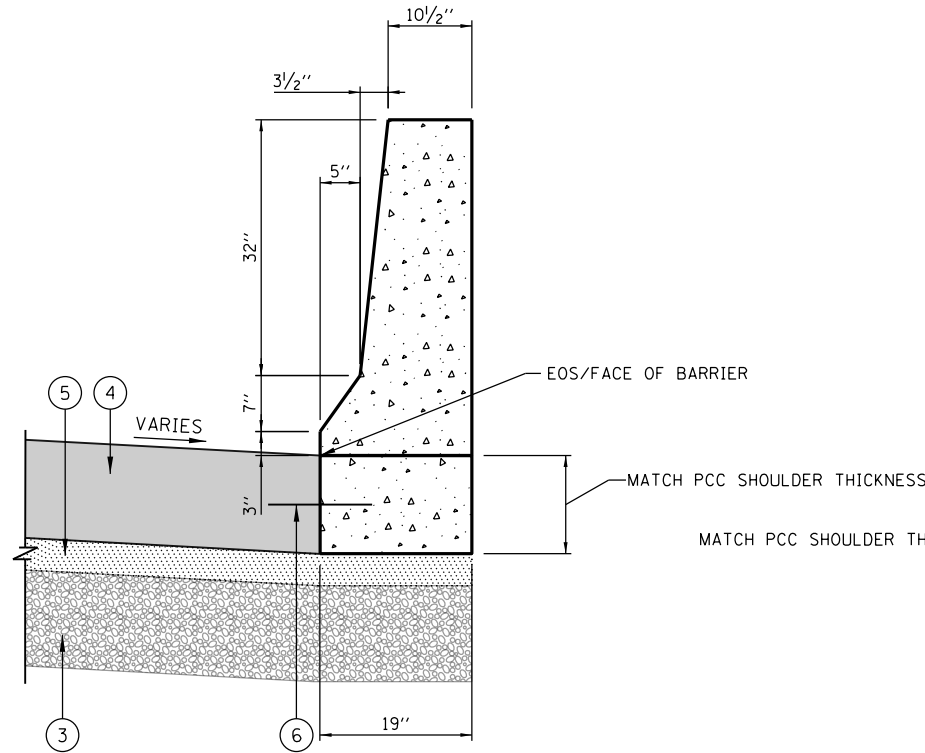
CONCRETE BARRIERS DETAILS

SCALE: NONE SHEET 1 OF 43 SHEETS STA. TO STA.

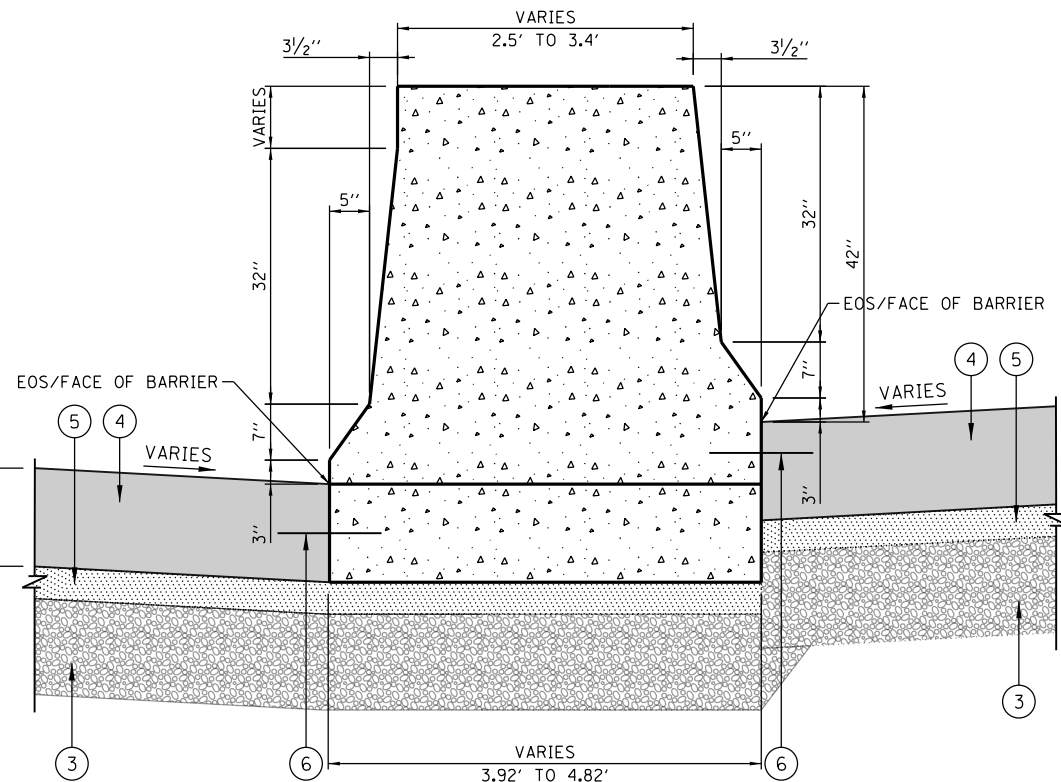
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90/94/290	2015-018R	COOK	1360	162
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



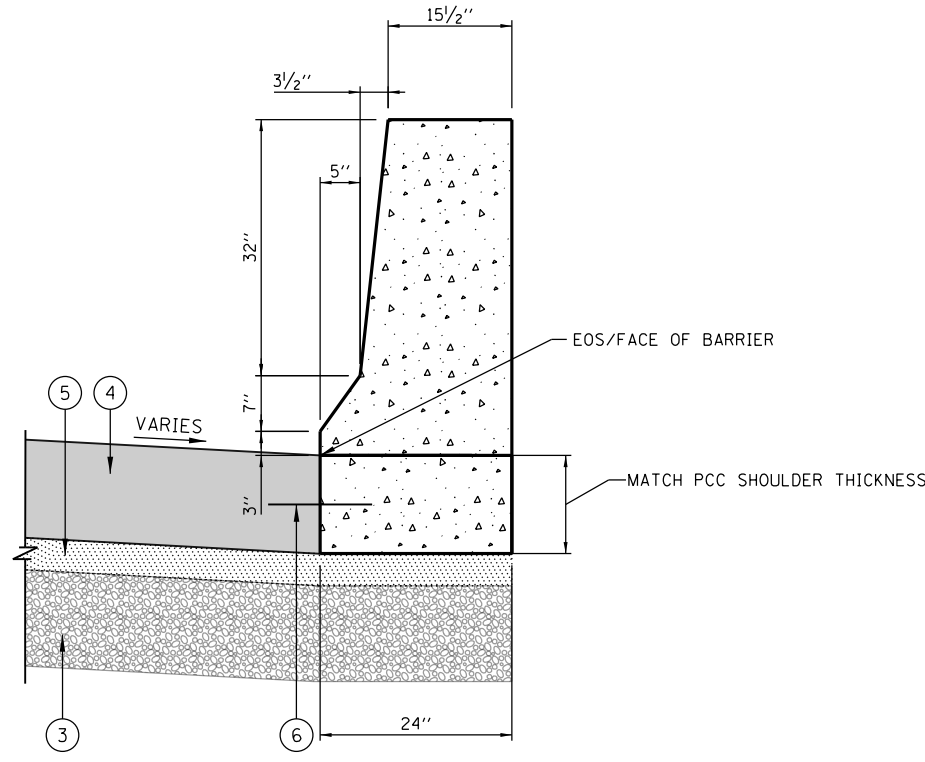
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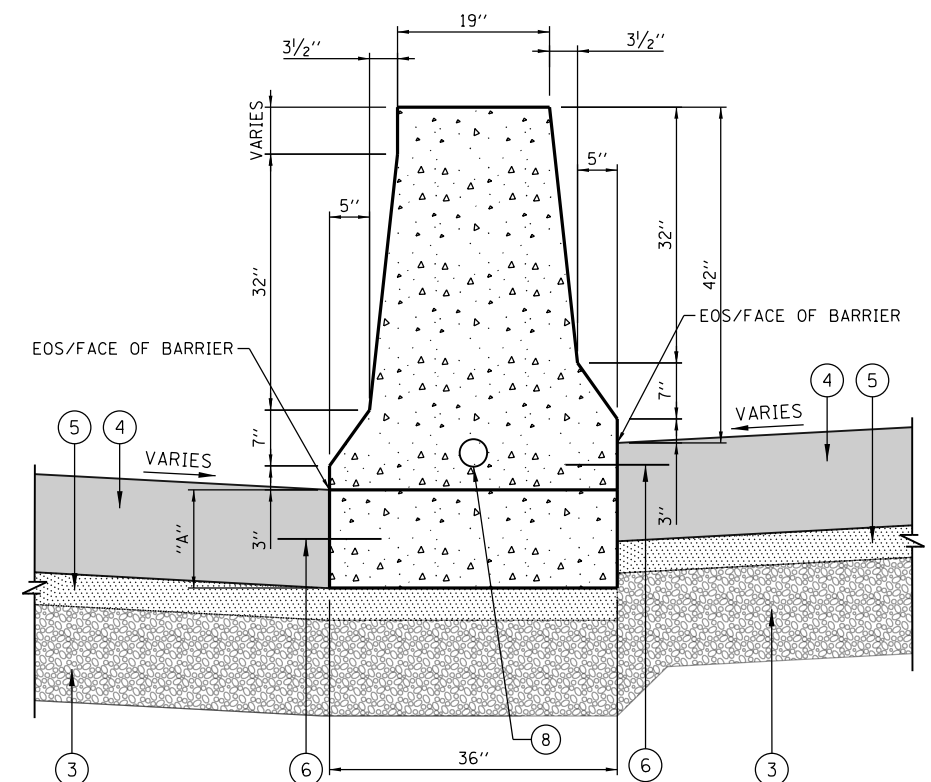
**CONCRETE BARRIER WALL (SPECIAL NO. 1)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 3)**



**CONCRETE BARRIER, VARIABLE CROSS SECTION 42 INCH HEIGHT**  
**CONCRETE BARRIER BASE (SPECIAL NO. 5)**



**CONCRETE BARRIER WALL (SPECIAL NO. 2)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 4)**



**CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 6)**

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) 11" OR 12 1/2"
  - ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ PORTLAND CEMENT CONCRETE SHOULDERS 11" OR 12 1/2"
  - ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑥ EPOXY COATED TIE BARS, NO. 8, 2'-6" LONG @ 2'-0" C-C (ADJACENT TO PCC PAVEMENT OR SHOULDER) INCLUDED IN THE COST OF CONCRETE BARRIER BASE OF VARIOUS TYPES
  - ⑦ 2-2" DIAMETER CONDUITS IN BARRIER, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS
  - ⑧ 1-4" DIAMETER CONDUIT, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS

- NOTES:**
1. SEE BARRIER DETAIL SHEET 162 FOR ADDITIONAL DIMENSIONS AND NOTES.
  2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING BARRIER DIMENSIONS AT ALL TRANSITION TIE-INS PRIOR TO INSTALLING THE CONCRETE BARRIER TRANSITION SEGMENTS.



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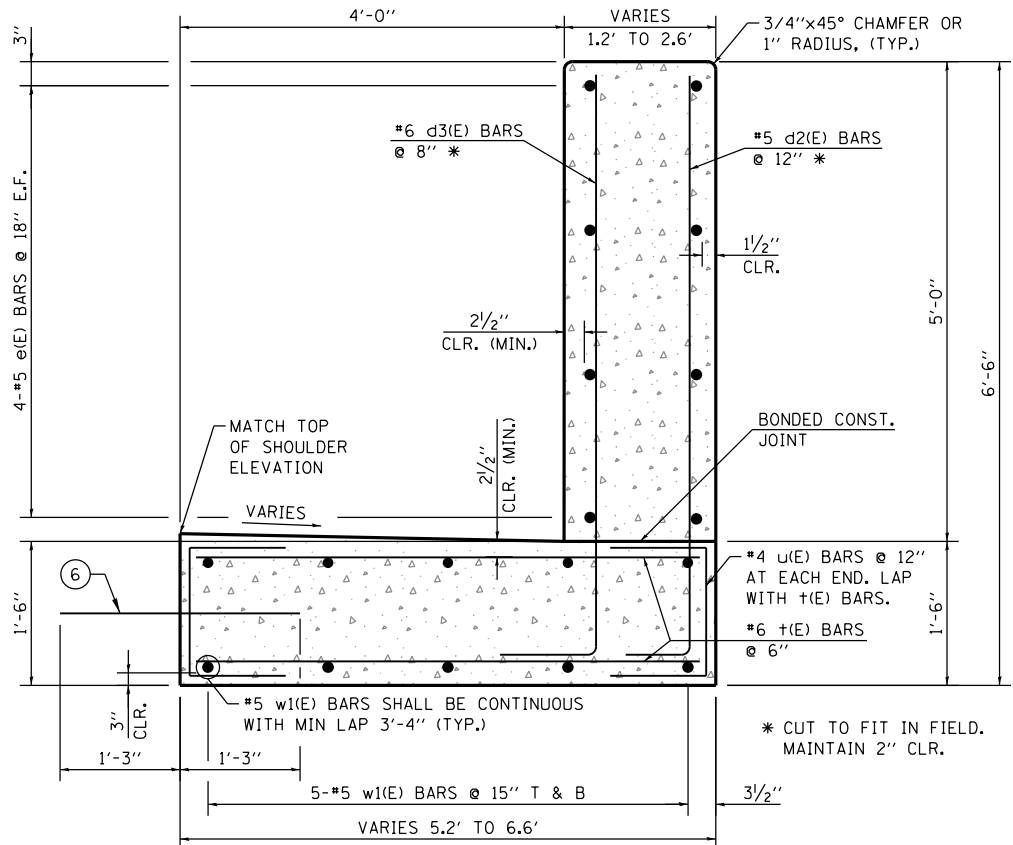
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIERS DETAILS**

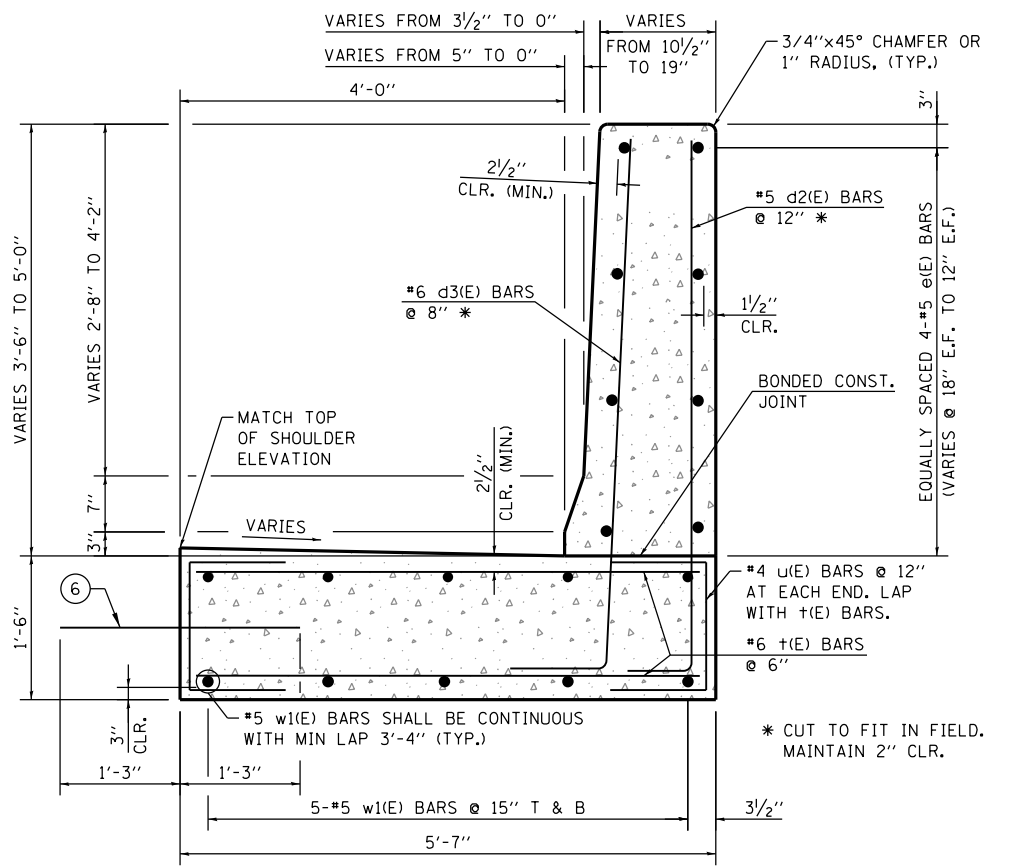
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CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

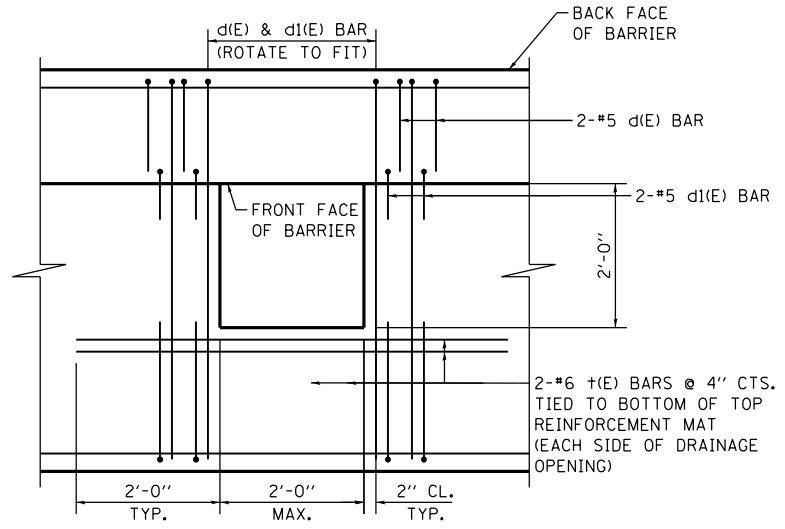
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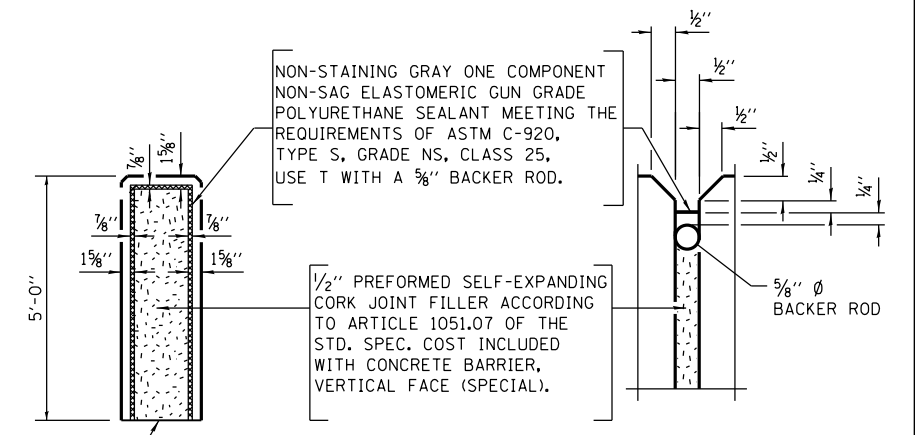
**CONCRETE BARRIER, VERTICAL FACE (SPECIAL)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 8)**



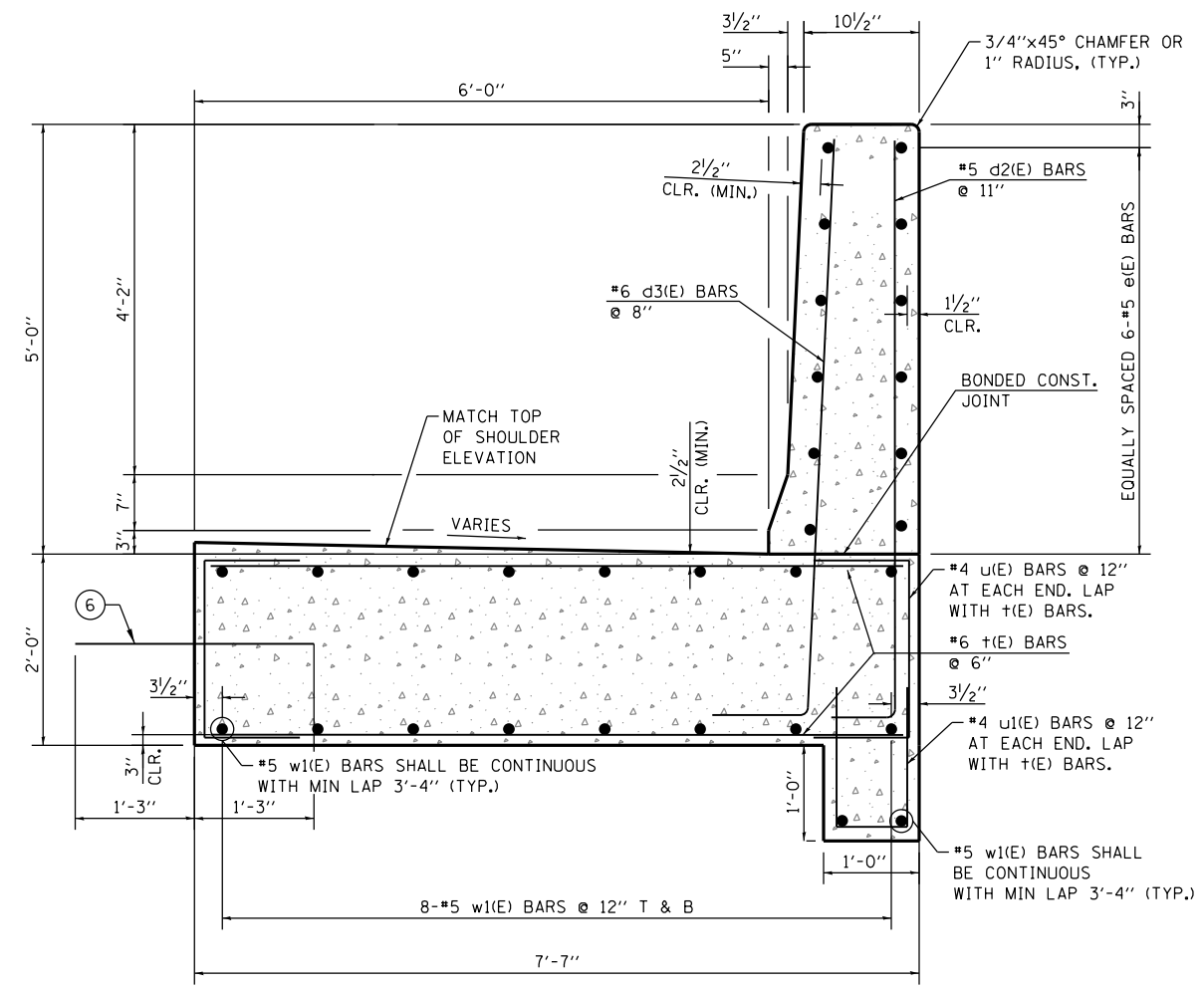
**CONCRETE BARRIER TRANSITION (SPECIAL)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 9)**



**PLAN - REINFORCEMENT AROUND DRAINAGE STRUCTURE**



**BARRIER EXPANSION JOINT DETAILS**



**CONCRETE BARRIER WALL (SPECIAL NO. 3)**  
**CONCRETE BARRIER BASE (SPECIAL NO. 11)**

**LEGEND:**

- ① PORTLAND CEMENT CONCRETE PAVEMENT (JOINED) 11" OR 12 1/2"
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ PORTLAND CEMENT CONCRETE SHOULDERS 11" OR 12 1/2"
- ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑥ EPOXY COATED TIE BARS, NO. 8, 2'-6" LONG @ 2'-0" C-C (ADJACENT TO PCC PAVEMENT OR SHOULDER) INCLUDED IN THE COST OF CONCRETE BARRIER BASE OF VARIOUS TYPES
- ⑦ 2-2" DIAMETER CONDUITS IN BARRIER, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS
- ⑧ 1-4" DIAMETER CONDUIT, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS

**NOTES:**

1. SEE BARRIER DETAIL SHEET 162 FOR ADDITIONAL DIMENSIONS AND NOTES.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING BARRIER DIMENSIONS AT ALL TRANSITION TIE-INS PRIOR TO INSTALLING THE CONCRETE BARRIER TRANSITION SEGMENTS.



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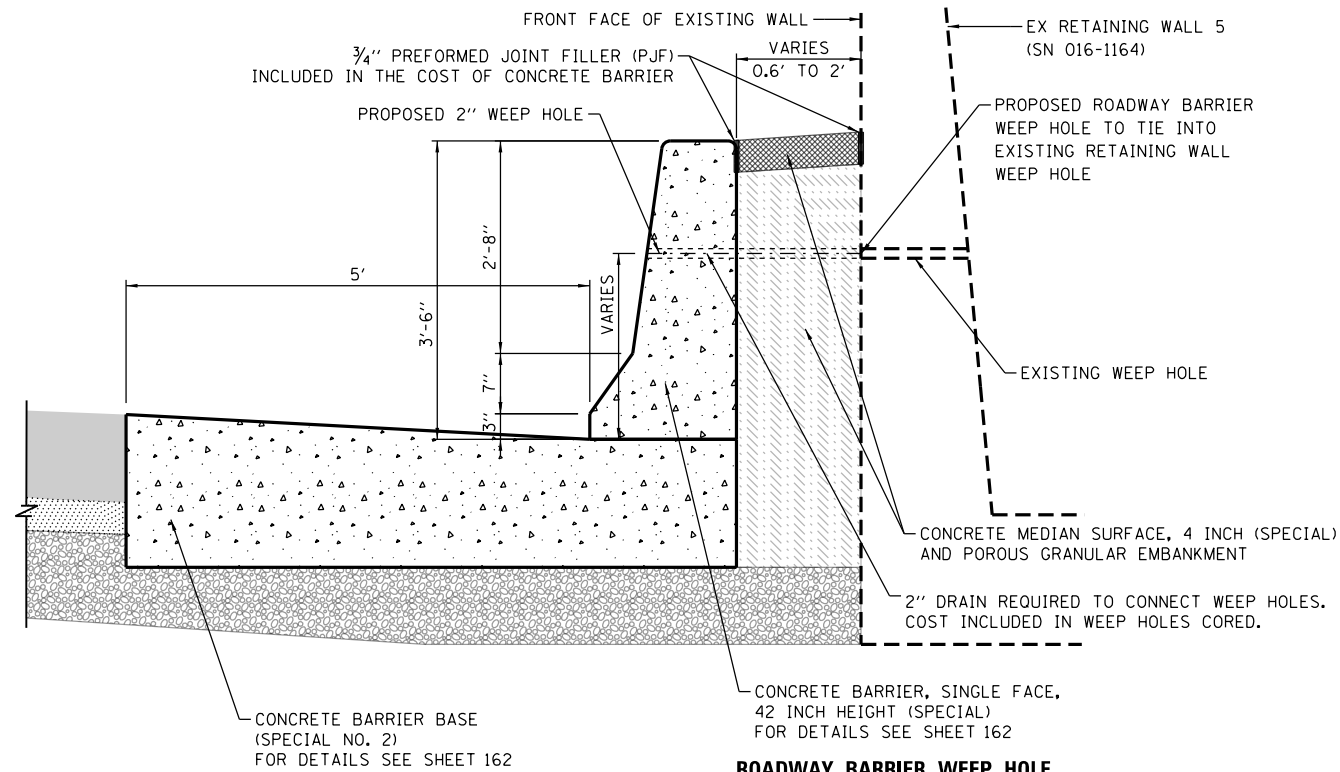
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

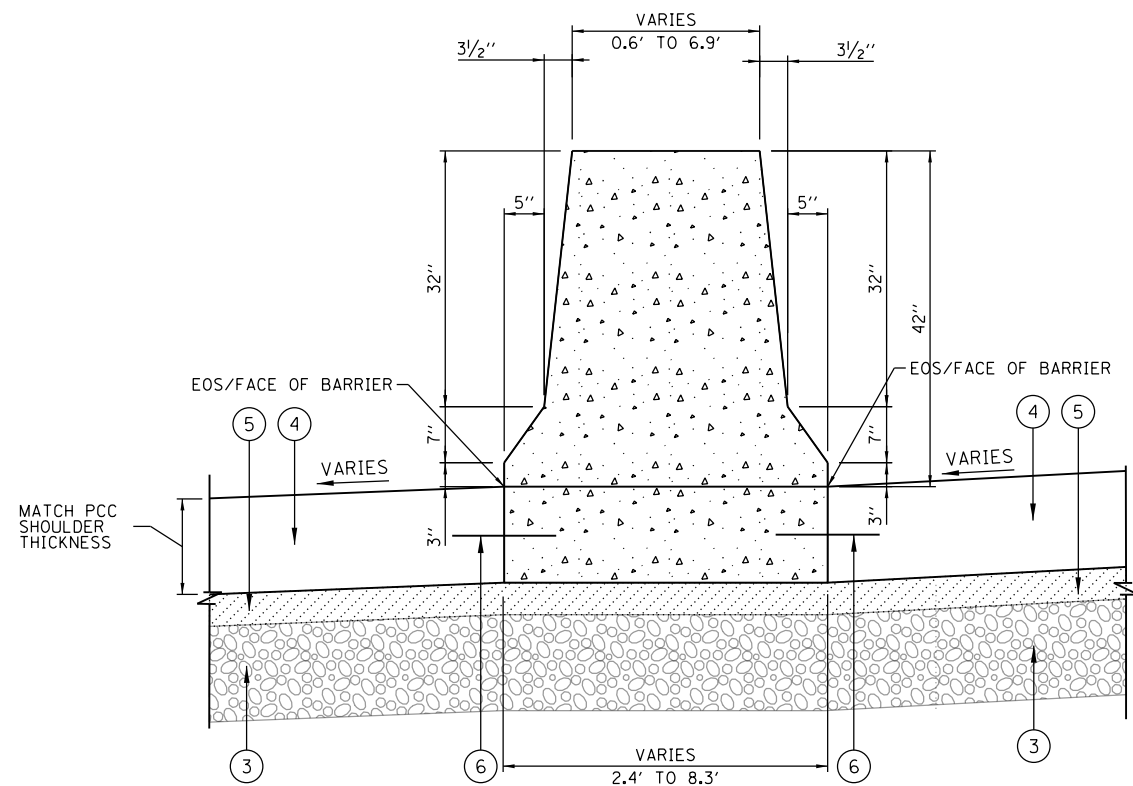
CONCRETE BARRIERS DETAILS  
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F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	164
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**ROADWAY BARRIER WEEP HOLE**  
**SB I-90/94 STA 6229 + 41.88 TO STA 6233 + 15.98**



**CONCRETE BARRIER TRANSITION**  
**CONCRETE BARRIER BASE (SPECIAL NO. 7)**

**LEGEND:**

- ① PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) 11" OR 12 1/2"
- ② STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ PORTLAND CEMENT CONCRETE SHOULDERS 11" OR 12 1/2"
- ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑥ EPOXY COATED TIE BARS, NO. 8, 2'-6" LONG @ 2'-0" C-C (ADJACENT TO PCC PAVEMENT OR SHOULDER) INCLUDED IN THE COST OF CONCRETE BARRIER BASE OF VARIOUS TYPES
- ⑦ 2-2" DIAMETER CONDUITS IN BARRIER, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS
- ⑧ 1-4" DIAMETER CONDUIT, LOCATIONS AS SPECIFIED IN ELECTRICAL OR ITS PLANS

**NOTES:**

- 1. SEE BARRIER DETAIL SHEET 162 FOR ADDITIONAL DIMENSIONS AND NOTES.



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DESIGNED - OPS  
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 DATE - 3/4/2020

REVISED -  
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 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIERS DETAILS**

SCALE: NONE SHEET 4 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	165
<b>CONTRACT NO. 62A77</b>				
ILLINOIS FED. AID PROJECT				

**CONCRETE BARRIER WALL SCHEDULE**

LOCATION					CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER WALL (SPECIAL NO. 1)	CONCRETE BARRIER BASE (SPECIAL NO. 2) - 4' TOE	CONCRETE BARRIER BASE (SPECIAL NO. 2) - 5' TOE	CONCRETE BARRIER WALL (SPECIAL NO. 1)	CONCRETE BARRIER BASE (SPECIAL NO. 3)	CONCRETE BARRIER WALL (SPECIAL NO. 2)	CONCRETE BARRIER BASE (SPECIAL NO. 4)	CONCRETE BARRIER TRANSITION	CONCRETE BARRIER BASE (SPECIAL NO. 7)	CONCRETE BARRIER WALL (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL)	CONCRETE BARRIER VARIABLE CROSS SECTION, 42 INCH HEIGHT	CONCRETE BARRIER BASE (SPECIAL NO. 5)	CONCRETE BARRIER, VERTICAL FACE (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 8)	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 6)	CONCRETE BARRIER TRANSITION (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 9)	CONCRETE BARRIER WALL (SPECIAL NO. 3)	CONCRETE BARRIER BASE (SPECIAL NO. 11)	BARRIER WALL REFLECTORS, TYPE C (EACH)	PROTECTIVE COAT (SQ YD)
BASELINE	BEGIN STA	OFFSET	END STA	OFFSET	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(FT)	(EACH)	(SQ YD)
*	P-KDR-SB	6202+12.24	46.55' RT	6203+37.49	52.31' RT	126	126																			12	238	
*	P-KDR-SB	6203+37.49	52.31' RT	6206+43.73	90.77' RT	309	309																				26	584
*	P-KDR-SB	6202+91.29	31.26' LT	6204+00.11	26.00' LT	109		109																			10	206
*	P-KDR-SB	6204+00.11	26.00' LT	6205+15.48	24.00' LT				116	116																	10	219
*	P-KDR-SB	6204+91.40	33.00' RT	6206+08.23	40.11' RT	117		117																			10	221
*	P-KDR-SB	6204+91.55	28.50' RT	6215+49.35	26.00' RT	1057		1057																			86	1997
*	P-KDR-SB	6206+96.10	42.22' RT	6215+49.35	30.07' RT	853		853																			70	1611
*	P-KDR-SB	6207+31.84	72.20' RT	6208+89.62	68.84' RT	156		156																			14	295
*	P-KDR-SB	6212+14.54	64.16' RT	6215+47.32	60.06' RT	334		334																			28	631
*	P-KDR-SB	6220+39.86	32.00' RT	6224+47.02	32.00' RT	404		404																			34	763
*	P-KDR-SB	6221+99.43	38.00' LT	6224+61.14	38.00' LT	266		266																			22	502
*	P-KDR-SB	6224+61.14	38.00' LT	6228+73.32	39.00' LT	416	416																				34	786
*	P-KDR-SB	6228+73.32	39.00' LT	6234+63.14	44.00' LT	581		581																			48	1097
*	P-KDR-SB	6225+03.93	32.00' RT	6227+07.18	32.00' RT	202		202																			18	382
*	P-KDR-SB	6227+07.72	49.00' RT	6229+11.25	32.00' RT	205		205																			18	387
*	P-KDR-SB	6229+11.25	32.00' RT	6230+39.00	32.00' RT	130		130																			12	246
*	P-CIR-ES	1512+20.00	22.00' LT	1512+89.49	22.00' LT	72		72																			6	136
*	P-KDR-SB	6230+97.24	99.45' RT	6233+14.48	51.05' RT	230		230																			20	434
*	P-KDR-SB	6233+14.48	51.05' RT	6234+82.43	48.00' RT	171		171																			14	323
*	P-KDR-SB	6233+68.55	60.36' LT	6233+79.87	174.76' LT	115		115																			10	217
*	P-KDR-SB	6234+75.31	44.00' LT	6234+83.77	44.00' LT	9		9																			2	17
*	P-KDR-SB	6234+83.77	44.00' LT	6235+29.78	52.11' LT	47		47																			4	89
*	P-KDR-SB	6236+04.78	52.11' LT	6241+32.39	38.80' LT	533		533																			44	1007
*	P-KDR-SB	6237+63.80	59.48' LT	6237+64.11	85.45' LT	26		26																			4	49
*	P-KDR-SB	6238+22.28	68.90' RT	6247+85.00	58.00' RT	958		958																			78	1810
*	P-KDR-SB	6249+40.00	58.00' RT	6254+70.94	48.92' RT	530		530																			44	1001
*	P-KDR-SB	6220+58.72	36.39' LT	6221+99.43	38.00' LT				141	141																	12	266
*	P-KDR-SB	6215+47.32	60.06' RT	6216+72.58	74.28' RT						130	130															12	246
**	P-KDR-SB	6205+15.51	26.09' LT	6205+48.06	25.00' LT							33	33														8	62
**	P-KDR-SB	6204+77.62	30.14' RT	6204+91.48	30.75' RT							14	14														4	26
**	P-KDR-SB	6207+07.05	74.09' RT	6207+31.77	76.35' RT							25	25														4	47
**	P-KDR-SB	6211+98.93	66.74' RT	6212+14.47	66.94' RT							16	16														4	30
*	P-KDR-SB	6206+08.23	40.11' RT	6206+23.26	39.71' RT								15	15													4	28
*	P-KDR-SB	6206+80.94	40.06' RT	6206+96.10	42.22' RT								15	15													4	28
**	P-KDR-SB	6215+49.35	28.04' RT	6217+18.46	28.12' RT											172	172										28	325
*	P-KDR-SB	6217+18.46	26.00' RT	6219+41.49	29.81' RT	226		226																			20	427
*	P-TAY-SX	6400+76.15	18.71' LT	6401+14.23	19.99' LT	39	39																				4	74
*	P-TAY-SX	6401+14.23	19.99' LT	6402+99.66	39.56' LT	188		188																			16	355
**	P-KDR-SB	6219+51.23	32.39' RT	6219+87.67	34.17' RT											37	37										8	70
*	P-KDR-SB	6220+02.78	32.00' RT	6220+24.86	32.00' RT														22	22							2	42
*	P-ACC-SB	22+60.82	14.00' LT	23+54.22	14.00' LT														91	91							8	172
*	P-ACC-SB	23+54.22	14.00' LT	23+64.22	14.00' LT															10							0	0
*	P-ACC-SB	23+64.22	14.00' LT	24+10.98	14.00' LT														49	49							4	93
*	P-KDR-SB	6233+66.79	58.92' LT	6233+87.27	57.09' LT														20	20							2	38
*	P-KDR-SB	6237+46.90	58.14' LT	6237+66.63	57.87' LT														20	20							2	38
**	P-KDR-SB	6241+32.44	40.38' LT	6241+65.26	39.50' LT							33	33														8	62
**	P-KDR-SB	6241+65.26	39.50' LT	6245+04.02	39.50' LT																	339	339				56	640
**	P-KDR-SB	6245+45.97	39.50' LT	6245+68.18	39.52' LT																	23	23				4	43
**	P-KDR-SB	6246+75.19	39.50' LT	6252+00.06	38.66' LT																	525	525				84	992
SUB TOTALS					8,409	890	6,938	581	257	257	130	130	121	121	30	30	209	209	202	212	887	887	0	0	0	0	976	19,352

\* MEASURED ALONG FRONT FACE OF WALL (EOS)  
 \*\* MEASURED ALONG CENTER OF BARRIER



D162A77-SHT-DETAIL-BAR-03B.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 100.0000' / 1".  
 PLOT DATE = 2/28/2020

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 3/4/2020

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIERS SCHEDULE

SCALE: NONE SHEET 5 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	166
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**CONCRETE BARRIER WALL SCHEDULE (CONTINUED)**

	LOCATION					CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 1)	CONCRETE BARRIER BASE (SPECIAL NO. 2) - 4' TOE	CONCRETE BARRIER BASE (SPECIAL NO. 2) - 5' TOE	CONCRETE BARRIER WALL (SPECIAL NO. 1)	CONCRETE BARRIER BASE (SPECIAL NO. 3)	CONCRETE BARRIER WALL (SPECIAL NO. 2)	CONCRETE BARRIER BASE (SPECIAL NO. 4)	CONCRETE BARRIER TRANSITION	CONCRETE BARRIER BASE (SPECIAL NO. 7)	CONCRETE BARRIER WALL (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL)	CONCRETE BARRIER, VARIABLE CROSS SECTION, 42 INCH HEIGHT	CONCRETE BARRIER BASE (SPECIAL NO. 5)	CONCRETE BARRIER, VERTICAL FACE (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 8)	CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 6)	CONCRETE BARRIER TRANSITION (SPECIAL)	CONCRETE BARRIER BASE (SPECIAL NO. 9)	CONCRETE BARRIER WALL (SPECIAL NO. 5)	CONCRETE BARRIER BASE (SPECIAL NO. 11)	BARRIER WALL REFLECTORS, TYPE C (EACH)	PROTECTIVE COAT (SQ YD)		
	BASELINE	BEGIN STA	OFFSET	END STA	OFFSET																										
**	P-KDR-SB	6245+04.02	39.50' LT	6245+19.01	39.50' LT								15	15															4	28	
**	P-KDR-SB	6245+30.98	39.50' LT	6245+45.99	39.50' LT								15	15																4	28
**	P-KDR-SB	6245+68.18	39.54' LT	6245+83.18	40.07' LT								15	15															4	28	
**	P-KDR-SB	6246+60.18	40.27' LT	6246+75.19	39.50' LT								15	15															4	28	
**	P-KDR-SB	6234+82.43	49.83' RT	6235+15.75	49.50' RT								34	34															8	64	
*	P-KDR-SB	6208+89.62	68.84' RT	6209+04.68	68.54' RT																		15	15					2	28	
*	P-KDR-SB	6209+04.68	68.54' RT	6210+74.69	81.04' RT																					171	171		14	323	
*	P-KDR-SB	6219+87.79	31.54' RT	6220+02.78	32.00' RT																				15	15			2	28	
*	P-KDR-SB	6220+24.86	32.00' RT	6220+39.86	32.00' RT																				15	15			2	28	
*	P-KDR-SB	6219+87.49	36.80' RT	6220+12.33	37.19' RT																				25	25			2	47	
*	P-CIR-WS	1235+18.96	4.44' RT	1235+47.38	4.00' RT					29	29																		4	55	
*	P-CIR-WS	1235+18.87	8.61' RT	1235+47.13	11.16' RT					29	29																		4	55	
**	P-CIR-WS	1235+12.45	6.29' RT	1235+19.06	6.53' RT								7						7										4	13	
*	P-KDR-SB	6240+72.33	48.02' LT	6241+32.61	42.96' LT											61	61												12	115	
*	P-KDR-SB	6247+85.00	58.00' RT	6248+00.00	58.00' RT																				15	15			2	28	
*	P-KDR-SB	6248+00.00	58.00' RT	6249+25.00	58.00' RT																						125	125	10	236	
*	P-KDR-SB	6249+25.00	58.00' RT	6249+40.00	58.00' RT																				15	15			2	28	
**	P-KDR-SB	6252+00.06	38.66' LT	6252+55.27	37.27' LT								56	56															12	106	
*	P-KDR-SB	6252+55.22	38.18' LT	6254+70.66	29.35' LT					216	216																		18	408	
*	P-KDR-SB	6252+55.32	39.35' LT	6254+86.01	37.84' LT					232	232																		20	438	
*	P-KDR-SB	6254+70.66	29.35' LT	6254+85.62	29.27' LT										15	15													4	28	
*	P-KDR-SB	6245+70.94	48.92' RT	6254+84.68	48.65' RT										14	14													4	26	
SUB TOTALS						0	0	0	0	506	506	0	0	157	150	90	90	0	7	0	0	0	0	100	100	296	296	142	2,170		
TOTALS						8,409	890	6,938	581	763	763	130	130	278	271	120	120	209	216	202	212	887	887	100	100	296	296	1,118	21,522		

- \* MEASURED ALONG FRONT FACE OF WALL (EOS)
- \*\* MEASURED ALONG CENTER OF BARRIER

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D162A77-SHT-DETAIL-BAR-03C.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 100.0000' / 1"

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 3/4/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIERS SCHEDULE**

SCALE: NONE      SHEET 6 OF 43 SHEETS      STA.      TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	167
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

**CONCRETE BARRIER LAYOUT**

CONCRETE BARRIER WALL (SPECIAL), CONCRETE BARRIER TRANSITION AND CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL) ELEVATIONS AND OFFSETS						
STA PR SB I-90/94	PGL ELEVATION	"X" (SB I-90/94 EOS)		"W" (NB I-90/94 EOS)		TOP OF WALL ELEVATION
		OFFSET	ELEVATION	OFFSET	ELEVATION	
6240+71.86	577.24	40.87' LT	578.05	48.02' LT	578.11	581.61
6240+75.00	577.22	40.76' LT	578.02	47.75' LT	578.25	581.75
6241+00.00	577.13	39.91' LT	577.84	45.44' LT	578.34	581.84
6241+25.00	577.03	39.05' LT	577.65	43.48' LT	578.31	581.81
6241+32.39	577.00	38.80' LT	577.59	42.97' LT	578.28	581.78
6241+50.00	576.94	38.17' LT	577.47	41.87' LT	578.21	581.71
6241+65.26	576.88	38.00' LT	577.34	41.00' LT	578.15	581.65
6241+75.00	576.84	38.00' LT	577.25	41.00' LT	578.13	581.63
6242+00.00	576.74	38.00' LT	577.03	41.00' LT	578.07	581.57
6242+25.00	576.65	38.00' LT	576.81	41.00' LT	578.01	581.51
6242+50.00	576.55	38.00' LT	576.59	41.00' LT	577.94	581.44
6242+75.00	576.45	38.00' LT	576.38	41.00' LT	577.67	581.17
6243+00.00	576.36	38.00' LT	576.16	41.00' LT	577.42	580.92
6243+25.00	576.26	38.00' LT	575.95	41.00' LT	577.16	580.66
6243+50.00	576.17	38.00' LT	575.73	41.00' LT	576.90	580.40
6243+75.00	576.07	38.00' LT	575.51	41.00' LT	576.63	580.13
6244+00.00	575.97	38.00' LT	575.30	41.00' LT	576.36	579.86
6244+25.00	575.88	38.00' LT	575.12	41.00' LT	576.10	579.60
6244+50.00	575.78	38.00' LT	575.03	41.00' LT	575.83	579.33
6244+75.00	575.68	38.00' LT	574.93	41.00' LT	575.56	579.06
6245+00.00	575.59	38.00' LT	574.84	41.00' LT	575.30	578.80
6245+04.02	575.57	38.00' LT	574.82	41.00' LT	575.25	578.75
6245+19.02	575.52	37.29' LT	574.80	41.71' LT	575.12	578.62
6245+25.00	575.49	37.29' LT	574.77	41.71' LT	575.03	578.53
6245+30.97	575.47	37.29' LT	574.75	41.71' LT	574.99	578.49
6245+45.97	575.41	38.00' LT	574.67	41.00' LT	574.81	578.31
6245+50.00	575.40	38.01' LT	574.65	41.00' LT	574.76	578.26
6245+68.19	575.35	38.04' LT	574.60	41.00' LT	574.61	578.11
6245+75.00	575.33	38.05' LT	574.59	41.49' LT	574.57	578.09
6245+83.19	575.32	38.07' LT	574.58	42.07' LT	574.56	578.08
6246+00.19	575.44	38.27' LT	574.70	42.27' LT	574.59	578.20
6246+75.00	575.52	38.00' LT	574.78	41.02' LT	574.60	578.28
6246+75.19	575.52	38.00' LT	574.78	41.00' LT	574.59	578.28
6247+00.00	575.67	38.00' LT	574.93	41.00' LT	574.72	578.43
6247+25.00	575.84	38.00' LT	575.10	41.00' LT	574.85	578.60
6247+50.00	576.01	38.00' LT	575.27	41.00' LT	574.98	578.77
6247+75.00	576.19	38.00' LT	575.45	41.00' LT	575.11	578.95
6248+00.00	576.36	38.00' LT	575.62	41.00' LT	575.24	579.12
6248+25.00	576.53	38.00' LT	575.79	41.00' LT	575.37	579.29
6248+50.00	576.70	38.00' LT	575.96	41.00' LT	575.50	579.46
6248+75.00	576.87	38.00' LT	576.13	41.00' LT	575.63	579.63
6249+00.00	577.04	38.00' LT	576.30	41.00' LT	575.77	579.80
6249+25.00	577.21	38.00' LT	576.47	41.00' LT	575.91	579.97
6249+50.00	577.35	38.00' LT	576.61	41.00' LT	576.04	580.11
6249+75.00	577.46	38.00' LT	576.72	41.00' LT	576.15	580.22
6250+00.00	577.52	38.00' LT	576.78	41.00' LT	576.25	580.28
6250+25.00	577.55	38.00' LT	576.78	41.00' LT	576.32	580.28
6250+50.00	577.54	38.00' LT	576.73	41.00' LT	576.38	580.23
6250+75.00	577.49	37.99' LT	576.63	40.99' LT	576.18	580.13
6251+00.00	577.42	37.94' LT	576.52	40.94' LT	576.21	580.02
6251+25.00	577.38	37.83' LT	576.48	40.83' LT	576.21	579.98
6251+50.00	577.31	37.66' LT	576.41	40.66' LT	576.19	579.91
6251+75.00	577.21	37.44' LT	576.31	40.44' LT	576.15	579.81
6252+00.00	577.10	37.16' LT	576.21	40.16' LT	576.09	579.71
6252+00.04	577.10	37.16' LT	576.21	40.16' LT	576.09	579.71
6252+25.00	577.00	36.27' LT	576.11	39.83' LT	576.01	579.61
6252+50.00	576.87	35.37' LT	576.00	39.44' LT	575.92	579.50
6252+55.22	576.84	35.18' LT	575.97	39.35' LT	575.90	579.47

CONCRETE BARRIER, VARIABLE CROSS SECTION, 42 INCH HEIGHT ELEVATIONS AND OFFSETS						
STA PR SB I-90/94	PGL ELEVATION	"X" (SB I-90/94 RT EOS)		"W" (SB TAYLOR EXIT RAMP/ RAMP SE LT EOS)		TOP OF WALL ELEVATION
		OFFSET	ELEVATION	OFFSET	ELEVATION	
6215+49.35	576.91	26.00' RT	577.72	30.07' RT	577.19	581.22
6215+75.00	577.11	26.00' RT	578.04	30.41' RT	577.42	581.54
6215+87.03	577.21	26.00' RT	578.19	30.66' RT	577.53	581.69
6216+00.00	577.34	26.00' RT	578.32	30.30' RT	577.63	581.82
6216+19.27	577.55	26.00' RT	578.53	29.90' RT	577.76	582.03
6216+25.00	577.61	26.00' RT	578.59	29.81' RT	577.80	582.09
6216+50.00	577.92	26.00' RT	578.90	29.58' RT	577.97	582.40
6216+75.00	578.24	26.00' RT	579.22	29.60' RT	578.10	582.72
6217+00.00	578.55	26.00' RT	579.53	29.87' RT	578.17	583.03
6217+18.46	578.76	26.00' RT	579.74	30.23' RT	578.20	583.24

CONCRETE BARRIER, VARIABLE CROSS SECTION, 42 INCH HEIGHT ELEVATIONS AND OFFSETS						
STA PR SB I-90/94	PGL ELEVATION	"X" (SB I-90/94 RT EOS)		"W" (SB TAYLOR EXIT RAMP/ RAMP SE LT EOS)		TOP OF WALL ELEVATION
		OFFSET	ELEVATION	OFFSET	ELEVATION	
6219+51.36	579.44	30.43' RT	579.72	34.36' RT	578.98	583.22
6219+75.00	579.31	31.15' RT	579.45	35.96' RT	579.27	582.95
6219+87.49	579.23	31.53' RT	579.30	36.80' RT	579.42	582.92
6219+87.79	579.23	31.54' RT	579.30	-	-	582.80

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D162477-SHT-DETAIL-BAR-030.dgn  
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 PLOT SCALE = 100.0000' / 1" =  
 PLOT DATE = 2/28/2020

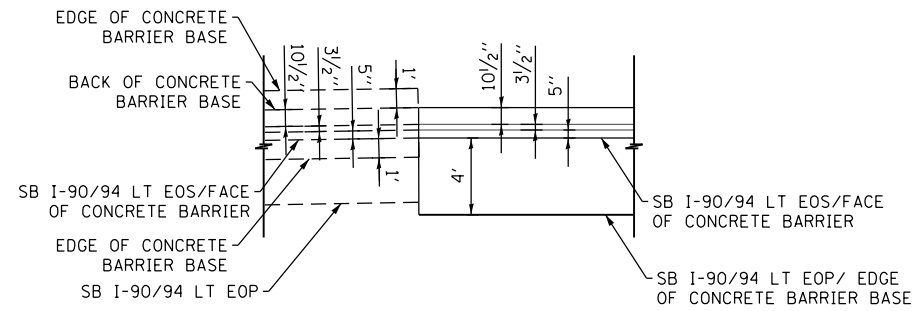
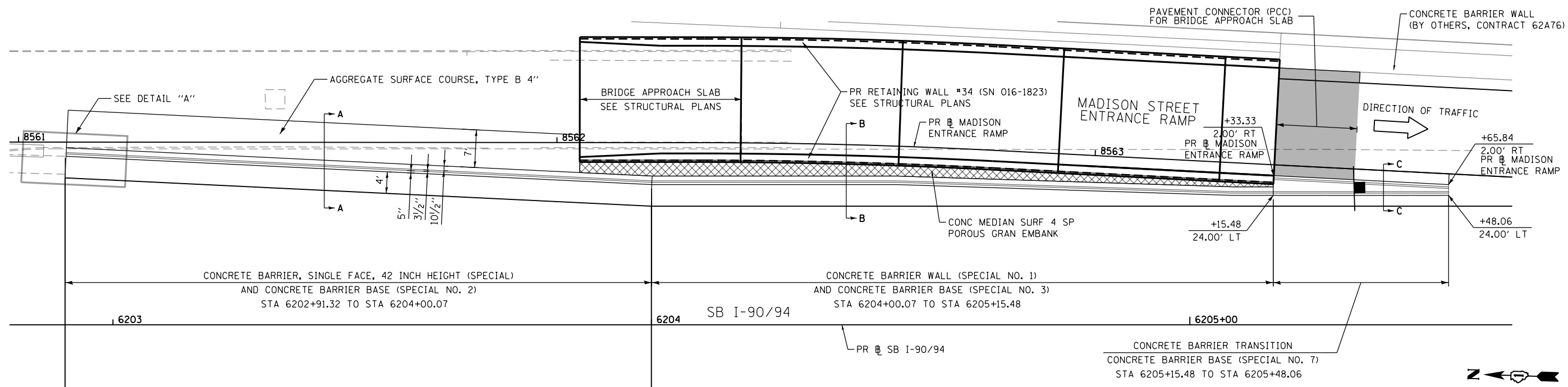
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CHECKED - MJE	REVISED -
DATE - 3/4/2020	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

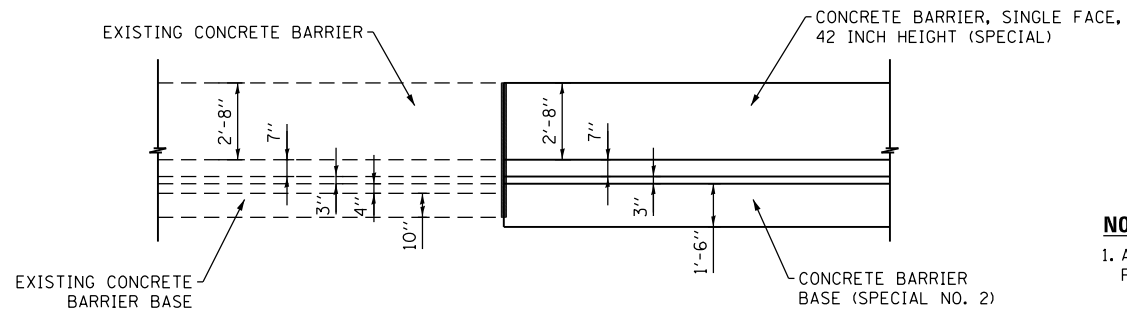
**CONCRETE BARRIERS LAYOUT**

SCALE: NONE    SHEET 6A OF 43 SHEETS    STA.    TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	167A
CONTRACT NO. 62A77			ILLINOIS FED. AID PROJECT	



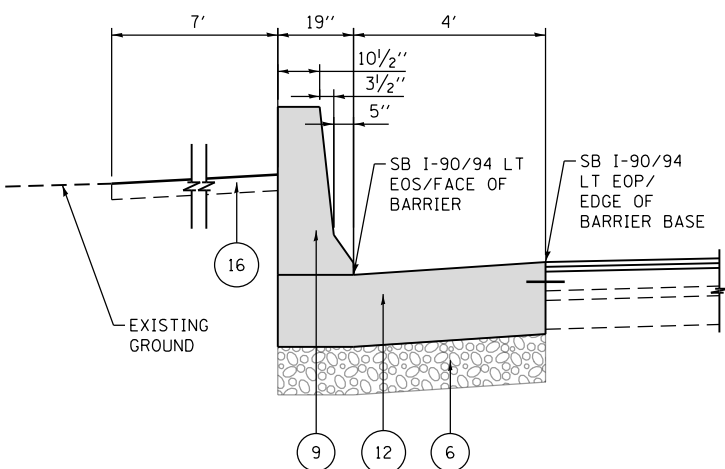
**DETAIL "A": PLAN VIEW**  
CONCRETE BARRIER WALL AT SB I-90/94  
SCALE: NONE



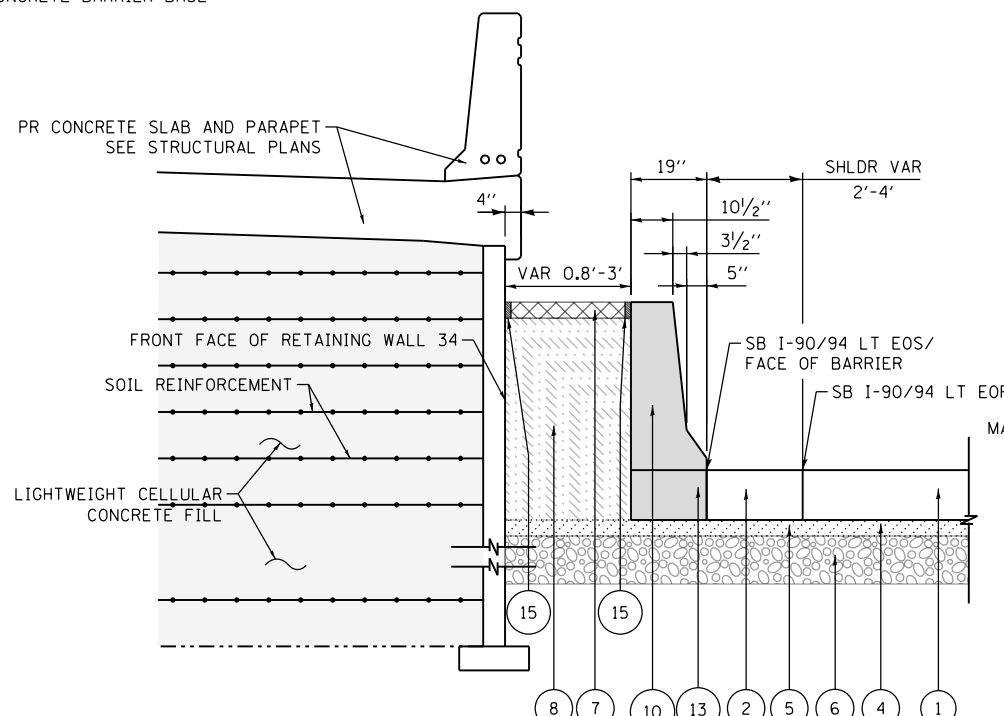
**DETAIL "A": ELEVATION VIEW**  
CONCRETE BARRIER WALL AT SB I-90/94  
SCALE: NONE

**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.

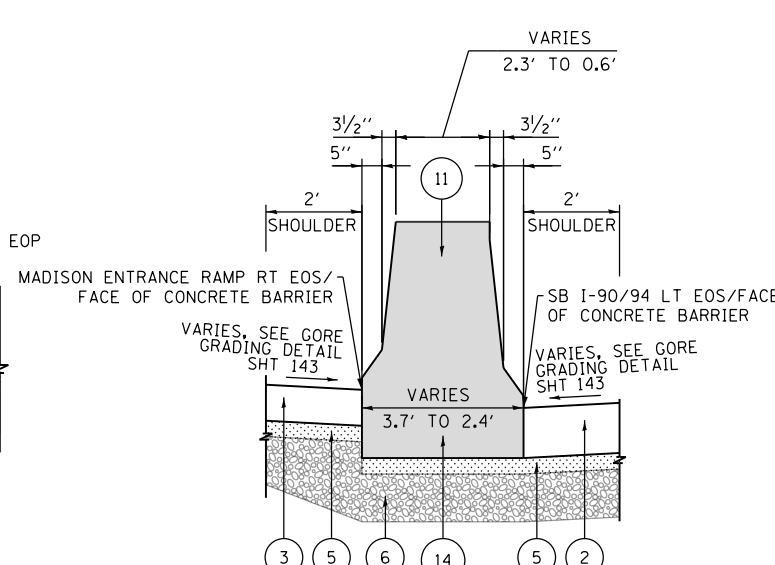
- LEGEND:**
- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
  - ② PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - ③ PORTLAND CEMENT CONCRETE SHOULDERS 9"
  - ④ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑥ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑦ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - ⑧ POROUS GRANULAR EMBANKMENT
  - ⑨ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑩ CONCRETE BARRIER WALL (SPECIAL NO. 1)
  - ⑪ CONCRETE BARRIER TRANSITION
  - ⑫ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑬ CONCRETE BARRIER BASE (SPECIAL NO. 3)
  - ⑭ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑮ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
  - ⑯ AGGREGATE SURFACE COURSE, TYPE B 4"



**SECTION "A-A"**  
CONCRETE BARRIER WALL AT SB I-90/94 RESURFACING  
SCALE: NONE



**SECTION "B-B"**  
CONCRETE BARRIER AT EAST FACE OF PR RETAINING WALL 34 (SN 016-1823)  
SCALE: NONE



**SECTION "C-C"**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 AND MADISON ENTRANCE RAMP GORE  
SCALE: NONE



D162A77-SHT-DETAIL-BAR-04.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - OPS  
DRAWN - ZND  
CHECKED - MJE  
DATE - 1/29/2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

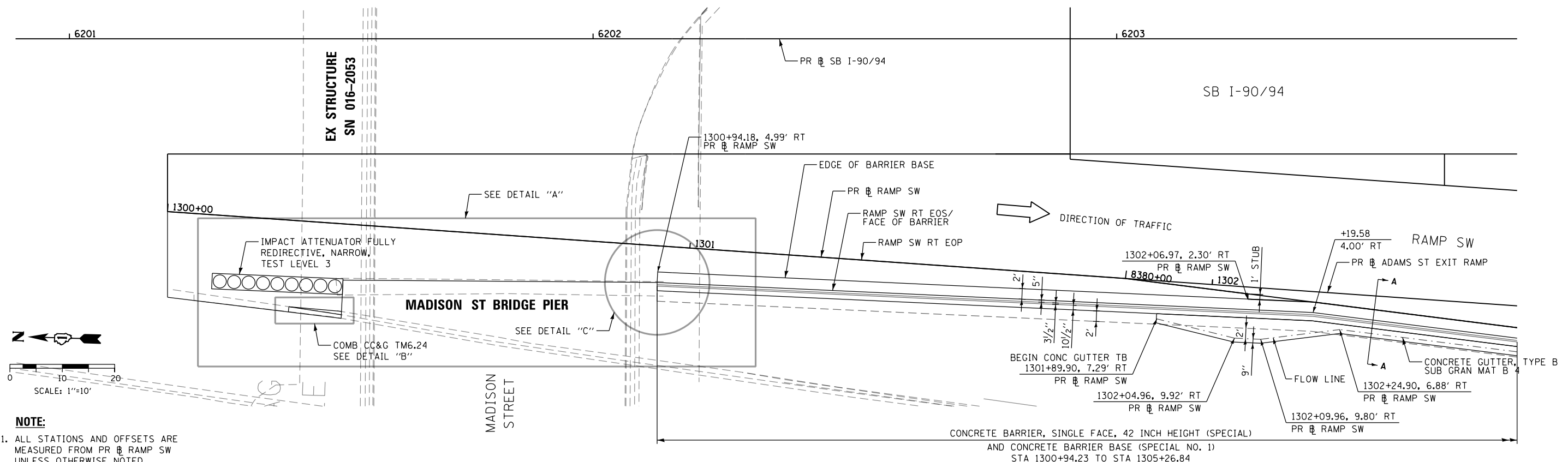
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
PR RETAINING WALL 34 (SN 016-1823)

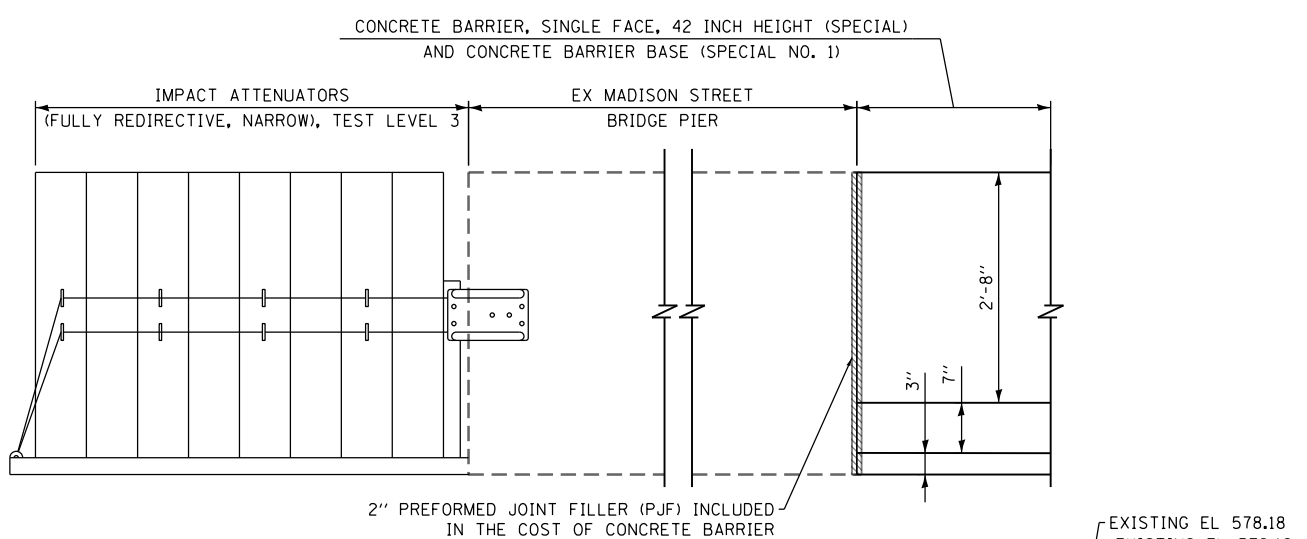
SCALE: NONE SHEET 7 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	168
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

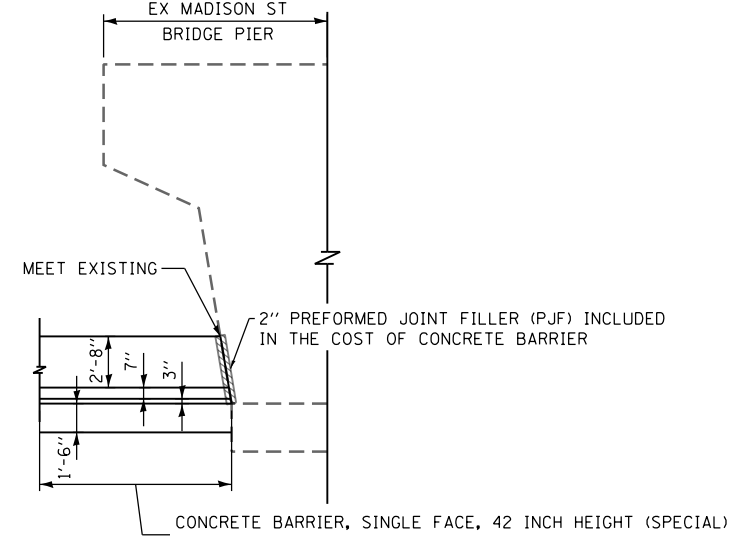
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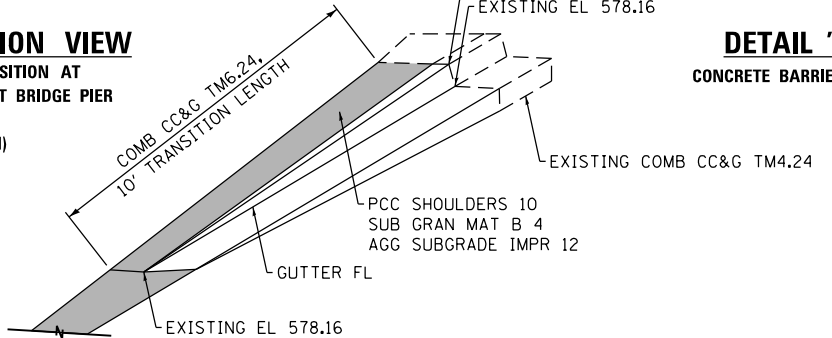
**NOTE:**  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR RAMP SW UNLESS OTHERWISE NOTED.



**DETAIL "A": ELEVATION VIEW**  
 CONCRETE BARRIER TRANSITION AT RAMP SW AND MADISON ST BRIDGE PIER  
 SCALE: NONE (LOOKING NORTH)

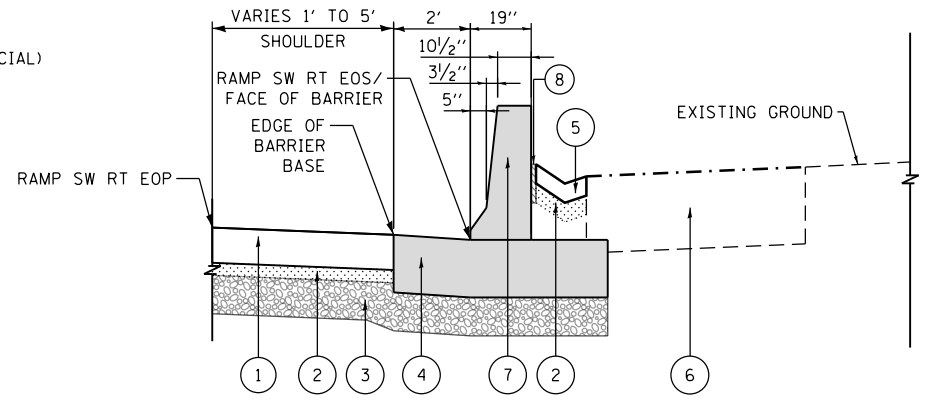


**DETAIL "C": ELEVATION VIEW**  
 CONCRETE BARRIER WALL AT MADISON ST BRIDGE PIER  
 SCALE: NONE (LOOKING WEST)



**DETAIL "B": ELEVATION VIEW**  
 CONCRETE CURB & GUTTER TRANSITION  
 SCALE: NONE (LOOKING NORTH)

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 10"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER BASE (SPECIAL NO. 1)
  - ⑤ CONCRETE GUTTER, TYPE B
  - ⑥ TOPSOIL FURNISH AND PLACE, 24"
  - ⑦ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑧ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**SECTION "A-A"**  
 CONCRETE BARRIER AT RAMP SW  
 SCALE: NONE



D162A77-SHT-DETAIL-BAR-05.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 3/9/2020

DESIGNED - OPS  
 DRAWN - OJK  
 CHECKED - MJE  
 DATE - 3/4/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

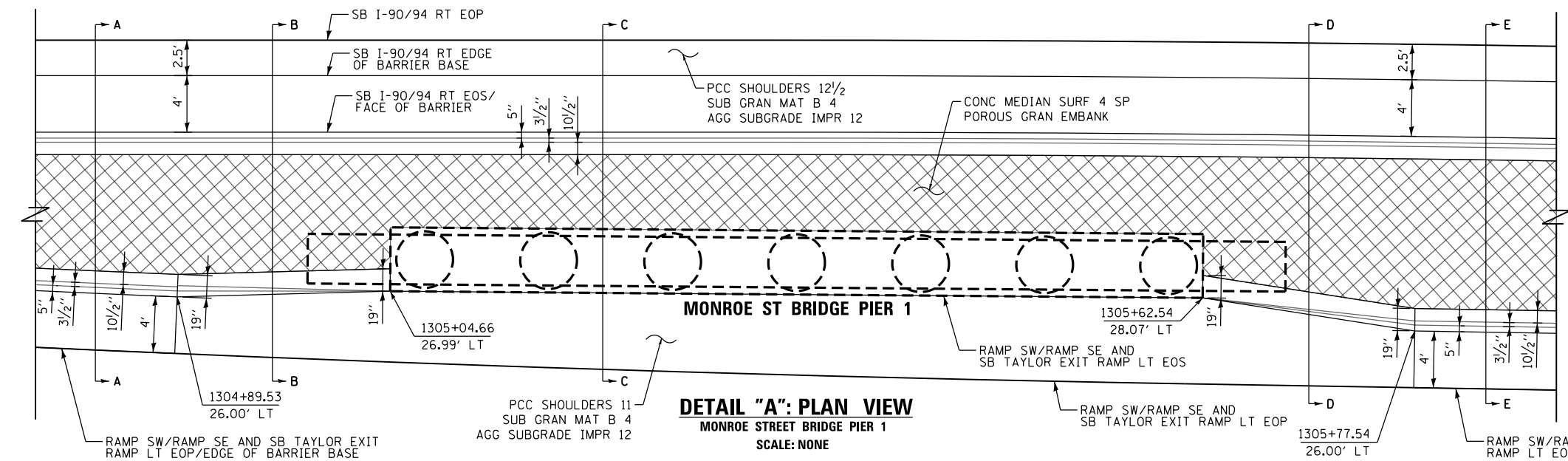
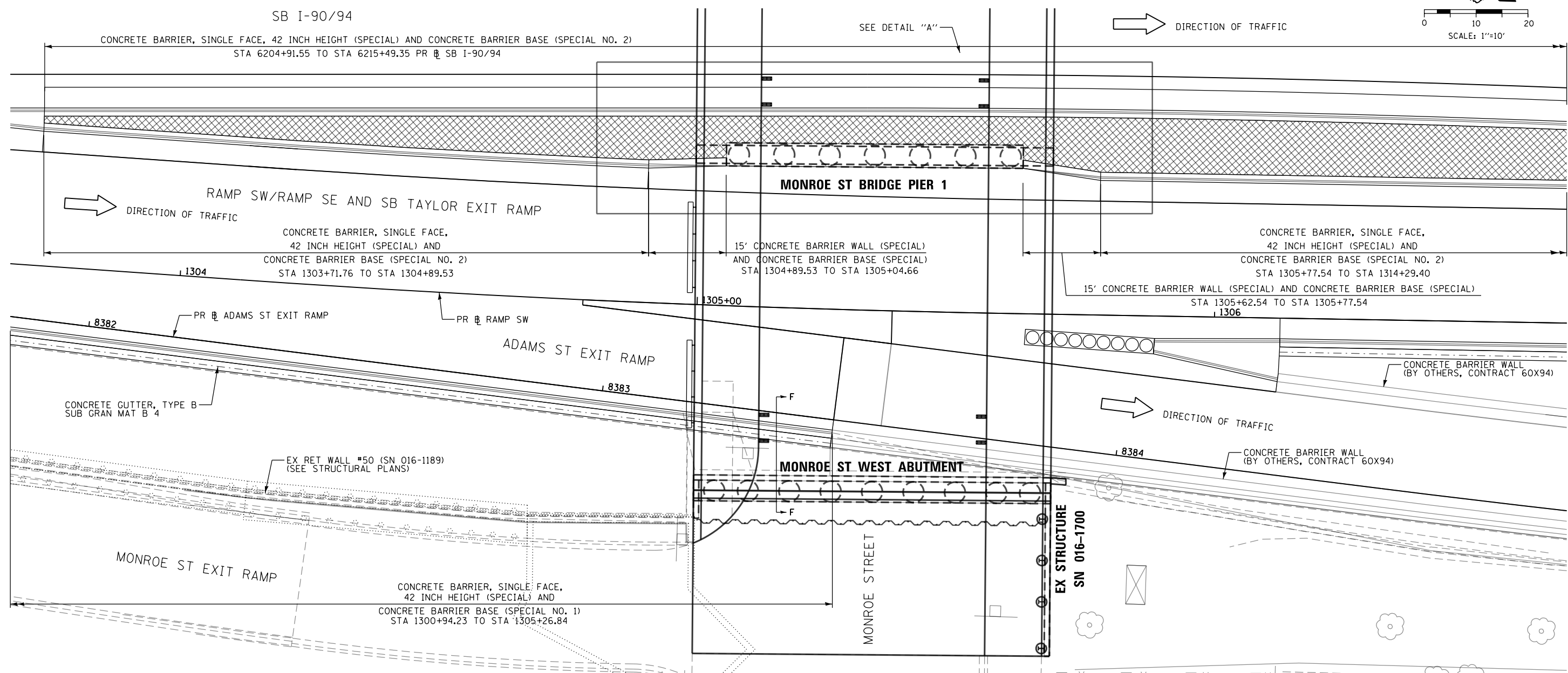
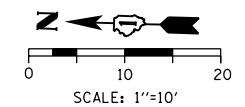
CONCRETE BARRIER DETAILS  
 CONCRETE BARRIER AT  
 MADISON STREET

SCALE: NONE SHEET 8 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	169
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR  $\square$  RAMP SW UNLESS OTHERWISE NOTED.
2. SEE BARRIER DETAIL SHEET 171 FOR DETAIL "A": ELEVATION VIEW AND SECTIONS A-A, B-B, C-C, D-D, E-E, AND F-F.

**DETAIL "A": PLAN VIEW**  
MONROE STREET BRIDGE PIER 1  
SCALE: NONE

**CONCRETE BARRIER DETAILS**  
**CONCRETE BARRIER AT**  
**MONROE STREET**



D162A77-SHT-DETAIL-BAR-06.dgn	DESIGNED - OPS	REVISED -
USER NAME = dshevoz	DRAWN - OJK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

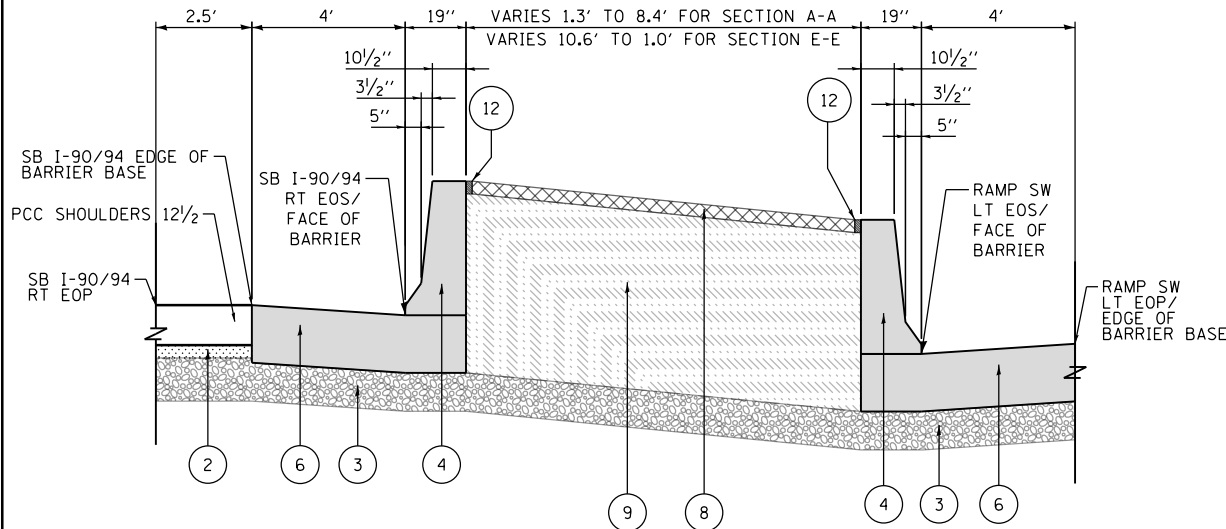
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE: NONE	SHEET 9 OF 43 SHEETS	STA. TO STA.
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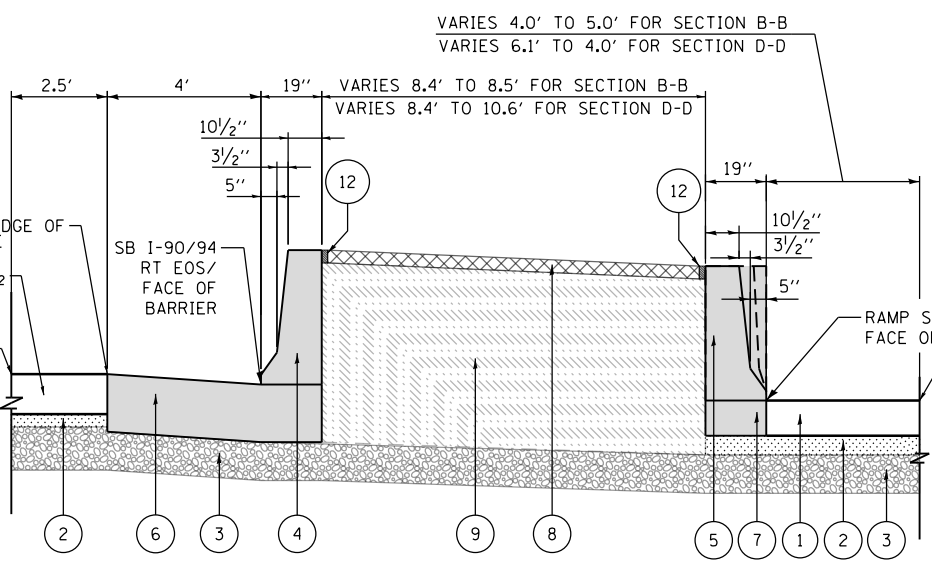
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	170
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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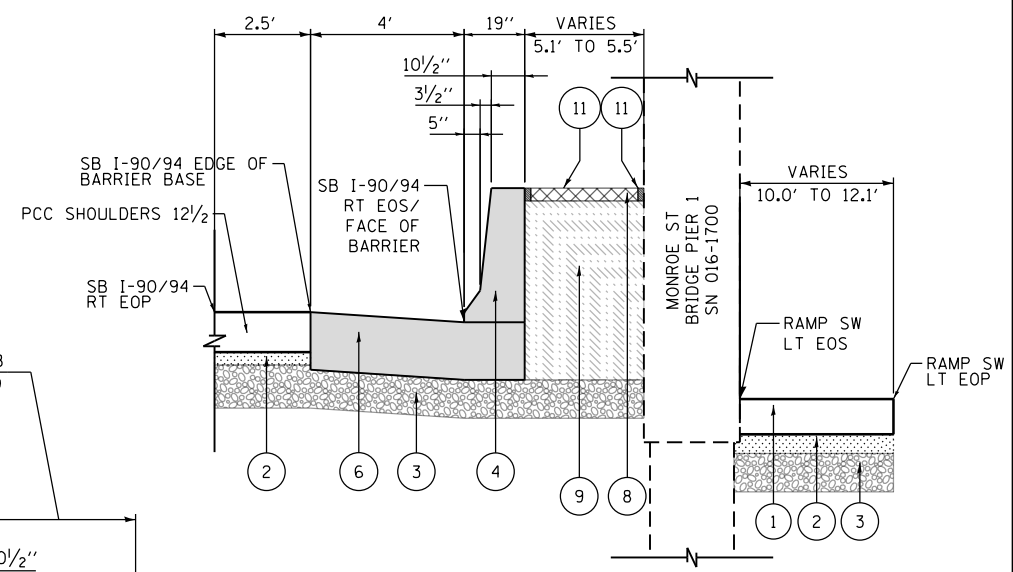
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**SECTION A-A AND SECTION E-E**  
**CONCRETE BARRIER AT MONROE ST BRIDGE PIER 1**  
 SCALE: NONE



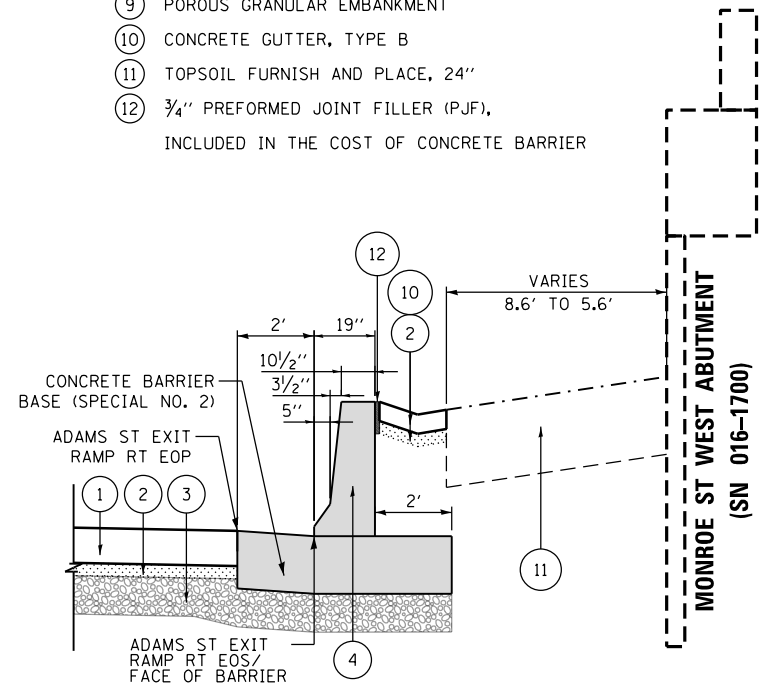
**SECTION B-B AND SECTION D-D**  
**CONCRETE BARRIER AT MONROE ST BRIDGE PIER 1**  
 SCALE: NONE



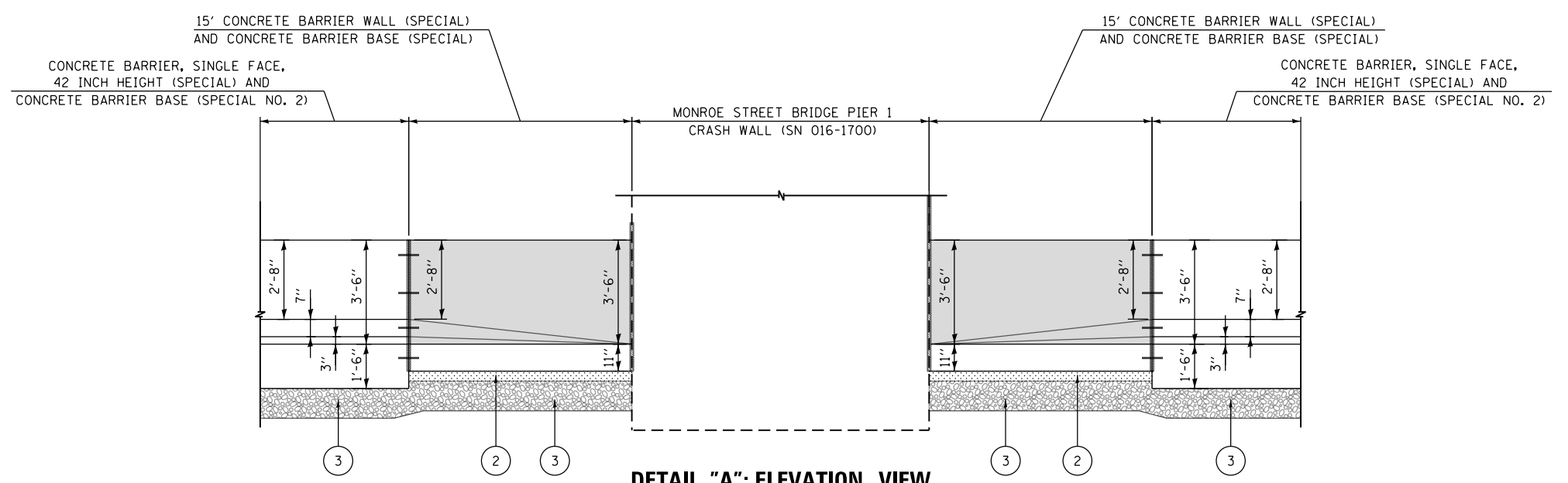
**SECTION "C-C"**  
**CONCRETE BARRIER AT MONROE ST BRIDGE PIER 1**  
 SCALE: NONE

**LEGEND:**

- ① PORTLAND CEMENT CONCRETE SHOULDERS 11"
- ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑤ CONCRETE BARRIER WALL (SPECIAL)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑦ CONCRETE BARRIER BASE (SPECIAL)
- ⑧ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
- ⑨ POROUS GRANULAR EMBANKMENT
- ⑩ CONCRETE GUTTER, TYPE B
- ⑪ TOPSOIL FURNISH AND PLACE, 24"
- ⑫ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**SECTION F-F**  
**CONCRETE BARRIER AT MONROE ST WEST ABUTMENT**  
 SCALE: NONE



**DETAIL "A": ELEVATION VIEW**  
**MONROE ST BRIDGE PIER 1**  
 SCALE: NONE



D162A77-SHT-DETAIL-BAR-07.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - OPS  
 DRAWN - ZND  
 CHECKED - MJE  
 DATE - 1/29/2019

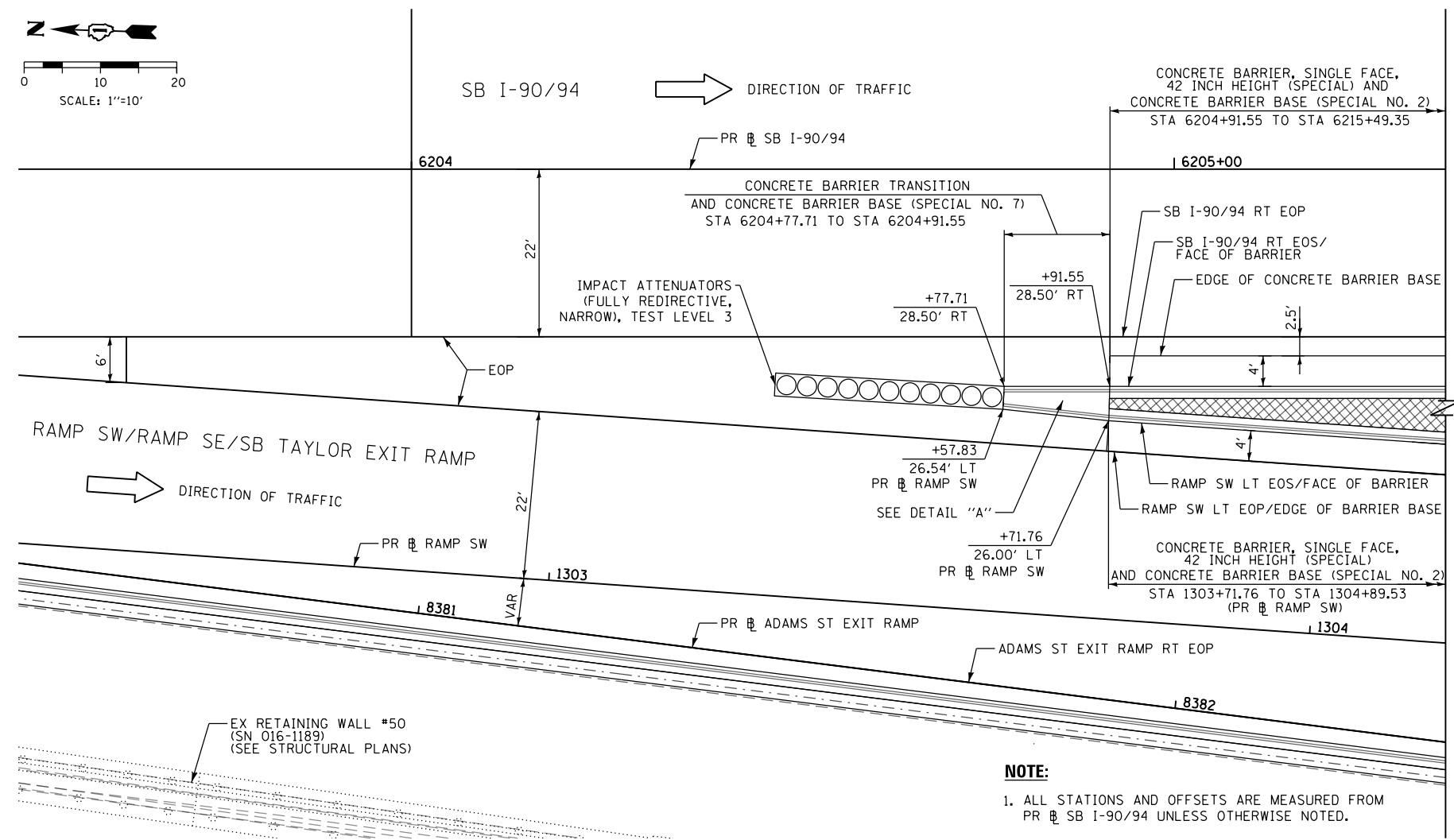
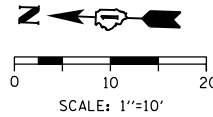
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
 CONCRETE BARRIER AT  
 MONROE STREET

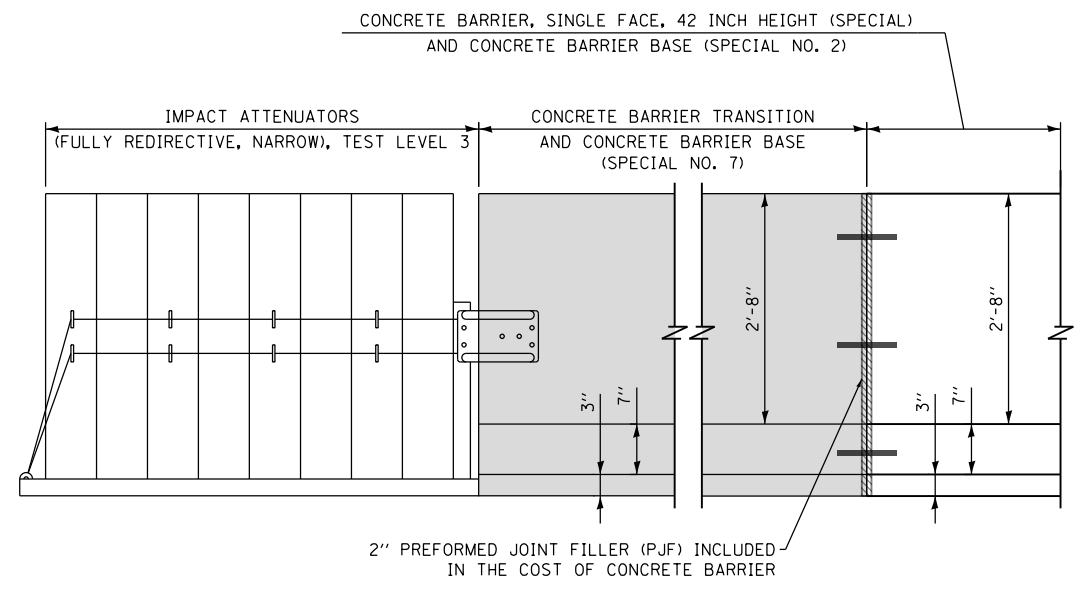
SCALE: NONE SHEET 10 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	171
CONTRACT NO. 62A77				

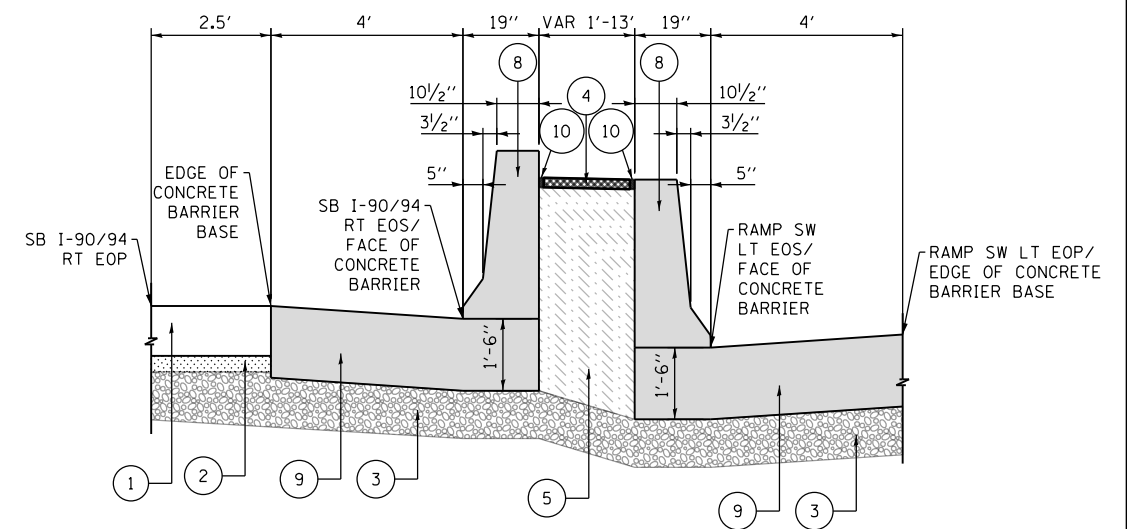
ILLINOIS FED. AID PROJECT



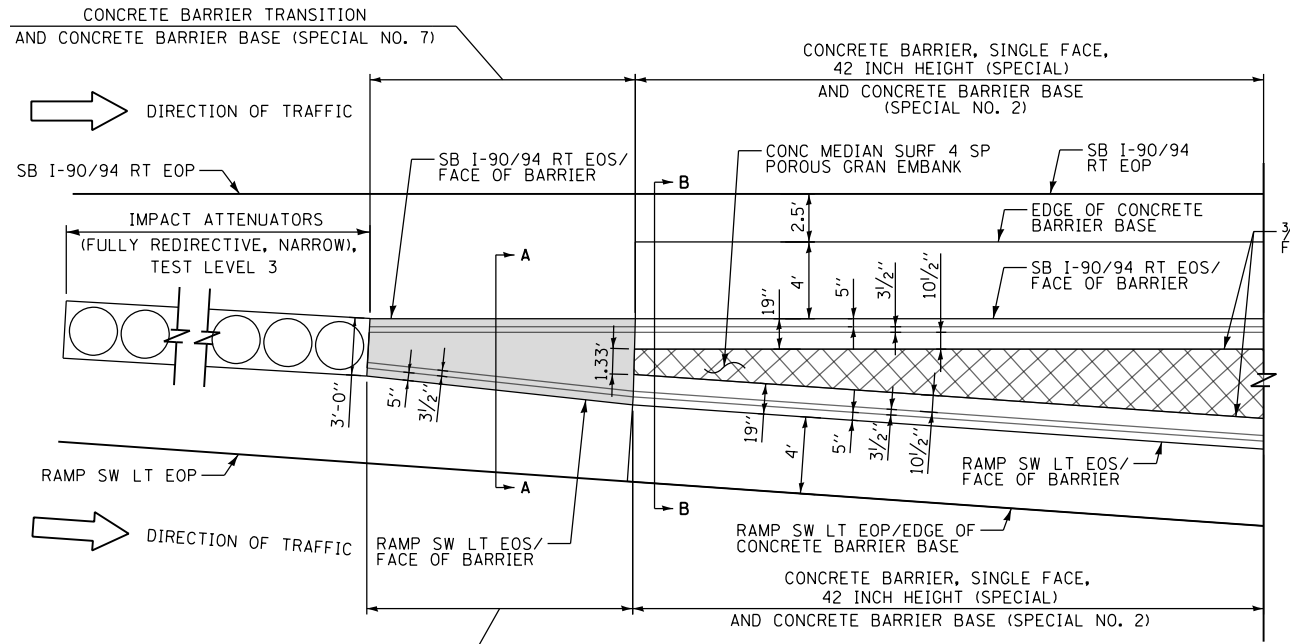
**PLAN VIEW**  
SCALE: 1"=10'



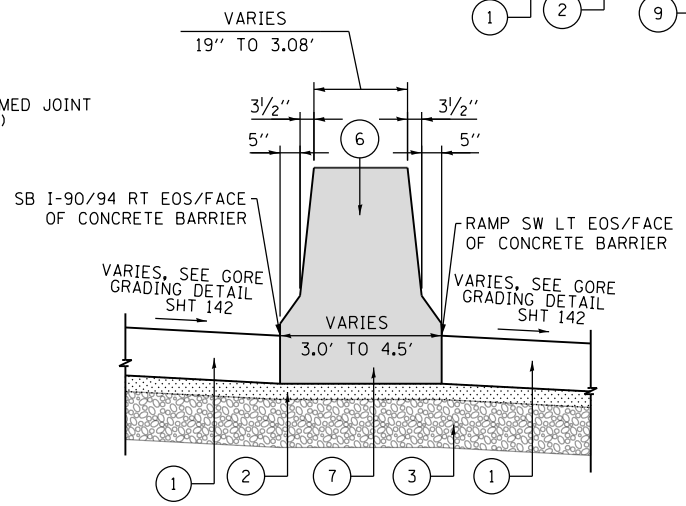
**DETAIL "A": ELEVATION VIEW**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 AND  
RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP GORE  
SCALE: NONE  
(LOOKING EAST)



**SECTION B-B**  
CONCRETE BARRIER WALL AT SB I-90/94 AND  
RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP GORE  
SCALE: NONE



**DETAIL "A": PLAN VIEW**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 AND  
RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP GORE  
SCALE: NONE



**SECTION A-A**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 AND  
RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP GORE  
SCALE: NONE

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - ⑤ POROUS GRANULAR EMBANKMENT
  - ⑥ CONCRETE BARRIER TRANSITION
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑧ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑨ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑩ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER

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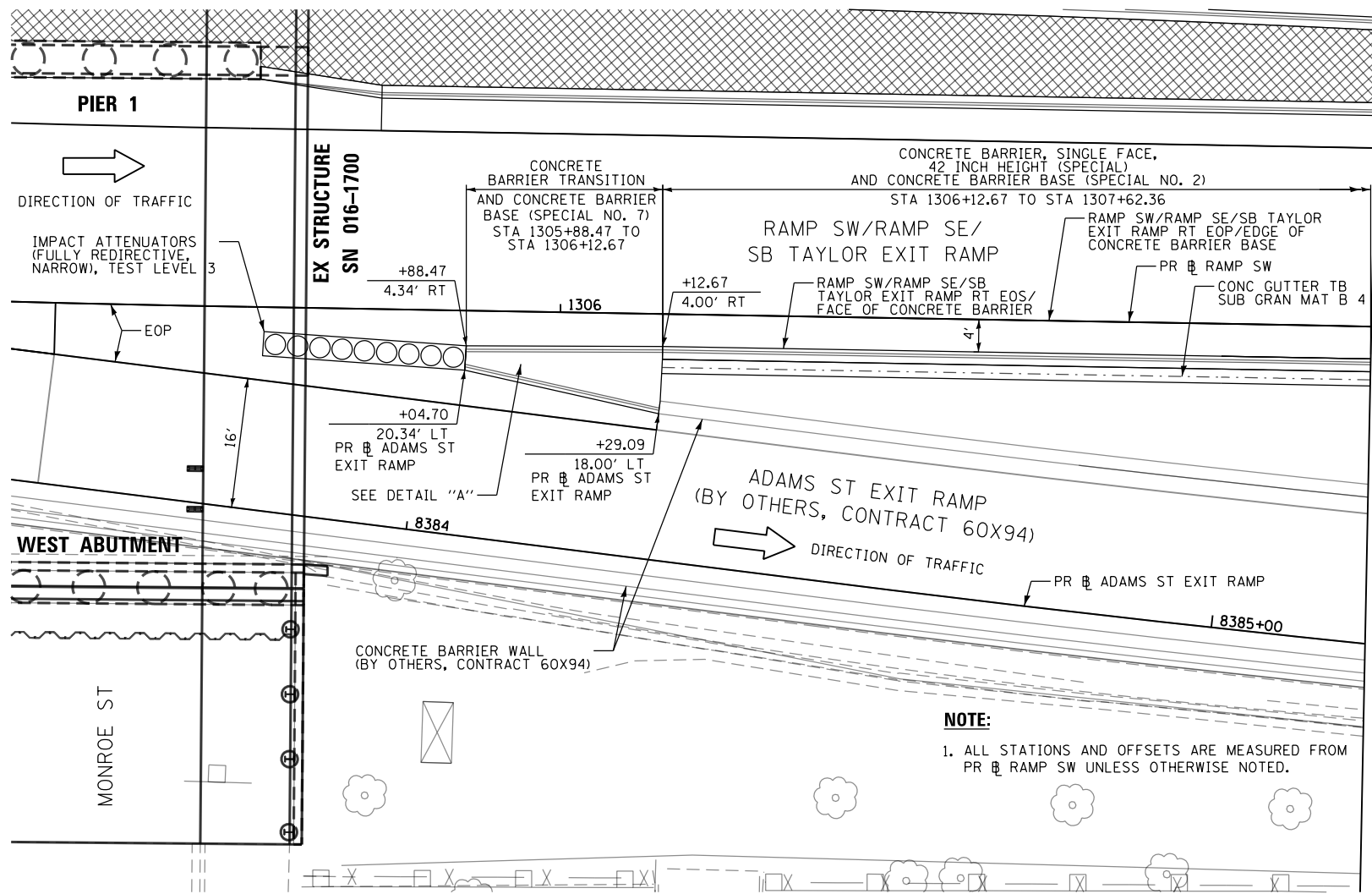


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PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

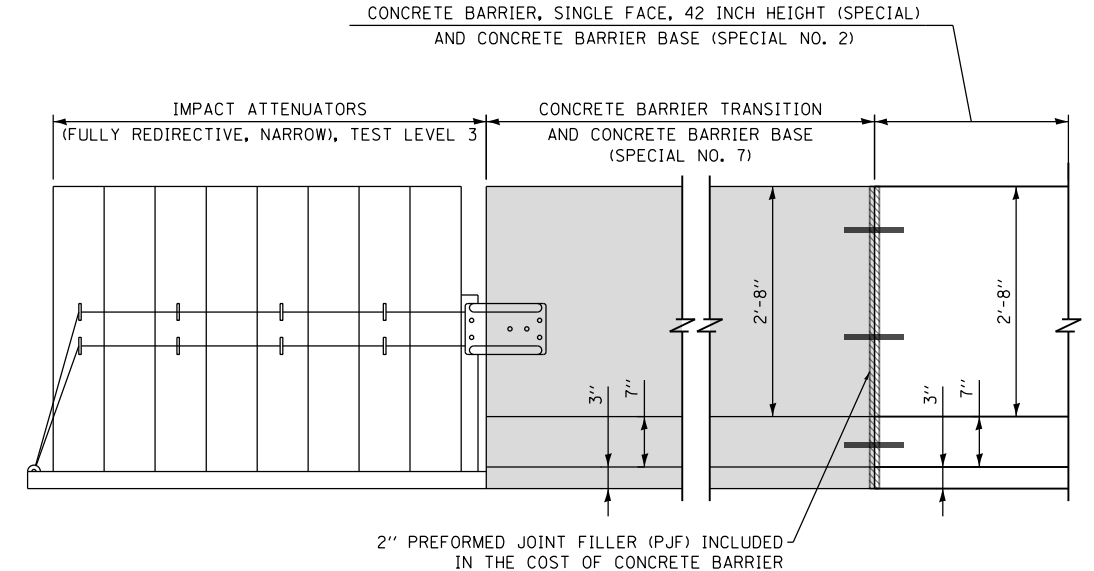
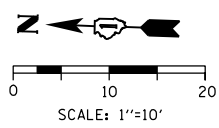
<b>CONCRETE BARRIER DETAILS</b>	
<b>CONCRETE BARRIER TRANSITION AT SB I-90/94 AND RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP GORE</b>	
SCALE: NONE	SHEET 11 OF 43 SHEETS
STA.	TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	172
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

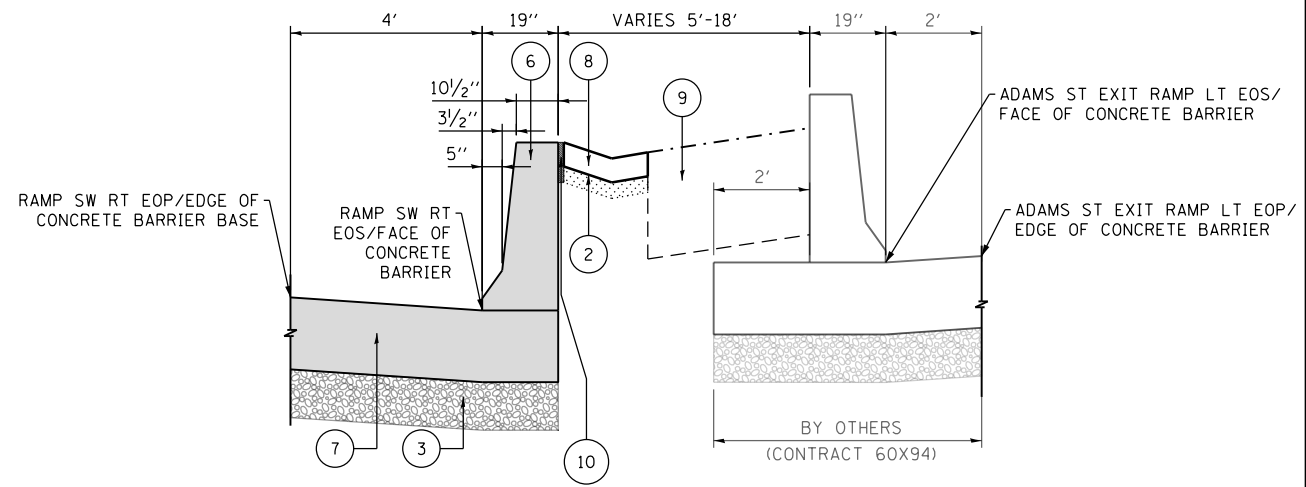


**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR # RAMP SW UNLESS OTHERWISE NOTED.

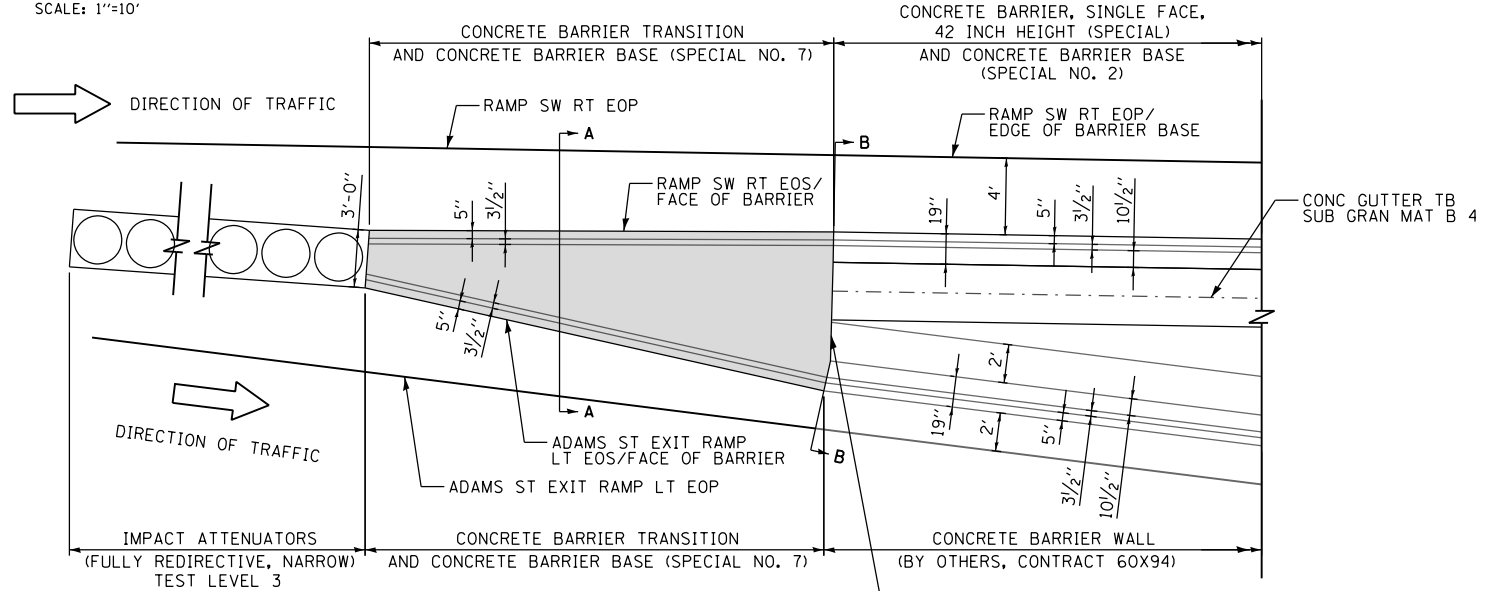
**PLAN VIEW**  
SCALE: 1"=10'



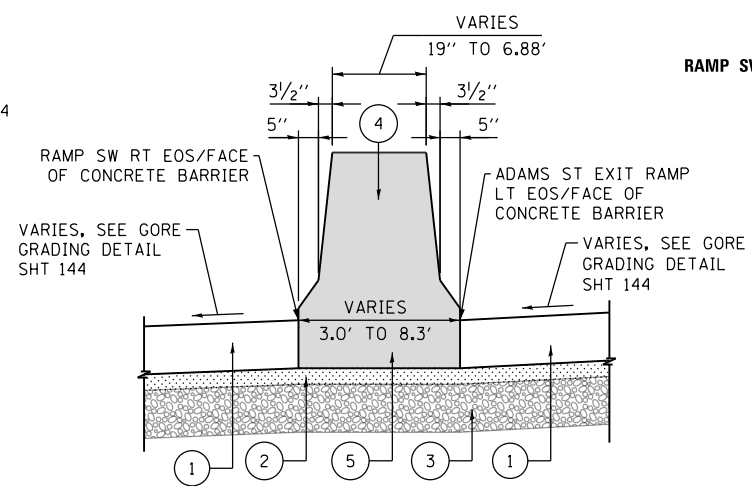
**DETAIL "A": ELEVATION VIEW**  
CONCRETE BARRIER TRANSITION AT RAMP SW AND ADAMS ST EXIT RAMP GORE  
SCALE: NONE (LOOKING EAST)



**SECTION B-B**  
CONCRETE BARRIER WALL AT RAMP SW AND ADAMS ST EXIT RAMP GORE  
SCALE: NONE



**DETAIL "A": PLAN VIEW**  
CONCRETE BARRIER TRANSITION AT RAMP SW AND ADAMS ST EXIT RAMP GORE  
SCALE: NONE



**SECTION A-A**  
CONCRETE BARRIER TRANSITION AT RAMP SW AND ADAMS ST EXIT RAMP GORE  
SCALE: NONE

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER TRANSITION
  - ⑤ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑥ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑧ CONCRETE GUTTER, TYPE B
  - ⑨ TOPSOIL FURNISH AND PLACE, 24"
  - ⑩ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER

FILE PATH = p:\aecom\ms-ansi\encom\local\encom\0502\_mn\Documents\01\_Americas\Transportation\60269938\_Circle Phase 1\000\_CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-DETAIL-BAR-09.dgn



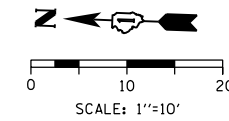
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PLOT DATE = 1/31/2020

DESIGNED - OPS	REVISED -
DRAWN - LMB	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

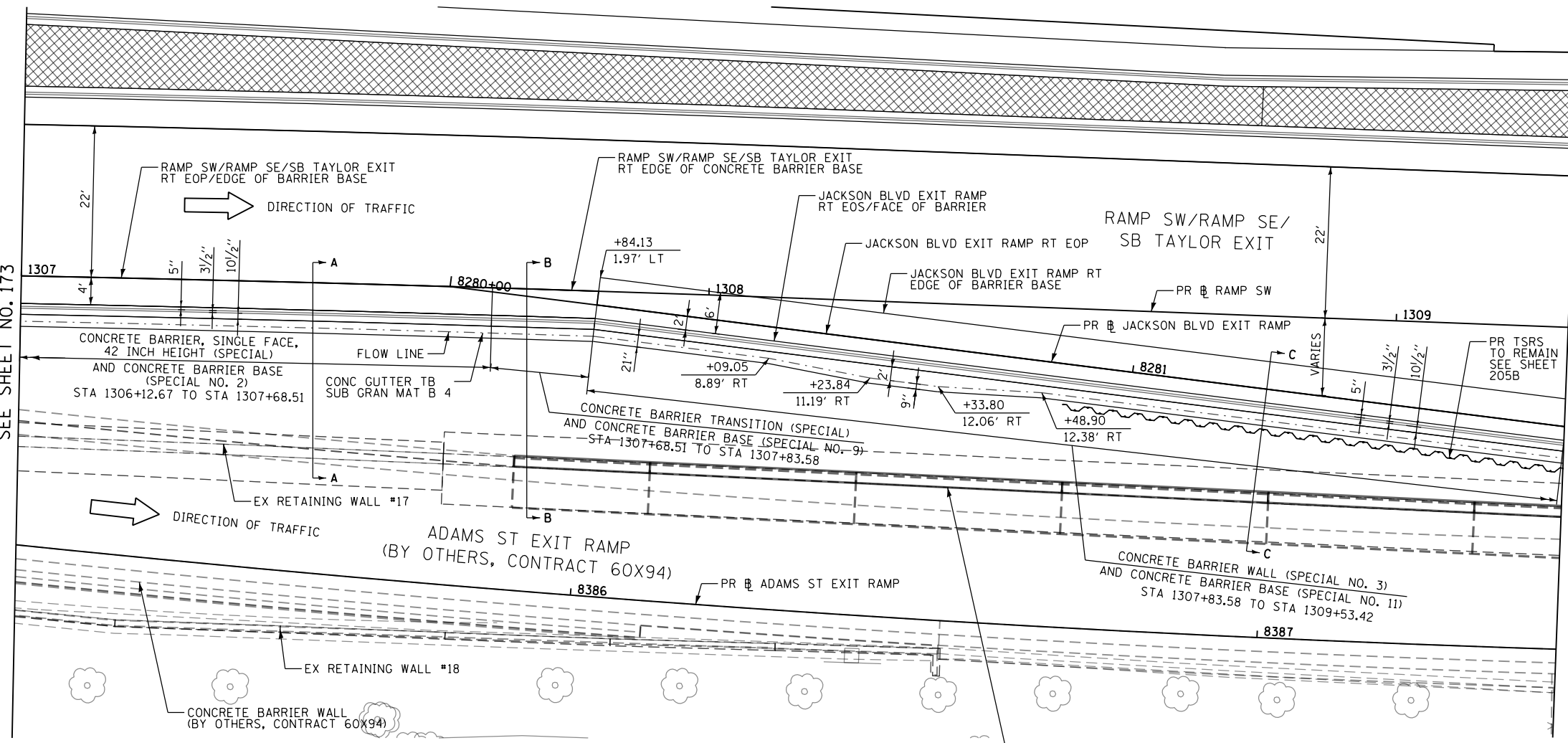
CONCRETE BARRIER DETAILS	
CONCRETE BARRIER TRANSITION AT RAMP SW AND ADAMS ST EXIT RAMP GORE	
SCALE: NONE	SHEET 12 OF 43 SHEETS STA. TO STA.

F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 173
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



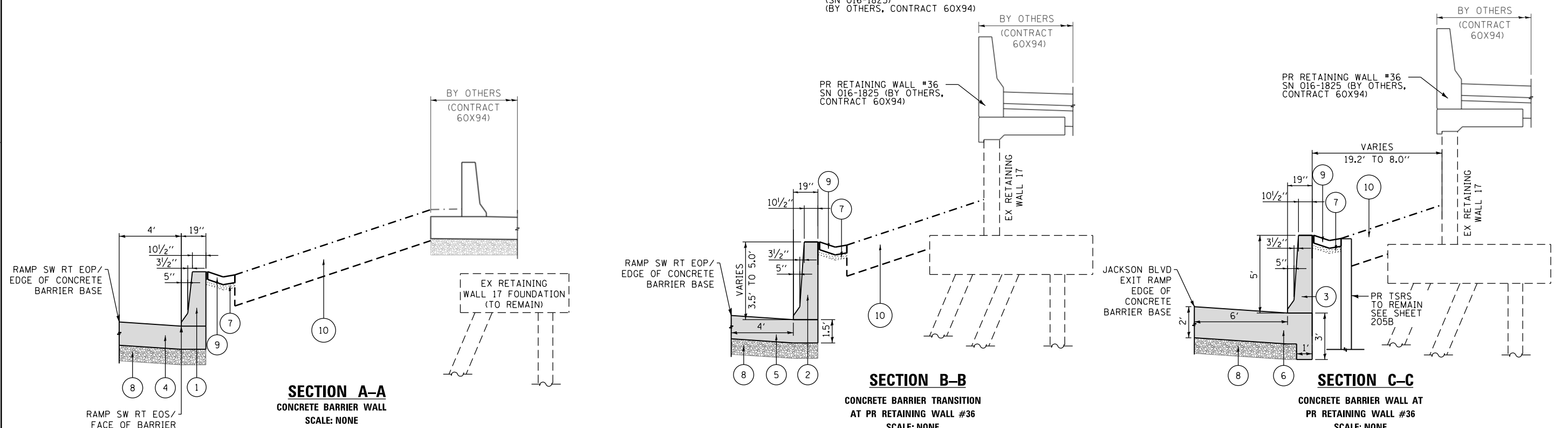
MATCH LINE STA 1307+00 (PR RAMP SW) SEE SHEET NO. 173

MATCH LINE STA 1307+00 (PR RAMP SW) SEE SHEET NO. 175



**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR RAMP SW UNLESS OTHERWISE NOTED.

- LEGEND:**
- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ② CONCRETE BARRIER TRANSITION (SPECIAL)
  - ③ CONCRETE BARRIER WALL (SPECIAL NO. 3)
  - ④ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑤ CONCRETE BARRIER BASE (SPECIAL NO. 9)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 11)
  - ⑦ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑨ CONCRETE GUTTER, TYPE B
  - ⑩ TOPSOIL FURNISH AND PLACE, 24"
  - ⑪ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**SECTION A-A**  
CONCRETE BARRIER WALL  
SCALE: NONE

**SECTION B-B**  
CONCRETE BARRIER TRANSITION  
AT PR RETAINING WALL #36  
SCALE: NONE

**SECTION C-C**  
CONCRETE BARRIER WALL AT  
PR RETAINING WALL #36  
SCALE: NONE



D162A77-SHT-DETAIL-BAR-10.dgn	DESIGNED - OPS	REVISED -
USER NAME = dshevoz	DRAWN - ZND	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
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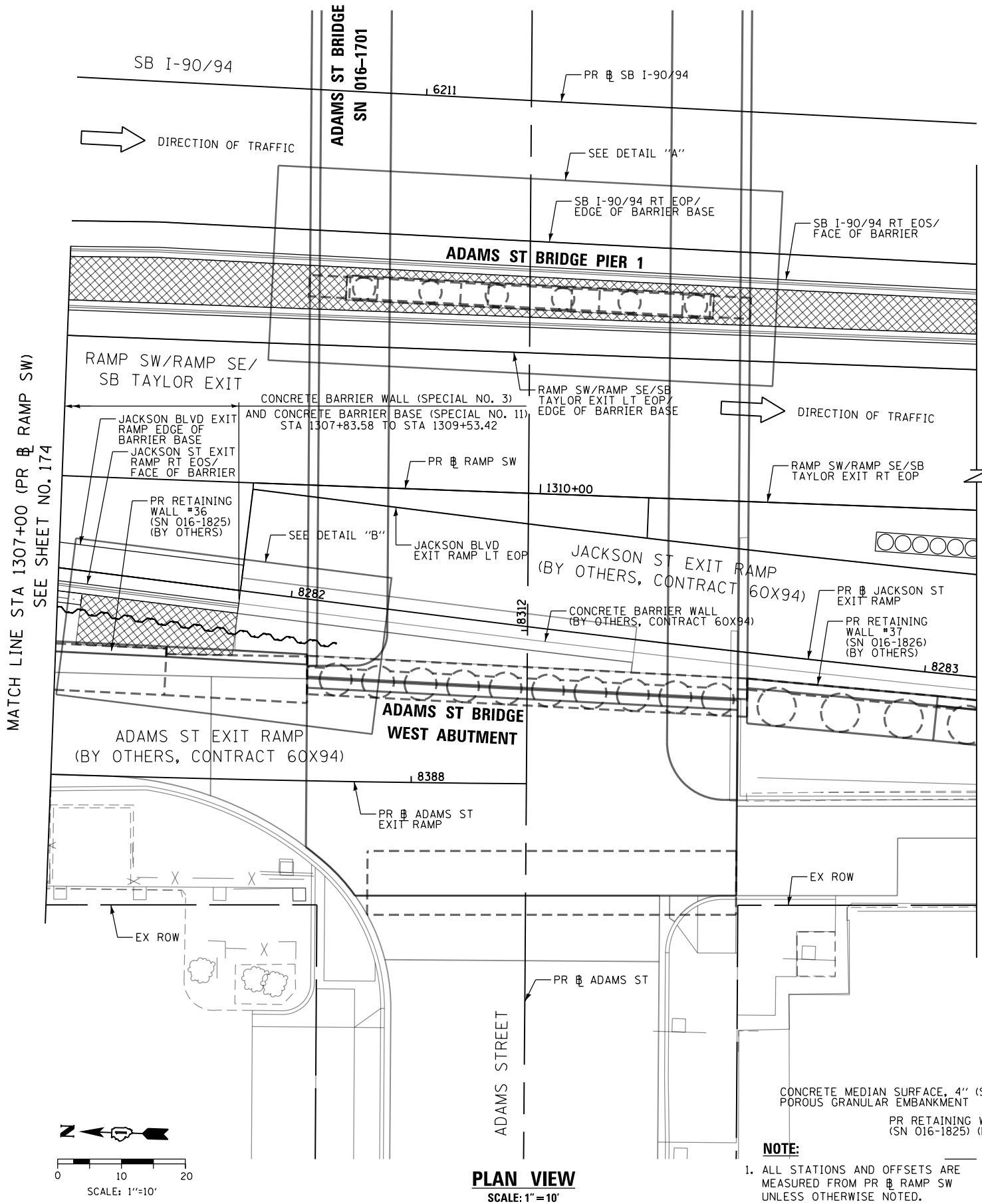
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
JACKSON BLVD EXIT RAMP

SCALE: NONE SHEET 13 OF 43 SHEETS STA. TO STA.

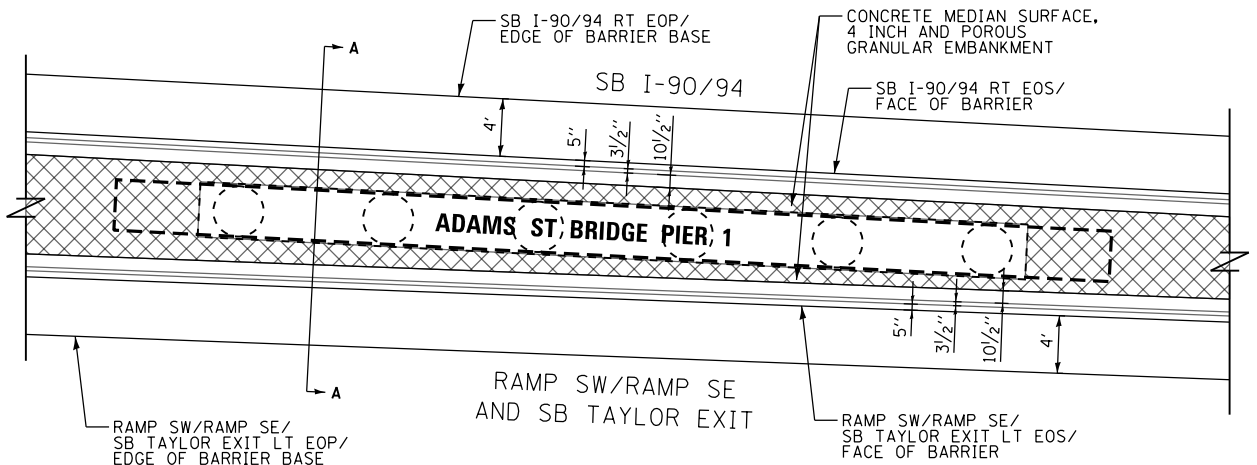
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	174
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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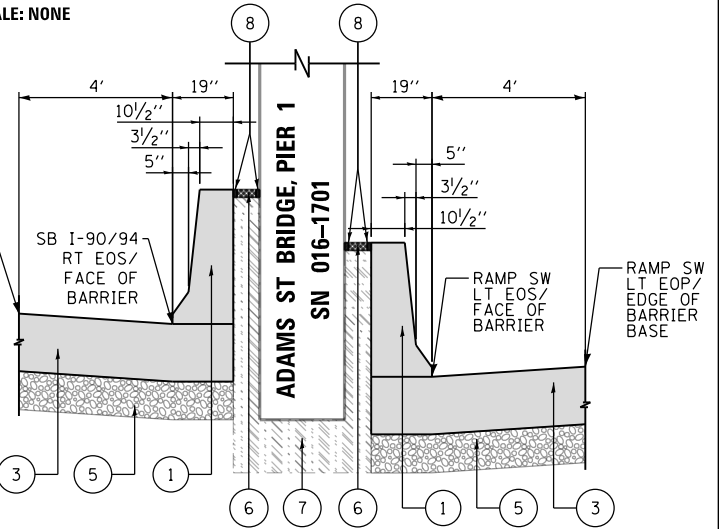
**PLAN VIEW**  
SCALE: 1"=10'

**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR # RAMP SW UNLESS OTHERWISE NOTED.

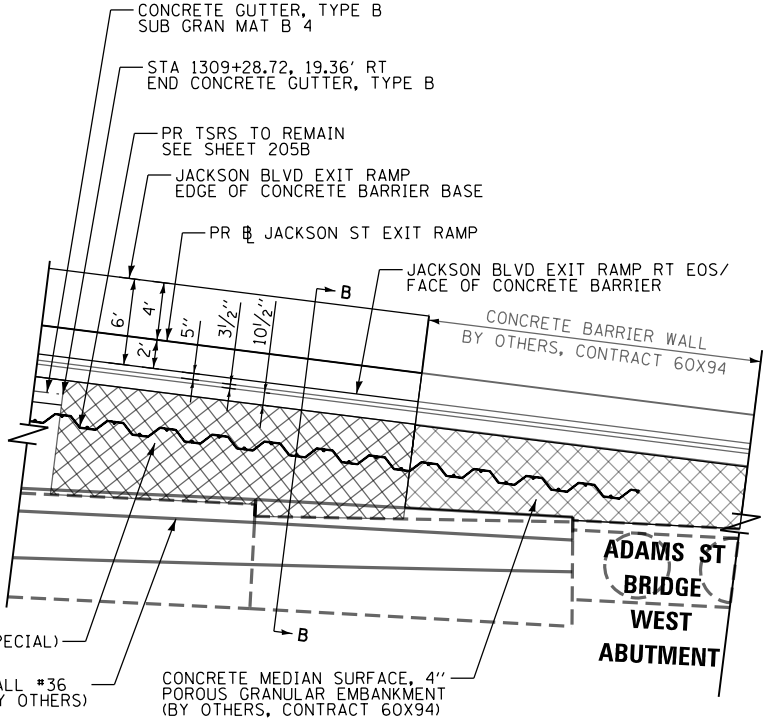


**DETAIL "A": PLAN VIEW**  
ADAMS STREET BRIDGE PIER 1  
SCALE: NONE

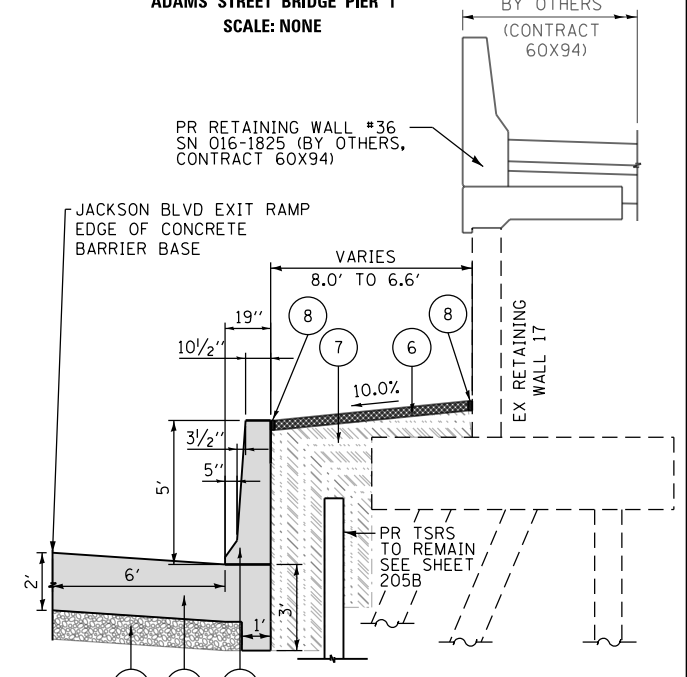
- LEGEND:**
- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ② CONCRETE BARRIER WALL (SPECIAL NO. 3)
  - ③ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ④ CONCRETE BARRIER BASE (SPECIAL NO. 11)
  - ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑥ CONCRETE MEDIAN SURFACE, 4" (SPECIAL)
  - ⑦ POROUS GRANULAR EMBANKMENT
  - ⑧ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**SECTION A-A**  
ADAMS STREET BRIDGE PIER 1  
SCALE: NONE



**DETAIL "B": PLAN VIEW**  
CONCRETE BARRIER AT ADAMS ST BRIDGE WEST ABUTMENT  
SCALE: NONE



**SECTION B-B**  
CONCRETE BARRIER WALL AT PR RETAINING WALL #36  
SCALE: NONE



D162A77-SHT-DETAIL-BAR-12.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 3/4/2020

DESIGNED - OPS  
DRAWN - LMB  
CHECKED - MJE  
DATE - 3/4/2020

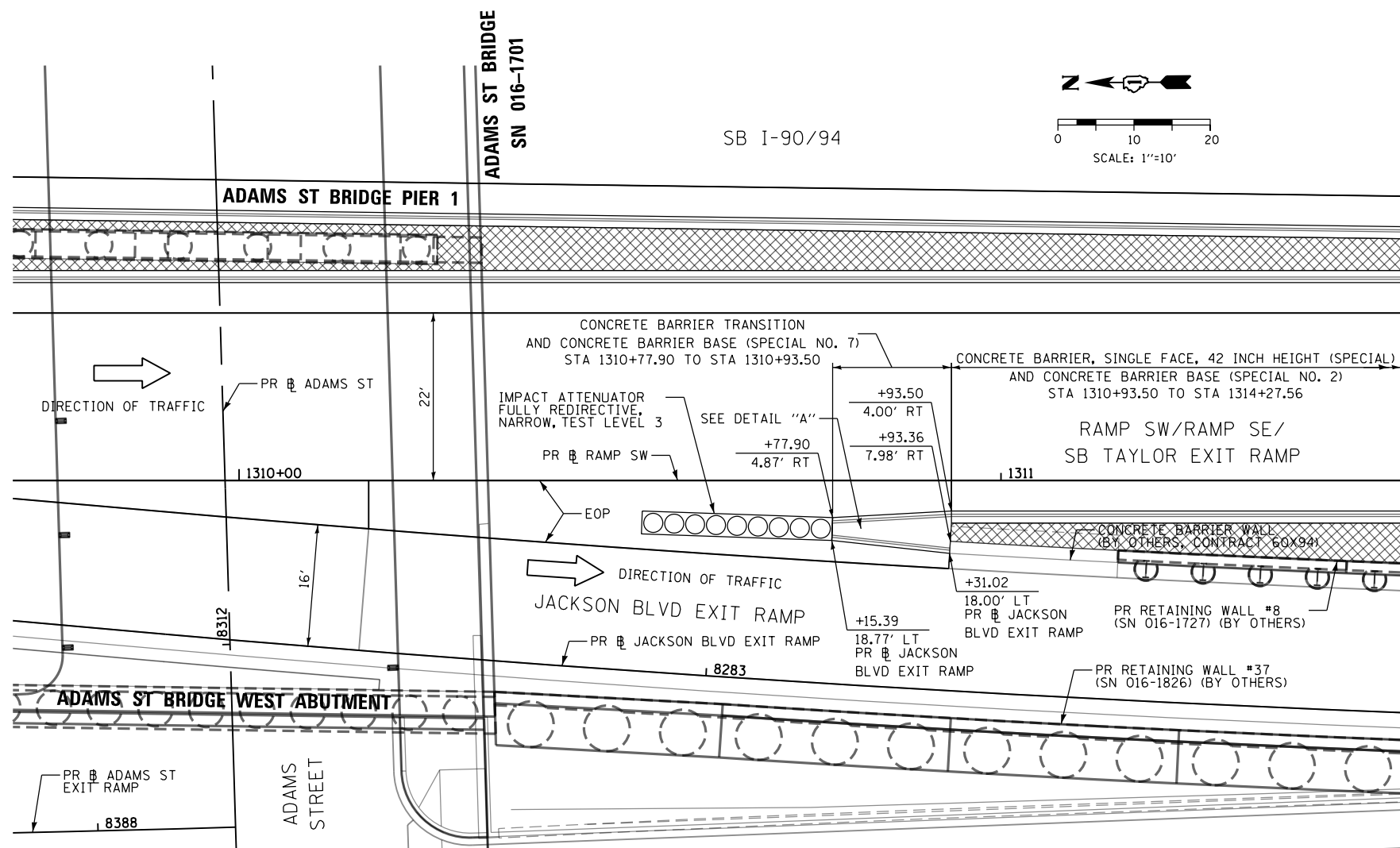
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
ADAMS STREET BRIDGE PIER 1 & WEST ABUTMENT  
SCALE: NONE SHEET 14 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	175
				CONTRACT NO. 62A77

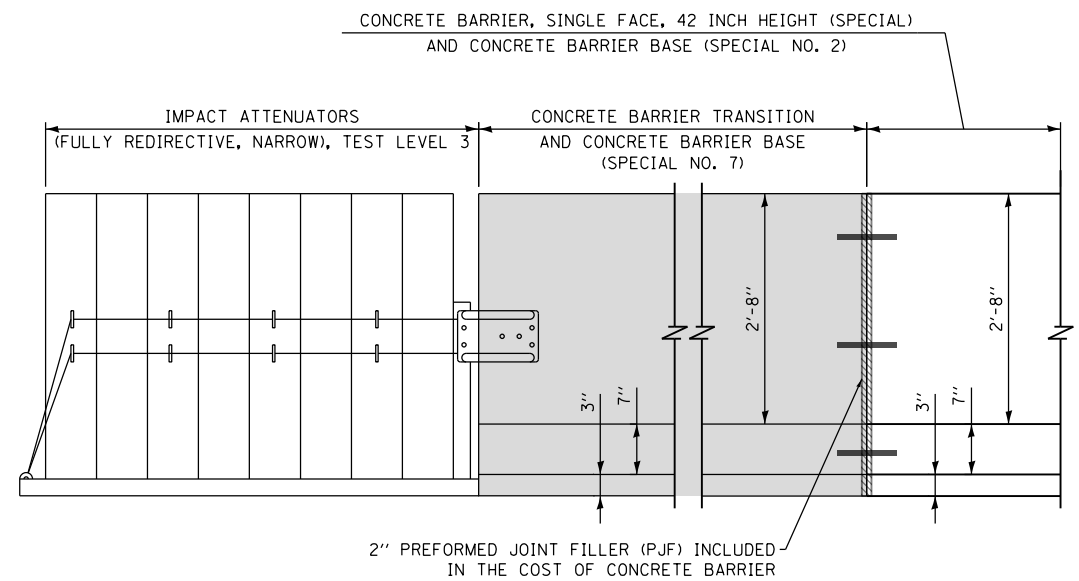
ILLINOIS FED. AID PROJECT

FILE PATH = p:\naecom\na-ans\encom\local\ecom\0502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\006\_Roadway\Sheets\62A77-SHT-DETAIL-BAR-13.dgn

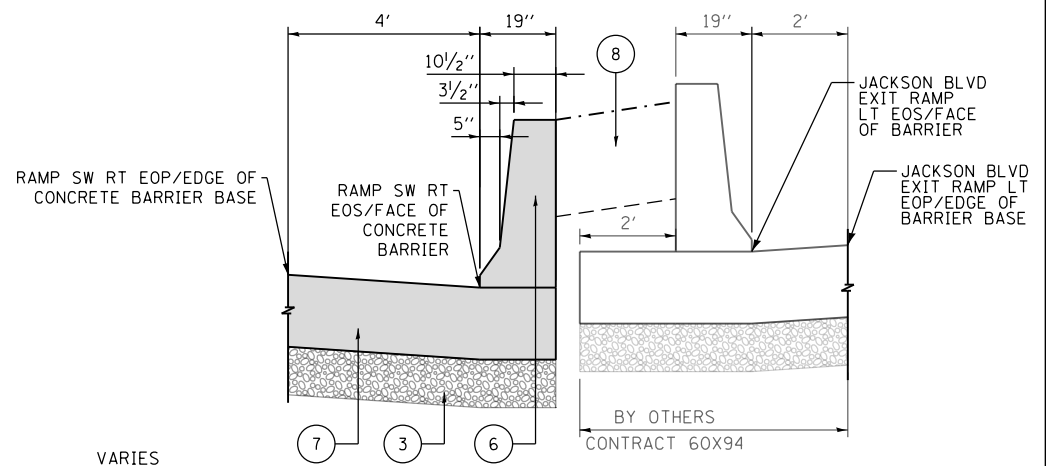


**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR # RAMP SW UNLESS OTHERWISE NOTED.

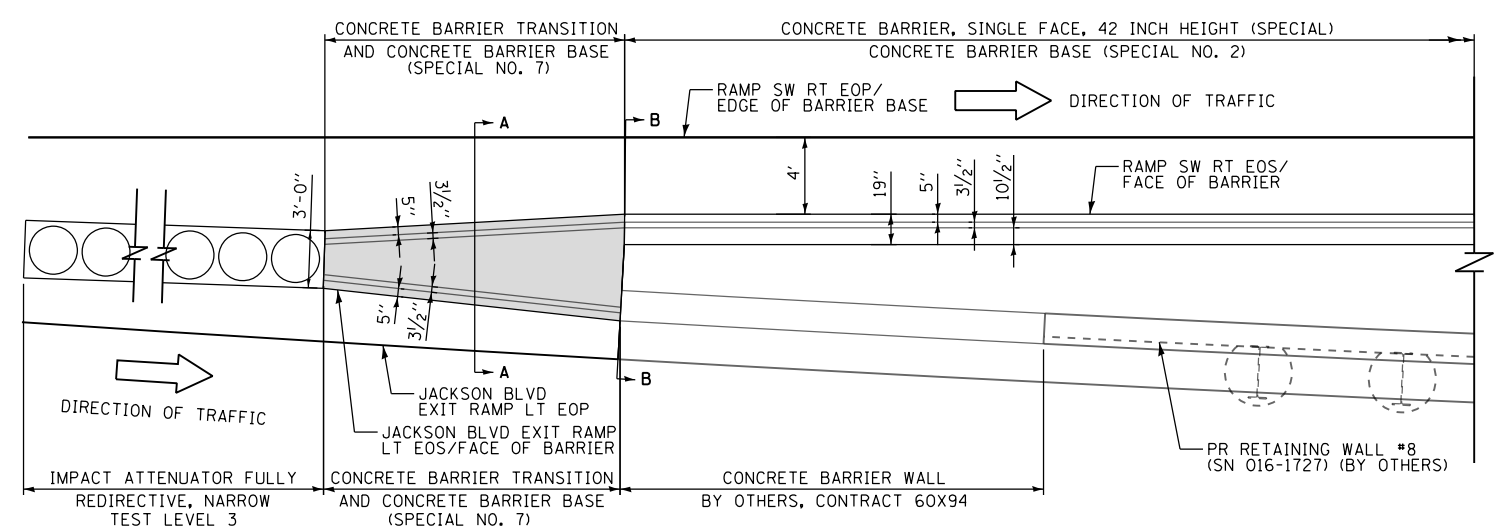
**PLAN VIEW**  
SCALE: 1"=10'



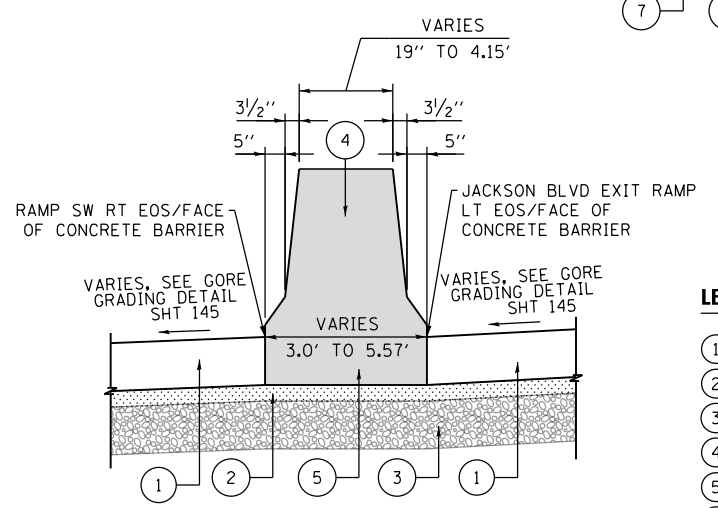
**DETAIL "A": ELEVATION VIEW**  
CONCRETE BARRIER TRANSITION AT RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP AND JACKSON BLVD EXIT RAMP GORE  
SCALE: NONE (LOOKING EAST)



**SECTION B-B**  
CONCRETE BARRIER WALL AT RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP AND JACKSON BLVD EXIT RAMP GORE  
SCALE: NONE



**DETAIL "A": PLAN VIEW**  
CONCRETE BARRIER TRANSITION AT RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP AND JACKSON BLVD EXIT RAMP GORE  
SCALE: NONE



**SECTION A-A**  
CONCRETE BARRIER TRANSITION AT RAMP SW/RAMP SE/SB TAYLOR EXIT RAMP AND JACKSON BLVD EXIT RAMP GORE  
SCALE: NONE

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - ② SUBBASE GRAUNULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER TRANSITION
  - ⑤ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑥ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑧ TOPSOIL FURNISH AND PLACE, 24"



D162A77-SHT-DETAIL-BAR-13.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - OPS  
DRAWN - LMB  
CHECKED - MJE  
DATE - 1/29/2019

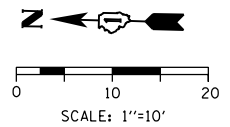
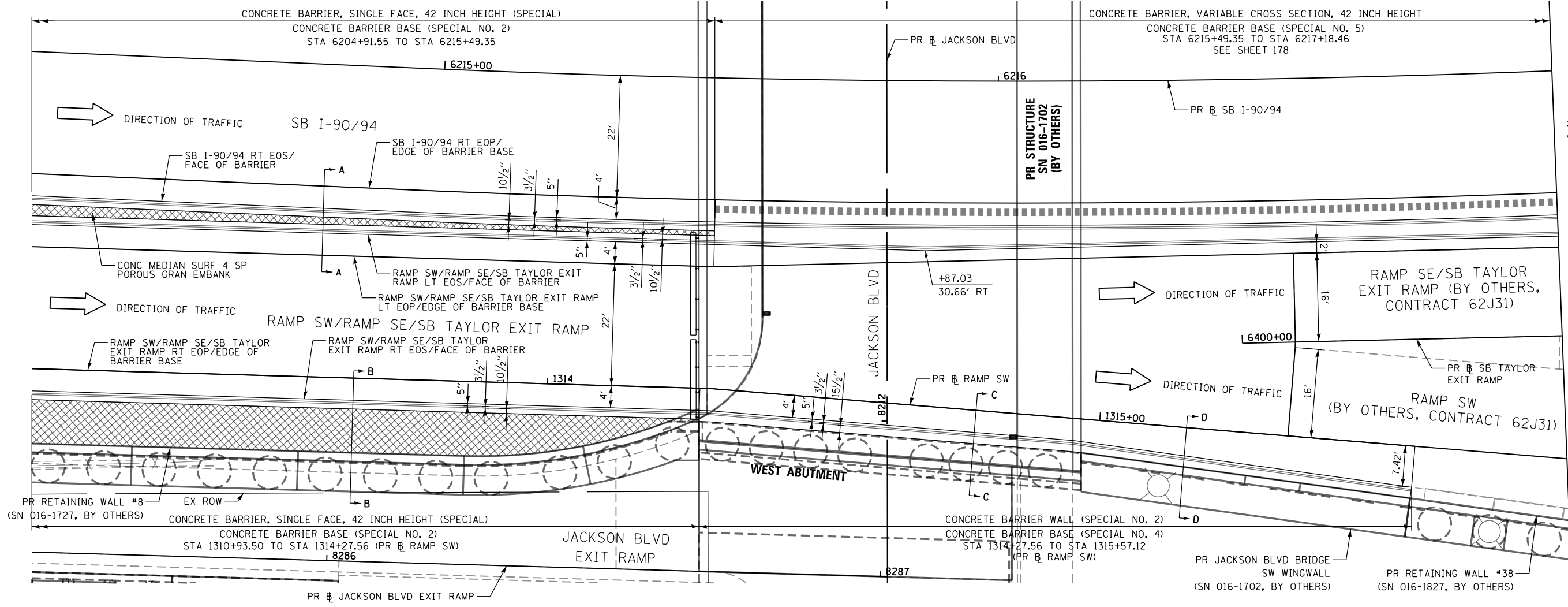
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT RAMP SW AND JACKSON BLVD EXIT RAMP GORE  
SCALE: NONE SHEET 15 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	176
CONTRACT NO. 62A77				

ILLINOIS FED. AID PROJECT

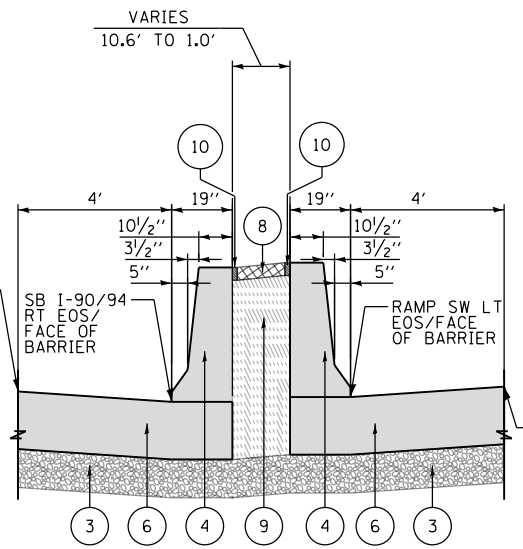
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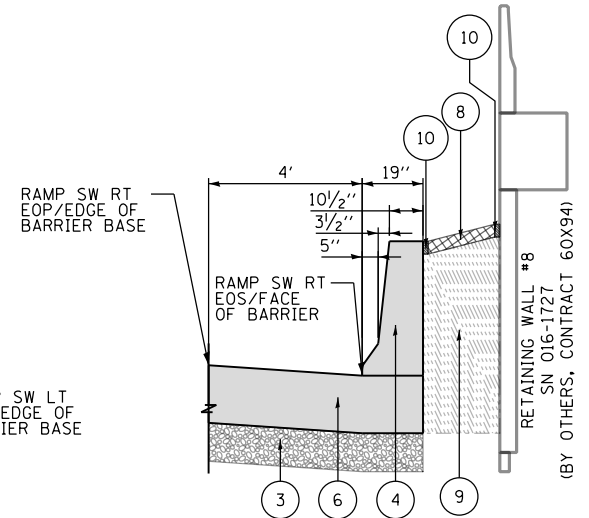
MATCH LINE STA 6217+00 (PR SB I-90/94) SEE SHEET NO. 178

**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.

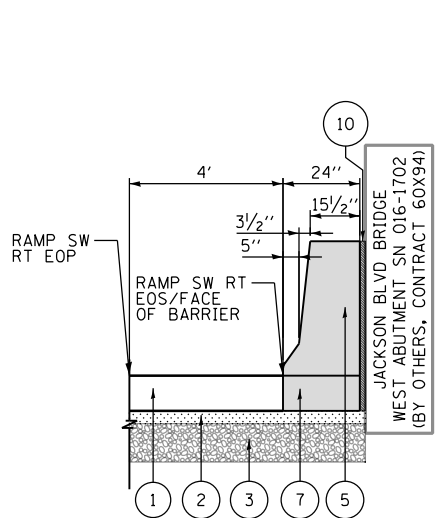
- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑤ CONCRETE BARRIER WALL (SPECIAL NO. 2)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 4)
  - ⑧ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - ⑨ POROUS GRANULAR EMBANKMENT
  - ⑩ 3\*4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



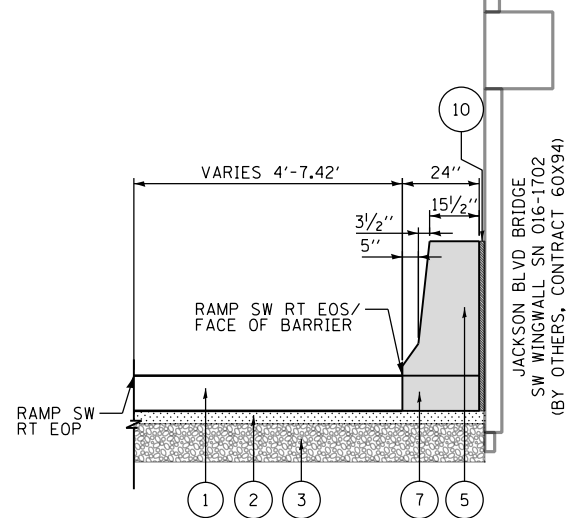
**SECTION A-A**  
SCALE: NONE



**SECTION B-B**  
SCALE: NONE



**SECTION C-C**  
SCALE: NONE



**SECTION D-D**  
SCALE: NONE



D162A77-SHT-DETAIL-BAR-14.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - OPS  
DRAWN - ZND  
CHECKED - MJE  
DATE - 1/29/2019

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

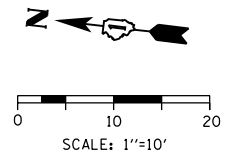
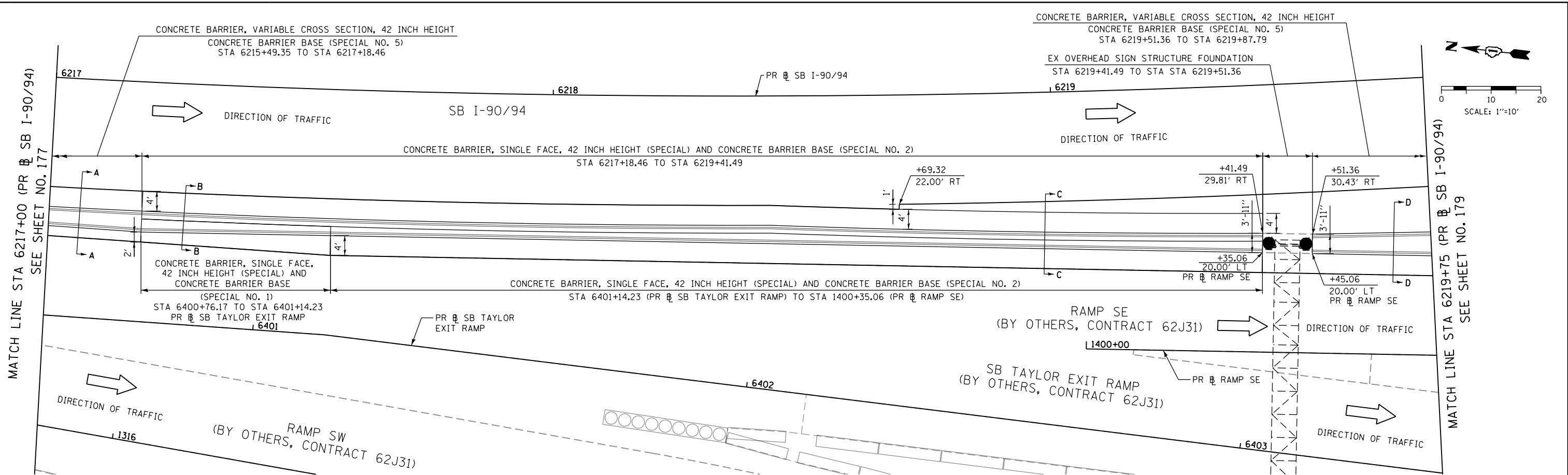
CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
JACKSON BLVD BRIDGE

SCALE: NONE SHEET 16 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	177
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



FILE PATH = p:\VACOM-Na-AVSI\encom\line\local\AECOM\_D502\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_1\1000\_CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-DET-15.dgn

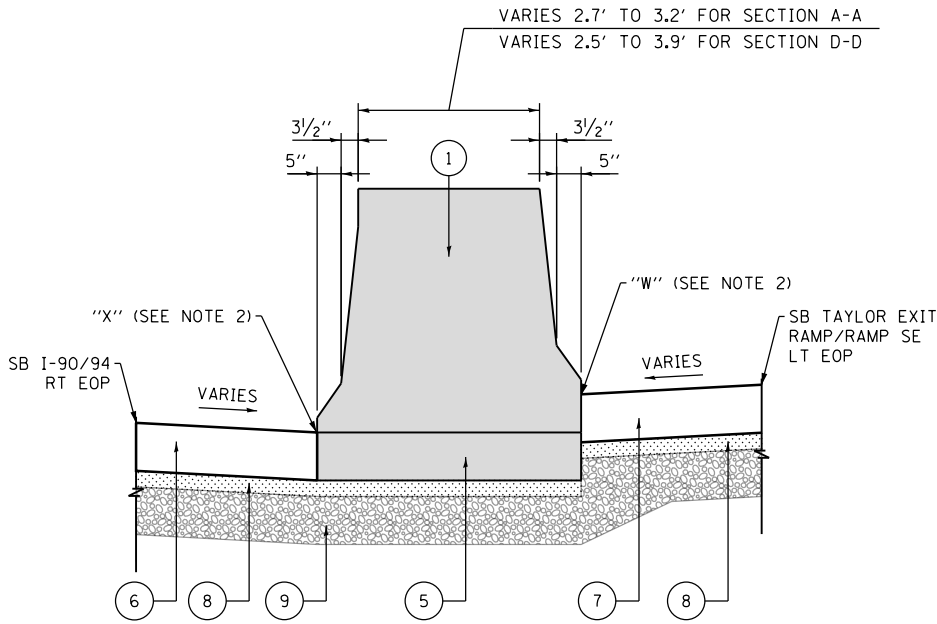


**LEGEND:**

- ① CONCRETE BARRIER, VARIABLE CROSS SECTION, 42 INCH HEIGHT
- ② CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ③ CONCRETE BARRIER BASE (SPECIAL NO. 1)
- ④ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑤ CONCRETE BARRIER BASE (SPECIAL NO. 5)
- ⑥ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ⑦ PORTLAND CEMENT CONCRETE SHOULDERS 11"
- ⑧ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑨ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑩ 2" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER

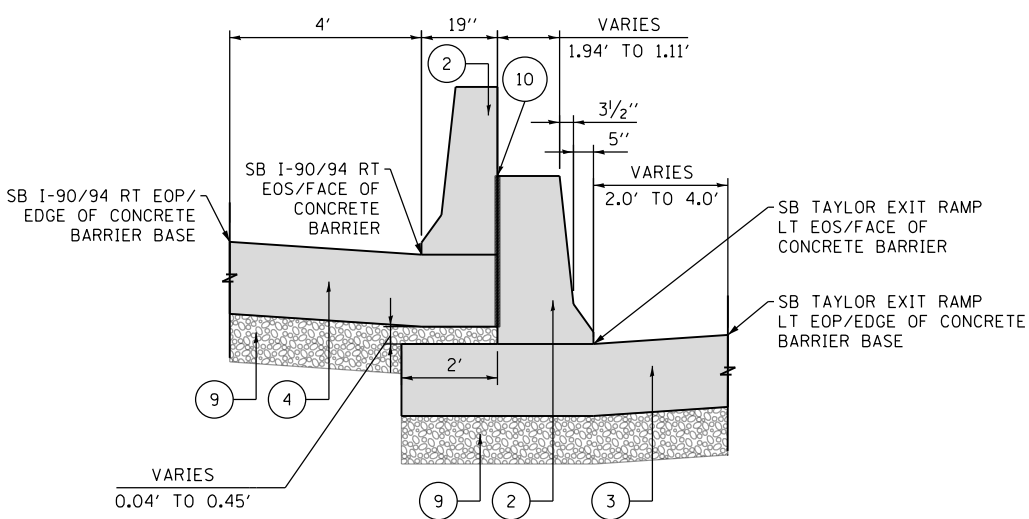
**NOTE:**

- 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.
- 2. SEE SHEET 167A FOR "X" AND "W" ELEVATIONS AND OFFSETS.



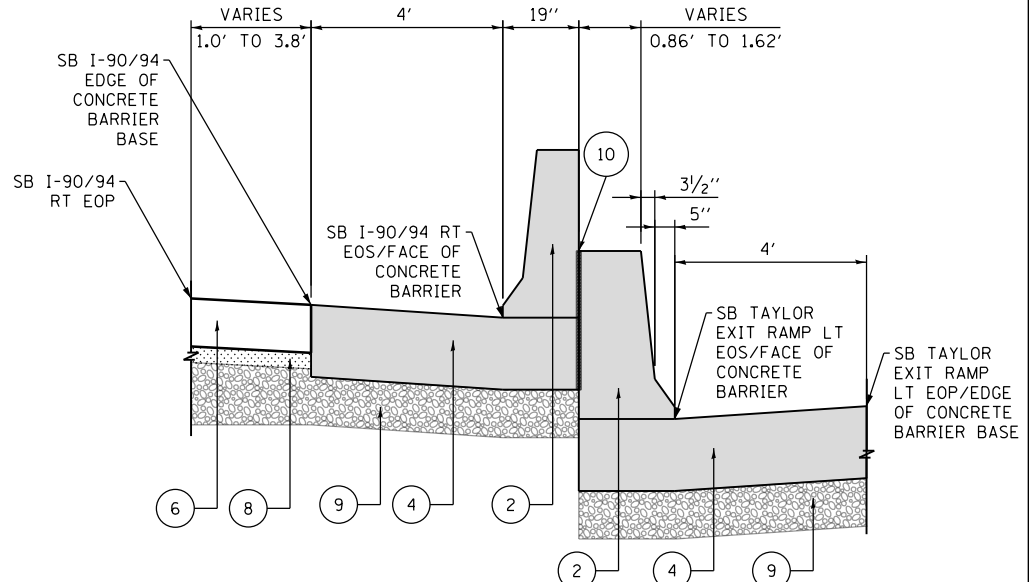
**SECTION A-A AND SECTION D-D**

CONCRETE BARRIER, VARIABLE CROSS SECTION  
SCALE: NONE



**SECTION B-B**

SCALE: NONE



**SECTION C-C**

SCALE: NONE

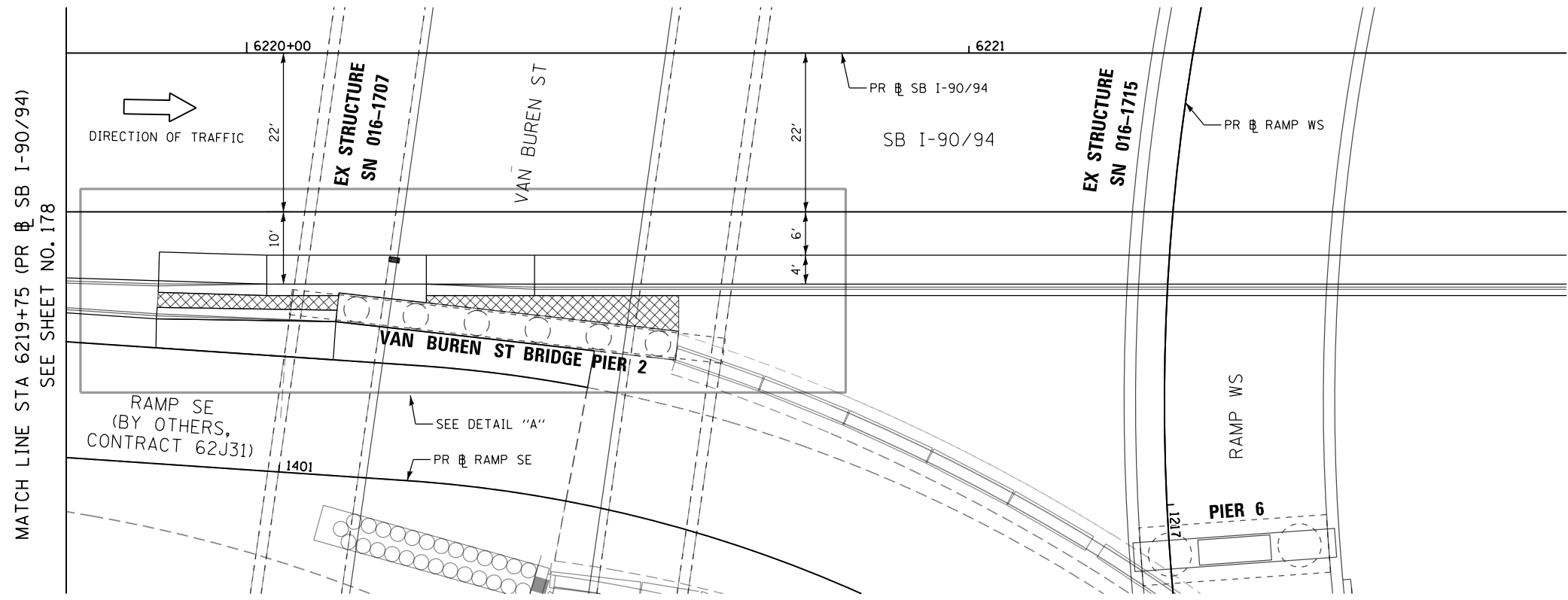


D162A77-SHT-DETAIL-BAR-15.dgn	DESIGNED - OPS	REVISED -
USER NAME = dshevoz	DRAWN - ZND	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 2/28/2020	DATE - 3/4/2020	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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<b>CONCRETE BARRIER DETAILS</b>	
<b>CONCRETE BARRIER, VARIABLE CROSS SECTION 42 INCH HEIGHT</b>	
SCALE: NONE	SHEET 17 OF 43 SHEETS
STA.	TO STA.

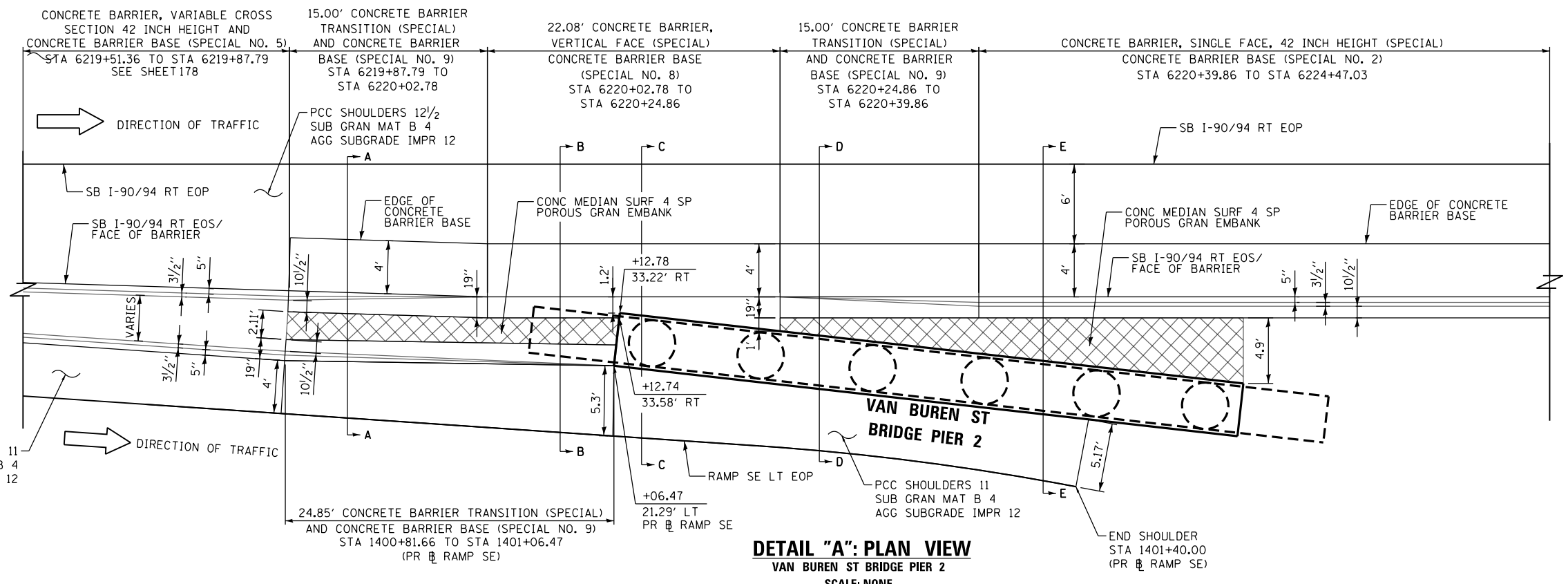
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	178
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**PLAN VIEW**  
SCALE: 1"=10'

**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR @ SB I-90/94 UNLESS OTHERWISE NOTED.
2. SEE BARRIER DETAIL SHEET 180 FOR DETAIL "A"; ELEVATION VIEW AND SECTIONS A-A, B-B, C-C, D-D, AND E-E.



**DETAIL "A": PLAN VIEW**  
VAN BUREN ST BRIDGE PIER 2  
SCALE: NONE

FILE PATH = p:\aecom\ms-ansi\ecomon\line\local\AECOM\_DS02\_MN\Documents\01\_Americas\Transportation\60269938\_Circle Phase\11\000\_CAD\006\_Roadway\Sheets\62A77-SHT-DETAILED-BAR-16.dgn



D162A77-SHT-DETAIL-BAR-16.dgn  
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PLOT DATE = 1/31/2020

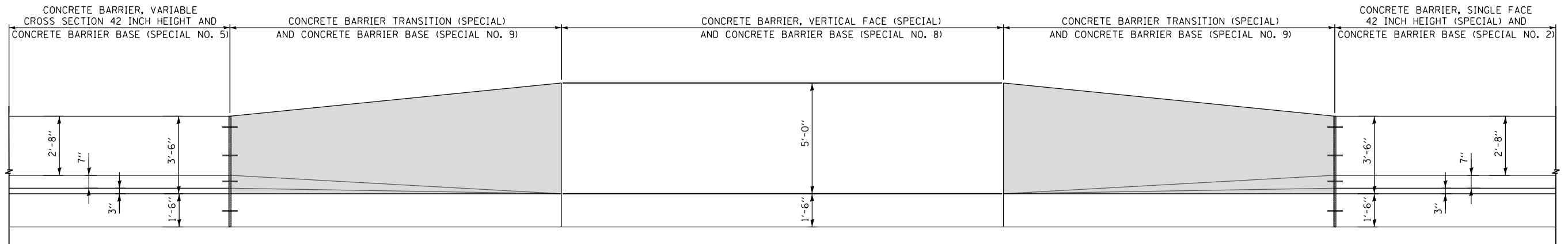
DESIGNED - OPS	REVISED -
DRAWN - ZND	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
VAN BUREN ST BRIDGE PIER 2

SCALE: NONE SHEET 18 OF 43 SHEETS STA. TO STA.

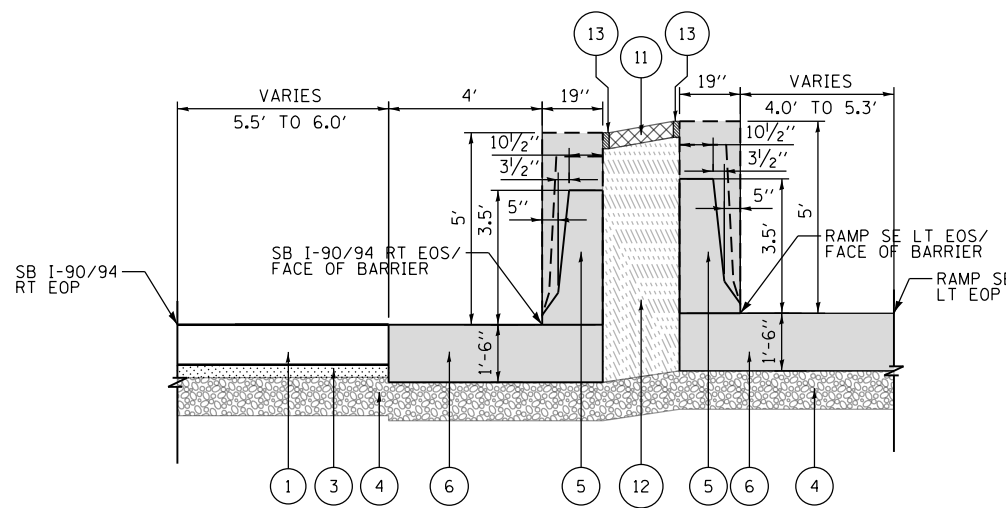
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	179
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**DETAIL "A": ELEVATION VIEW**

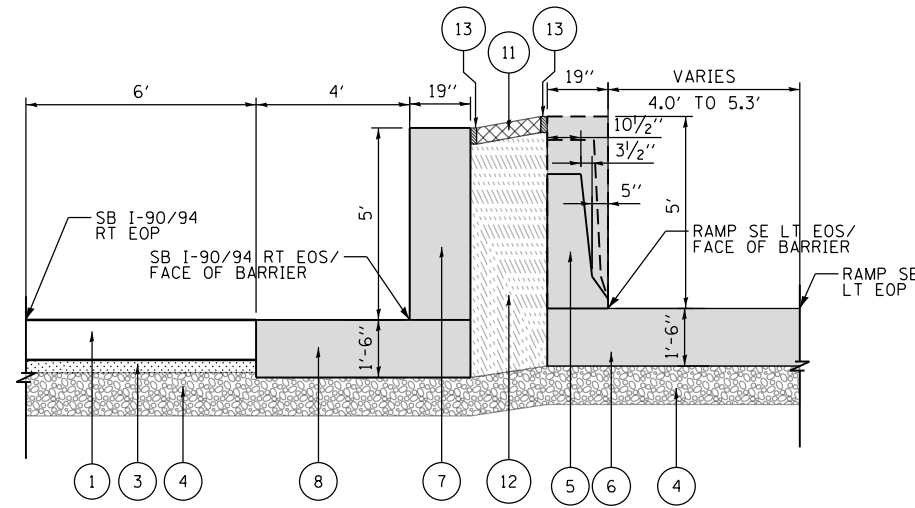
VAN BUREN ST BRIDGE PIER 2

SCALE: NONE



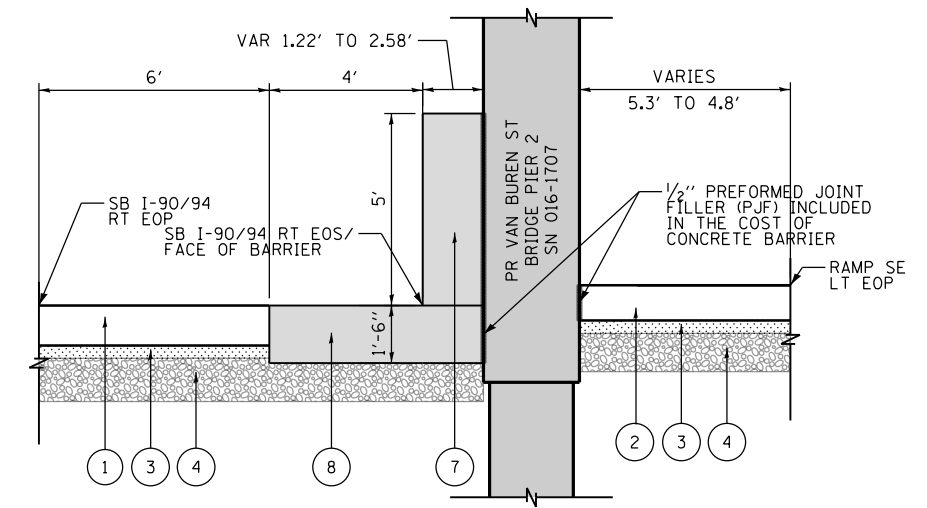
**SECTION A-A**

SCALE: NONE



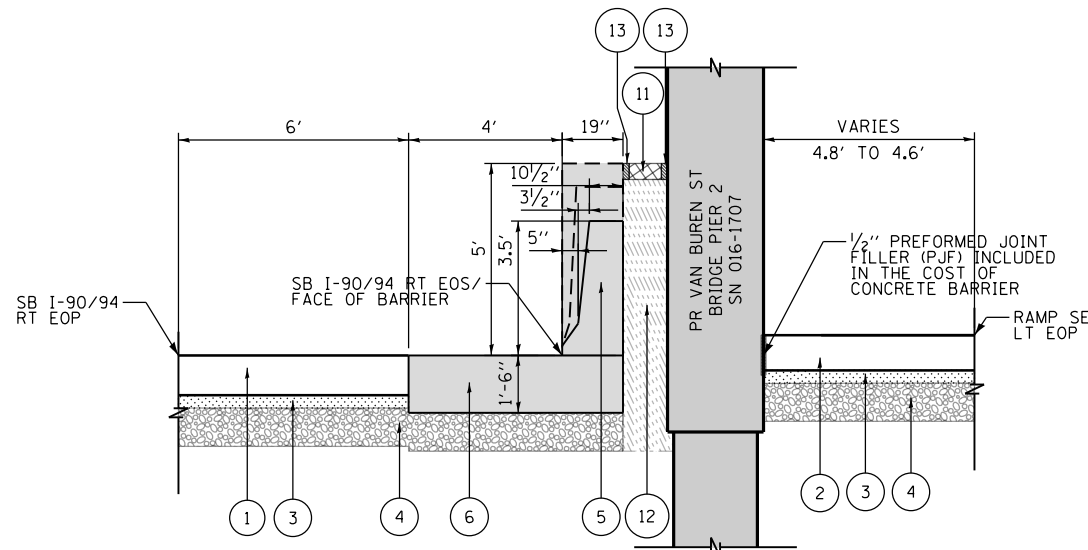
**SECTION B-B**

SCALE: NONE



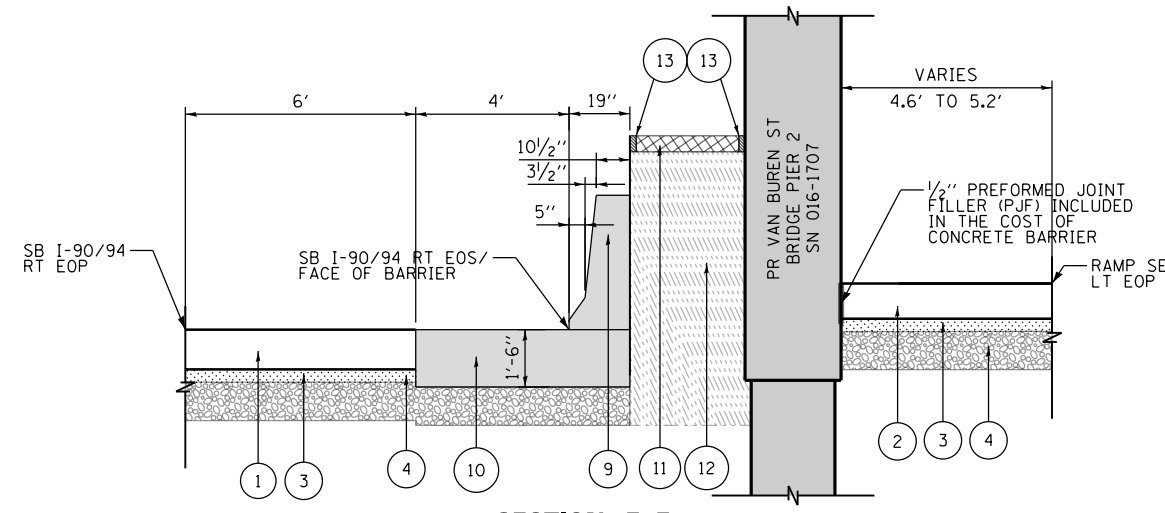
**SECTION C-C**

SCALE: NONE



**SECTION D-D**

SCALE: NONE



**SECTION E-E**

SCALE: NONE

**LEGEND:**

- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ② PORTLAND CEMENT CONCRETE SHOULDERS 11"
- ③ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE BARRIER TRANSITION (SPECIAL)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 9)
- ⑦ CONCRETE BARRIER, VERTICAL FACE (SPECIAL)
- ⑧ CONCRETE BARRIER BASE (SPECIAL NO. 8)
- ⑨ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑩ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑪ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
- ⑫ POROUS GRANULAR EMBANKMENT
- ⑬ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER

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D162A77-SHT-DETAIL-BAR-16A.dgn  
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 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/31/2020

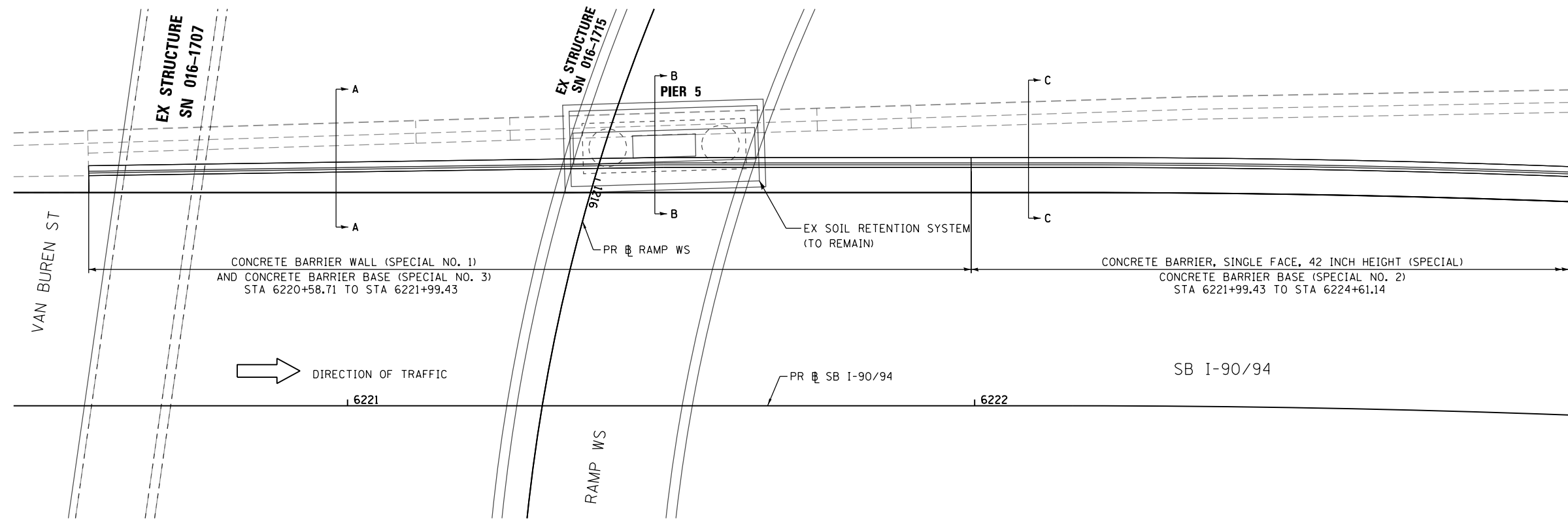
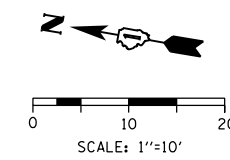
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DRAWN - LMB	REVISED -
CHECKED - MJE	REVISED -
DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
 CONCRETE BARRIER AT  
 VAN BUREN ST BRIDGE PIER 2

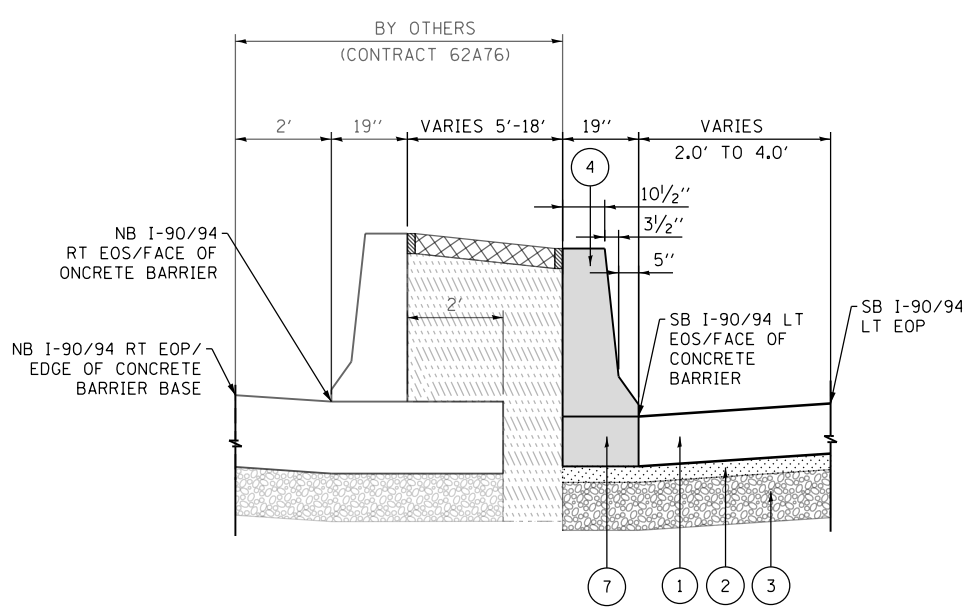
SCALE: NONE SHEET 19 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	180
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

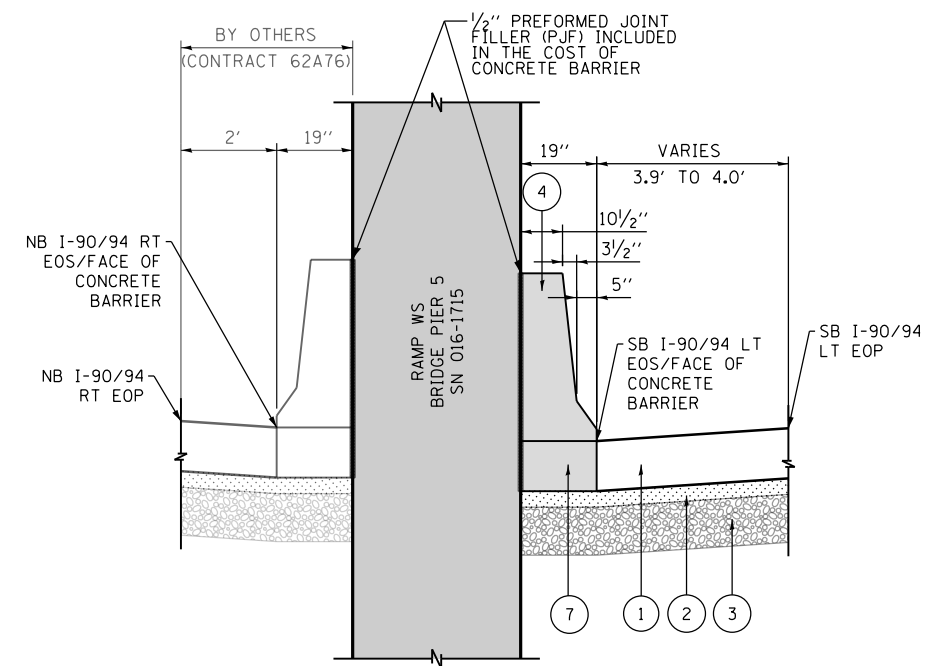


**NOTE:**  
ALL STATIONS AND OFFSETS ARE MEASURED FROM PR # SB I-90/94 UNLESS OTHERWISE NOTED.

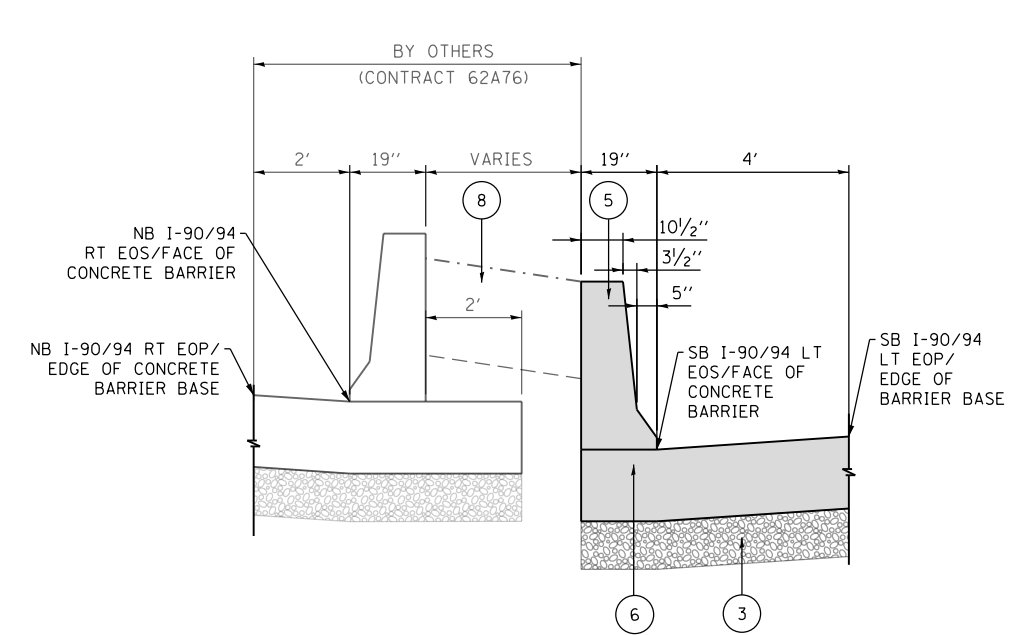
- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER WALL (SPECIAL NO. 1)
  - ⑤ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 3)
  - ⑧ TOPSOIL FURNISH AND PLACE, 24"
  - ⑨ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**SECTION A-A**  
SCALE: NONE



**SECTION B-B**  
SCALE: NONE



**SECTION C-C**  
SCALE: NONE

FILE PATH = p:\aecom\ms-nw\sl\ecomon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\Sheets\62A77\_Contract\0162A77-SHT-DETAIL-Barrier.dgn



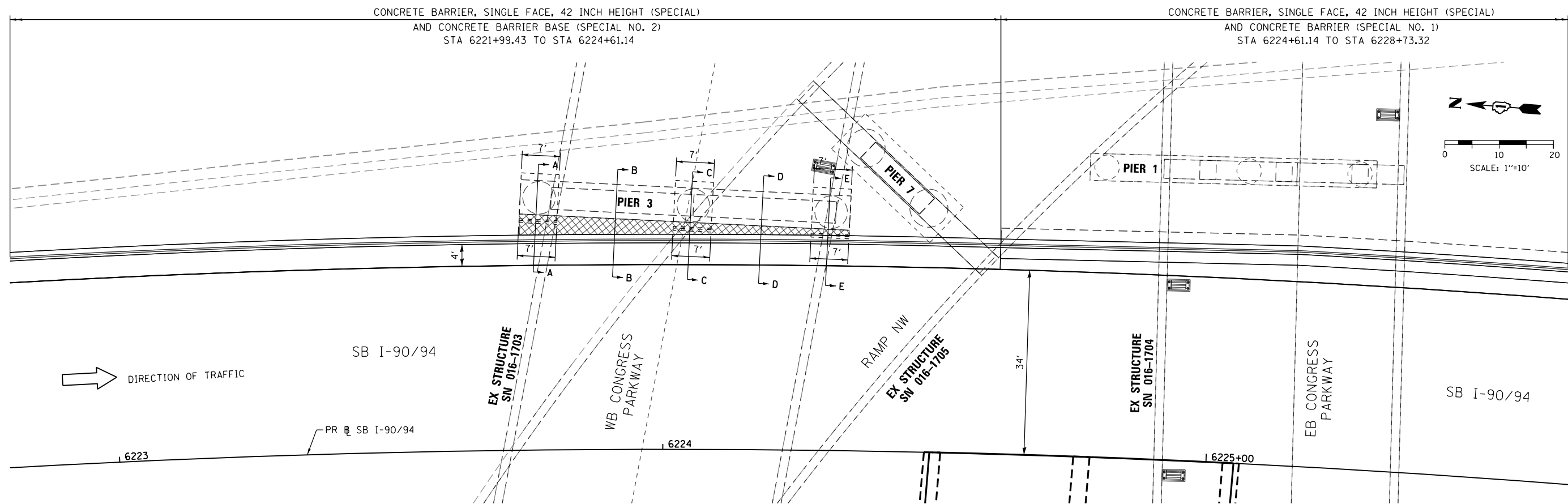
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PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
RAMP WS PIER 5

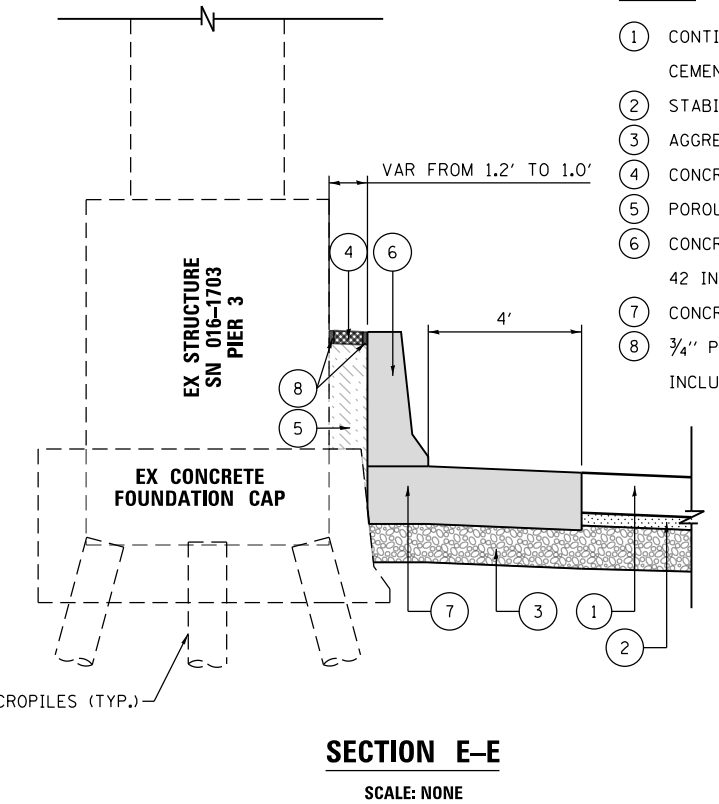
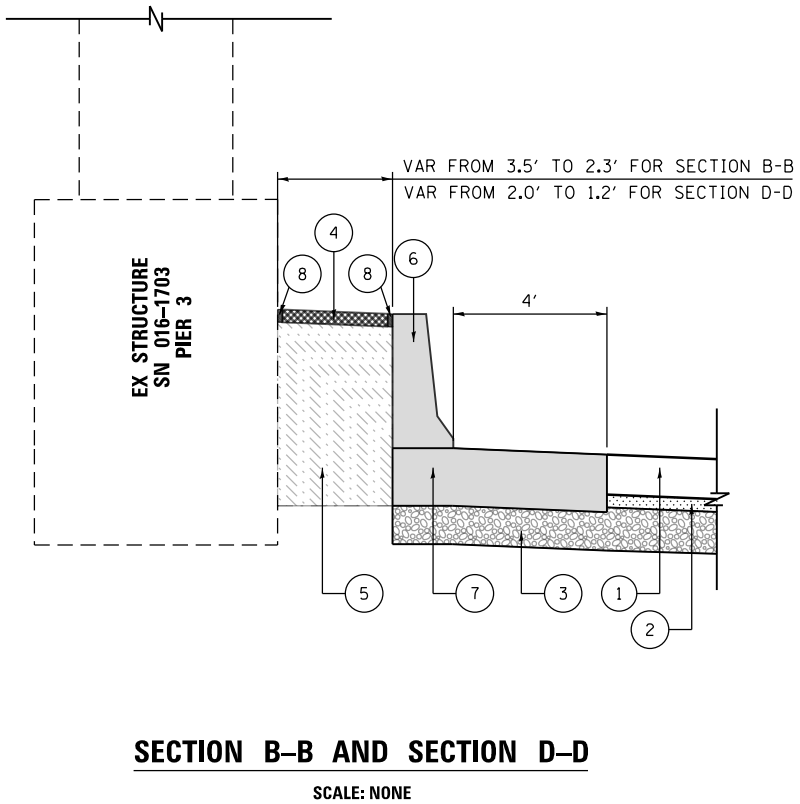
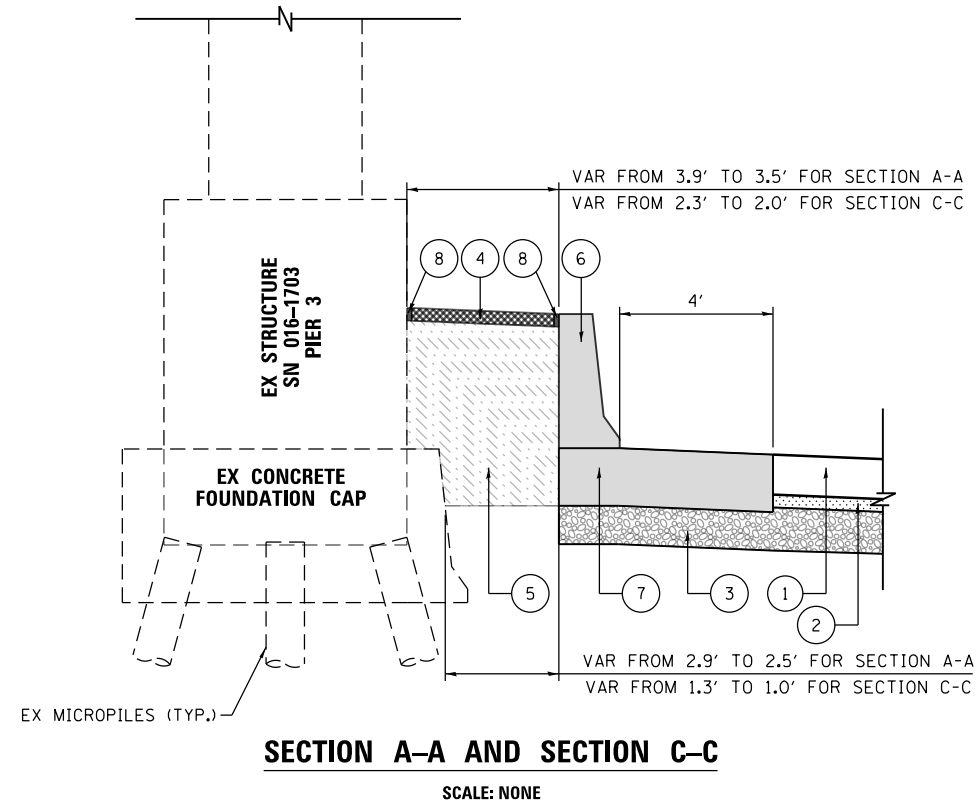
SCALE: NONE SHEET 20 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	181
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**NOTE:**  
ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.

- LEGEND:**
- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
  - ② STABILIZED SUBBASE - HOT MIX ASPHALT, 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE MEDIAN SURFACE, 4" (SPECIAL)
  - ⑤ POROUS GRANULAR EMBANKMENT
  - ⑥ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑧ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



FILE PATH = p:\V\AECOM-Na-ANSI\ecmon\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_1\1000\_CAD\006\_Roadway\Sheets\62A77\_Concrete\0162A77-SHT-DETAIL-BAR-19.dgn



D162A77-SHT-DETAIL-BAR-19.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - OPS  
DRAWN - OPS/ZND  
CHECKED - MJE  
DATE - 1/29/2019

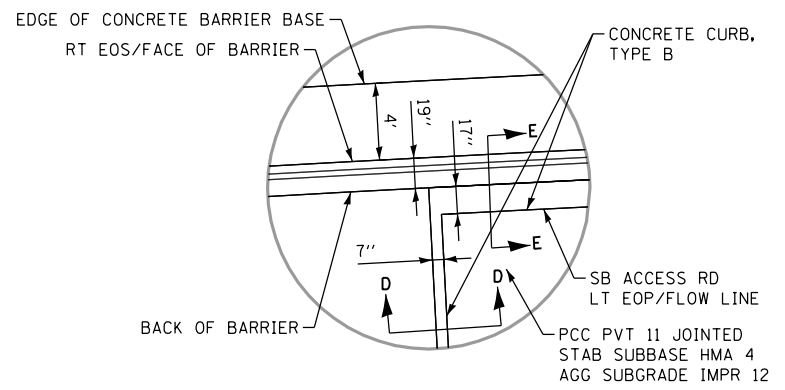
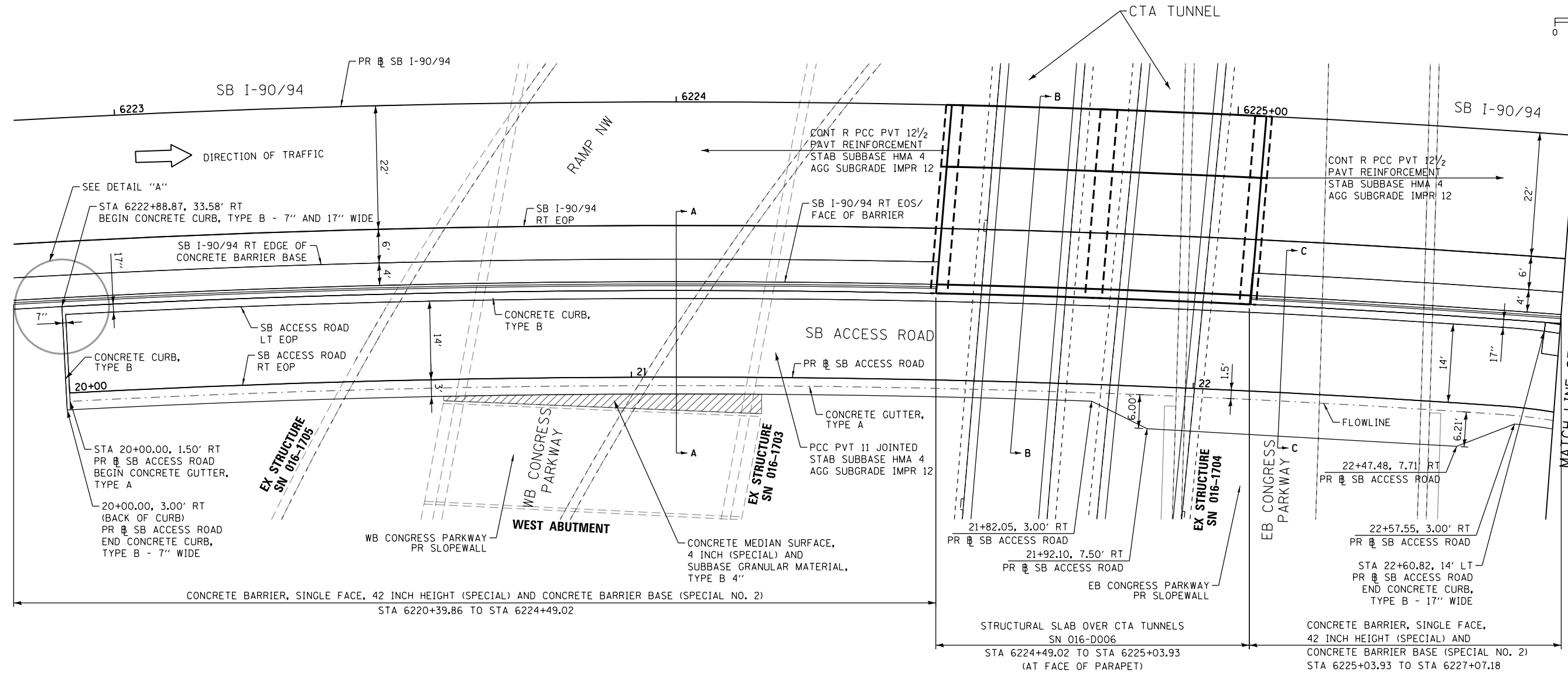
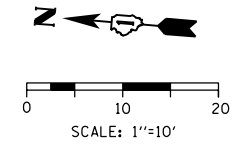
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

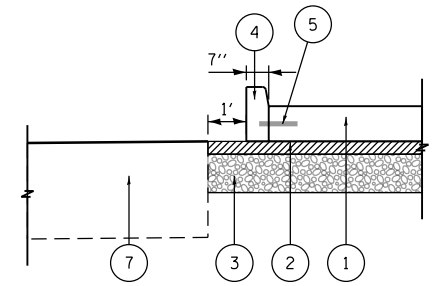
CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
WB CONGRESS PKWY PIER 3

SCALE: NONE SHEET 21 OF 43 SHEETS STA. TO STA.

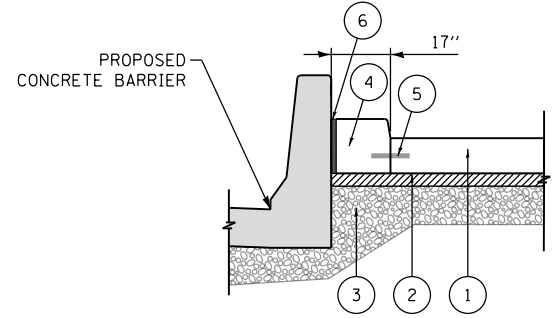
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	182
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**DETAIL "A": PLAN VIEW**  
SCALE: NONE



**SECTION D-D**  
SCALE: NONE



**SECTION E-E**  
SCALE: NONE

- NOTE:**
- ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.
  - SEE BARRIER DETAIL SHEET NO. 184 FOR SECTIONS A-A, B-B, AND C-C.

- LEGEND:**
- PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
  - STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - AGGREGATE SUBGRADE IMPROVEMENT 12"
  - CONCRETE CURB, TYPE B
  - TIE BAR PER STANDARD 606001 INCLUDED IN THE COST OF CONCRETE CURB, TYPE B
  - 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE CURB, TYPE B
  - TOPSOIL FURNISH AND PLACE, 24"

FILE PATH = p:\V\AECOM\NA-AVSI\encom\line\local\AECOM\_DS02\_NA\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\1\000\_CAD\006\_Roadway\Sheets\62A77-SHT-DET-11-BAR-20.dgn



D162A77-SHT-DETAIL-BAR-20.dgn	DESIGNED - OPS	REVISED -
USER NAME = dshevoz	DRAWN - AFC	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 3/9/2020	DATE - 3/4/2020	REVISED -

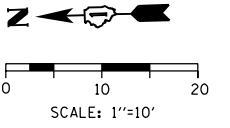
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT SB ACCESS ROAD**

SCALE: NONE SHEET 22 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	183
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



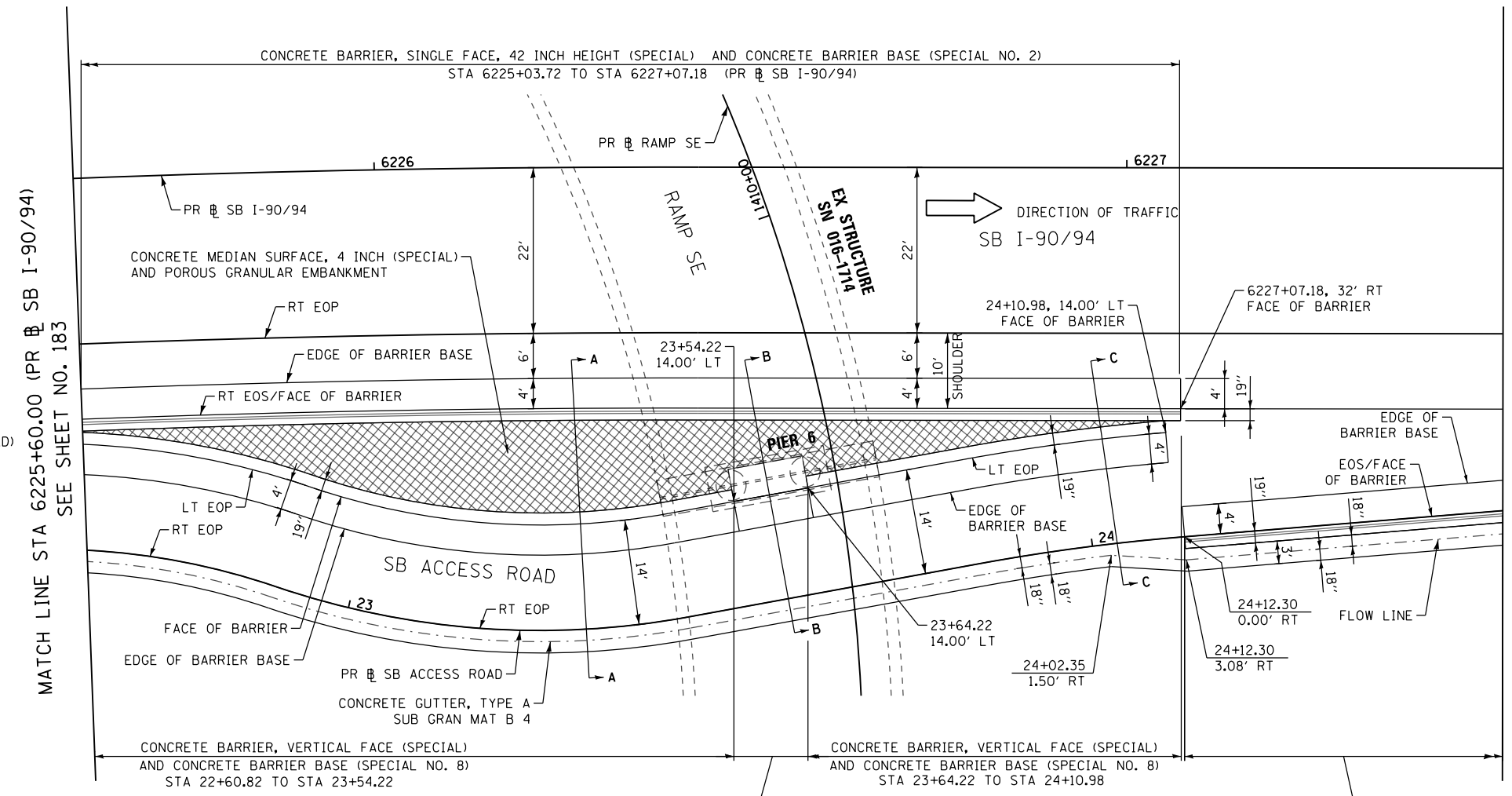


**NOTE:**

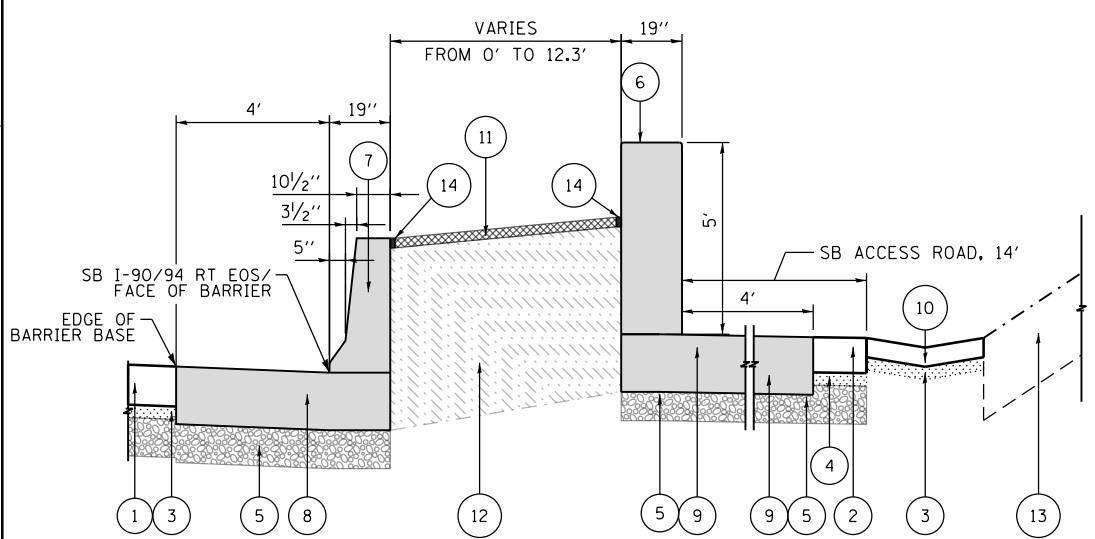
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB ACCESS ROAD ALIGNMENT UNLESS OTHERWISE NOTED.

**LEGEND:**

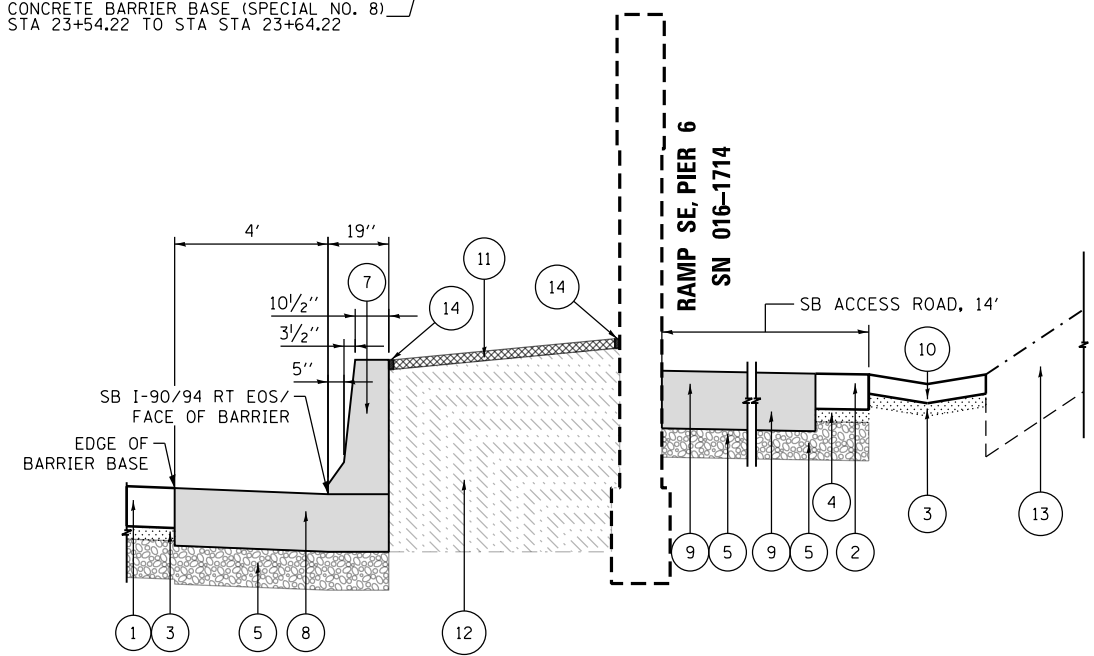
- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ② PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ③ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ④ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑥ CONCRETE BARRIER, VERTICAL FACE (SPECIAL)
- ⑦ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑧ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑨ CONCRETE BARRIER BASE (SPECIAL NO. 8)
- ⑩ CONCRETE GUTTER, TYPE A
- ⑪ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
- ⑫ POROUS GRANULAR EMBANKMENT
- ⑬ TOPSOIL FURNISH AND PLACE, 24"
- ⑭ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



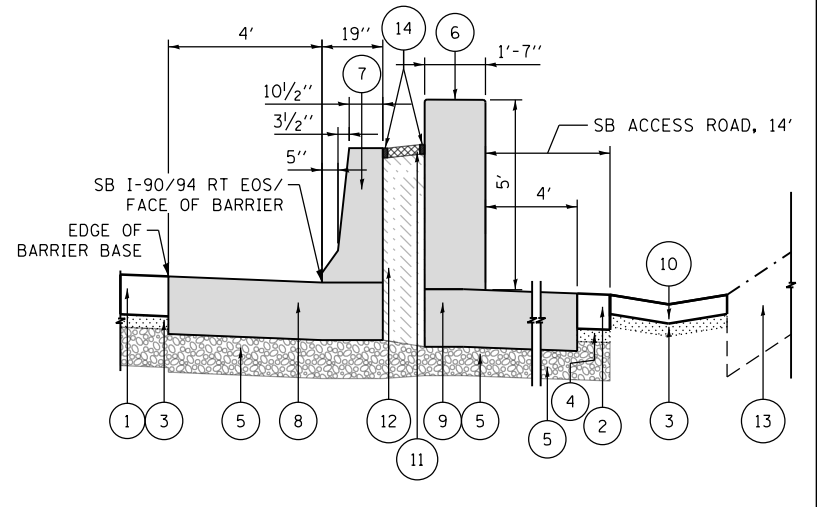
MATCH LINE STA 6227+50.00 (PR SB I-90/94) SEE SHEET NO. 186



**SECTION A-A**  
CONCRETE BARRIER WALL AT SB ACCESS RD  
SCALE: NONE



**SECTION B-B**  
CONCRETE BARRIER TRANSITION AT PIER 6  
SCALE: NONE



**SECTION C-C**  
CONCRETE BARRIER WALL AT GORE  
SCALE: NONE



D162A77-SHT-DETAIL-BAR-21.dgn	DESIGNED - OPS	REVISED -
USER NAME = dshevoz	DRAWN - OPS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 2/28/2020	DATE - 3/4/2020	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
RAMP SE PIER 6

SCALE: NONE SHEET 24 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	185
CONTRACT NO. 62A77				

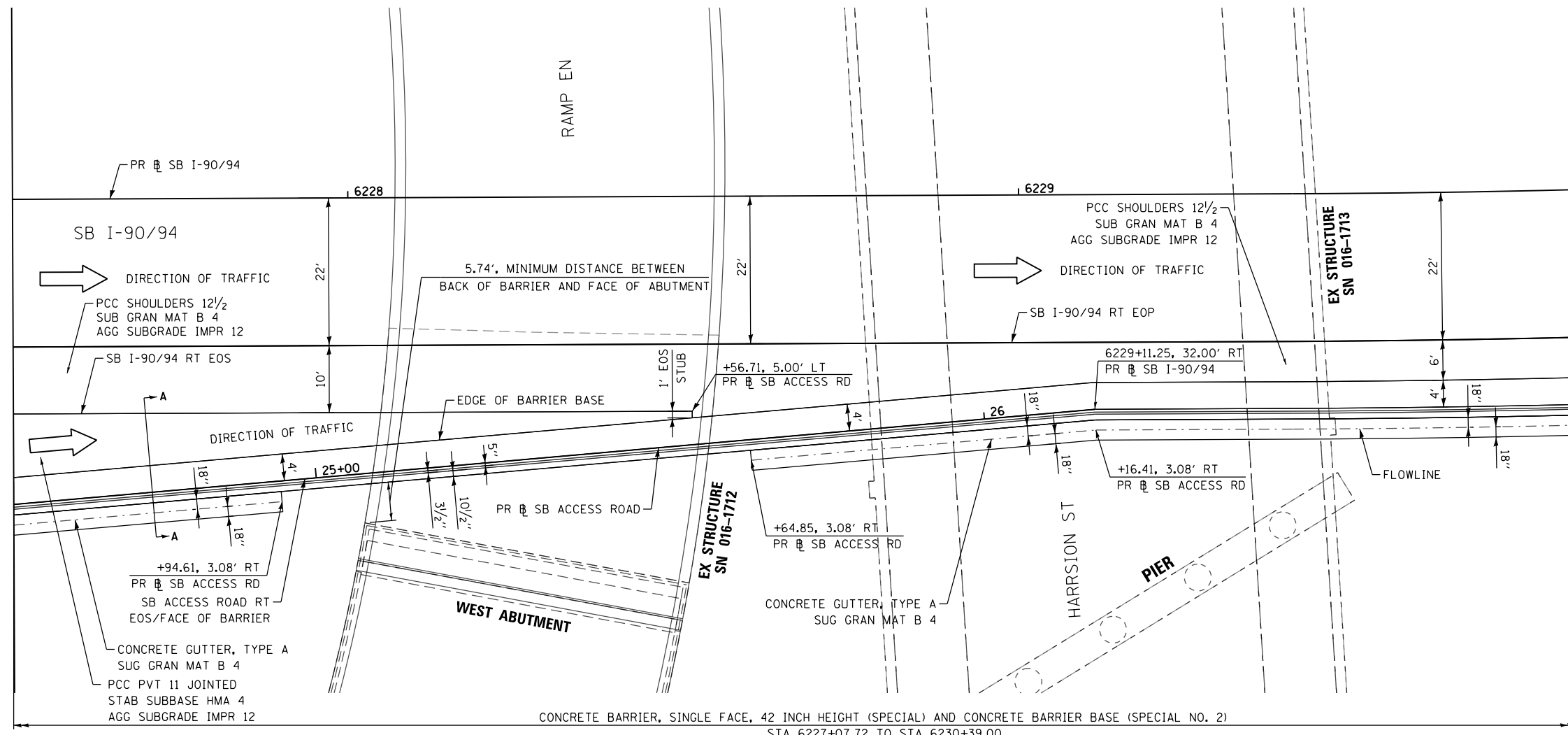
ILLINOIS FED. AID PROJECT

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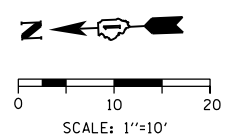


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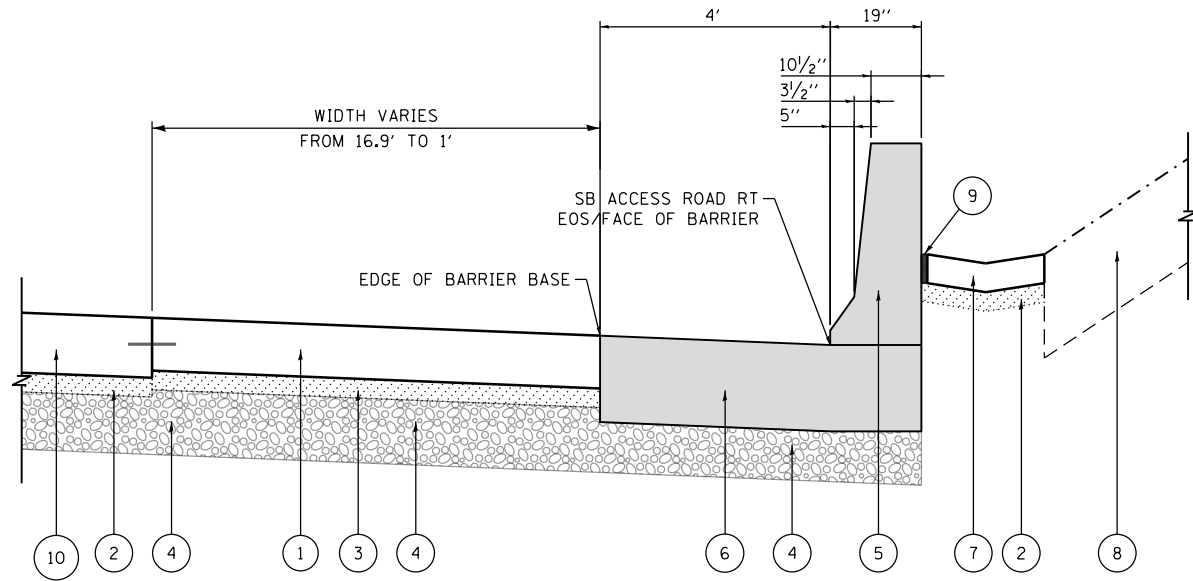
MATCH LINE STA 6227+50.00 (PR SB I-90/94)  
SEE SHEET NO.185



CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL) AND CONCRETE BARRIER BASE (SPECIAL NO. 2)  
STA 6227+07.72 TO STA 6230+39.00



**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.



**SECTION A-A**  
CONCRETE BARRIER & GUTTER  
SCALE: NONE

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑤ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑦ CONCRETE GUTTER, TYPE A
  - ⑧ TOPSOIL FURNISH AND PLACE, 24"
  - ⑨ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
  - ⑩ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"



D162A77-SHT-DETAIL-BAR-22.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 3/9/2020

DESIGNED - OPS  
DRAWN - OPS  
CHECKED - MJE  
DATE - 3/4/2020

REVISED -  
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REVISED -  
REVISED -

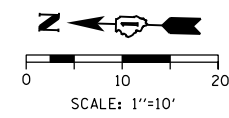
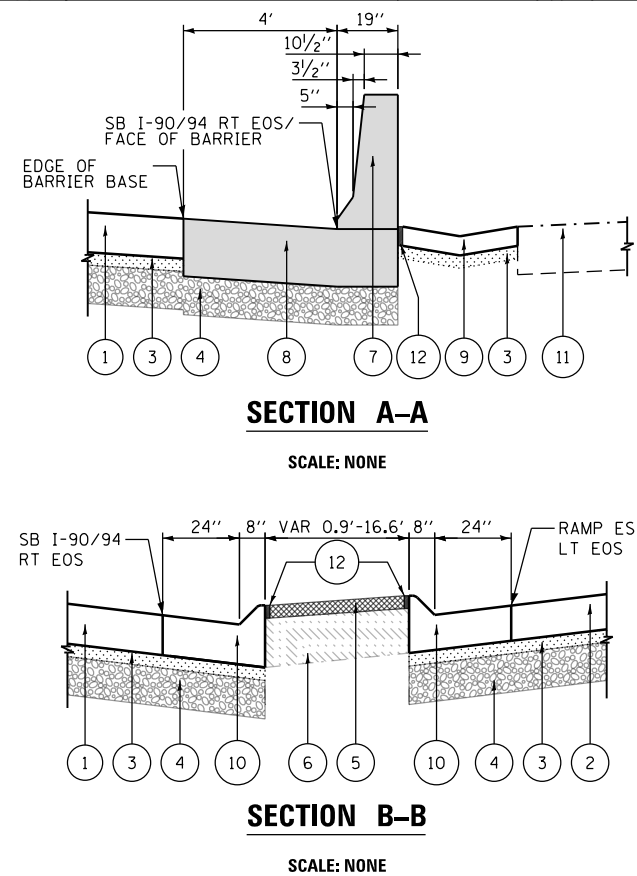
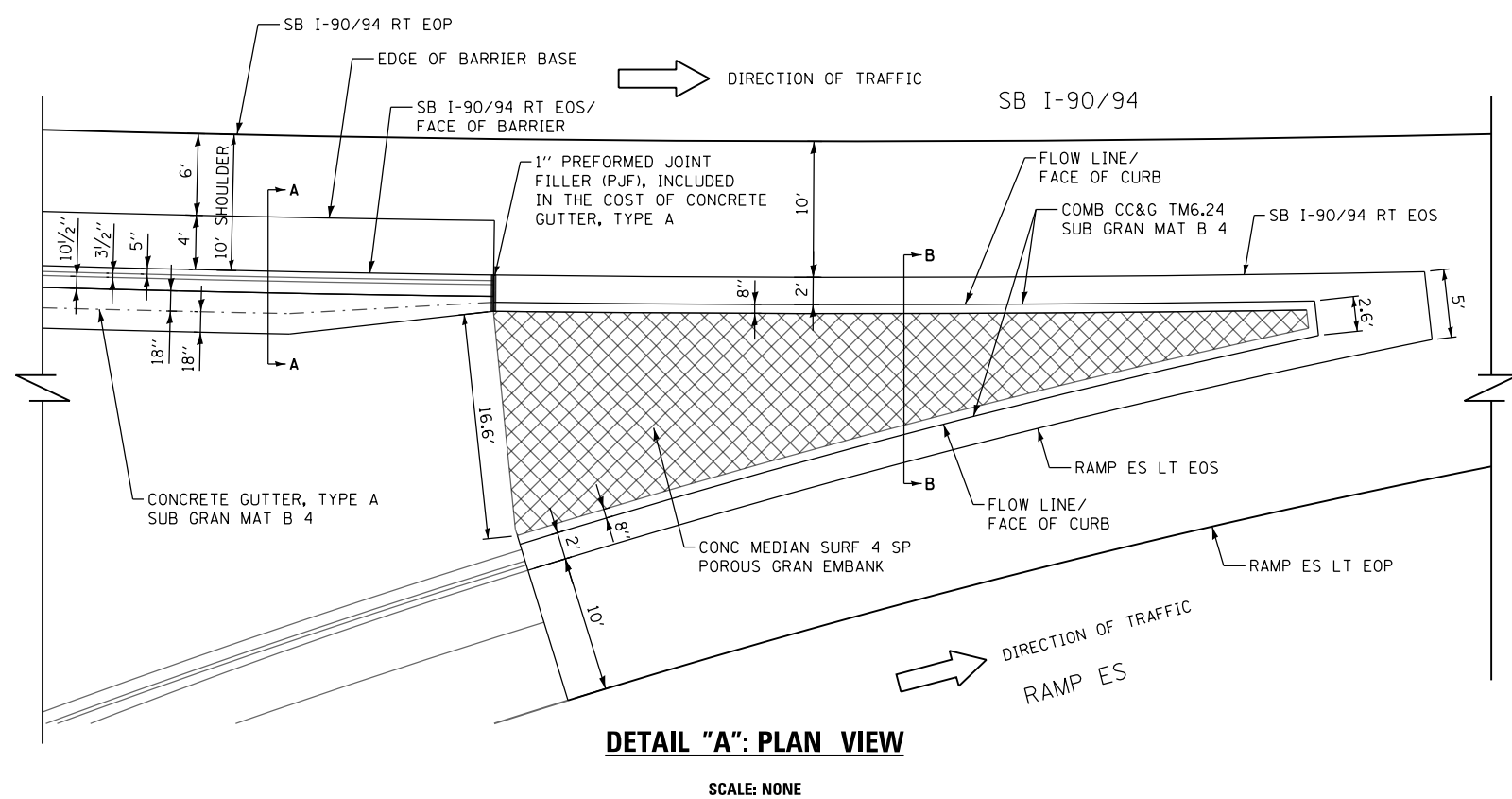
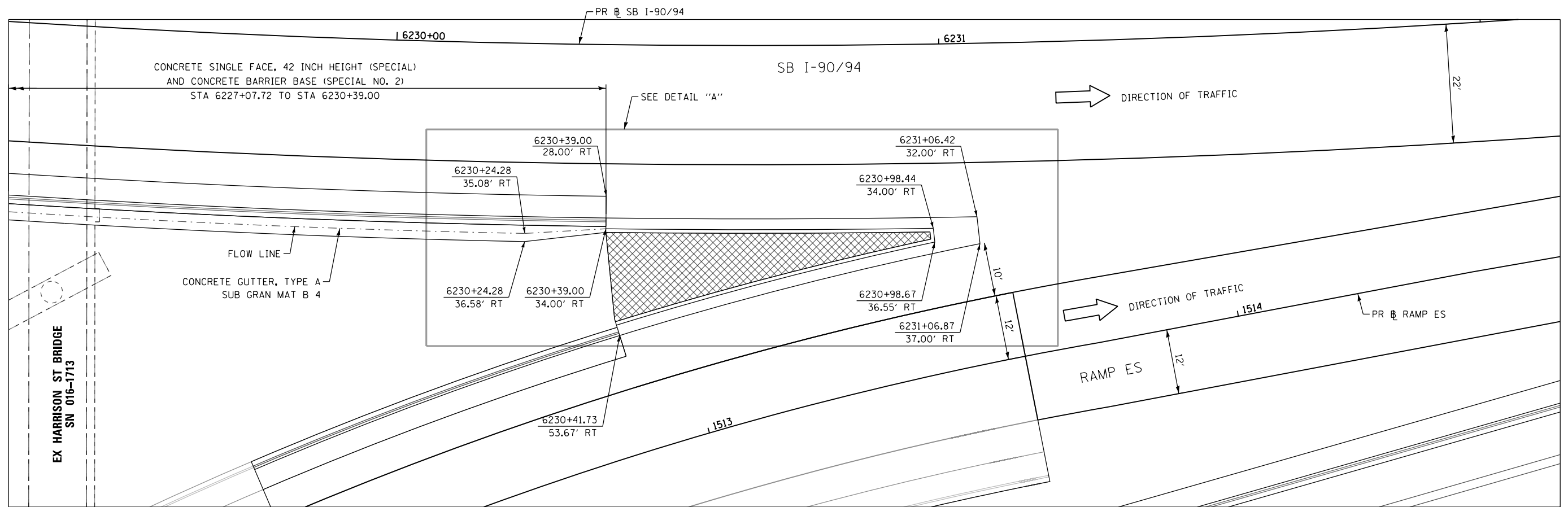
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT  
SB ACCESS ROAD & SB I-90/94

SCALE: NONE SHEET 25 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	186
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

FILE PATH = p:\naecom\m-n\si\ecomm\line\local\AECOM\_0502\_NA\_Documents\01\_Americas\Transportation\60269938\_Circle Phase II\000\_CAD\006\_Roadway\Sheets\62A77\_Contracts\0162A77-SHT-DETAIL-BAR-23.dgn



**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - ② PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - ③ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑤ CONCRETE MEDIAN SURFACE, 4" (SPECIAL)
  - ⑥ POROUS GRANULAR EMBANKMENT
  - ⑦ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑧ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑨ CONCRETE GUTTER, TYPE A
  - ⑩ COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.24
  - ⑪ TOPSOIL FURNISH AND PLACE, 24"
  - ⑫ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



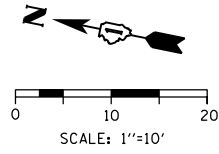
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USER NAME = dshevoz	DRAWN - OPS/ZND	REVISED -
PLOT SCALE = 20.0000' / 1"	CHECKED - MJE	REVISED -
PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS CONCRETE BARRIER AND CONCRETE CURB AND GUTTER AT SB I-90/94 & RAMP ES GORE	
SCALE: NONE	SHEET 26 OF 43 SHEETS

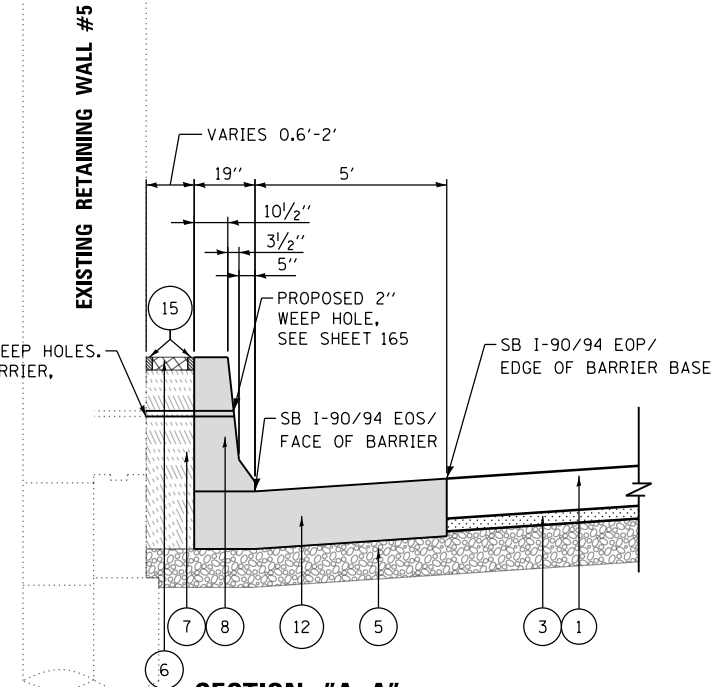
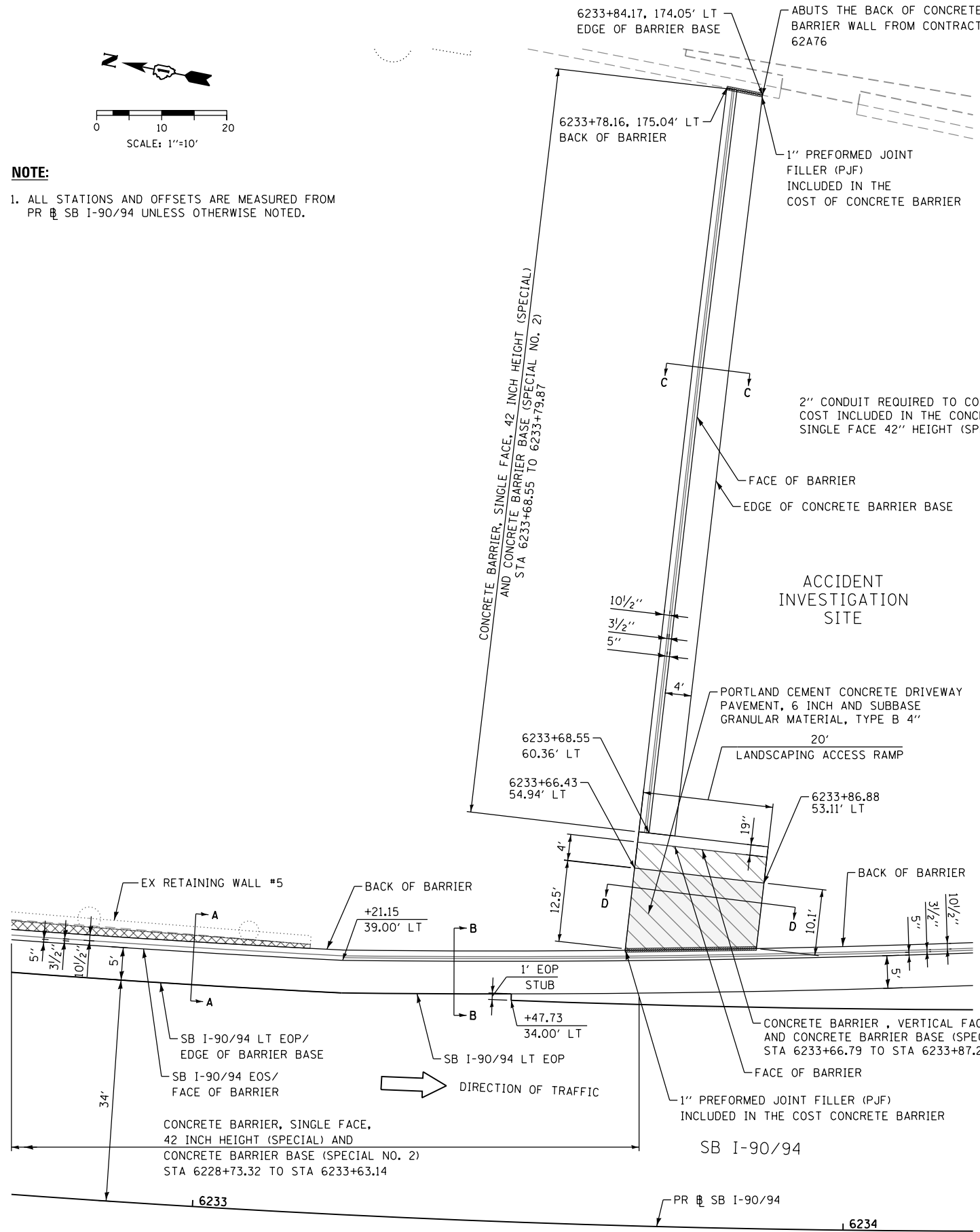
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	187
CONTRACT NO. 62A77				

ILLINOIS FED. AID PROJECT

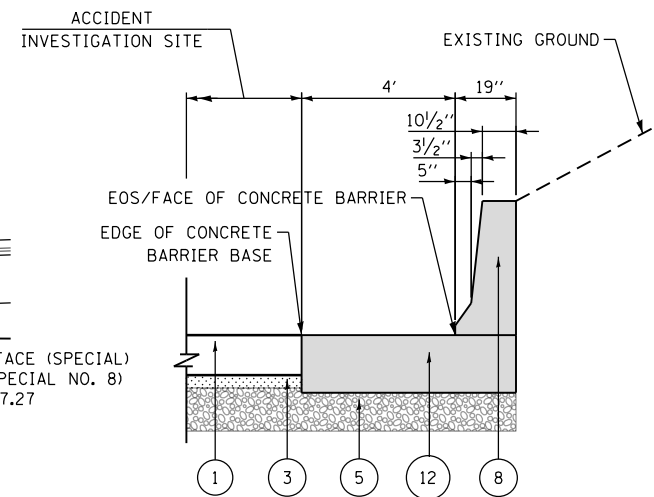


**NOTE:**

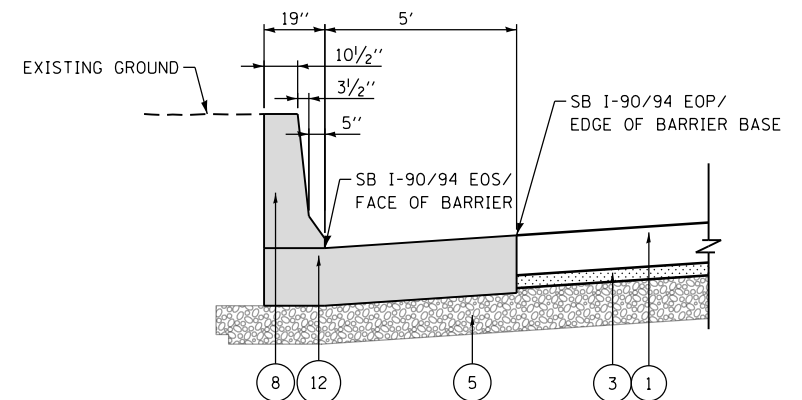
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.



**SECTION "A-A"**  
CONCRETE BARRIER AT  
EXISTING RETAINING WALL #5  
SCALE: NONE



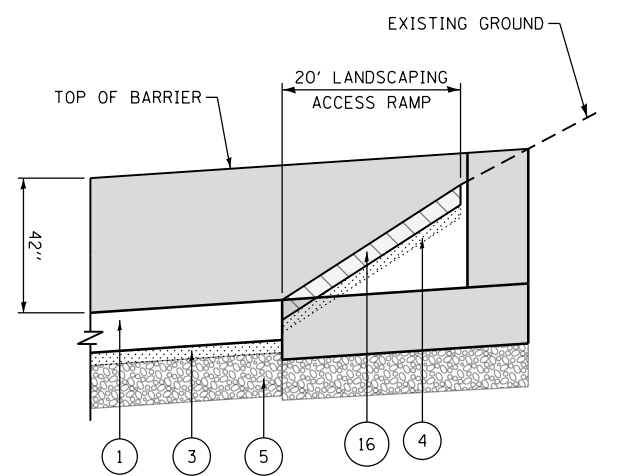
**SECTION "C-C"**  
CONCRETE BARRIER AT AIS  
SCALE: NONE



**SECTION "B-B"**  
SCALE: NONE

**LEGEND:**

- 1 PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2" (JOINTED)
- 2 PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- 3 STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- 4 SUBBASE GRANULAR MATERIAL, TYPE B 4"
- 5 AGGREGATE SUBGRADE IMPROVEMENT 12"
- 6 CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
- 7 POROUS GRANULAR EMBANKMENT
- 8 CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- 9 CONCRETE BARRIER WALL (SPECIAL NO. 1)
- 10 CONCRETE BARRIER TRANSITION
- 11 CONCRETE BARRIER BASE (SPECIAL NO. 1)
- 12 CONCRETE BARRIER BASE (SPECIAL NO. 2)
- 13 CONCRETE BARRIER BASE (SPECIAL NO. 3)
- 14 CONCRETE BARRIER BASE (SPECIAL NO. 5)
- 15 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
- 16 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH



**SECTION "D-D"**  
CONCRETE BARRIER AT AIS  
SCALE: NONE

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D162A77-SHT-DETAIL-BAR-23A.dgn	DESIGNED - OPS	REVISED -
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PLOT DATE = 2/28/2020	DATE - 3/4/2020	REVISED -

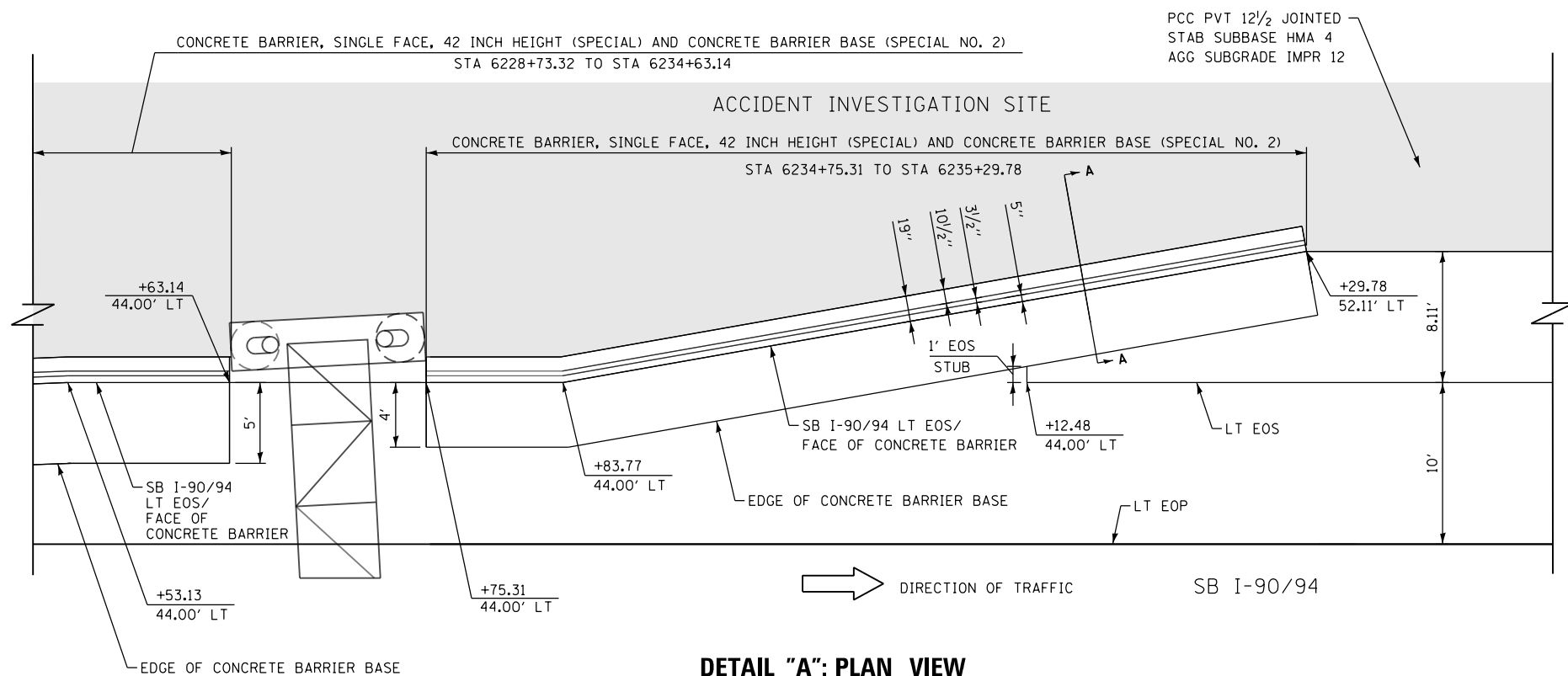
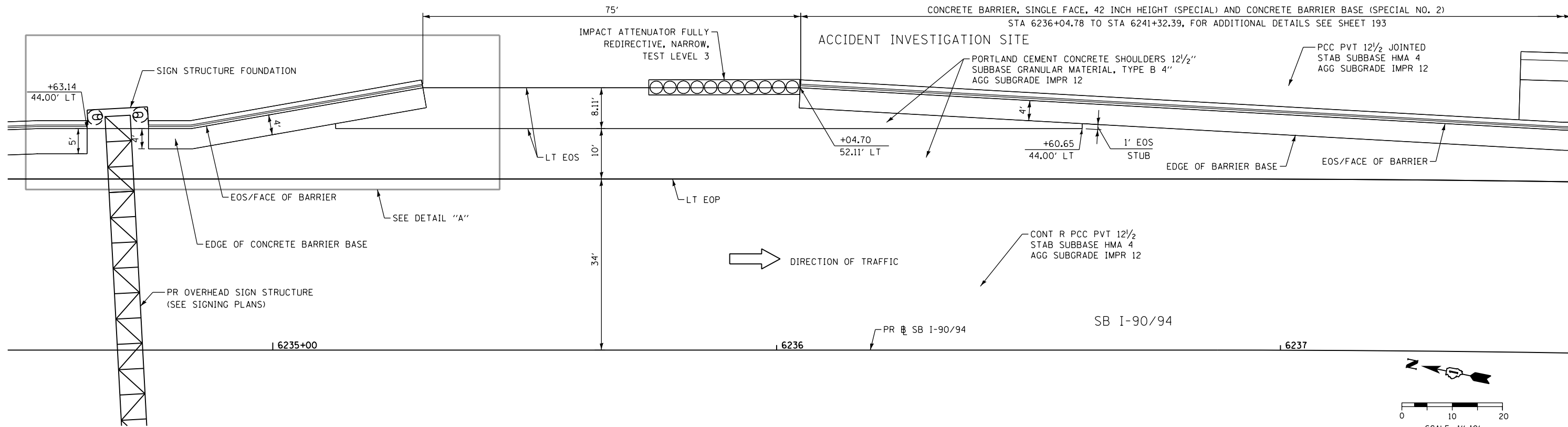
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIER DETAILS  
CONCRETE BARRIER AT ACCIDENT INVESTIGATION SITE**

SCALE: NONE SHEET 27 OF 43 SHEETS STA. TO STA.

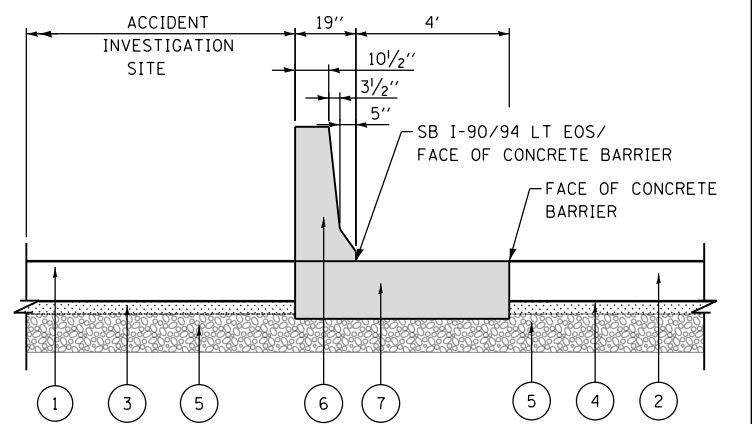
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	188
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**DETAIL "A": PLAN VIEW**  
**CONCRETE BARRIER AT ACCIDENT INVESTIGATION SITE**  
 SCALE: NONE

**NOTE:**  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.



**SECTION A-A**  
 SCALE: NONE

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2" (JOINTED)
  - ② PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - ③ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ④ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑤ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑥ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 2)



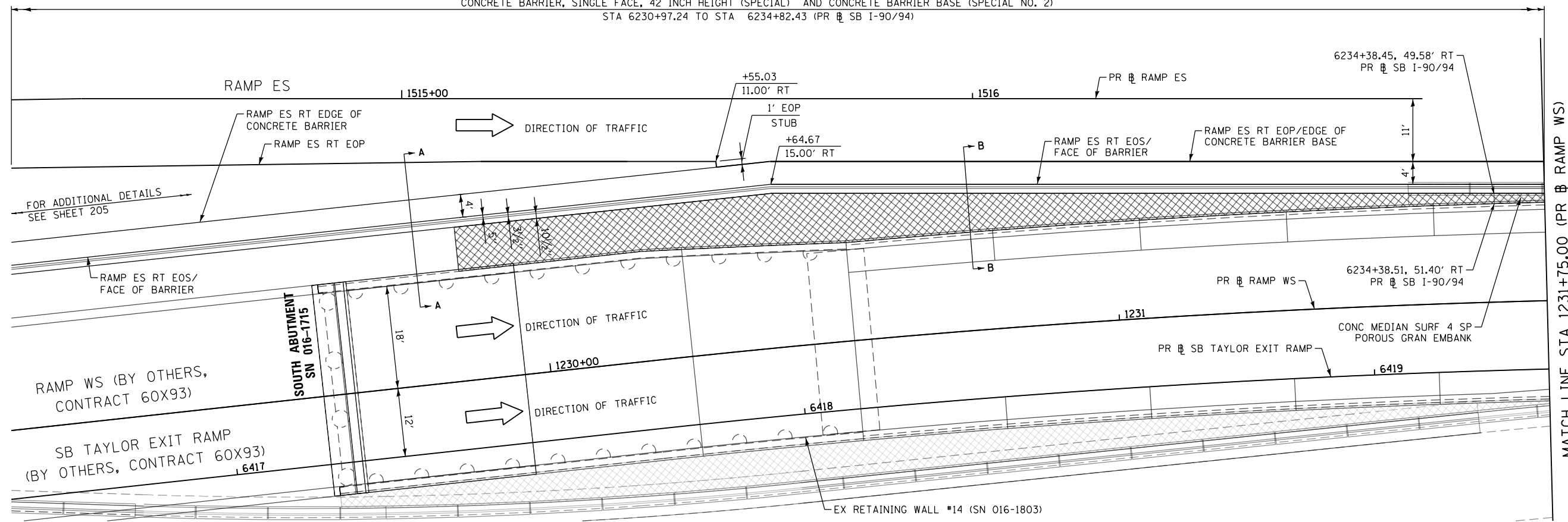
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USER NAME = dshevoz	DRAWN - OPS/ZND	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

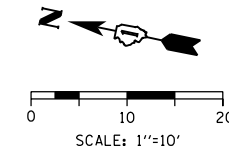
<b>CONCRETE BARRIER DETAILS</b>	
<b>CONCRETE BARRIER AT</b>	
<b>ACCIDENT INVESTIGATION SITE ENTRANCE</b>	
SCALE: NONE	SHEET 28 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	189
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL) AND CONCRETE BARRIER BASE (SPECIAL NO. 2)  
 STA 6230+97.24 TO STA 6234+82.43 (PR SB I-90/94)

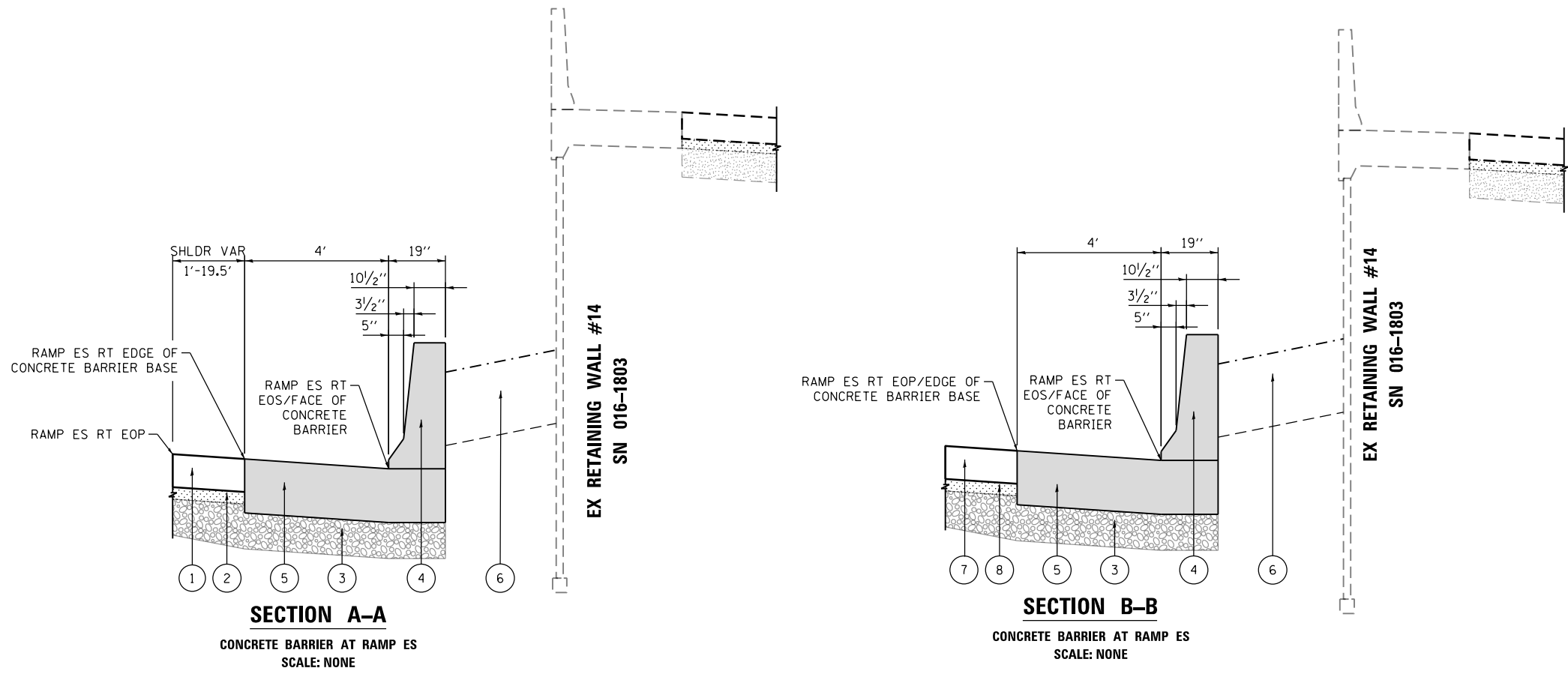


MATCH LINE STA 1231+75.00 (PR SB I-90/94) SEE SHEET NO. 191



**NOTE:**  
 1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB RAMP ES UNLESS OTHERWISE NOTED.

- LEGEND:**
- ① PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ④ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑤ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ⑥ TOPSOIL FURNISH AND PLACE, 24"
  - ⑦ CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
  - ⑧ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"



STATE OF ILLINOIS  
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CONCRETE BARRIER DETAILS  
 CONCRETE BARRIER AT RAMP ES

SCALE: NONE SHEET 29 OF 43 SHEETS STA. TO STA.

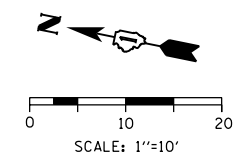
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	190
CONTRACT NO. 62A77				

ILLINOIS FED. AID PROJECT

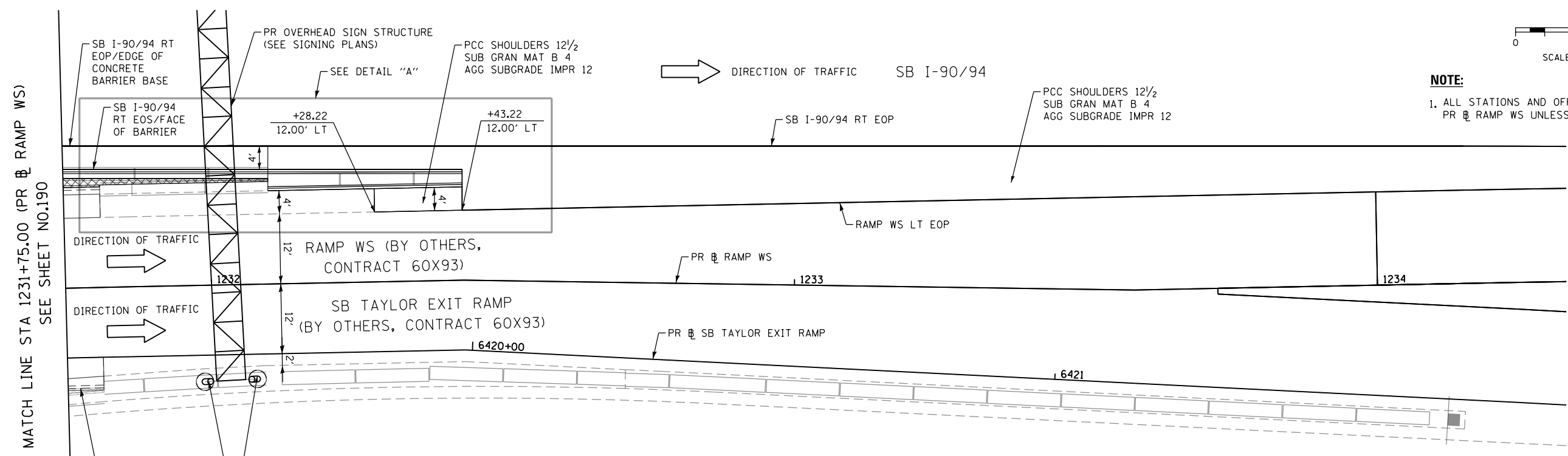
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D162A77-SHT-DETAIL-BAR-26.dgn	DESIGNED	OPS	REVISED	-
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PLOT DATE = 1/31/2020	DATE	1/29/2019	REVISED	-

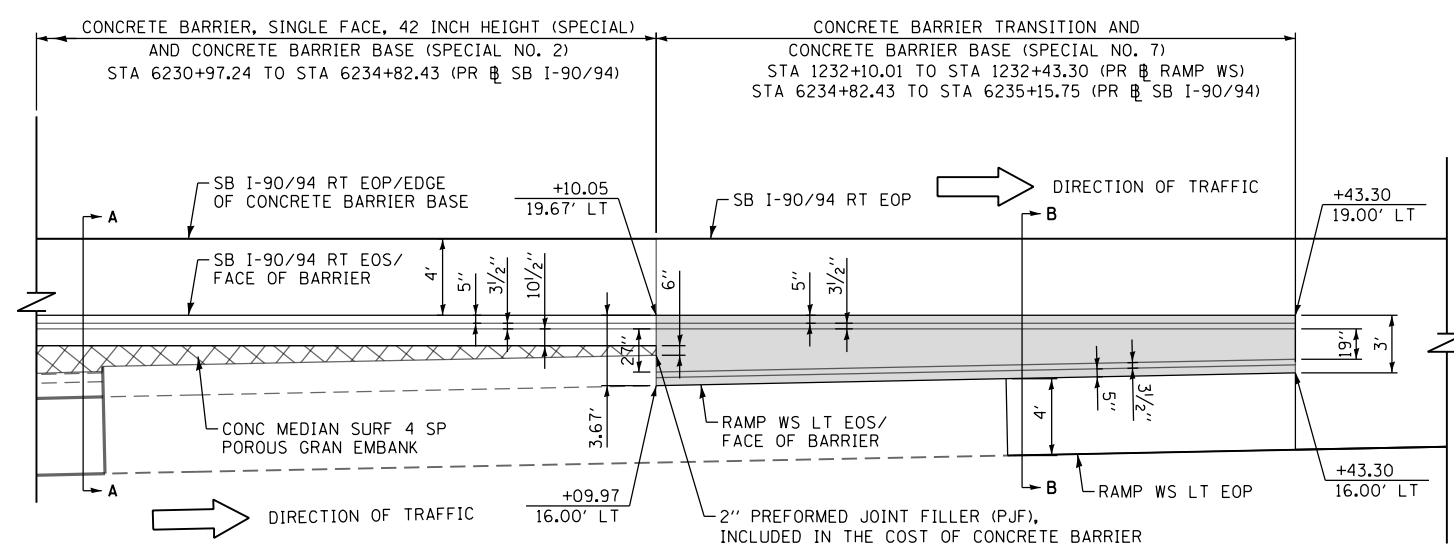


**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR  $\Phi$  RAMP WS UNLESS OTHERWISE NOTED.

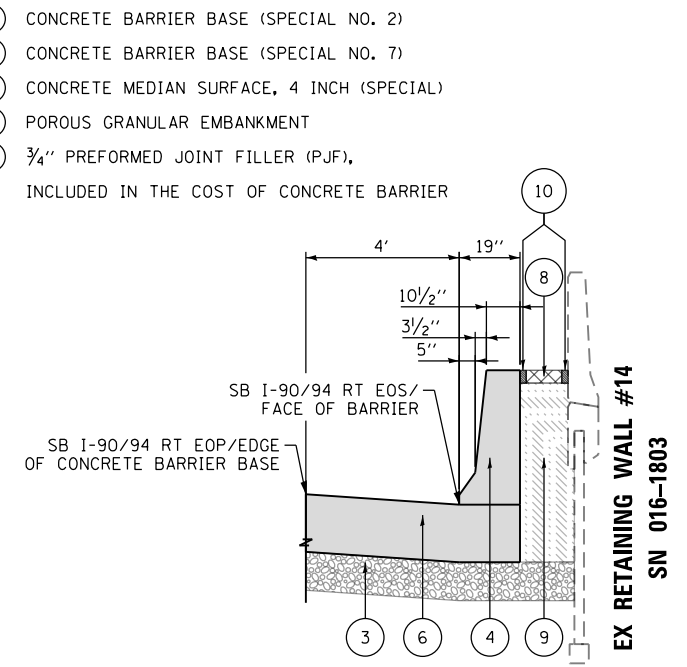


**LEGEND:**

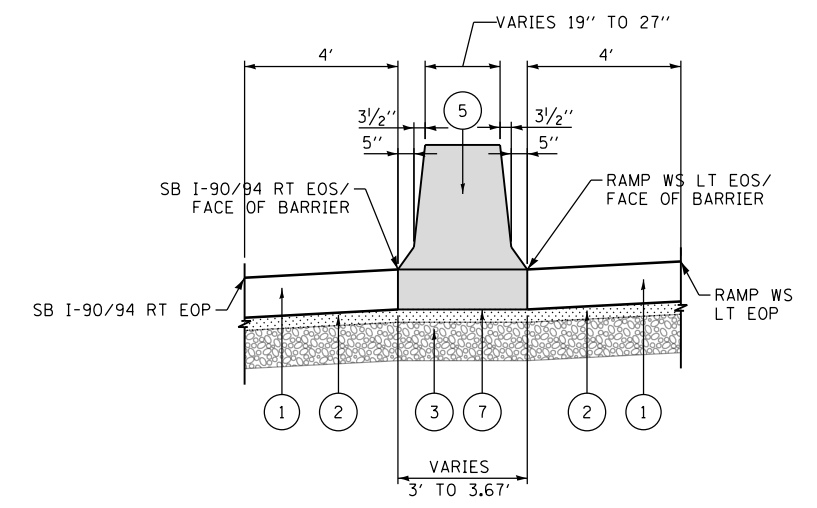
- ① PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ③ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ④ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑤ CONCRETE BARRIER TRANSITION
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑦ CONCRETE BARRIER BASE (SPECIAL NO. 7)
- ⑧ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
- ⑨ POROUS GRANULAR EMBANKMENT
- ⑩ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



**DETAIL "A": PLAN VIEW**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 & RAMP WS GORE  
SCALE: NONE



**SECTION A-A**  
CONCRETE BARRIER WALL AT EX RETAINING WALL #14  
SCALE: NONE



**SECTION B-B**  
CONCRETE BARRIER TRANSITION AT SB I-90/94 AND RAMP WS GORE  
SCALE: NONE

FILE PATH = p:\aecom\ms-ansi\ecomon\line\local\ecom\0502\_mn\transportation\americas\transportation\60269938\_Circle Phase\11000\_CAD\046\_Roadway\Sheets\62A77\_SHT-DE-ALL-BAR-27.dgn



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USER NAME = dshevoz	DRAWN - LMB	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MJE	REVISED -
PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

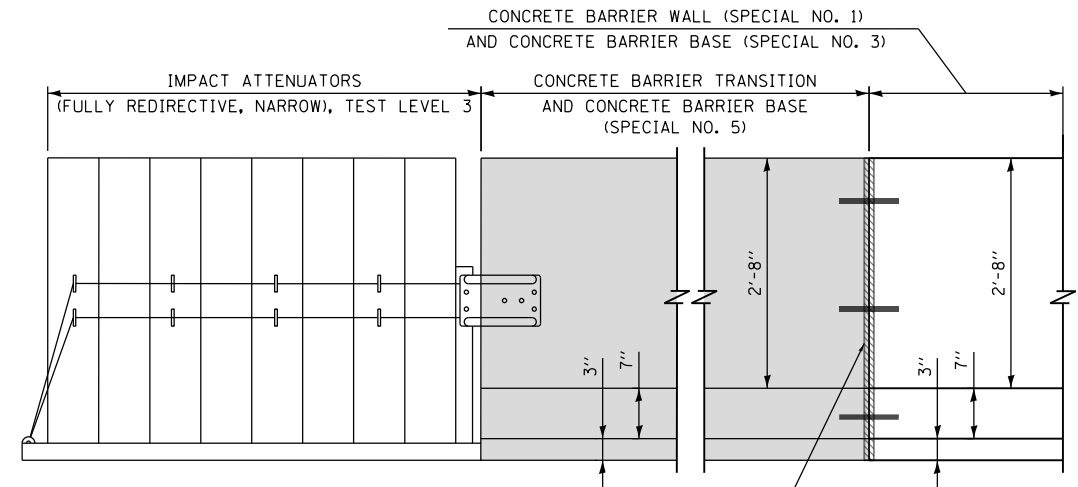
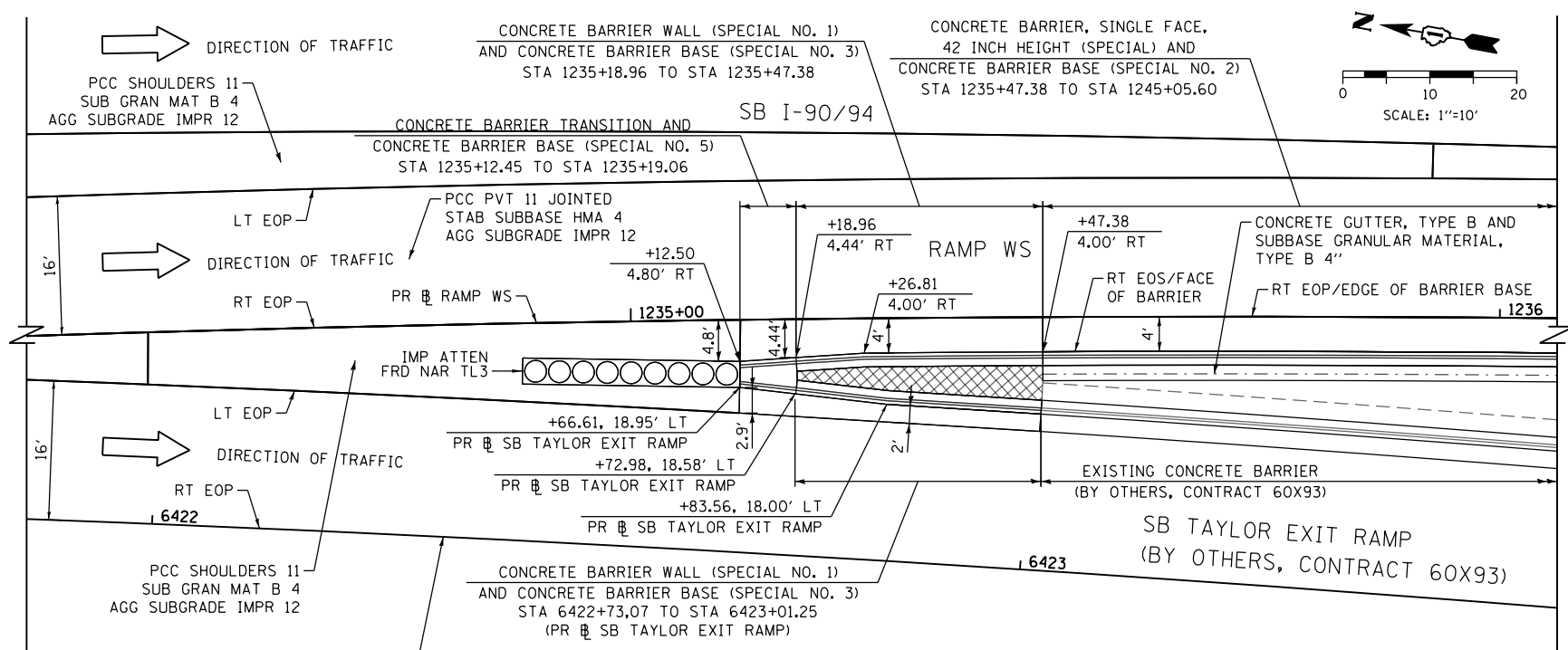
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIER DETAILS**  
**CONCRETE BARRIER AT**  
**SB I-90/94 & RAMP WS GORE**

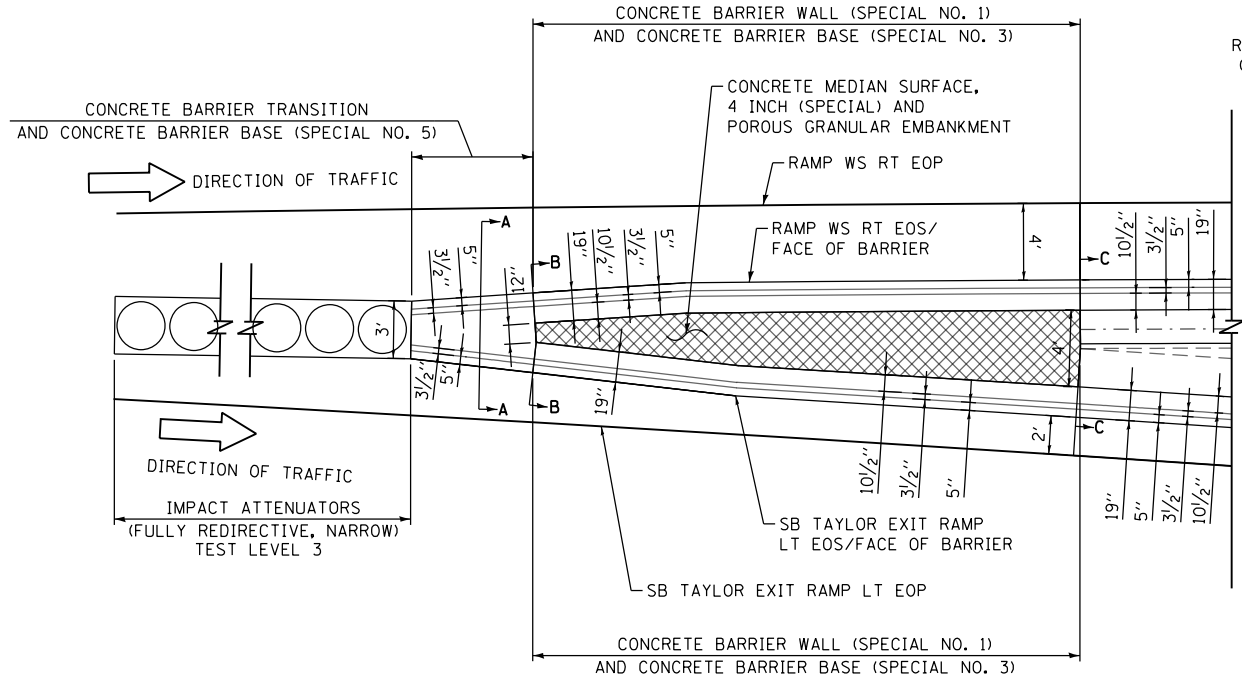
SCALE: NONE SHEET 30 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	191
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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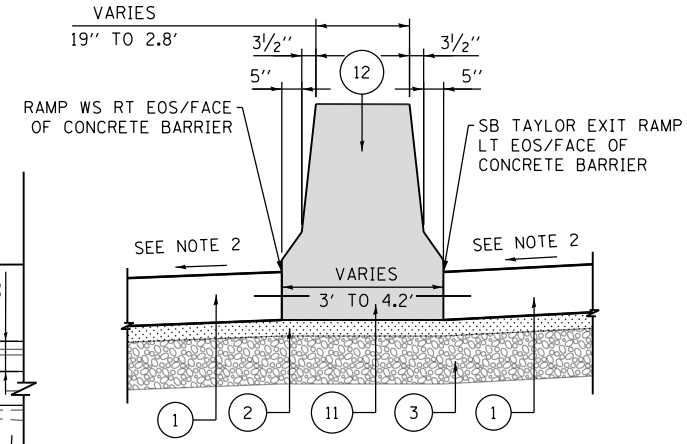


**DETAIL "A": ELEVATION VIEW**  
 CONCRETE BARRIER TRANSITION AT  
 RAMP WS AND SB TAYLOR EXIT RAMP GORE  
 SCALE: NONE  
 (LOOKING NORTH)

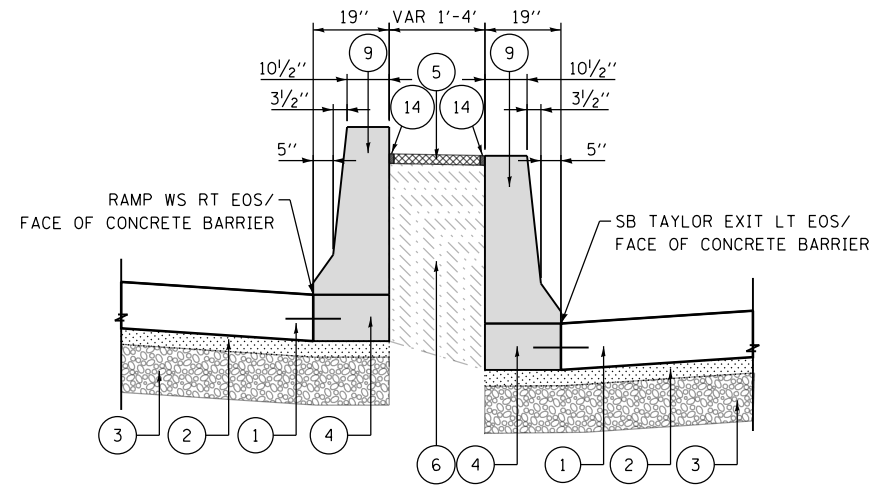


**DETAIL "A": PLAN VIEW**  
 CONCRETE BARRIER TRANSITION AT  
 SB TAYLOR EXIT RAMP GORE  
 SCALE: NONE

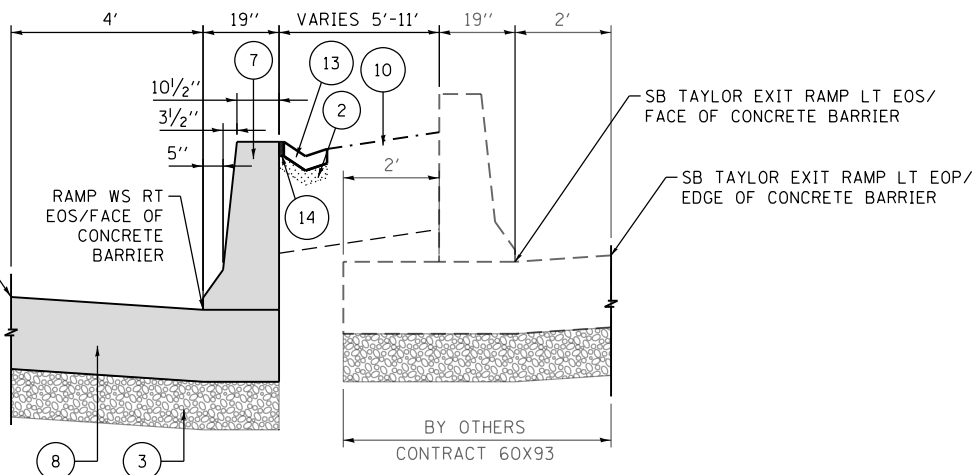
- NOTE:**
- ALL STATIONS AND OFFSETS ARE MEASURED FROM PR RAMP WS UNLESS OTHERWISE NOTED.
  - VARIES, SEE GORE GRADING DETAIL SHEETS 147 TO 148.



**SECTION A-A**  
 CONCRETE BARRIER TRANSITION AT GORE  
 SCALE: NONE



**SECTION B-B**  
 CONCRETE BARRIER WALL AT GORE  
 SCALE: NONE



**SECTION C-C**  
 CONCRETE BARRIER TRANSITION AT GORE  
 SCALE: NONE

- LEGEND:**
- PORTLAND CEMENT CONCRETE SHOULDERS 11"
  - SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - AGGREGATE SUBGRADE IMPROVEMENT 12"
  - CONCRETE BARRIER BASE (SPECIAL NO. 3)
  - CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - POROUS GRANULAR EMBANKMENT
  - CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - CONCRETE BARRIER WALL (SPECIAL NO. 1)
  - TOPSOIL FURNISH AND PLACE, 24"
  - CONCRETE BARRIER BASE (SPECIAL NO. 5)
  - CONCRETE BARRIER TRANSITION
  - CONCRETE GUTTER, TYPE B
  - 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER



D162A77-SHT-DETAIL-BAR-28.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 1/31/2020

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 1/29/2019

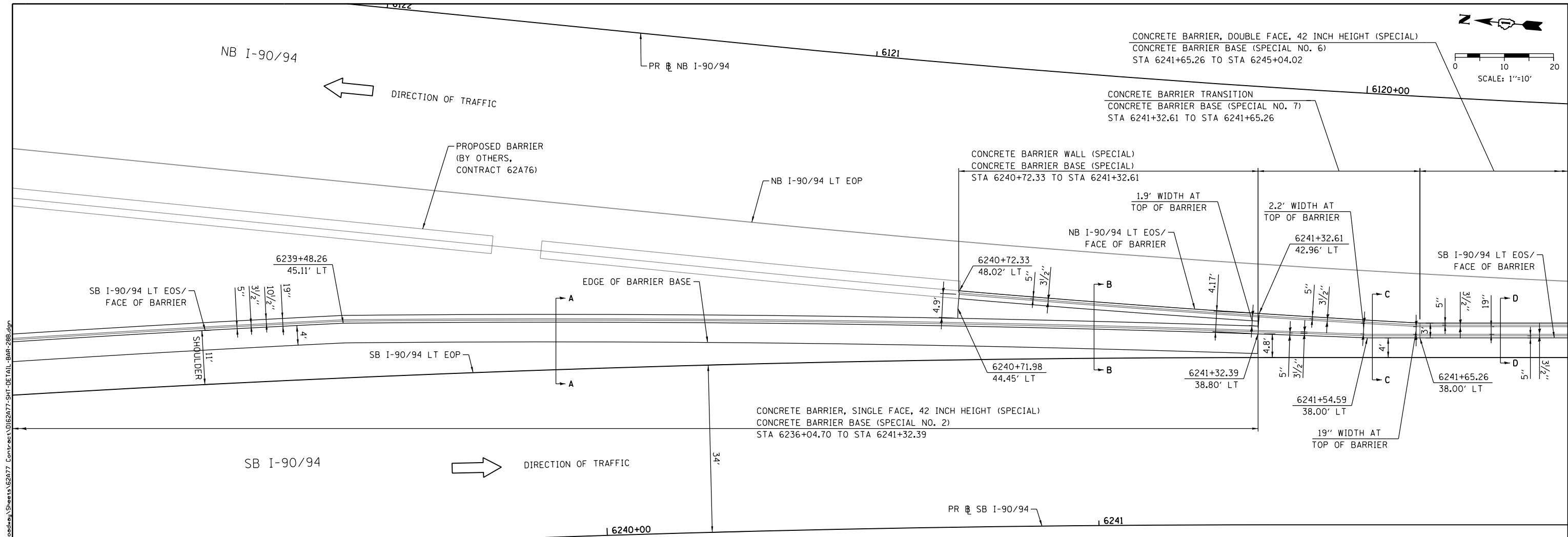
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**CONCRETE BARRIER DETAILS**  
**CONCRETE BARRIER AT RAMP WS**  
**AND SB TAYLOR EXIT RAMP GORE**  
 SCALE: NONE SHEET 31 OF 43 SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	192
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				





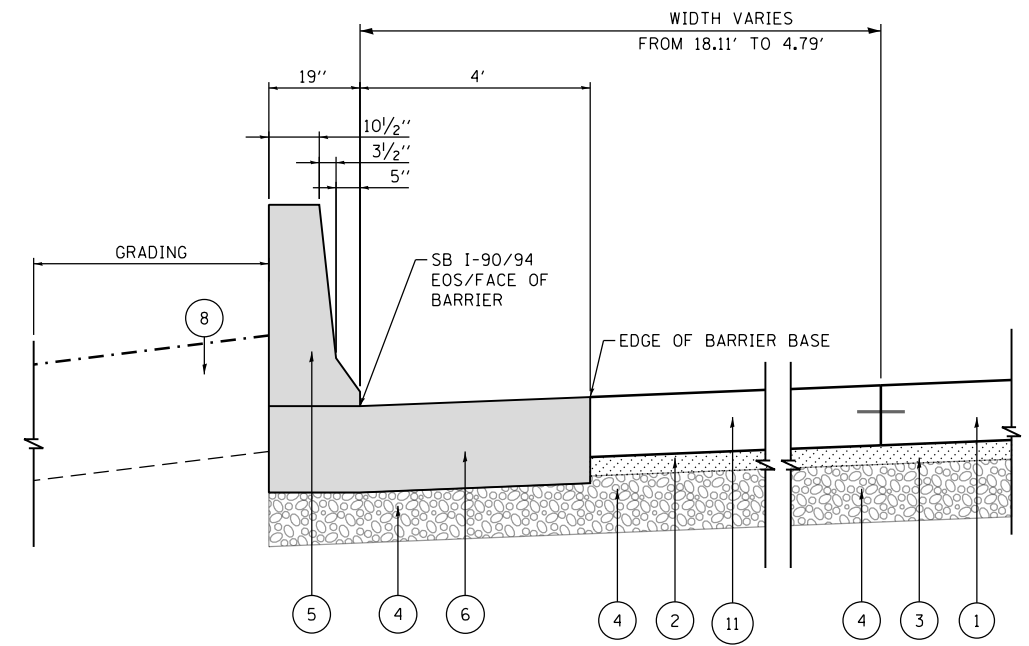


**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR # SB I-90/94 UNLESS OTHERWISE NOTED.
2. FOR SECTIONS B-B, C-C AND D-D SEE SHEET 195 .
3. SEE CONCRETE BARRIER LAYOUT TABLE FOR ADDITIONAL INFORMATION ON SHEET 167A.

**LEGEND:**

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
- ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ③ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑦ CONCRETE BARRIER TRANSITION
- ⑧ TOPSOIL FURNISH AND PLACE, 24"
- ⑨ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
- ⑩ PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2" (JOINTED)
- ⑪ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ⑫ CONCRETE BARRIER WALL (SPECIAL)
- ⑬ CONCRETE BARRIER BASE (SPECIAL)
- ⑭ CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑮ CONCRETE BARRIER BASE (SPECIAL NO. 6)
- ⑯ CONCRETE BARRIER BASE (SPECIAL NO. 7)



**SECTION A-A**  
**CONCRETE BARRIER AT AIS**  
 SCALE: NONE



D162A77-SHT-DETAIL-BAR-288.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 2/28/2020

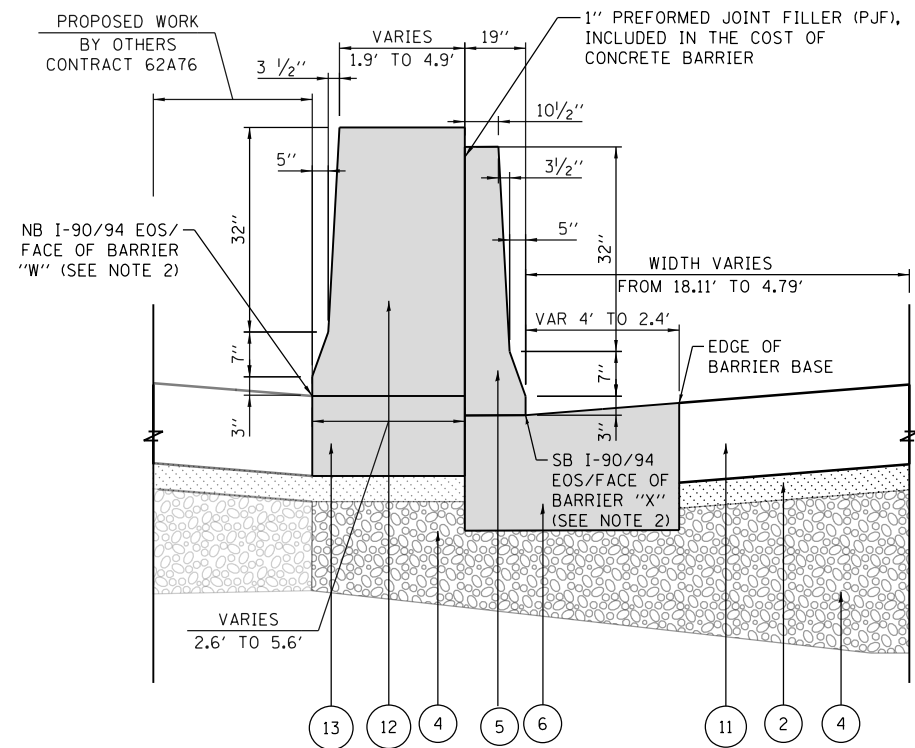
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 CHECKED - MJE  
 DATE - 3/4/2020

REVISED -  
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 REVISED -  
 REVISED -

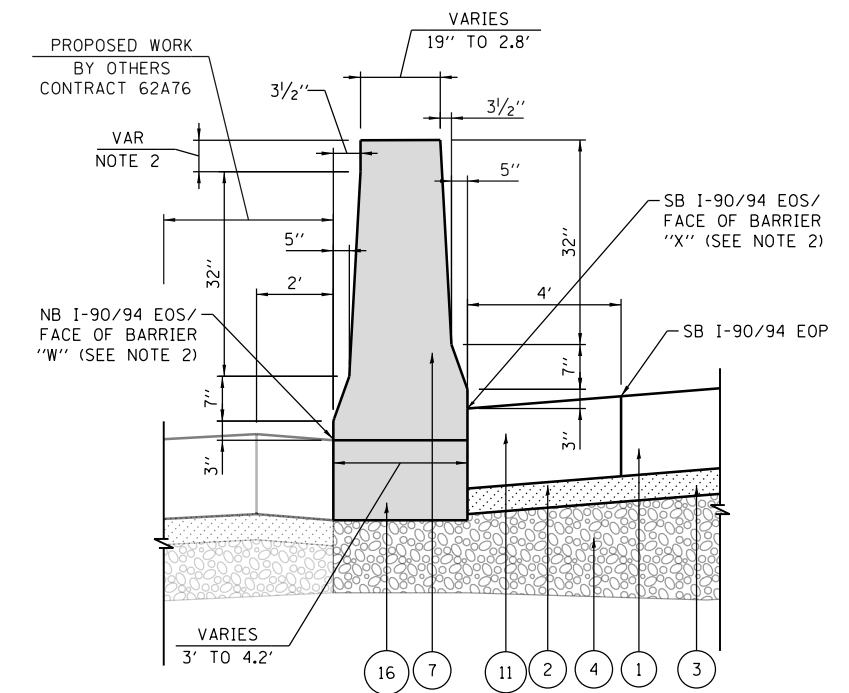
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIER DETAILS**  
**CONCRETE BARRIER SOUTH OF ACCIDENT INVESTIGATION SITE**  
 SCALE: NONE SHEET 33 OF 43 SHEETS STA. TO STA.

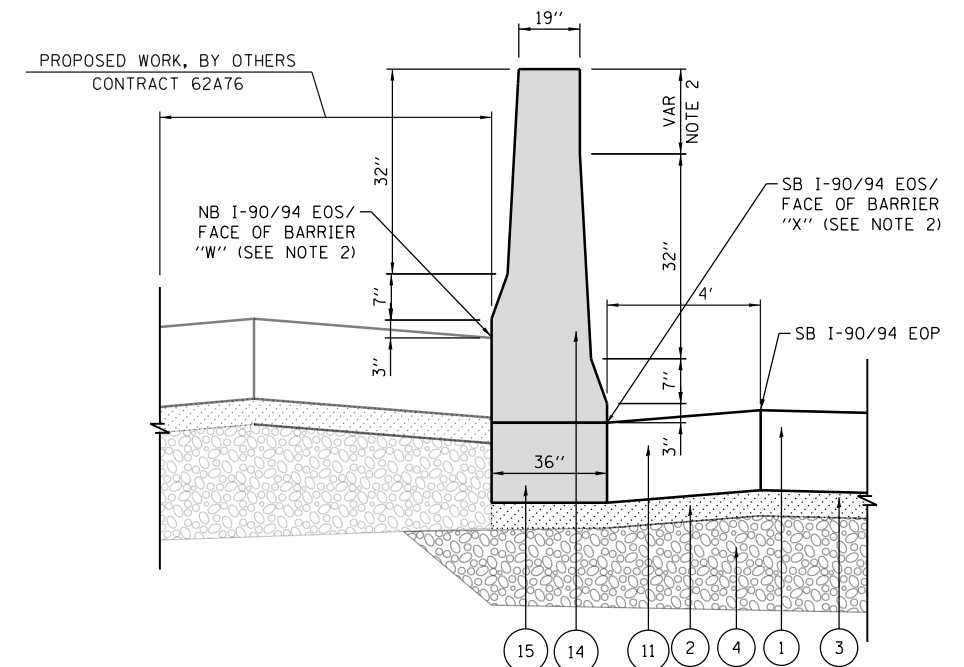
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	194
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				



**SECTION B-B**  
CONCRETE BARRIER AT AIS  
SCALE: NONE



**SECTION C-C**  
CONCRETE BARRIER AT AIS  
SCALE: NONE



**SECTION D-D**  
CONCRETE BARRIER AT AIS  
SCALE: NONE

**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.
2. SEE CONCRETE BARRIER LAYOUT TABLE ON SHEET 167A FOR ADDITIONAL INFORMATION.

**LEGEND:**

- ① CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
- ② SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ③ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
- ④ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ⑦ CONCRETE BARRIER TRANSITION
- ⑧ TOPSOIL FURNISH AND PLACE, 24"
- ⑨ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
- ⑩ PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2" (JOINTED)
- ⑪ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
- ⑫ CONCRETE BARRIER WALL (SPECIAL)
- ⑬ CONCRETE BARRIER BASE (SPECIAL)
- ⑭ CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)
- ⑮ CONCRETE BARRIER BASE (SPECIAL NO. 6)
- ⑯ CONCRETE BARRIER BASE (SPECIAL NO. 7)

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D162A77-SHT-DET-111-BAR-28C.dgn  
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DATE - 3/4/2020

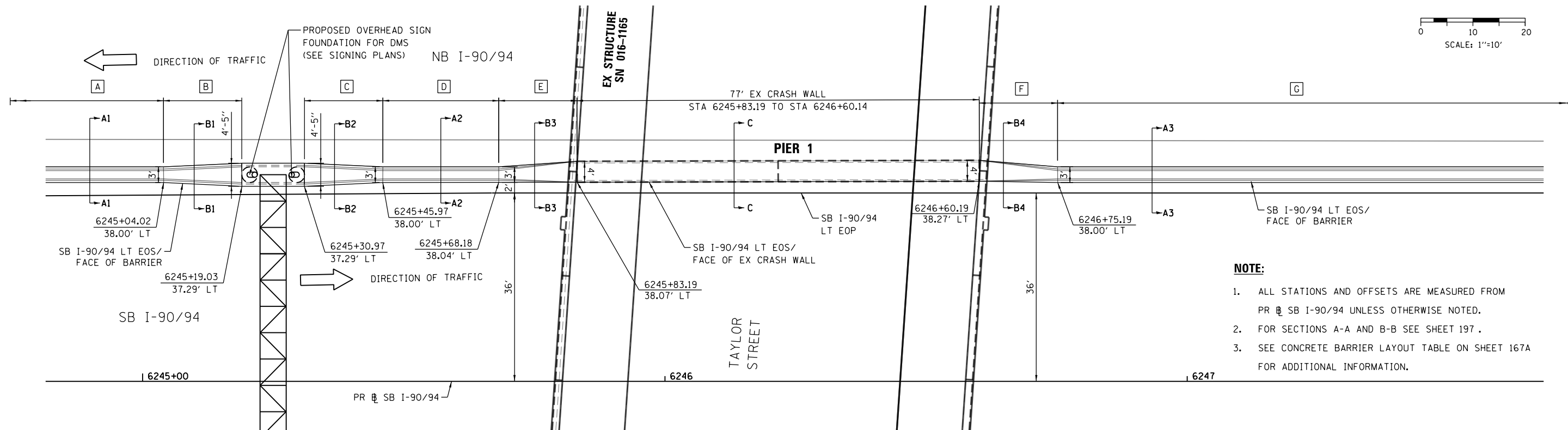
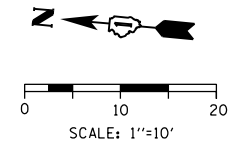
REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER SOUTH OF ACCIDENT INVESTIGATION SITE

SCALE: NONE SHEET 34 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	195
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

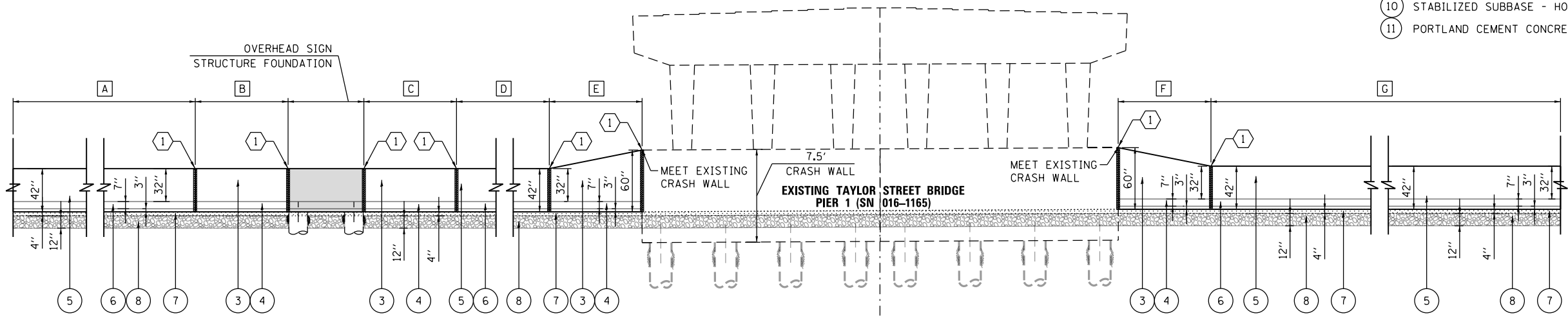


**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR  $\square$  SB I-90/94 UNLESS OTHERWISE NOTED.
2. FOR SECTIONS A-A AND B-B SEE SHEET 197.
3. SEE CONCRETE BARRIER LAYOUT TABLE ON SHEET 167A FOR ADDITIONAL INFORMATION.

- |   |  |
|---|--|
| <p><b>A</b> CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)<br/>CONCRETE BARRIER BASE (SPECIAL NO. 6)<br/>STA 6241+65.26 TO STA 6245+04.02</p> <p><b>B</b> CONCRETE BARRIER TRANSITION<br/>CONCRETE BARRIER BASE (SPECIAL NO. 7)<br/>STA 6245+04.02 TO STA 6245+19.03</p> <p><b>C</b> CONCRETE BARRIER TRANSITION<br/>CONCRETE BARRIER BASE (SPECIAL NO. 7)<br/>STA 6245+30.97 TO STA 6245+45.97</p> <p><b>D</b> CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)<br/>CONCRETE BARRIER BASE (SPECIAL NO. 6)<br/>STA 6245+45.97 TO STA 6245+68.18</p> | <p><b>E</b> CONCRETE BARRIER TRANSITION<br/>CONCRETE BARRIER BASE (SPECIAL NO. 7)<br/>STA 6245+68.18 TO STA 6245+83.19</p> <p><b>F</b> CONCRETE BARRIER TRANSITION<br/>CONCRETE BARRIER BASE (SPECIAL NO. 7)<br/>STA 6246+60.19 TO STA 6246+75.19</p> <p><b>G</b> CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)<br/>CONCRETE BARRIER BASE (SPECIAL NO. 6)<br/>STA 6246+75.19 TO STA 6252+00.04</p> <p><b>1</b> 2" PREFORMED JOINT FILLER (PJF),<br/>INCLUDED IN THE COST OF CONCRETE BARRIER</p> |
|---|--|

- LEGEND:**
- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ② CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ③ CONCRETE BARRIER TRANSITION
  - ④ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑤ CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 6)
  - ⑦ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑨ CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12½"
  - ⑩ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ⑪ PORTLAND CEMENT CONCRETE SHOULDERS 12½"

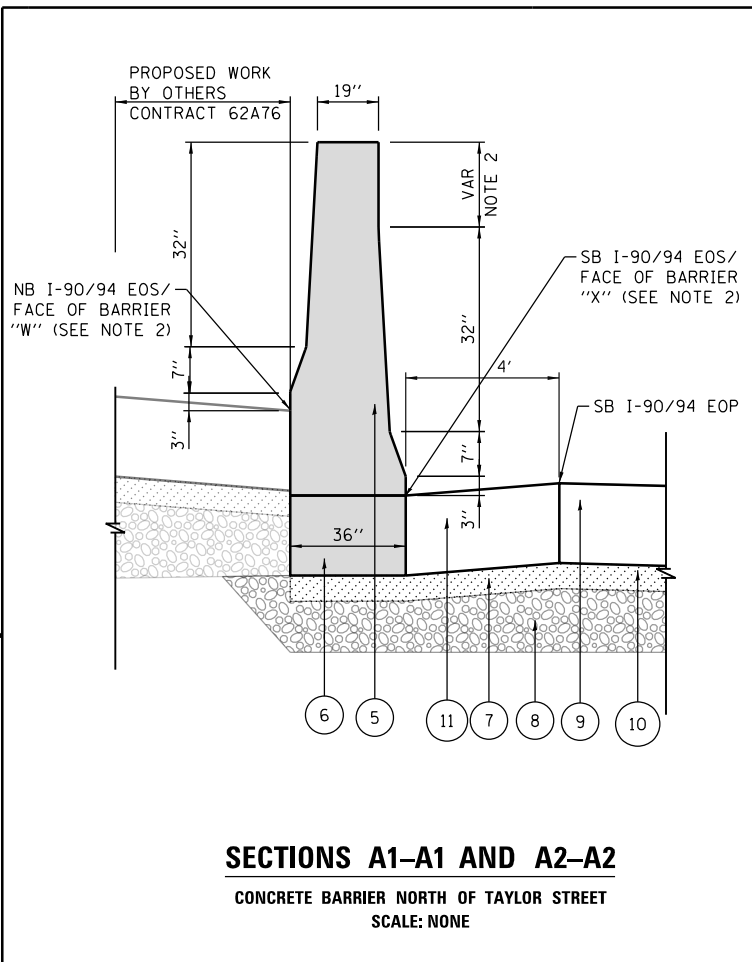


**ELEVATION VIEW**  
CONCRETE BARRIER WALLS AT TAYLOR ST BRIDGE PIER  
SCALE: NONE

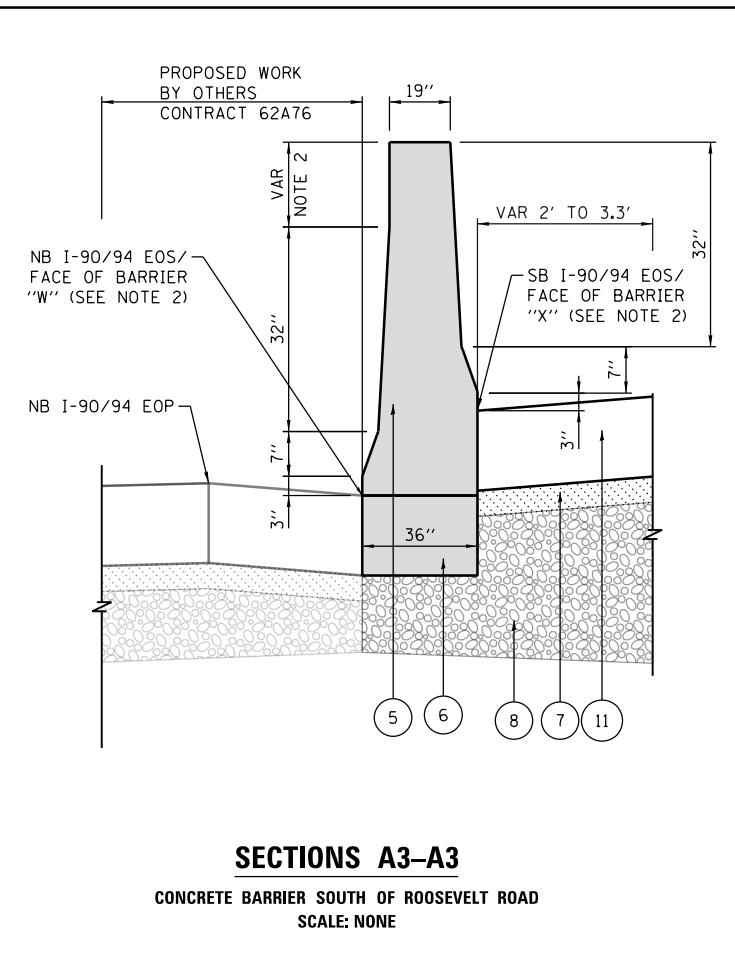
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<p>303 EAST WACKER DRIVE, SUITE 1400 CHICAGO, IL 60601-5276 PHONE: (312) 373-1700 FAX: (312) 373-6800</p>	D162A77-SHT-DET-11-1-BAR-29.dgn USER NAME = dshevoz PLOT SCALE = 20.0000' / in. PLOT DATE = 2/28/2020	DESIGNED - OPS DRAWN - OPS CHECKED - MJE DATE - 3/4/2020	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CONCRETE BARRIER DETAILS</b> <b>CONCRETE BARRIER AT TAYLOR STREET</b>	F.A.I. RTE. 90/94/290	SECTION 2015-018R	COUNTY COOK	TOTAL SHEETS 1360	SHEET NO. 196
	SCALE: NONE SHEET 35 OF 43 SHEETS STA. TO STA.					CONTRACT NO. 62A77 ILLINOIS FED. AID PROJECT				

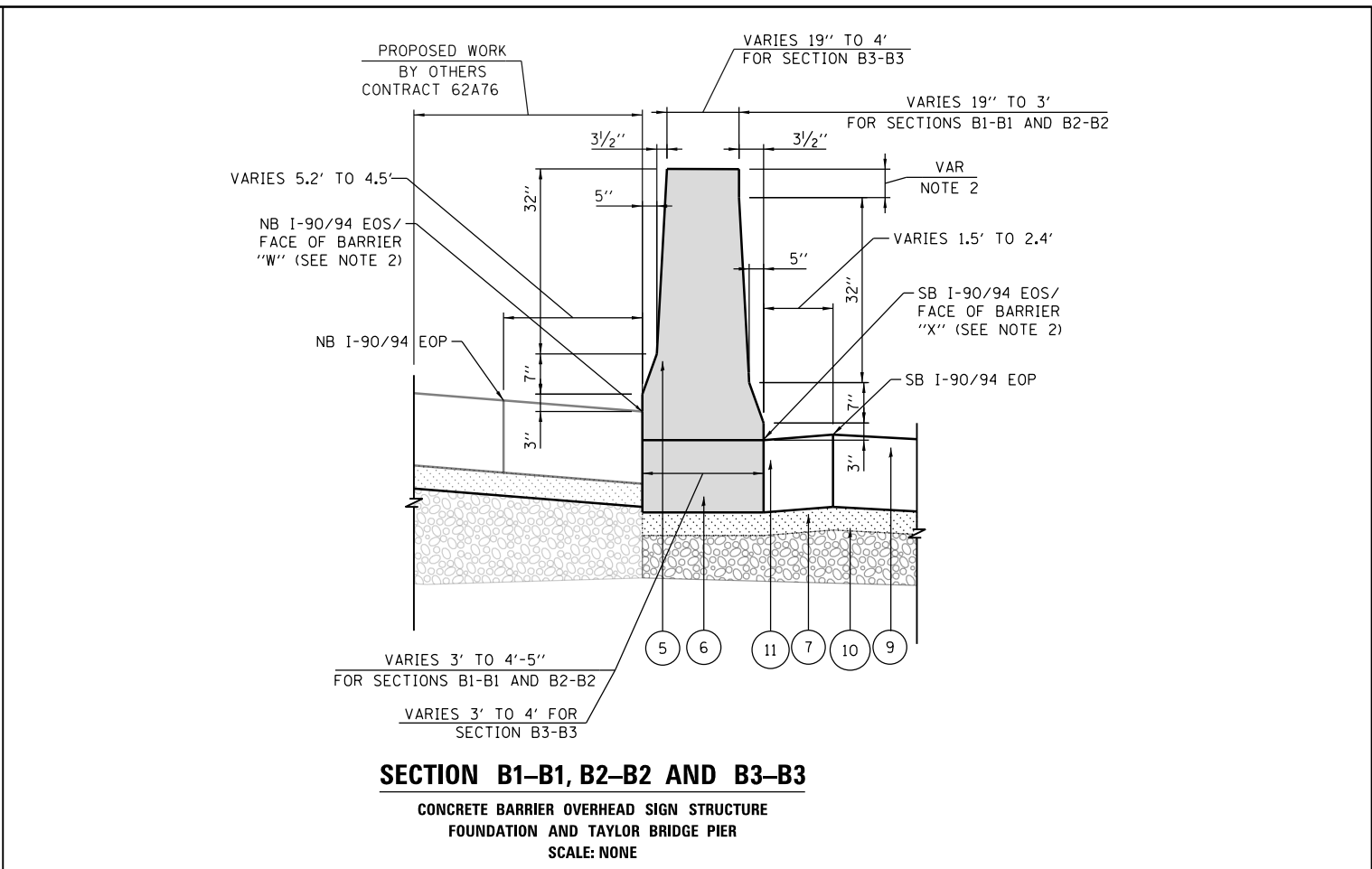
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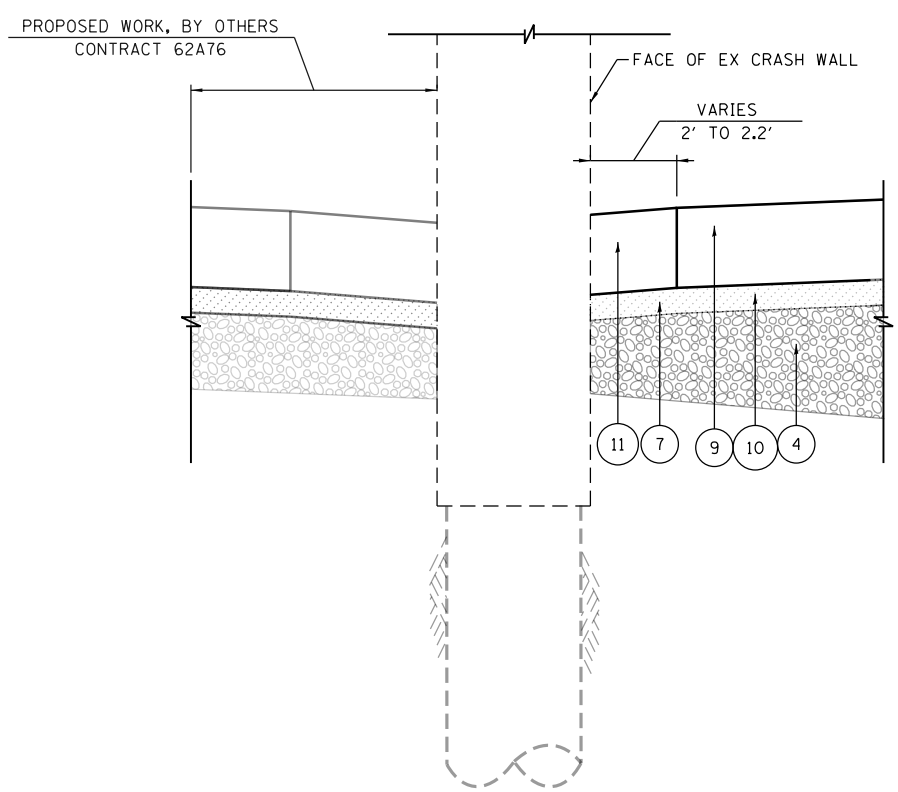
**SECTIONS A1-A1 AND A2-A2**  
**CONCRETE BARRIER NORTH OF TAYLOR STREET**  
 SCALE: NONE



**SECTIONS A3-A3**  
**CONCRETE BARRIER SOUTH OF ROOSEVELT ROAD**  
 SCALE: NONE



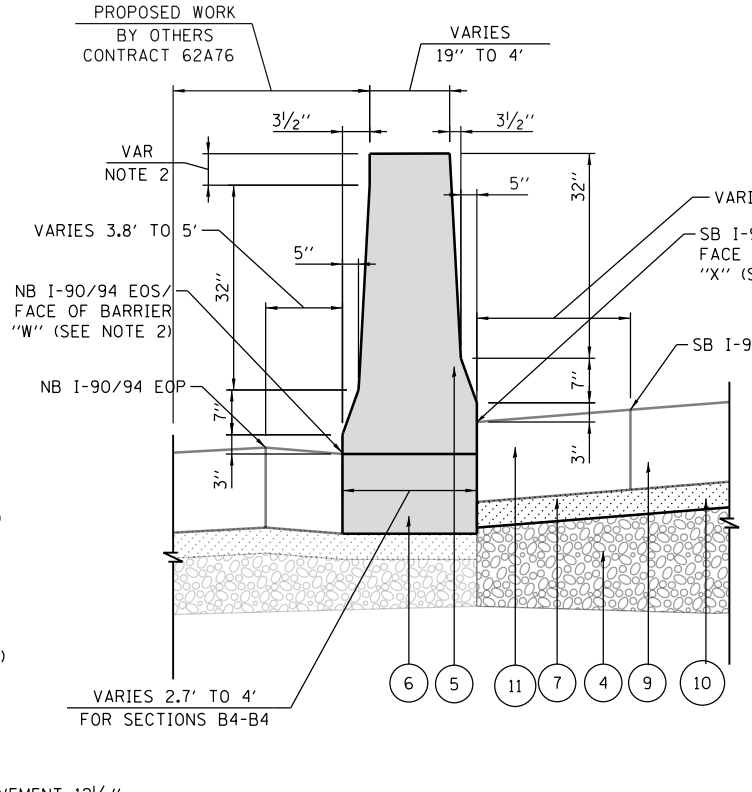
**SECTION B1-B1, B2-B2 AND B3-B3**  
**CONCRETE BARRIER OVERHEAD SIGN STRUCTURE**  
**FOUNDATION AND TAYLOR BRIDGE PIER**  
 SCALE: NONE



**SECTION C-C**  
**CONCRETE BARRIER TAYLOR STREET BRIDGE PIER**  
 SCALE: NONE

- NOTE:**
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR @ SB I-90/94 UNLESS OTHERWISE NOTED.
  2. SEE CONCRETE BARRIER LAYOUT TABLE ON SHEET 167A FOR ADDITIONAL INFORMATION.

- LEGEND:**
- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ② CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ③ CONCRETE BARRIER TRANSITION
  - ④ CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - ⑤ CONCRETE BARRIER, DOUBLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 6)
  - ⑦ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑧ AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ⑨ CONTINUOUSLY REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT 12 1/2"
  - ⑩ STABILIZED SUBBASE - HOT-MIX ASPHALT, 4"
  - ⑪ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"



**SECTION B4-B4**  
**CONCRETE BARRIER OVERHEAD SIGN STRUCTURE**  
**FOUNDATION AND TAYLOR BRIDGE PIER**  
 SCALE: NONE



D162A77-SHT-DETAIL-BAR-29A.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 2/28/2020

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 3/4/2020

REVISED -  
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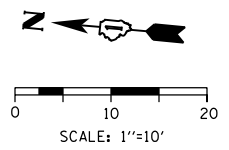
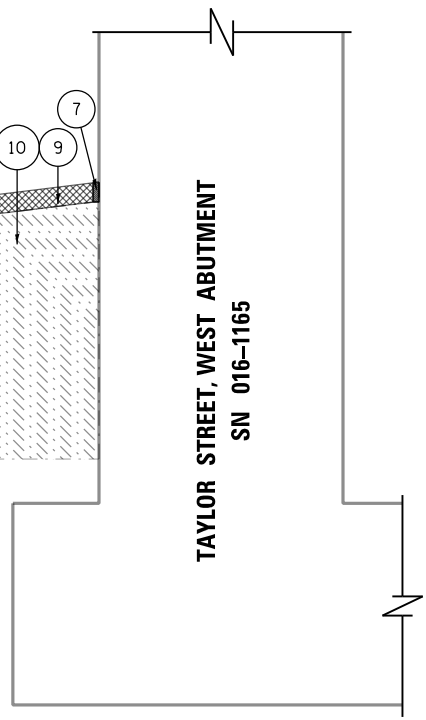
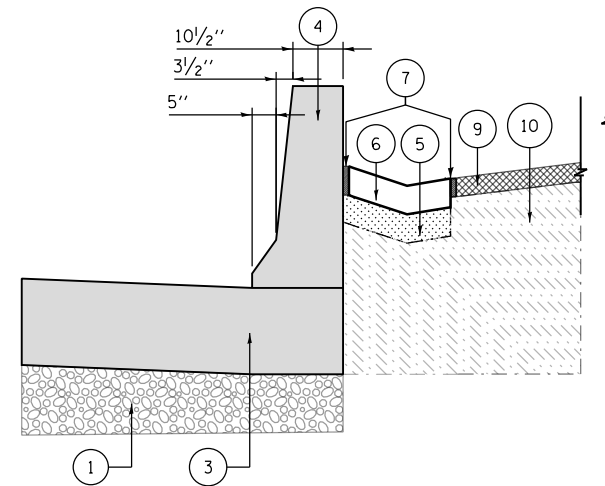
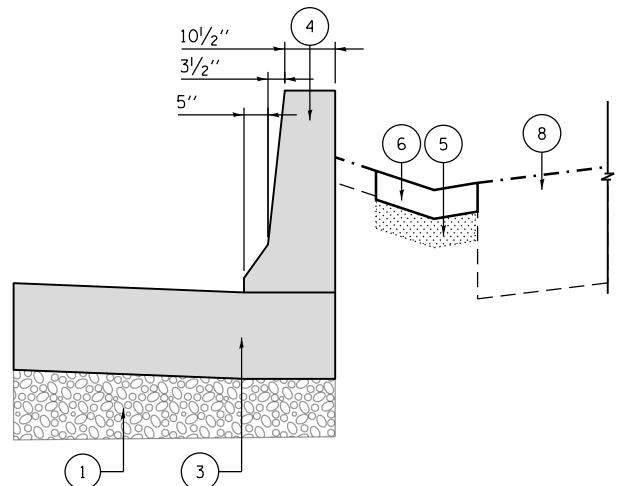
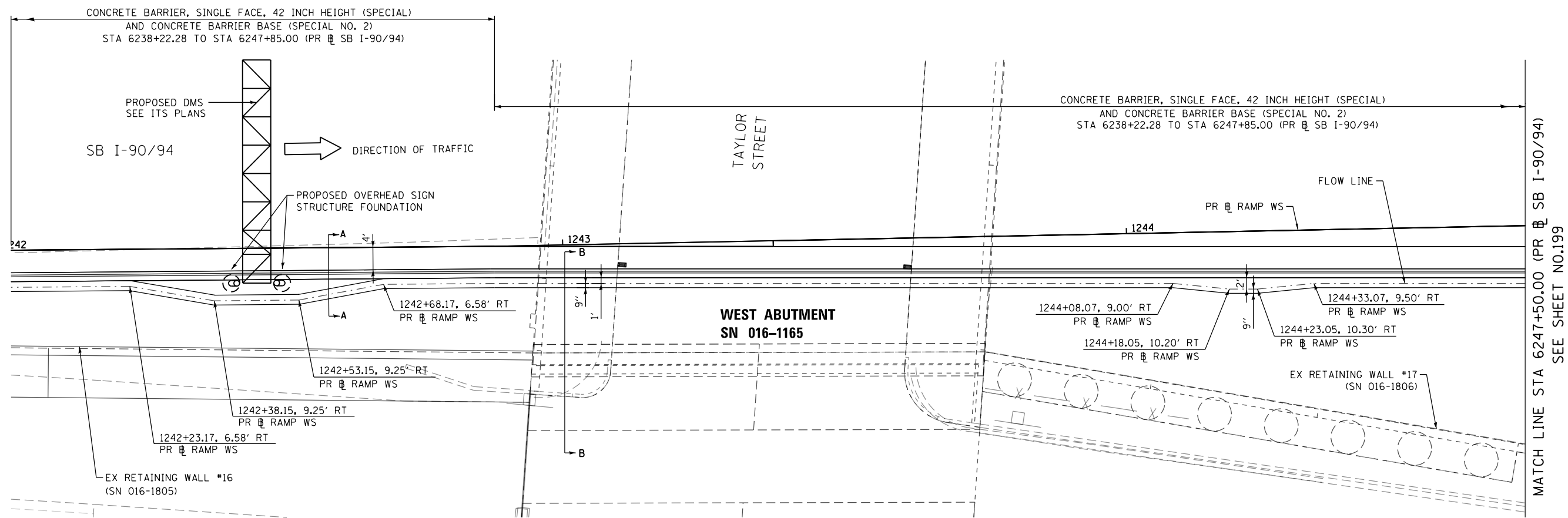
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CONCRETE BARRIER DETAILS**  
**CONCRETE BARRIER AT**  
**TAYLOR ST BRIDGE PIER 1**

SCALE: NONE SHEET 35 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	197
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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- LEGEND:**
- ① AGGREGATE SUBGRADE IMPROVEMENT 12"
  - ② CONCRETE BARRIER BASE (SPECIAL NO. 1)
  - ③ CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - ④ CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - ⑤ SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - ⑥ CONCRETE GUTTER, TYPE B
  - ⑦ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
  - ⑧ TOPSOIL FURNISH AND PLACE, 24"
  - ⑨ CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - ⑩ POROUS GRANULAR EMBANKMENT

**NOTE:**  
ALL STATIONS AND OFFSETS ARE MEASURED FROM PR  $\varnothing$  RAMP WS UNLESS OTHERWISE NOTED.



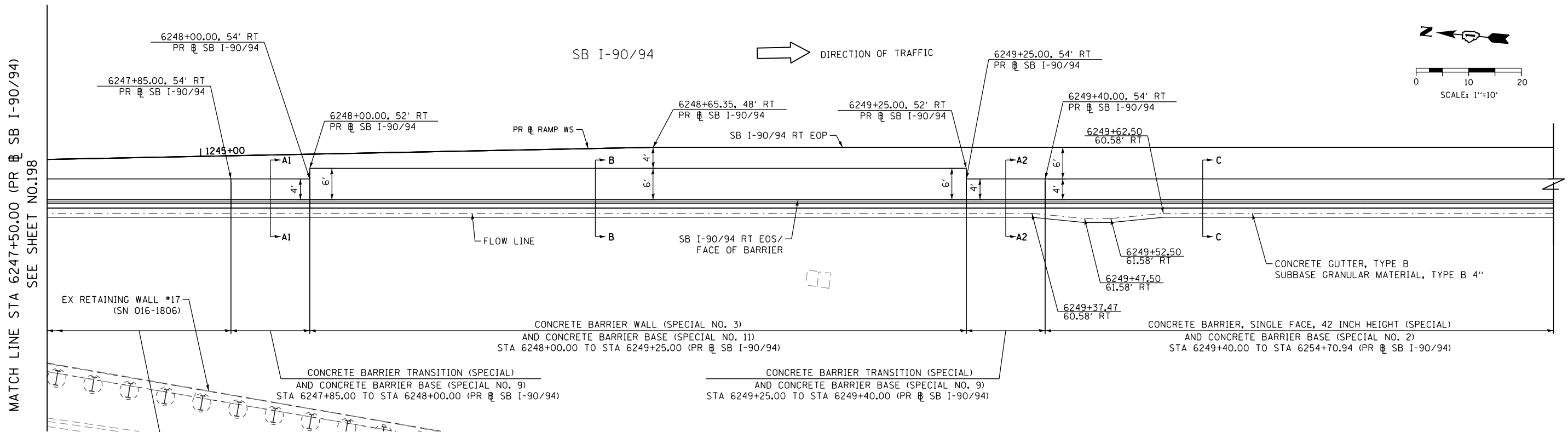
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PLOT DATE = 1/31/2020	DATE - 1/29/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS CONCRETE BARRIER AT TAYLOR ST BRIDGE WEST ABUTMENT		
SCALE: NONE	SHEET 37 OF 43 SHEETS	STA. TO STA.

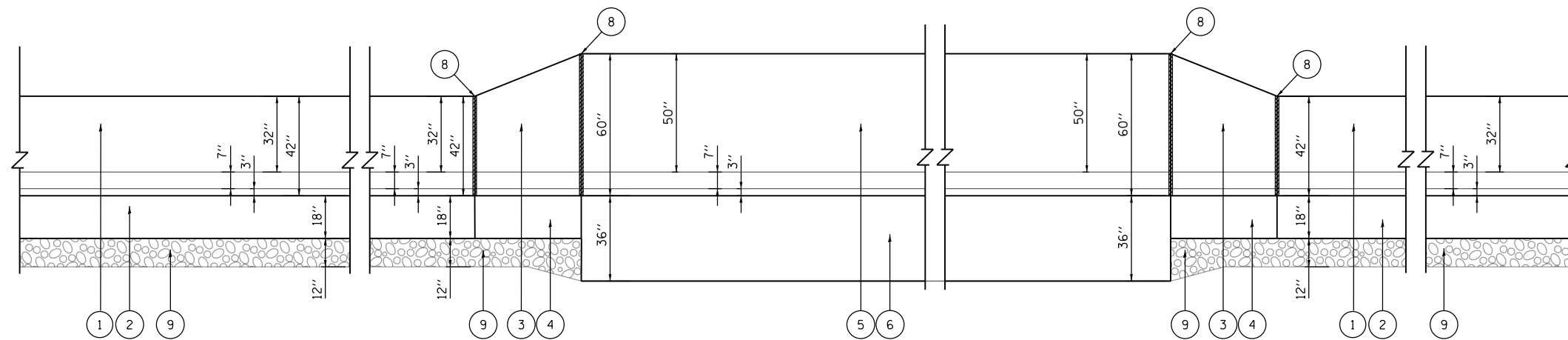
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	198
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

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**PLAN VIEW**

SCALE: NONE



**ELEVATION VIEW**

SCALE: NONE

**LEGEND:**

- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ② CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ③ CONCRETE BARRIER TRANSITION (SPECIAL)
- ④ CONCRETE BARRIER BASE (SPECIAL NO. 9)
- ⑤ CONCRETE BARRIER WALL (SPECIAL NO. 3)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 11)
- ⑦ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑧ 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST OF CONCRETE BARRIER
- ⑨ AGGREGATE SUBGRADE IMPROVEMENT 12"

**NOTE:**

1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 UNLESS OTHERWISE NOTED.
2. FOR SECTIONS A1-A2, A2-A2, B-B AND C-C SEE SHEET 199A



D162A77-SHT-DETAIL-BAR-30A.dgn  
 USER NAME = dshevoz  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 3/4/2020

DESIGNED - OPS  
 DRAWN - OPS  
 CHECKED - MJE  
 DATE - 3/4/2020

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

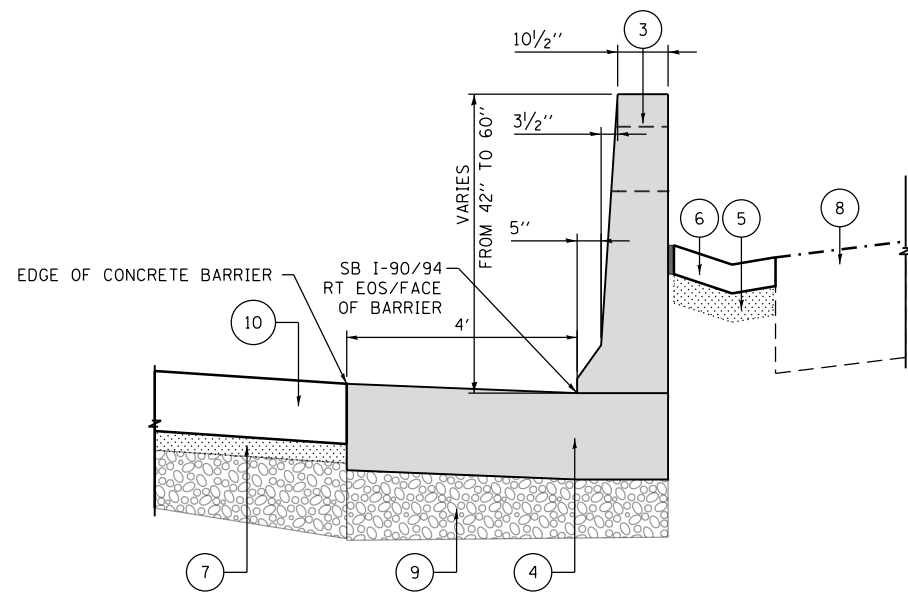
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
 6' HEIGHT CONCRETE BARRIER AND  
 CONCRETE BARRIER TRANSITION

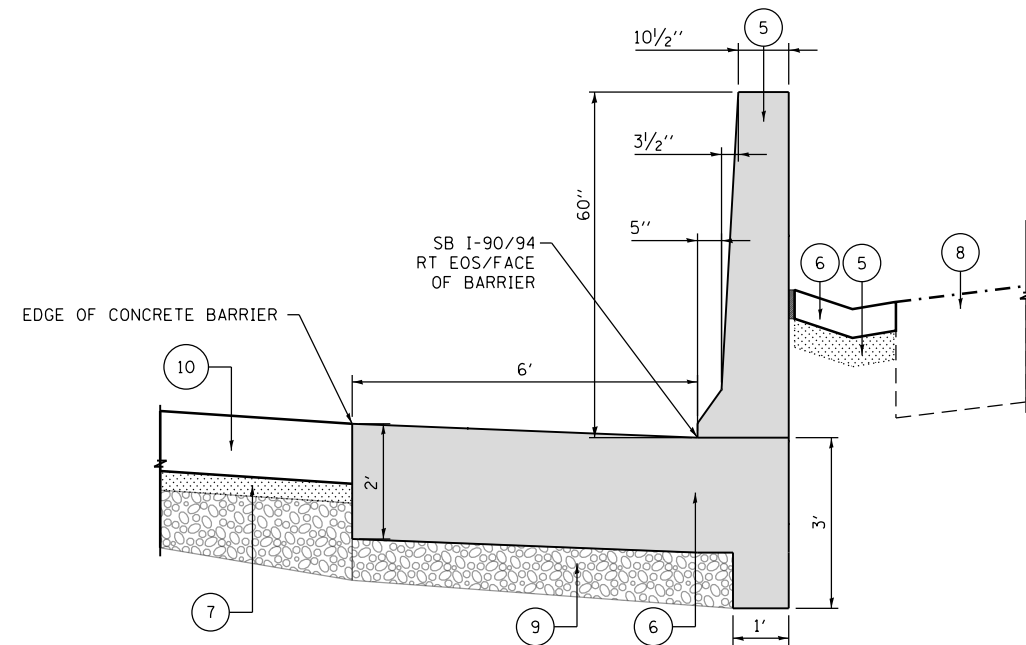
SCALE: NONE SHEET 38 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	199
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

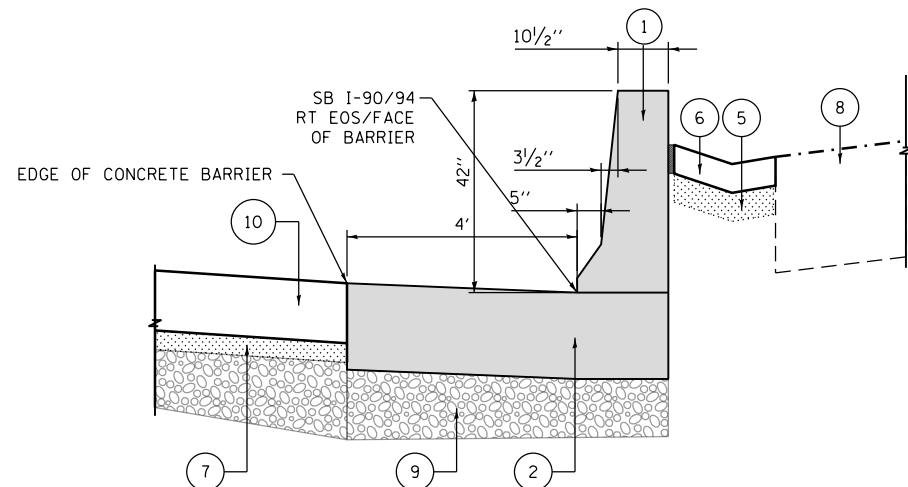
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**SECTION A1-A1 & A2-A2**  
CONCRETE BARRIER TRANSITION FROM 60" TO 42" HEIGHT  
SCALE: NONE



**SECTION B-B**  
CONCRETE BARRIER - 60" HEIGHT  
SCALE: NONE



**SECTION C-C**  
CONCRETE BARRIER - 42" HEIGHT  
SCALE: NONE

**LEGEND:**

- ① CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
- ② CONCRETE BARRIER BASE (SPECIAL NO. 2)
- ③ CONCRETE BARRIER TRANSITION (SPECIAL)
- ④ CONCRETE BARRIER BASE (SPECIAL NO. 9)
- ⑤ CONCRETE BARRIER WALL (SPECIAL NO. 3)
- ⑥ CONCRETE BARRIER BASE (SPECIAL NO. 11)
- ⑦ SUBBASE GRANULAR MATERIAL, TYPE B 4"
- ⑧ 3/4" PREFORMED JOINT FILLER (PJF),  
INCLUDED IN THE COST OF CONCRETE BARRIER
- ⑨ AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑩ PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"



D162A77-SHT-DETAIL-BAR-30B.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 3/4/2020

DESIGNED - OPS  
DRAWN - OPS  
CHECKED - MJE  
DATE - 3/4/2020

REVISED -  
REVISED -  
REVISED -  
REVISED -

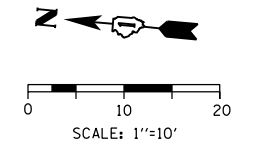
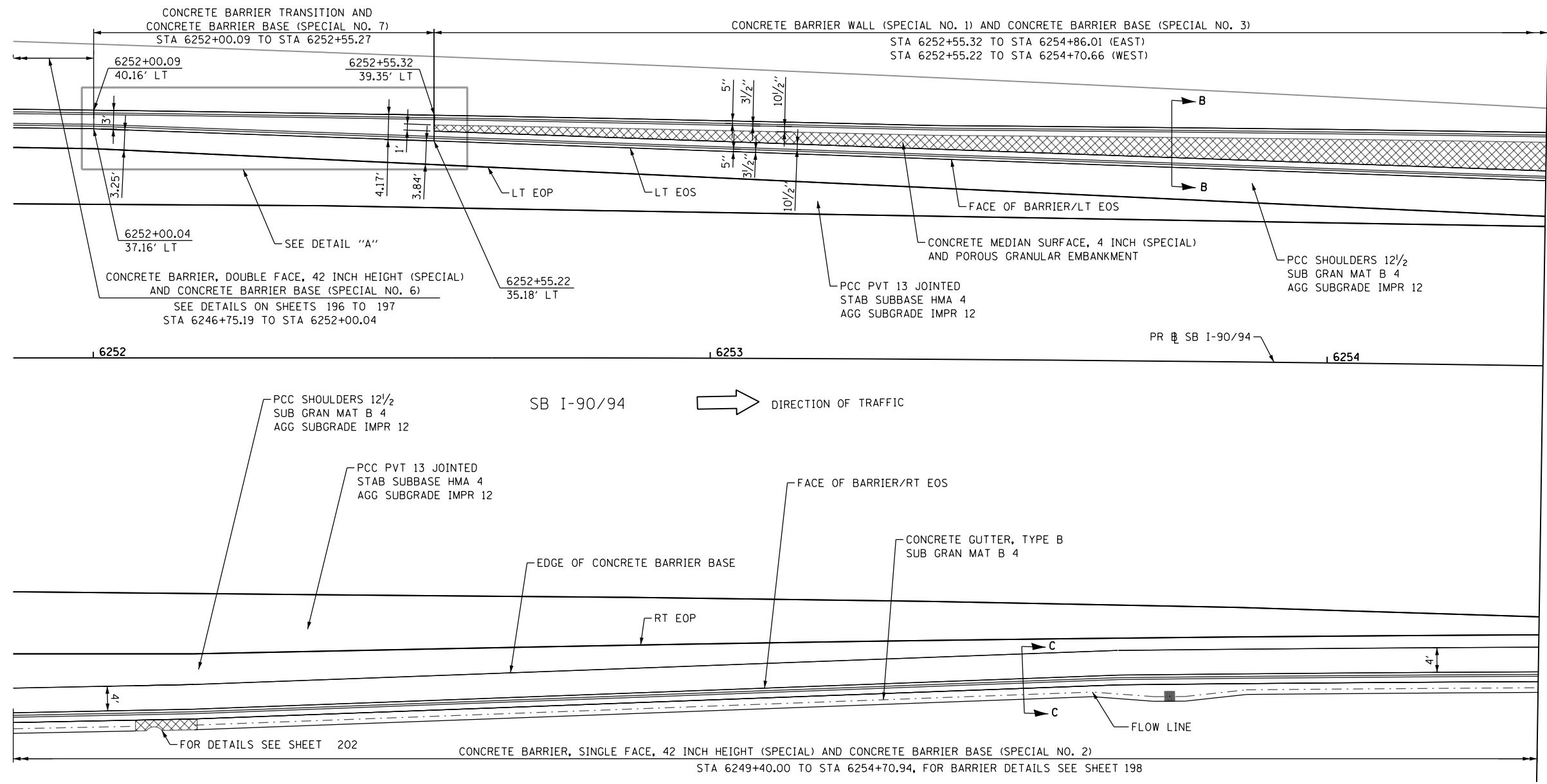
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
6' HEIGHT CONCRETE BARRIER AND  
CONCRETE BARRIER TRANSITION

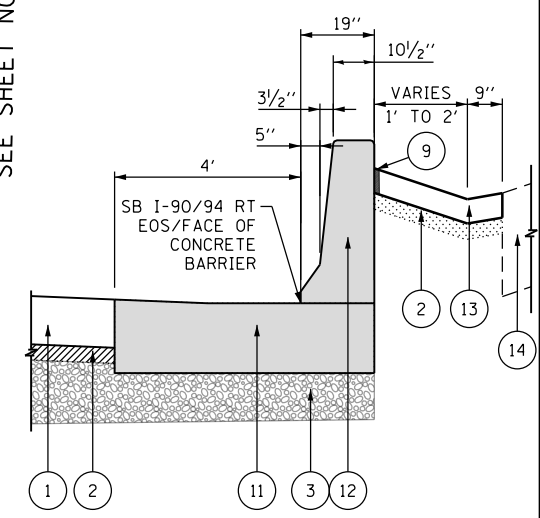
SCALE: NONE SHEET 39 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	199A
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				

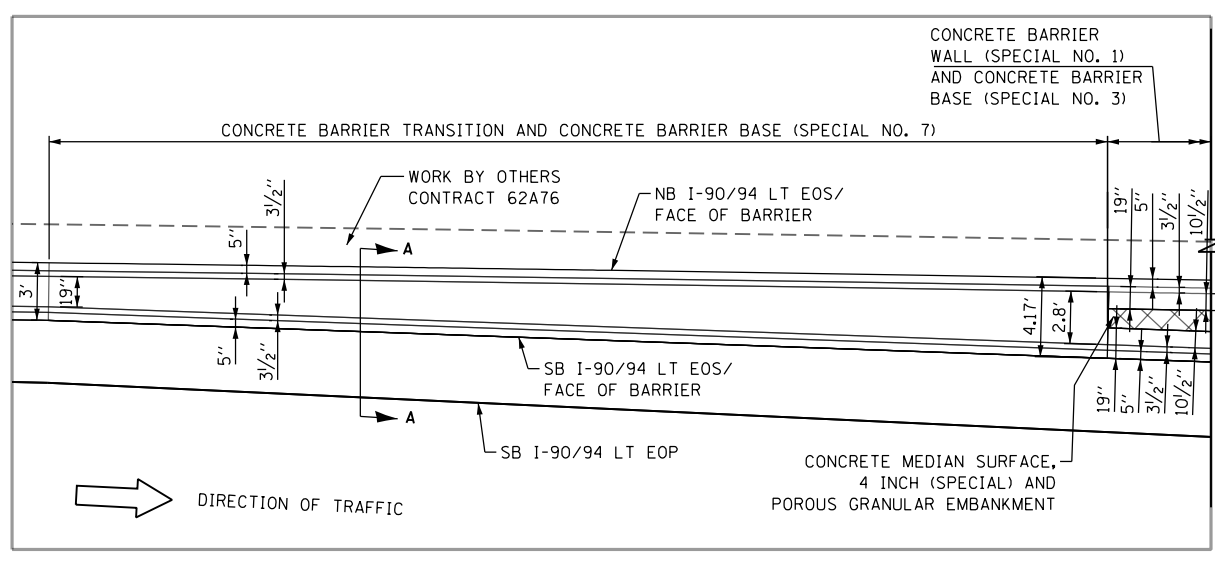
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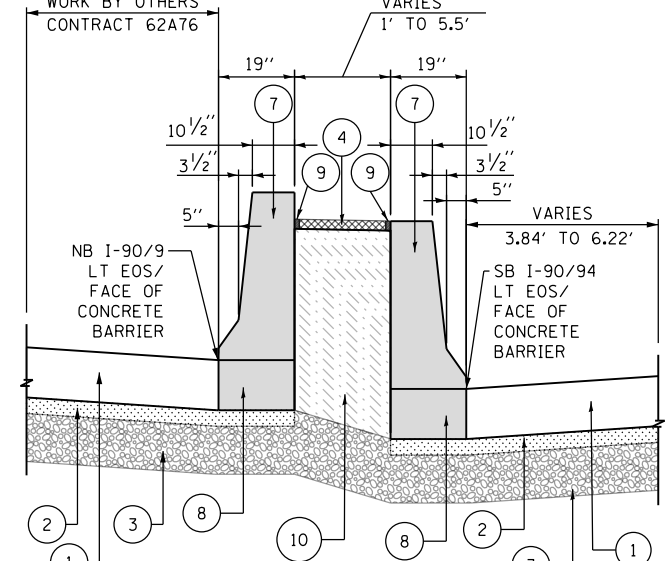
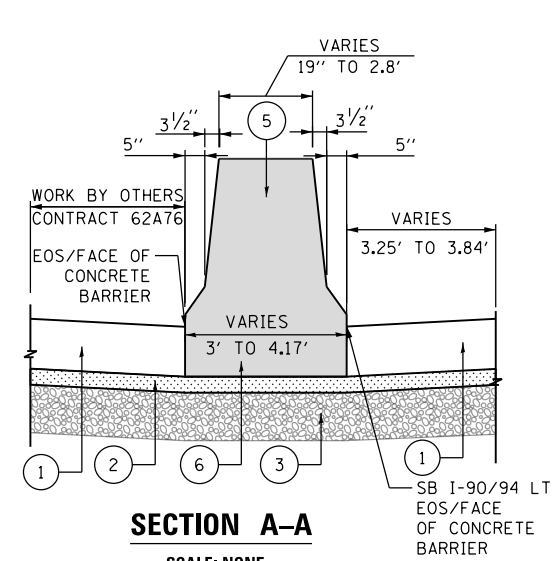
MATCH LINE STA 6254+35.00 (PR SB I-90/94)  
SEE SHEET NO. 201



- LEGEND:**
- 1 PORTLAND CEMENT CONCRETE SHOULDERS 12 1/2"
  - 2 SUBBASE GRANULAR MATERIAL, TYPE B 4"
  - 3 AGGREGATE SUBGRADE IMPROVEMENT 12"
  - 4 CONCRETE MEDIAN SURFACE, 4 INCH (SPECIAL)
  - 5 CONCRETE BARRIER TRANSITION
  - 6 CONCRETE BARRIER BASE (SPECIAL NO. 7)
  - 7 CONCRETE BARRIER WALL (SPECIAL NO. 1)
  - 8 CONCRETE BARRIER BASE (SPECIAL NO. 3)
  - 9 3/4" PREFORMED JOINT FILLER (PJF), INCLUDED IN THE COST CONCRETE BARRIER
  - 10 POROUS GRANULAR EMBANKMENT
  - 11 CONCRETE BARRIER BASE (SPECIAL NO. 2)
  - 12 CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)
  - 13 CONCRETE GUTTER, TYPE B
  - 14 TOPSOIL FURNISH AND PLACE, 24"



**DETAIL "A": PLAN VIEW**  
SCALE: NONE



**NOTE:**  
1. ALL STATIONS AND OFFSETS ARE MEASURED FROM PR SB I-90/94 ALIGNMENT UNLESS OTHERWISE NOTED.



D162A77-SHT-DETAIL-BAR-31.dgn  
USER NAME = dshevoz  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 1/31/2020

DESIGNED - OPS  
DRAWN - LMB  
CHECKED - MJE  
DATE - 1/29/2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE BARRIER DETAILS  
CONCRETE BARRIER ON AT PAVEMENT WIDENING

SCALE: NONE SHEET 40 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2015-018R	COOK	1360	200
CONTRACT NO. 62A77				
ILLINOIS FED. AID PROJECT				