

FOR INDEX OF SHEETS AND STANDARDS SEE SHEET NO. 2 AND 3

STATE OF ILLINOIS

* 706 + 20 = 726 TOTAL SHEETS
* 726 + 4 = 730

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	706	1
ILLINOIS			CONTRACT NO. 60X78	

DESIGN DESIGNATIONS:

WB I-290 31,000(2040) INTERSTATE
CANAL STREET ENTRANCE 4,000(2040) INTERSTATE RAMP

POSTED /DESIGN SPEEDS:

45 /50 MPH
30 /30 MPH

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROJECT LOCATED IN CITY OF CHICAGO

D-91-227-13

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 90/94 AT I-290/CONGRESS PARKWAY
(JANE BYRNE INTERCHANGE)
BRIDGE WESTBOUND (EAST OF DES PLAINES) &
I-290 WESTBOUND BRIDGE OVER I-90/94
SECTION 2014-004R&B
BRIDGE AND RETAINING WALL CONSTRUCTION,
ROADWAY RECONSTRUCTION,
AND LIGHTING
PROJECT: ACNHPP-000V(063)
COOK COUNTY
C-91-189-14



NPDES PERMIT INFORMATION	
NPDES Disturbed	
Area =	3.75 Acres
Approximate Location of Roadway is :	
Longitude	87° 39' 15.85" W
Latitude	41° 52' 32.99" N

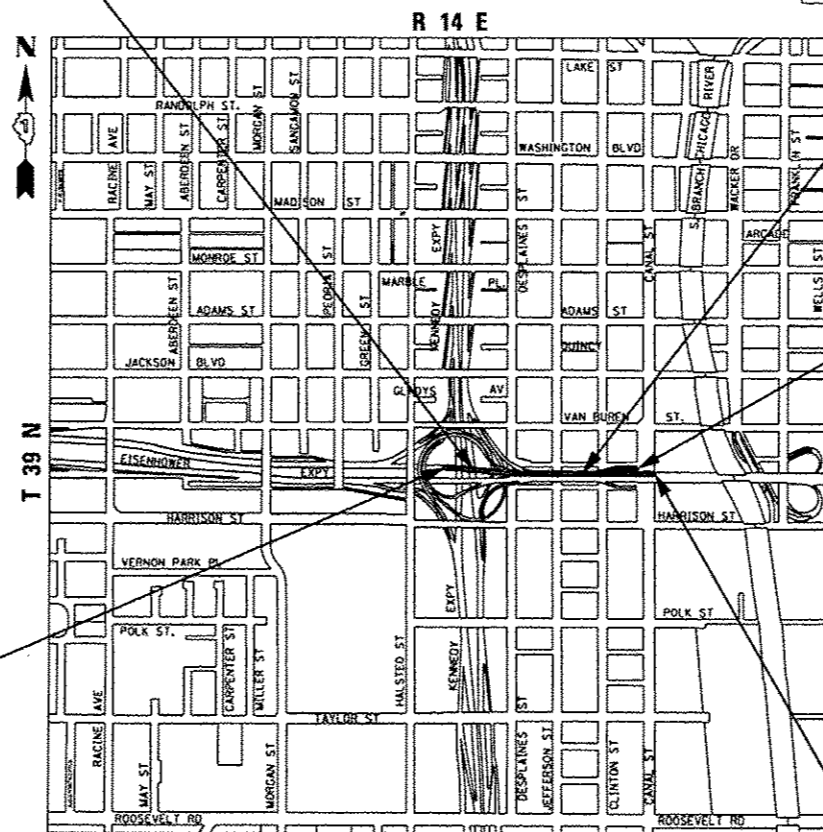
WB I-290 OVER
I-90/94 BRIDGE
SN 016-1703
STA 5212 + 92.32 TO
STA 5218 + 04.93

WB CONGRESS
VIADUCT BRIDGE
SN 016-0461
STA 5199 + 90.74 TO
STA 5212 + 92.32

RETAINING WALL 44
SN 016-1831
STA 1199 + 37.20 TO
STA 1200 + 75.95

BEGIN PROJECT LIMIT
STA 5199 + 90.74

END PROJECT LIMIT
STA 5218 + 33.89



LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 1,981.90 FT (0.378 MILES)

NET LENGTH = 1,981.90 FT (0.378 MILES)



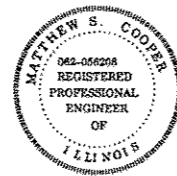
D.B.M. 3/14/16
DANNY B. MANDJLOVSKI DATE
LICENSE EXPIRES 11/30/2017
SHEET RANGE



Jamal Grainawi 3/14/16
JAMAL I. GRAINAWI DATE
LICENSE EXPIRES 11/30/2016
SHEET RANGE



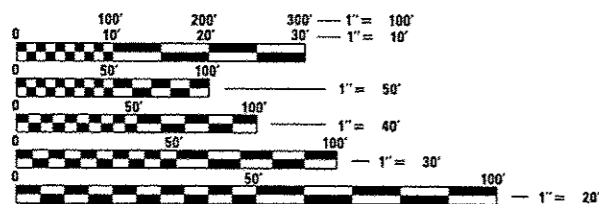
William D. Stermer 3/14/16
WILLIAM D. STERMER DATE
LICENSE EXPIRES 11/30/2017
SHEET RANGE



Matthew S. Cooper 3/14/16
MATTHEW S. COOPER DATE
LICENSE EXPIRES 11/30/2016
SHEET RANGE



Oranit P. Sanchez 3/14/16
ORANIT P. SANCHEZ DATE
LICENSE EXPIRES 11/30/2017
SHEET RANGE



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000

PROJECT ENGINEER: LISA CHRZASC
PROJECT MANAGER: BRIAN KUTTAB

CONTRACT NO. 60X78

AECOM

**PARSONS
BRINCKERHOFF**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 14* 20 *16*
John Fatima REGIONAL ENGINEER

May 6 20 *16*
Margaret M. Addis, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 6 20 *16*
Orhan Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Rev. 6-1-16

PLOT DATE: 3/10/2016

DISTRICT 1 DESIGN /CONSULTANT SERVICES: BRIAN KUTTAB, P.E. (847)705-4431 SCHAUMBURG, ILLINOIS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY	HIGHWAY LIGHTING	BRIDGE	BRIDGE	RETAINING WALL
				0004 URBAN	0021 URBAN	0011 S. N. 016-1703	0014 S. N. 016-0461	0044 S. N. 016-1831
50102400	CONCRETE REMOVAL	CU YD	194.8 ^Δ				194.8 ^Δ	
50104720	REMOVAL OF EXISTING CONCRETE DECK	EACH	3				3	
50157300	PROTECTIVE SHIELD	SO YD	10,967 ^Δ			3222	7745 ^Δ	
50200100	STRUCTURE EXCAVATION	CU YD	1403			994	201	208
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	720					720
50300225	CONCRETE STRUCTURES	CU YD	1019.8			622	397.8	
50300254	RUBBED FINISH	SO FT	895			895		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2755.3 ^Δ			877	1878.3 ^Δ	
50300260	BRIDGE DECK GROOVING	SO YD	8741 ^Δ			2818	5923 ^Δ	
50300285	FORM LINER TEXTURED SURFACE	SO FT	3022			3022		
50300300	PROTECTIVE COAT	SO YD	10,373 ^Δ			3483	6890 ^Δ	
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	LSUM	1			0.6	0.4	
50500505	STUD SHEAR CONNECTORS	EACH	39456			10344	29112	
50800105	REINFORCEMENT BARS	POUND	217790			217790		

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

^Δ Rev. 6-1-16

FILE PATH: P:\AS2017\AN88_C00\BRC_Roadway\Drawings\Quantity\60X78\016-01-16_Final_Plot_Escape\0160X78-1-16.dwg



D:\60X78-1-16.dgn
 USER NAME = PHSARND
 PLOT SCALE = 2.0000 ' / 1" =
 PLOT DATE = 3/21/2016

DESIGNED - AFC	REVISED -
DRAWN - AFC	REVISED -
CHECKED - DBM	REVISED -
DATE - 3/18/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 21 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	706	9
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY	HIGHWAY LIGHTING	BRIDGE	BRIDGE	RETAINING WALL
				0004 URBAN	0021 URBAN	0011 S. N. 016-1703	0014 S. N. 016-0461	0044 S. N. 016-1831
			URBAN 90% FEDERAL 10% STATE					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	843,895 ^A	255		332920	510,720 ^A	
50800515	BAR SPLICERS	EACH	6306			1935	4371	
50800530	MECHANICAL SPLICERS	EACH	363			363		
51100100	SLOPE WALL 4 INCH	SO YD	164			164		
51500100	NAME PLATES	EACH	1			1		
* 51603000	DRILLED SHAFT IN SOIL	CU YD	1076			1076		
* 51604000	DRILLED SHAFT IN ROCK	CU YD	31			31		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	127			52	75	
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	89				89	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	82			16	66	
52100030	ELASTOMERIC BEARING ASSEMBLY, TYPE III	EACH	14				14	
52100510	ANCHOR BOLTS, 3/4"	EACH	114				114	
52100520	ANCHOR BOLTS, 1"	EACH	320			80	240	
52100530	ANCHOR BOLTS, 1 1/4"	EACH	34			16	18	

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

^A Rev. 6-1-16

FILE PATH: P:\AS2007\21\088_C60\086_Roadway\Project\60X78\2016-03-18_Final_Plot_Epox\1\016078.dwg



0160X78-01-500.dgn
 USER NAME: PIMBARND
 PLOT SCALE: 2.0000' / 1" IN.
 PLOT DATE: 3/21/2016

DESIGNED - AFC
 DRAWN - AFC
 CHECKED - DBM
 DATE - 3/18/2016
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 21 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	706	10
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	URBAN 90% FEDERAL 10% STATE TOTAL QUANTITY	CONSTRUCTION CODE				
				ROADWAY 0004	HIGHWAY LIGHTING 0021	BRIDGE 0011	BRIDGE 0014	RETAINING WALL 0044
				URBAN	URBAN	S. N. 016-1703	S. N. 016-0461	S. N. 016-1831
*	89502350 REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	900		900			
	Z0001899 JACK AND REMOVE EXISTING BEARINGS	EACH	158				158	
	Z0001905 STRUCTURAL STEEL REPAIR	POUND	18,774 Δ				18,774 Δ	
	Z0004002 BOLLARDS	EACH	9	9				
	Z0004552 APPROACH SLAB REMOVAL	SO YD	150	150				
	Z0006016 BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SO YD	613				613	
	Z0007126 HANDRAIL REMOVAL	FOOT	62.5				62.5	
**	Z0010614 CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	1		1			
	Z0012146 BRIDGE DECK SCARIFICATION 2 3/4"	SO YD	613				613	
	Z0012754 STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SO FT	1574 Δ				1574 Δ	
	Z0012755 STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SO FT	48				36	12
	Z0013798 CONSTRUCTION LAYOUT	LSUM	1	1				
	Z0016001 DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SO YD	2				2	
	Z0016002 DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SO YD	19				19	

* DENOTES SPECIALTY ITEM

** DENOTES NON-PARTICIPATING ITEM

Δ Rev. 6-1-16

FILE PATH: P:\AECOM\2016\001086_Roadway\Production\60X78\2016-03-18_Final_Plot_Escape\0160X78-11-500.dwg



D:\B\78-ah-500.dgn
 USER NAME = PHSARND
 PLOT SCALE = 2:0000 / 1" = 100'
 PLOT DATE = 3/21/2016

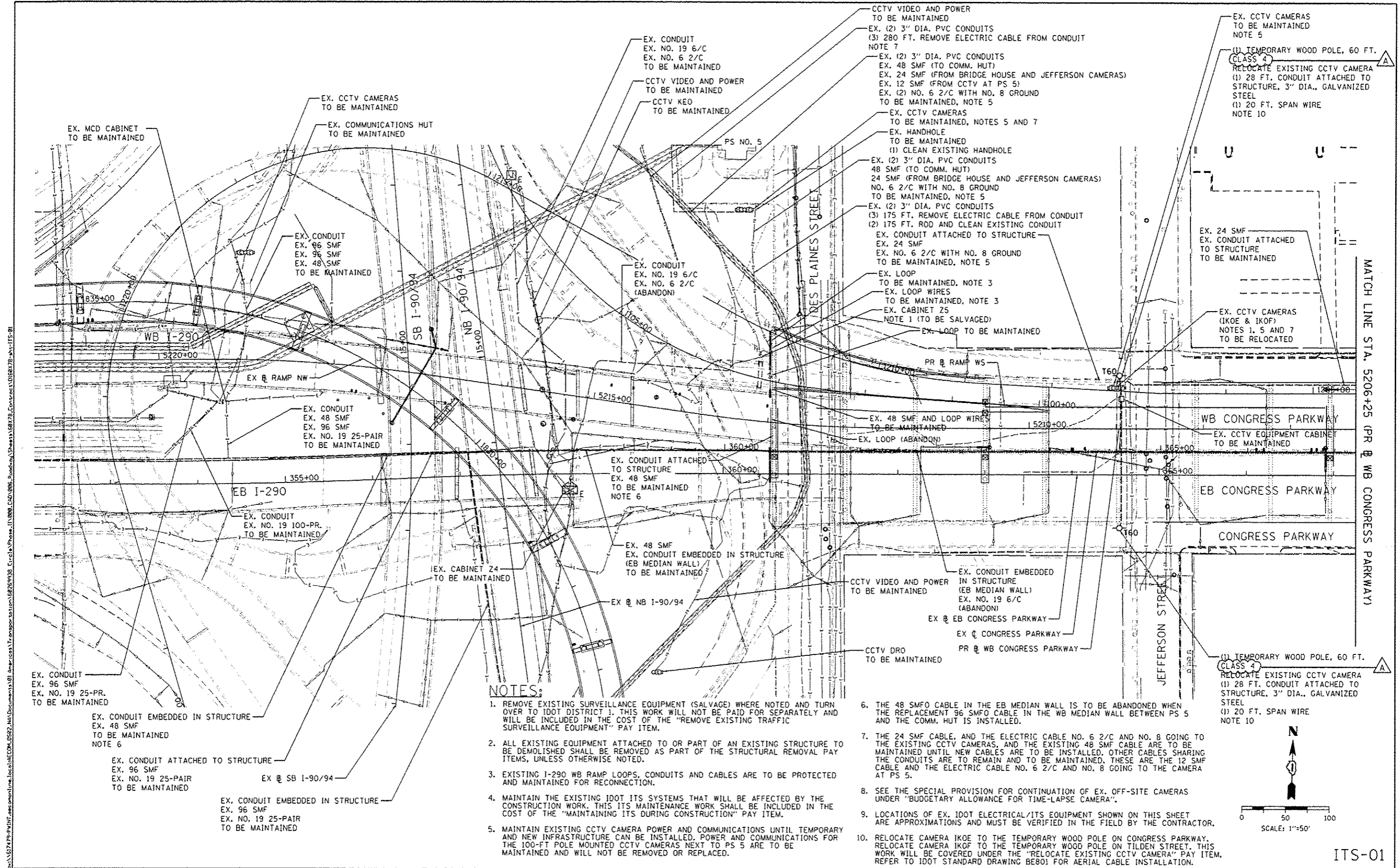
DESIGNED - AFC
 DRAWN - AFC
 CHECKED - DBM
 DATE - 3/18/2016
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 14 OF 21 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	106	19
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



NOTES:

1. REMOVE EXISTING SURVEILLANCE EQUIPMENT (SALVAGE) WHERE NOTED AND TURN OVER TO IDOT DISTRICT 1. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE COST OF THE "REMOVE EXISTING TRAFFIC SURVEILLANCE EQUIPMENT" PAY ITEM.
2. ALL EXISTING EQUIPMENT ATTACHED TO OR PART OF AN EXISTING STRUCTURE TO BE DEMOLISHED SHALL BE REMOVED AS PART OF THE STRUCTURAL REMOVAL PAY ITEMS, UNLESS OTHERWISE NOTED.
3. EXISTING I-290 WB RAMP LOOPS, CONDUITS AND CABLES ARE TO BE PROTECTED AND MAINTAINED FOR RECONNECTION.
4. MAINTAIN THE EXISTING IDOT ITS SYSTEMS THAT WILL BE AFFECTED BY THE CONSTRUCTION WORK. THIS ITS MAINTENANCE WORK SHALL BE INCLUDED IN THE COST OF THE "MAINTAINING ITS DURING CONSTRUCTION" PAY ITEM.
5. MAINTAIN EXISTING CCTV CAMERA POWER AND COMMUNICATIONS UNTIL TEMPORARY AND NEW INFRASTRUCTURE CAN BE INSTALLED. POWER AND COMMUNICATIONS FOR THE 100-FT POLE MOUNTED CCTV CAMERAS NEXT TO PS 5 ARE TO BE MAINTAINED AND WILL NOT BE REMOVED OR REPLACED.

6. THE 48 SMFO CABLE IN THE EB MEDIAN WALL IS TO BE ABANDONED WHEN THE REPLACEMENT 96 SMFO CABLE IN THE WB MEDIAN WALL BETWEEN PS 5 AND THE COMM. HUT IS INSTALLED.
7. THE 24 SMF CABLE, AND THE ELECTRIC CABLE NO. 6 2/C AND NO. 8 GOING TO THE EXISTING CCTV CAMERAS, AND THE EXISTING 48 SMF CABLE ARE TO BE MAINTAINED UNTIL NEW CABLES ARE TO BE INSTALLED. OTHER CABLES SHARING THE CONDUITS ARE TO REMAIN AND TO BE MAINTAINED. THESE ARE THE 12 SMF CABLE AND THE ELECTRIC CABLE NO. 6 2/C AND NO. 8 GOING TO THE CAMERA AT PS 5.
8. SEE THE SPECIAL PROVISION FOR CONTINUATION OF EX. OFF-SITE CAMERAS UNDER "BUDGETARY ALLOWANCE FOR TIME-LAPSE CAMERA".
9. LOCATIONS OF EX. IDOT ELECTRICAL/ITS EQUIPMENT SHOWN ON THIS SHEET ARE APPROXIMATIONS AND MUST BE VERIFIED IN THE FIELD BY THE CONTRACTOR.
10. RELOCATE CAMERA IKOE TO THE TEMPORARY WOOD POLE ON CONGRESS PARKWAY. RELOCATE CAMERA IKOF TO THE TEMPORARY WOOD POLE ON TILDEN STREET. THIS WORK WILL BE COVERED UNDER THE "RELOCATE EXISTING CCTV CAMERA" PAY ITEM. REFER TO IDOT STANDARD DRAWING BE801 FOR AERIAL CABLE INSTALLATION.

EX. CONDUIT
EX. 96 SMF
EX. NO. 19 25-PAIR
TO BE MAINTAINED

EX. CONDUIT EMBEDDED IN STRUCTURE
EX. 48 SMF
TO BE MAINTAINED
NOTE 6

EX. CONDUIT ATTACHED TO STRUCTURE
EX. 96 SMF
EX. NO. 19 25-PAIR
TO BE MAINTAINED

EX. CONDUIT EMBEDDED IN STRUCTURE
EX. 96 SMF
EX. NO. 19 25-PAIR
TO BE MAINTAINED

EX. CONDUIT
EX. 96 SMF
EX. 96 SMF
EX. 48 SMF
TO BE MAINTAINED

EX. CONDUIT
EX. 48 SMF
EX. 96 SMF
EX. NO. 19 25-PAIR
TO BE MAINTAINED

EX. CONDUIT
EX. NO. 19 100-PR.
TO BE MAINTAINED

EX. CABINET 24
TO BE MAINTAINED

EX. CONDUIT
EX. NO. 19 6/C
EX. NO. 6 2/C
(ABANDON)

EX. CONDUIT ATTACHED TO STRUCTURE
EX. 48 SMF
TO BE MAINTAINED
NOTE 6

EX. 48 SMF
EX. CONDUIT EMBEDDED IN STRUCTURE
(EB MEDIAN WALL)
TO BE MAINTAINED

EX. NB I-90/94

EX. CONDUIT
EX. NO. 19 6/C
EX. NO. 6 2/C
TO BE MAINTAINED

CCTV VIDEO AND POWER
TO BE MAINTAINED
CCTV KEO
TO BE MAINTAINED

CCTV VIDEO AND POWER
TO BE MAINTAINED
EX. (2) 3" DIA. PVC CONDUITS
(3) 280 FT. REMOVE ELECTRIC CABLE FROM CONDUIT
NOTE 7

EX. (2) 3" DIA. PVC CONDUITS
EX. 48 SMF (TO COMM. HUT)
EX. 24 SMF (FROM BRIDGE HOUSE AND JEFFERSON CAMERAS)
EX. 12 SMF (FROM CCTV AT PS 5)
EX. (2) NO. 6 2/C WITH NO. 8 GROUND
TO BE MAINTAINED, NOTE 5

EX. CCTV CAMERAS
TO BE MAINTAINED, NOTES 5 AND 7
EX. HANDHOLE
TO BE MAINTAINED
(1) CLEAN EXISTING HANDHOLE

EX. (2) 3" DIA. PVC CONDUITS
48 SMF (TO COMM. HUT)
24 SMF (FROM BRIDGE HOUSE AND JEFFERSON CAMERAS)
NO. 6 2/C WITH NO. 8 GROUND
TO BE MAINTAINED, NOTE 5

EX. (2) 3" DIA. PVC CONDUITS
(3) 175 FT. REMOVE ELECTRIC CABLE FROM CONDUIT
(2) 175 FT. ROD AND CLEAN EXISTING CONDUIT
EX. CONDUIT ATTACHED TO STRUCTURE
EX. 24 SMF
EX. NO. 6 2/C WITH NO. 8 GROUND
TO BE MAINTAINED, NOTE 5

EX. LOOP
TO BE MAINTAINED, NOTE 3
EX. LOOP WIRES
TO BE MAINTAINED, NOTE 3
EX. CABINET 25
NOTE 1 (TO BE SALVAGED)

EX. LOOP TO BE MAINTAINED

EX. 48 SMF AND LOOP WIRES
TO BE MAINTAINED
EX. LOOP (ABANDON)

CCTV VIDEO AND POWER
TO BE MAINTAINED
EX. CONDUIT EMBEDDED IN STRUCTURE
(EB MEDIAN WALL)
EX. NO. 19 6/C
(ABANDON)

EX. EB CONGRESS PARKWAY
EX. CONGRESS PARKWAY
PR. WB CONGRESS PARKWAY

CCTV DRO
TO BE MAINTAINED

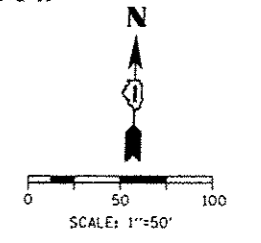
EX. CCTV CAMERAS
TO BE MAINTAINED
NOTE 5

(1) TEMPORARY WOOD POLE, 60 FT.
CLASS 4
RELOCATE EXISTING CCTV CAMERA
(1) 28 FT. CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL
(1) 20 FT. SPAN WIRE
NOTE 10

EX. 24 SMF
EX. CONDUIT ATTACHED TO STRUCTURE
TO BE MAINTAINED

EX. CCTV CAMERAS
(IKOE & IKOF)
NOTES 1, 5 AND 7
TO BE RELOCATED

(1) TEMPORARY WOOD POLE, 60 FT.
CLASS 4
RELOCATE EXISTING CCTV CAMERA
(1) 28 FT. CONDUIT ATTACHED TO STRUCTURE, 3" DIA., GALVANIZED STEEL
(1) 20 FT. SPAN WIRE
NOTE 10



ITS-01



DIGEST: 78-INT-ITS-01	DESIGNED - GWS	REVISED - 05/23/2016
USER NAME: mgarc	DRAWN - CAM	REVISED -
PLOT SCALE: 1/80,000 @ 1/4"	CHECKED - JDC	REVISED -
PLOT DATE: 5/23/2016	DATE: 3/18/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING/MAINTAINING ITS PLAN	
WB I-290 OVER I-90/94 AND WB CONGRESS PARKWAY	
SCALE: 1"=50'	SHEET 1 OF 20 SHEETS
STA. 5206+25	TO STA. 5221+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	706	166
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

Bench Mark: Square cut at center of door entrance to 707 W. Harrison St; South side of Harrison St. ±90' west of west line of Des Plaines. Elevation 597.47. A + cut in the SE anchor bolt at the 11th street light N. of Roosevelt on the W. side of Halsted. Elev. = 594.06.

Existing Structure: S.N. 016-0461 was originally built in 1952 as F.A. Route Number 131, Section 062-2424.4. The existing structure consists of 16 main spans of multi-unit steel continuous multi-beam superstructures with additional entrance and exit ramp spans along Spans 12 and 13. The existing structure has an overall length of approximately 1301'-4" and an average out-to-out width of approximately 162'-0" for the main spans and 25'-0" for the ramp spans. The substructure units are founded on drilled shafts and consist of 17 multi column piers. The existing bridge is to be rehabilitated through a combination of partial removal and replacement, repairs, and partial infill of ramp spans.

Traffic Control: Two lanes of mainline traffic will be maintained utilizing stage construction. Canal Street Entrance Ramp will be closed during stage construction. Ramp traffic will be maintained utilizing stage construction.

Salvage: None

- ① Line perpendicular to CL I-290
- ② Varies 1.4% to 3.6%

Notes:

1. For Scope of Work and Scupper Table, see sheet S2-2.
2. For CL Pier & CL I-290 Intersect Stationing, see sheet S2-5.
3. For Curve Data and Geometric Layout, see sheet S2-5.
4. For Profile Grades, see sheet S2-6 and S2-7.
5. For Protective Shield limits, see sheet S2-20.
6. Skew is taken from a line normal to CL I-290.
7. Existing utilities attached to structure will be maintained/relocated during construction.

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications
 7th Edition (Spans 1-3)
 2002 AASHTO Standard Specifications
 for Highway Bridges (Spans 4-16)

DESIGN STRESSES
FIELD UNITS (New Construction)

f'_c = 3,500 psi
 f_y = 60,000 psi (Reinforcement)
 f_y = 50,000 psi (M270 Grade 50)

FIELD UNITS (Exist. Construction)

f'_c = 3,500 psi
 f_y = 60,000 psi (Deck Reinforcement)
 f_y = 40,000 psi (Pier Reinforcement)
 f_y = 33,000 psi (ASTM A7)

LOADING HL-93

(SPANS 1-3 & PIER C1 THRU C4)

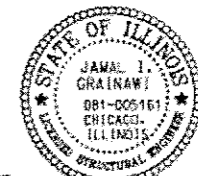
LOADING HS20-44 &

ALT. MILITARY (SPANS 4-16)

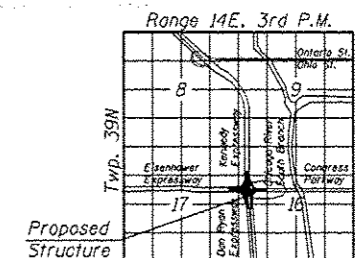
Allow 25#/sq. ft. for future wearing surface

SEISMIC DATA

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



Signed **Jamal Grainawi**
 JAMAL I. GRAINAWI, S.E. II Lic. No. 081-005161
 Expires 11-30-2018.
 Date **3/18/2016**

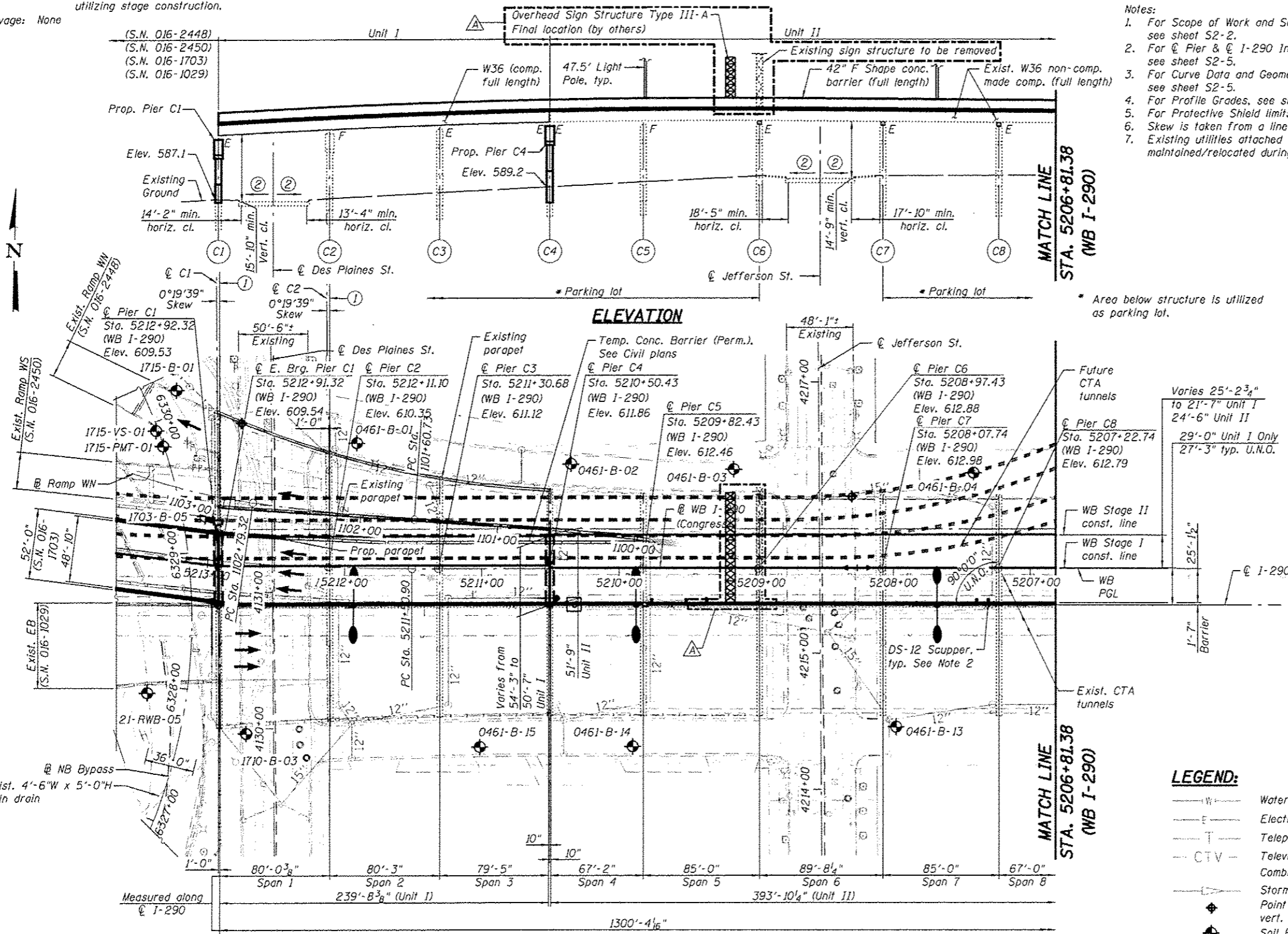


LOCATION SKETCH

GENERAL PLAN & ELEVATION - I
I-290 (CONGRESS) VIADUCT OVER
DES PLAINES ST. TO CANAL ST.
F.A.I. ROUTE 90/94/290
SECTION 2014-001 R&B (EB),
2014-004 R&B (WB)
COOK COUNTY
STATION 5165+03.09
STRUCTURE NO. 016-0461

LEGEND:

- W — Water Line
- E — Electric
- T — Telephone line
- CTV — Television line
- CS — Combined Sewer
- SS — Storm Sewer
- ◆ Point of min. vert. cl.
- ◆ Soil Boring Location



PLAN

0160461-60X78-5001-GPE.dgn

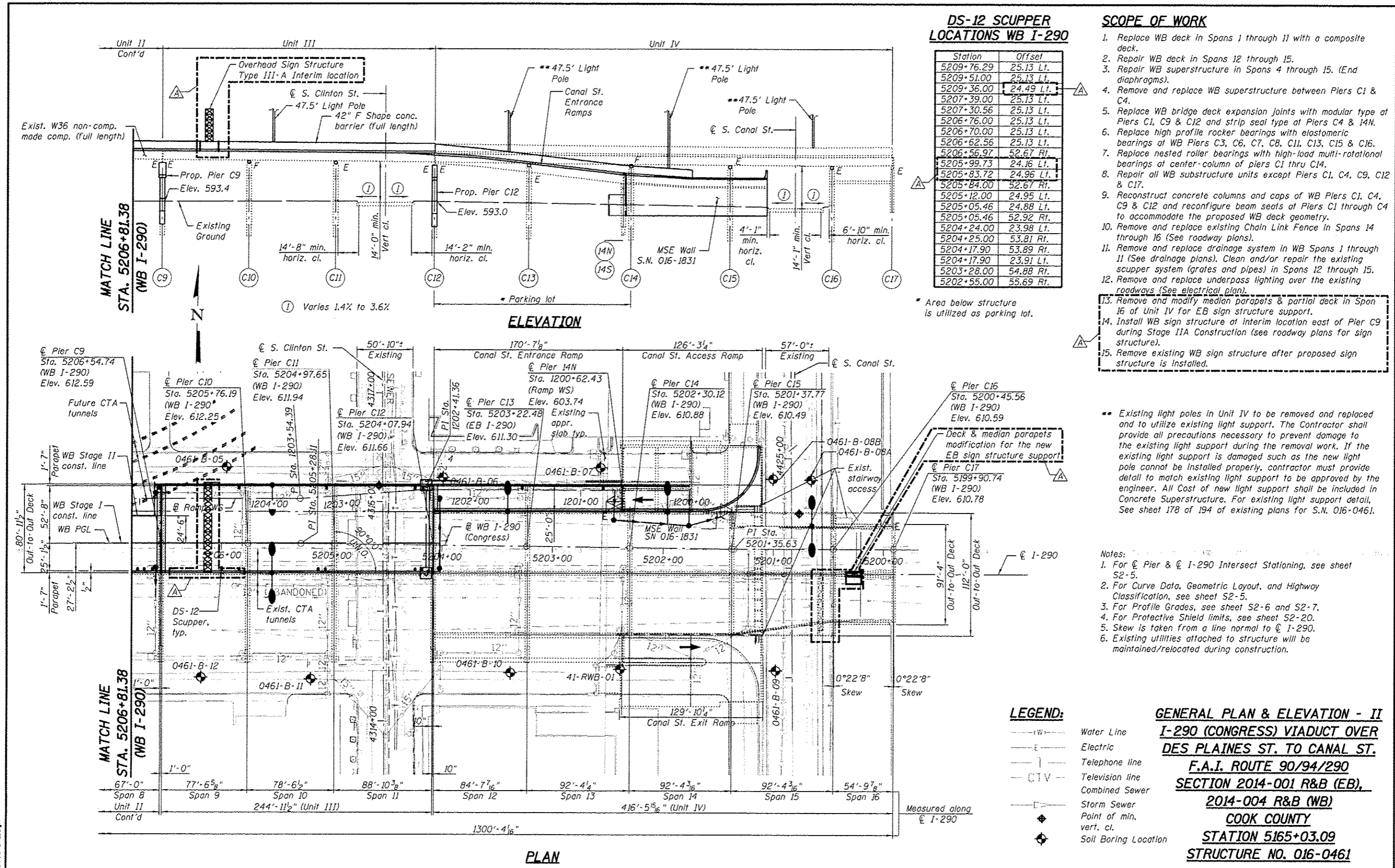
PARSONS BRINCKERHOFF

USER NAME = dotfid	DESIGNED - P.J.L.	REVISED - 4/27/2016 JIG
PLOT SCALE = N.T.S.	CHECKED - A.H.	REVISED -
PLOT DATE = 4/25/2016	DRAWN - D.C.P.	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET NO. S2-01 OF S2-145 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 278	SHEET NO. 278
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



DS-12 SCUPPER LOCATIONS WB I-290

Station	Offset
5209+76.29	25.13 Lt.
5209+51.00	25.13 Lt.
5209+36.00	24.49 Lt.
5207+39.00	25.13 Lt.
5207+30.56	25.13 Lt.
5206+76.00	25.13 Lt.
5206+70.00	25.13 Lt.
5206+62.56	25.13 Lt.
5206+56.97	52.67 Rt.
5205+99.73	24.16 Lt.
5205+83.72	24.96 Lt.
5205+84.00	52.67 Rt.
5205+12.00	24.96 Lt.
5205+05.46	24.88 Lt.
5205+05.46	52.92 Rt.
5204+24.00	23.98 Lt.
5204+25.00	53.81 Rt.
5204+17.90	53.89 Rt.
5204+17.90	23.91 Lt.
5203+28.00	54.88 Rt.
5202+55.00	55.69 Rt.

SCOPE OF WORK

1. Replace WB deck in Spans 1 through 11 with a composite deck.
2. Repair WB deck in Spans 12 through 15.
3. Repair WB superstructure in Spans 4 through 15. (End diaphragms).
4. Remove and replace WB superstructure between Piers C1 & C4.
5. Replace WB bridge deck expansion joints with modular type at Piers C1, C9 & C12 and strip seal type at Piers C4 & 14N.
6. Replace high profile rocker bearings with elastomeric bearings at WB Piers C3, C6, C7, C8, C11, C13, C15 & C16.
7. Replace nested roller bearings with high-load multi-rotational bearings at center-column of piers C1 through C14.
8. Repair all WB substructure units except Piers C1, C4, C9, C12 & C17.
9. Reconstruct concrete columns and caps of WB Piers C1, C4, C9 & C12 and reconfigure beam seats at Piers C1 through C4 to accommodate the proposed WB deck geometry.
10. Remove and replace existing Chain Link Fence in Spans 14 through 16 (See roadway plans).
11. Remove and replace drainage system in WB Spans 1 through 11 (See drainage plans). Clean and/or repair the existing scupper system (grates and pipes) in Spans 12 through 15.
12. Remove and replace underpass lighting over the existing roadways (See electrical plan).
13. Remove and modify median parapets & partial deck in Span 16 of Unit IV for EB sign structure support.
14. Install WB sign structure at Interim location east of Pier C9 during Stage IIA Construction (see roadway plans for sign structure).
15. Remove existing WB sign structure after proposed sign structure is installed.

** Existing light poles in Unit IV to be removed and replaced and to utilize existing light support. The Contractor shall provide all precautions necessary to prevent damage to the existing light support during the removal work. If the existing light support is damaged such as the new light pole cannot be installed properly, contractor must provide detail to match existing light support to be approved by the engineer. All Cost of new light support shall be included in Concrete Superstructure. For existing light support detail, See sheet 178 of 194 of existing plans for S.N. 016-0461.

- Notes:
1. For Pier C9 & I-290 Intersect Stationing, see sheet S2-5.
 2. For Curve Data, Geometric Layout, and Highway Classification, see sheet S2-5.
 3. For Profile Grades, see sheet S2-6 and S2-7.
 4. For Protective Shield limits, see sheet S2-20.
 5. Skew is taken from a line normal to I-290.
 6. Existing utilities attached to structure will be maintained/relocated during construction.

LEGEND:

—W—	Water Line
—E—	Electric
—T—	Telephone line
—CTV—	Television line
—CS—	Combined Sewer
—SS—	Storm Sewer
◆	Point of min. vert. cl.
◆	Soil Boring Location

GENERAL PLAN & ELEVATION - II
I-290 (CONGRESS) VIADUCT OVER
DES PLAINES ST. TO CANAL ST.
F.A.I. ROUTE 90/94/290
SECTION 2014-001 R&B (EB),
2014-004 R&B (WB)
COOK COUNTY
STATION 5165+03.09
STRUCTURE NO. 016-0461

GENERAL NOTES:

- Fasteners shall be ASTM A325 Type 1, hot dipped galvanized bolts. Bolts 7/8" ϕ , holes 15/16" ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 390,250 lbs. (Gr. 50)
= 2,890 lbs. (Gr. 36)
- All structural steel except for steel in Temporary Support System shall be hot-dip galvanized (see special provisions).
- The Contractor shall test the existing welds by non-destructive methods within 2 ft. of the end of the existing cover plates for cracks after removal of the existing concrete deck. Dye penetrant (PT), magnetic particle (MT), or other approved testing method shall be performed by qualified personnel approved by the Engineer. If cracks are found, repair them to the Bureau of Bridges and Structures for disposition. The cost of testing is included in Removal of Existing Concrete Deck. The cost of crack repair, if necessary, will be paid for according to Article 109.04 of the Standard Specifications.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the Piers C1, C4, C9 & C12.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Cleaning and field painting of structural steel shall be done under a separate painting contract, unless noted otherwise.
- Existing structural steel shall only be cleaned and painted as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- Slipforming of the parapet is not allowed.
- Contractor shall coordinate deck construction work between Piers 10 & 11 in Unit III with MEGA Bus. The Contractor shall install deck inserts underside of the deck for the future lighting work. Deck inserts will be provided by MEGA Bus and Contractor shall ask the Engineer in advance for these inserts. This work shall not be paid separately but shall be included with Concrete Superstructure.

17. Temporary Soil Retention System shall be as per Std. Spec. Section 522.07 and as modified herein. Temporary Soil Retention System shall be installed without the use of impact-type pile drivers. The proposed equipment and procedures used for the installation of Temporary Soil Retention System shall be submitted to the Engineer for approval prior to their use. If vibratory equipment utilized, the Contractor shall also submit documentation regarding the operating noise levels and operating vibration characteristics of the equipment proposed. The approval of the equipment and procedure by the Engineer does not guarantee the performance in the field of the equipment will be acceptable. If in the judgment of the Engineer, the noise and/or vibration effects exceed those required by the local residents, then the Contractor must halt production and find a remedy suitable to the Engineer. Threshold values for vibration monitoring are included in the special provision "CONSTRUCTION VIBRATION MONITORING". The costs incurred finding suitable equipment and procedures shall be included in the cost of Temporary Soil Retention System. No additional costs shall be paid for this effort.

INDEX OF SHEETS

S2-1	General Plan & Elevation I	S2-72	Modular Expansion Joint - Pier C9
S2-2	General Plan & Elevation II	S2-73	Modular Expansion Joint - Pier C12
S2-3	General Data I	S2-74	Modular Expansion Joint Details
S2-4	General Data II	S2-75	Drainage System Details - Pier C1 & C4
S2-5	Geometric Layout & Curve Data	S2-76	Drainage System Details - Pier C5, C8 & C9
S2-6	Profile Grade	S2-77	Drainage System Details - Pier C10 & C11
S2-7	Offset Sketch	S2-78	Drainage System Details - Pier C12
S2-8	Substructure Layout I	S2-79	Drainage System Details - Pier C13 & C14
S2-9	Substructure Layout II	S2-80	Drainage System Details - Pier 14N
S2-10	Stage Construction Details I - Unit I	S2-81	Cleaning Bridge Scuppers and Downspouts
S2-11	Stage Construction Details II - Unit I	S2-82	Drainage Scupper, DS-12
S2-12	Stage Construction Details I - Unit II	S2-83	Framing Plan - Unit I
S2-13	Stage Construction Details II - Unit II	S2-84	Superstructure Steel Details I - Unit I
S2-14	Stage Construction Details I - Unit III	S2-85	Superstructure Steel Details II - Unit I
S2-15	Stage Construction Details II - Unit III	S2-86	Superstructure Steel Details III - Unit I
S2-16	Stage Construction Details - Unit IV & Entrance Ramp	S2-87	Framing Plan - Unit II
S2-17	Temporary Support Details I	S2-88	Superstructure Steel Details I - Unit II
S2-18	Temporary Support Details II	S2-89	Superstructure Steel Details II - Unit II
S2-19	Temporary Support Details III	S2-90	Framing Plan - Unit III
S2-20	Existing Structure Removal Details I	S2-91	Superstructure Steel Details - Unit III
S2-21	Existing Structure Removal Details II	S2-92	Framing Plan - Entrance Ramp
S2-22	Existing Structure Removal Details III	S2-93	Superstructure Steel Details - Unit II, Unit III & Entrance Ramp
S2-23	Existing Structure Removal Details IV	S2-94	Bearing Details I - Unit I
S2-24	Temporary Concrete Barrier for Stage Construction	S2-95	Bearing Details II - Unit I
S2-25	Top of Slab Elevation Plan - Unit I	S2-96	Bearing Details I - Unit II
S2-26	Top of Slab Elevations I - Unit I	S2-97	Bearing Details II - Unit II
S2-27	Top of Slab Elevations II - Unit I	S2-98	Bearing Details III - Unit II
S2-28	Top of Slab Elevations III - Unit I	S2-99	Bearing Details I - Unit III
S2-29	Top of Slab Elevations IV - Unit I	S2-100	Bearing Details II - Unit III
S2-30	Top of Slab Elevation Plan - Unit II	S2-101	Bearing Details I - Unit IV
S2-31	Top of Slab Elevations I - Unit II	S2-102	Bearing Details II - Unit IV
S2-32	Top of Slab Elevations II - Unit II	S2-103	Bearing Details - Entrance Ramp
S2-33	Top of Slab Elevations III - Unit II	S2-104	Column Bearing Details I
S2-34	Top of Slab Elevations IV - Unit II	S2-105	Column Bearing Details II
S2-35	Top of Slab Elevations V - Unit II	S2-106	Pier C1
S2-36	Top of Slab Elevation Plan - Unit III	S2-107	Pier C1 Details
S2-37	Top of Slab Elevations I - Unit III	S2-108	Pier C2 & C3 Details
S2-38	Top of Slab Elevations II - Unit III	S2-109	Pier C4
S2-39	Top of Slab Elevations III - Unit III	S2-110	Pier C4 Details
S2-40	Top of Slab Elevations IV - Unit III	S2-111	Piers C6 to C8 Details
S2-41	Top of Slab Elevations V - Unit III	S2-112	Pier C9
S2-42	Top of Slab Elevations VI - Unit III	S2-113	Pier C9 Details
S2-43	Top of Slab Elevations VII - Unit III	S2-114	Pier C11 Details
S2-44	Top of Slab Elevation Plan - Entrance Ramp	S2-115	Pier C12
S2-45	Top of Slab Elevations - Entrance Ramp	S2-116	Pier C12 Details
S2-46	Deck Plan - Unit I	S2-117	Pier C13 Details
S2-47	Deck Details I - Unit I	S2-118	Pier C15 & C16 Details
S2-48	Deck Details II - Unit I	S2-119	Pier C2 Repair
S2-49	Deck Details III - Unit I	S2-120	Pier C3 Repair
S2-50	Deck Details IV - Unit I	S2-121	Pier C5 Repair
S2-51	Deck Details V - Unit I	S2-122	Pier C6 Repair
S2-52	Deck Plan I - Unit II	S2-123	Pier C7 Repair
S2-53	Deck Plan II - Unit II	S2-124	Pier C8 Repair
S2-54	Deck Details I - Unit II	S2-125	Pier C10 Repair
S2-55	Deck Details II - Unit II	S2-126	Pier C11 Repair
S2-56	Deck Details III - Unit II	S2-127	Pier C13 Repair
S2-57	Deck Details IV - Unit II	S2-128	Pier C14 Repair
S2-57A	Deck Details V - Unit II	S2-129	Pier 14N Repair
S2-58	Deck Plan - Unit III	S2-130	Pier C15 Repair
S2-59	Deck Details I - Unit III	S2-131	Pier C16 Repair
S2-60	Deck Details II - Unit III	S2-132	Door Repair - North Enclosure Wall
S2-61	Deck Details III - Unit III	S2-133	Deck Repair I - Unit IV
S2-62	Deck Details IV - Unit III	S2-134	Deck Repair II - Unit IV
S2-63	Deck Details V - Unit III	S2-135	Bar Splicer Assembly and Mechanical Splicer Details
S2-63A	Deck Details VI - Unit III	S2-136	Boring Logs I
S2-64	Deck Plan - Entrance Ramp	S2-137	Boring Logs II
S2-65	Deck Details I - Entrance Ramp	S2-138	Boring Logs III
S2-66	Deck Details II - Entrance Ramp	S2-139	Boring Logs IV
S2-67	Deck Details III - Entrance Ramp	S2-140	Boring Logs V
S2-67A	Deck Plan - Unit IV	S2-141	Boring Logs VI
S2-67B	Deck Details - Unit IV	S2-142	Boring Logs VII
S2-68	Approach Span Plan	S2-143	Boring Logs VIII
S2-69	Approach Span Details	S2-144	Boring Logs IX
S2-70	Preformed Joint Strip Seal - Pier C4 & 14N	S2-145	Boring Logs X
S2-71	Modular Expansion Joint - Pier C1		

0160461-60X78-5003-INK.dgn

PARSONS BRINCKERHOFF	USER NAME - patald	DESIGNED - P.J.L.	REVISED - 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA I STRUCTURE NO. 016-0461	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE - N.T.S.	CHECKED - AH	REVISED -			80/94/290	2014-004 R&B (WB)	COOK	706	280
	PLOT DATE - 5/16/2016	DRAWN - DCP	REVISED -			CONTRACT NO. 60X78				
	CHECKED - JIG	REVISED -	SHEET NO. S2-03 OF S2-145 SHEETS							
						ILLINOIS FED. AID PROJECT				

STRUCTURAL ASSESSMENT OF EXISTING STRUCTURE NOTES:

- In order to construct proposed superstructure & substructure elements, Contractor may elect to support temporary construction material and/or equipment, on the existing structures in the vicinity of the proposed structure. The Contractor shall submit Structural Assessment Report(s) for approval prior to beginning the work. See Special Provision.
- An Existing Structure Information Package (ESIP) will be provided by the Department to the Contractor upon request.
- The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridge (Complex), for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provision.

Current Ratings on File for Existing Structures are as follows:

S.N. 016-0461 (I-290 (Congress) Viaduct over Des Plaines St. to Canal St.)
 Inventory: HS 21.3
 Operating: HS 34.3
 Live Load Restrictions: None

S.N. 016-1029 (EB I-290 over I-90/94)
 Inventory: HS 17.2
 Operating: HS 28.7
 Live Load Restrictions: None

S.N. 016-1030 (WB I-290 over I-90/94)
 Inventory: HS 14.7
 Operating: HS 24.5
 Live Load Restrictions: None

S.N. 016-244B (Ramp WB I-290 to NB I-90/94 over Des Plaines Ave.)
 Inventory: HS 32-1 (HS 20+MOD)
 Operating: HS 53-5 (HS 20+MOD)
 Live Load Restrictions: None

S.N. 016-2450 (Ramp WB I-290 to SB I-90/94 over I-90/94)
 Inventory: HS 14.2
 Operating: HS 23.6
 Live Load Restrictions: None

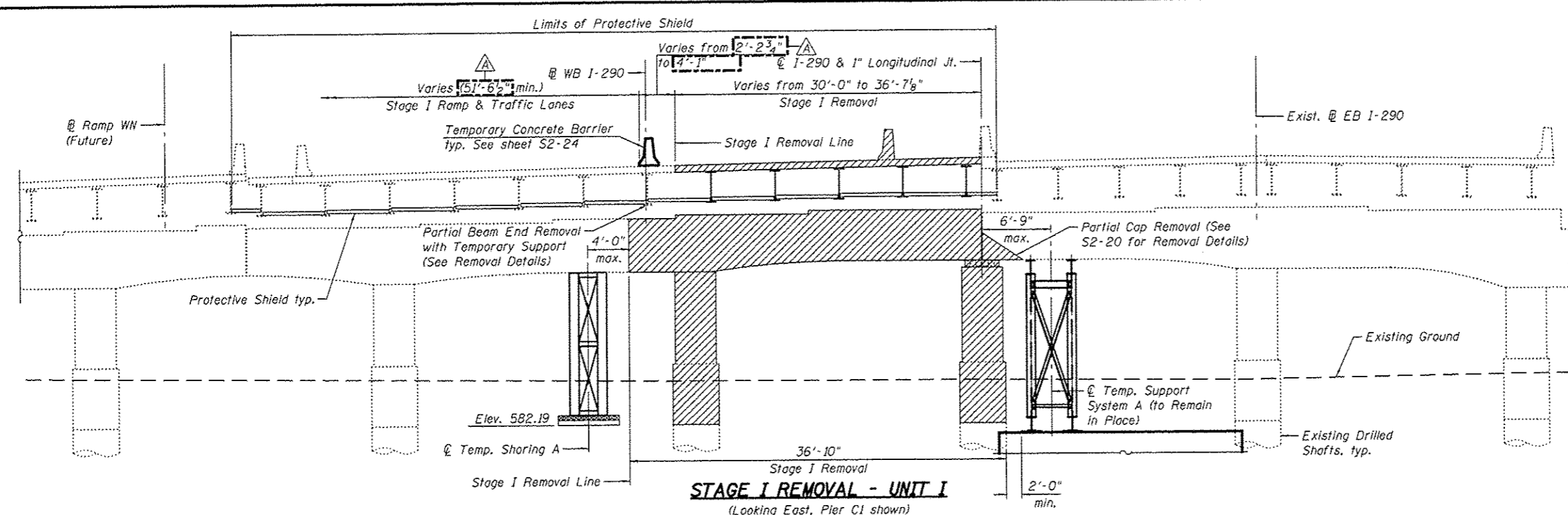
- Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
- The contractor is advised that the existing structures may contain members in deteriorated conditions with reduced load carrying capacities. It is the Contractor's responsibility to account for the condition of existing structures when developing construction procedures for using them to support construction loads and for the complete or partial removal or replacement of the structure.
- The contractor shall verify that the structural demands of the applied loads due to the Contractor's means and methods will not exceed the available capacity of the structure at the time loads are applied. Most likely, the Contractor will be required to provide additional shoring under the existing bridges (or other methods of retrofitting) to support construction loads. Design, installation and subsequent removal of such shoring system will be the responsibility of the Contractor and will not be paid separately.
- The Contractor shall use caution and not damage any component of the existing structure. Upon completion of work and prior to allowing traffic back on the existing structure the contractor must restore existing structure in its original condition.

TOTAL BILL OF MATERIAL

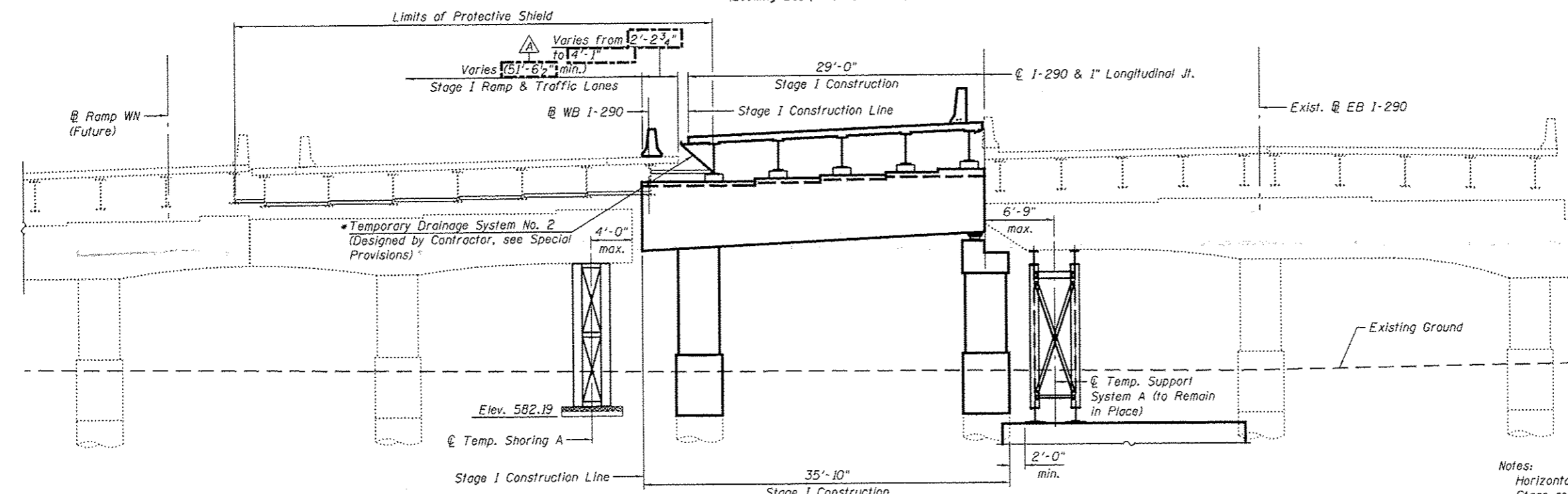
ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures No. 2	Each	1		1
Concrete Removal	Cu. Yd.	21.3	173.5	194.8
Removal of Existing Concrete Deck	Each	3		3
Protective Shield	Sq. Yd.	7,745		7,745
Structure Excavation	Cu. Yd.		201	201
Concrete Structures	Cu. Yd.		397.8	397.8
Concrete Superstructure	Cu. Yd.	1,878.3		1,878.3
Bridge Deck Grooving	Sq. Yd.	5,923		5,923
Protective Coat	Sq. Yd.	6,890		6,890
Furnishing and Erecting Structural Steel	L. Sum	0.4		0.4
Stud Shear Connectors	Each	29,112		29,112
Reinforcement Bars, Epoxy Coated	Pound	411,230	99,490	510,720
Bar Splicers	Each	4,743	228	4,971
Preformed Joint Strip Seal	Foot	75		75
Elastomeric Bearing Assembly, Type I	Each	89		89
Elastomeric Bearing Assembly, Type II	Each	66		66
Elastomeric Bearing Assembly, Type III	Each	14		14
Anchor Bolts, 3/4"	Each	114		114
Anchor Bolts, 1"	Each	224	16	240
Anchor Bolts, 1 1/4"	Each	18		18
Anchor Bolts, 1 1/2"	Each		40	40
Temporary Soil Retention System	Sq. Ft.		3,174	3,174
Concrete Sealer	Sq. Ft.		7,596	7,596
Cleaning Bridge Scuppers and Downspouts	Each	12		12
Access Door	Each		1	1
High Load Multi-Rotational Bearings, Guided Expansion, 250k	Each		8	8
High Load Multi-Rotational Bearings, Guided Expansion, 450k	Each		20	20
Jack and Remove Existing Bearings	Each	142	16	158
Structural Steel Repair	Pound	18,774		18,774
Bridge Deck Latex Concrete Overlay, 2 3/4 inches	Sq. Yd.	613		613
Handrail Removal	Foot	62.5		62.5
Bridge Deck Scarification 2 3/4"	Sq. Yd.	613		613
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		1,574	1,574
Structural Repair of Concrete (Depth Greater than 5 Inches)	Sq. Ft.	16	20	36
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	2		2
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	19		19
Drainage Scuppers, DS-12	Each	21		21
Drainage System	L. Sum	0.7		0.7
Temporary Drainage System No. 2	L. Sum	1		1
Silicone Joint Sealer, 1/2"	Foot	75		75
Silicone Joint Sealer, 1"	Foot	21		21
Modular Expansion Joint 6"	Foot	209		209
Temporary Shoring	Each	6	3	9
Temporary Support System (to Remain in Place)	Each		6	6

0160461-60X78-5004-DET.dgn

PARSONS BRINCKERHOFF	USER NAME * dotoid	DESIGNED - P.J.L	REVISED - 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA II STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE * N.T.S.	CHECKED - AH	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	281
	PLOT DATE * 5/16/2016	DRAWN - DCP	REVISED -			CONTRACT NO. 60X78		ILLINOIS FED. AID PROJECT		
		CHECKED - JIG	REVISED -			SHEET NO. S2-04 OF S2-145 SHEETS				



STAGE I REMOVAL - UNIT I
(Looking East, Pier C1 shown)



STAGE I CONSTRUCTION - UNIT I
(Looking East, Pier C1 shown)

* Minimum cross-sectional area of Temporary Drainage System = 0.79 sq. ft.

STAGE I REMOVAL - UNIT I

1. Install temporary concrete barrier as shown to locate construction work area on the south side of the existing structure.
2. Install Temporary Shoring and Temporary Support System (to Remain in Place) for pier caps at Pier C1 and for existing westbound Beam No. 20. For temporary support reaction summary and details, See S2-17 for Removal Details.
3. Install Temporary Soil Retention System at Pier C1.
4. Remove existing utilities and drainage system attached to substructure.
5. Remove the existing structure as indicated.

STAGE I CONSTRUCTION - UNIT I

1. Repair existing Piers C2 and C3. Construct Piers C1 and C4.
2. Erect Beams 14 through 18.
3. Construct reinforced concrete deck.
4. Perform bridge deck grooving.
5. Apply protective coat for the bridge deck and parapet.
6. Provide a temporary drainage system. Connection of formwork to beam must be designed to withstand additional loading.

LEGEND

Removal of Existing Structures No. 2

Notes:
Horizontal dimensions are measured perpendicular to @ I-290.
Stage removal and stage construction lines are different for the superstructure and substructure.
Contractor shall provide Temporary Shoring for the existing pier cap and existing Beam No. 20. The Temporary Shoring shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure. See Special Provisions.
For quantity of Temporary Concrete Barrier, see roadway plans.
For Temporary Shoring and Temporary Support System (to remain in place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Drainage System No. 2	L. Sum	1

0160461-60X78-5010-STG.dgn

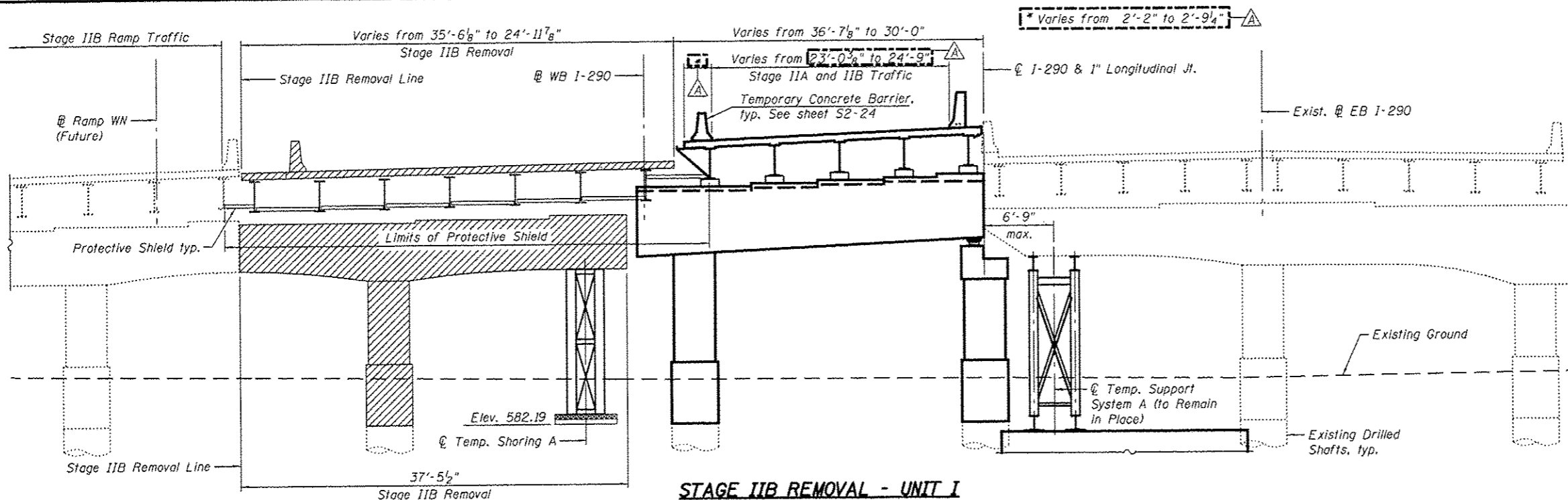
PARSONS BRINCKERHOFF

USER NAME = poteld	DESIGNED - IJL	REVISED - A 4/27/2016 JIG
PLLOT SCALE = N.T.S.	CHECKED - P.JL	REVISED -
PLLOT DATE = 5/16/2016	DRAWN - IJL	REVISED -
	CHECKED - JIG	REVISED -

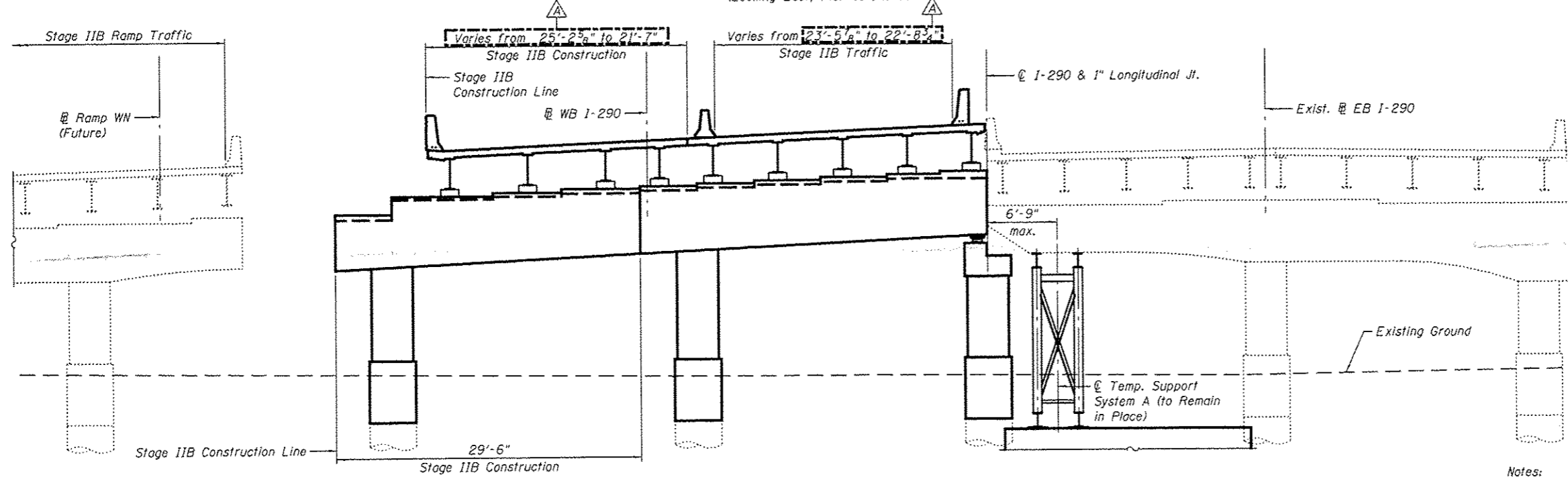
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS I - UNIT I
STRUCTURE NO. 016-0461
SHEET NO. S2-10 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	287
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



STAGE IIB REMOVAL - UNIT I
(Looking East, Pier C1 shown)



STAGE IIB CONSTRUCTION - UNIT I
(Looking East, Pier C1 shown)

STAGE IIA TRAFFIC - UNIT I

1. Install temporary concrete barrier on the new deck to locate IIA Traffic and construction work area on the Stage I constructed portion of the bridge.

STAGE IIB REMOVAL - UNIT I

1. Begin removal operations on Unit I upon completion of work on Unit II and III under Stage IIA traffic.
2. Remove existing utilities and drainage system attached to substructure.
3. Remove the existing structure as indicated.
4. Remove Temporary Shoring A.

STAGE IIB CONSTRUCTION - UNIT I

1. Repair and rehabilitate existing Piers C2 and C3. Construct Piers C1 and C4.
2. Erect Beams 10 through 13.
3. Construct reinforced concrete deck.
4. Perform bridge deck grooving.
5. Apply protective coat for the bridge deck and parapet.
6. Place temporary pavement markings on the top of deck for staged traffic.

LEGEND

Removal of Existing Structures No. 2

Notes:
Horizontal dimensions are measured perpendicular to @ I-290.
Stage removal and stage construction lines are different for the superstructure and substructure.
Contractor shall provide Temporary Shoring for the existing pier cap. The Temporary Shoring shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure. See Special Provisions.
For quantity of Temporary Concrete Barrier, see roadway plans.
For Temporary Shoring and Temporary Support System (to remain in place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

0160461-60X7B-S011-STG.dgn

**PARSONS
BRINCKERHOFF**

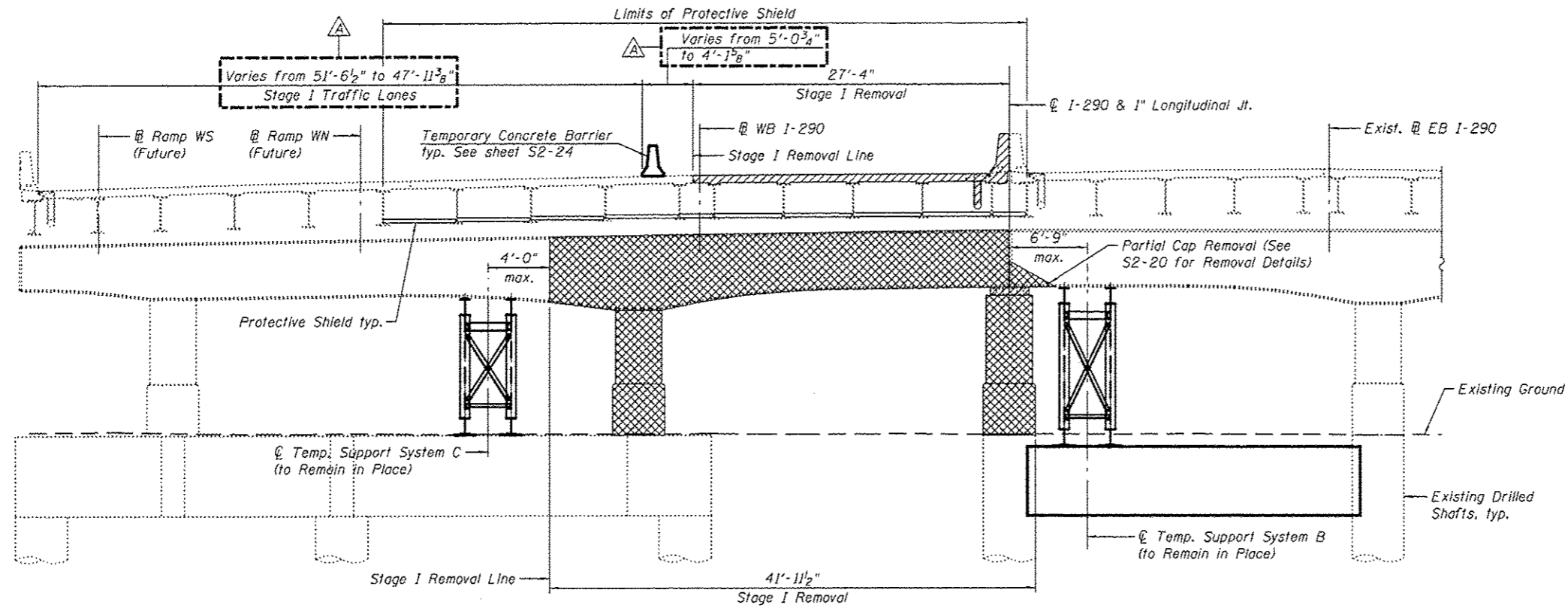
USER NAME * potehd	DESIGNED - IJL	REVISED - A 4/27/2016 JIG
PLOT SCALE * N.T.S.	CHECKED - P.JL	REVISED -
PLOT DATE * 5/16/2016	DRAWN - IJL	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

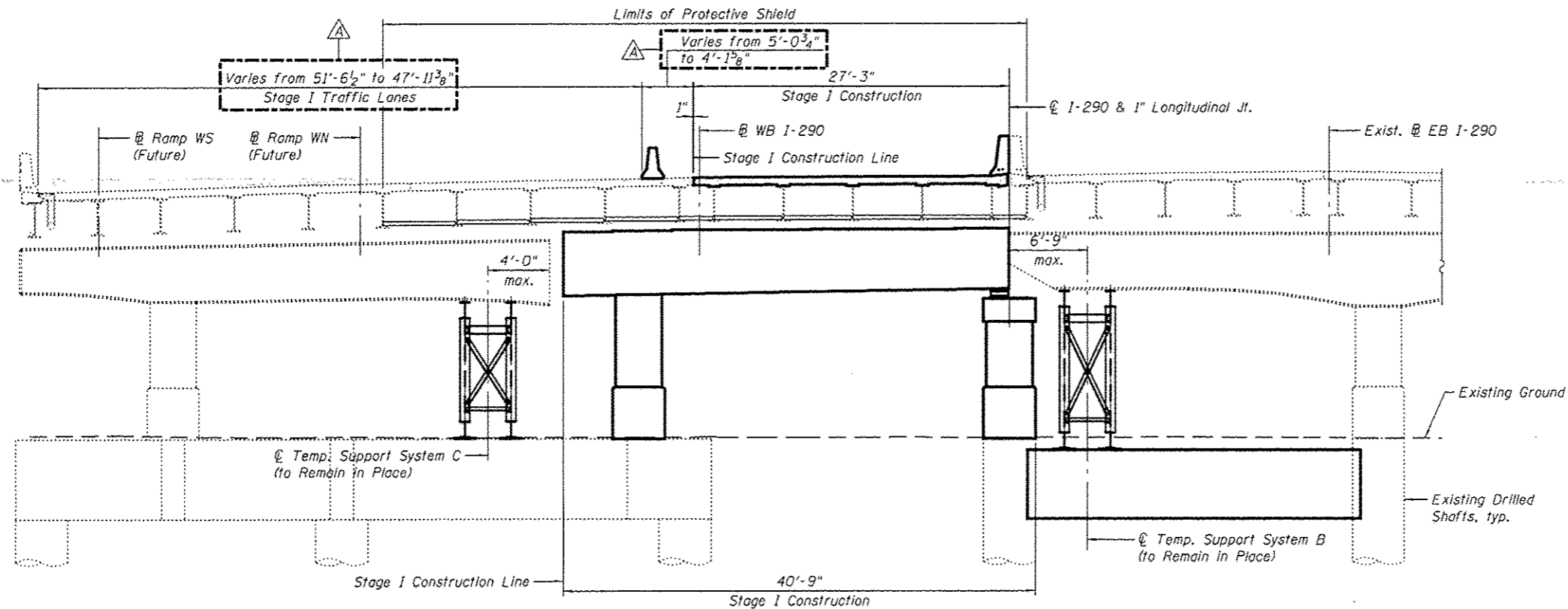
STAGE CONSTRUCTION DETAILS II - UNIT I
STRUCTURE NO. 016-0461

SHEET NO. S2-11 OF 52-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	288
CONTRACT NO. 60X7B			ILLINOIS FED. AID PROJECT	



STAGE I REMOVAL - UNIT II
(Looking East, Pier C4 shown)



STAGE I CONSTRUCTION - UNIT II
(Looking East, Pier C4 shown)

STAGE I REMOVAL - UNIT II

1. Install temporary concrete barrier as shown to locate construction work area on the south side of the existing structure.
2. Install Temporary Support System B and C (to Remain in Place). Install temporary shoring and cribbing for existing westbound Beams 8 thru 14.
3. Remove existing utilities and drainage system attached to substructure.
4. Remove the existing structure as indicated.

STAGE I CONSTRUCTION - UNIT II

1. Repair existing cap, columns and reconstruct beam seats of Piers C5 thru C8. Construct Piers C4 and C9.
2. Remove and Replace existing bearings.
3. Install Shear Stud Connectors to existing beams and set in new bearings.
4. Construct reinforced concrete deck.
5. Perform bridge deck grooving.
6. Apply protective coat for the bridge deck and parapet.

LEGEND

- Removal of Existing Concrete Deck
- Removal of Existing Structures No. 2

Notes:
Horizontal dimensions are measured perpendicular to @ I-290.
Stage removal and stage construction lines are different for the superstructure and substructure.
Contractor shall provide temporary shoring and cribbing for the existing westbound Beams 8 thru 14. Cost included with Jack and Remove Existing Bearings. See Special Provisions.
For quantity of Temporary Concrete Barrier, see roadway plans.
For Temporary Shoring and Temporary Support System (to Remain in Place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

**PARSONS
BRINCKERHOFF**

USER NAME = poteld	DESIGNED = IJL	REVISED = 4/27/2016 JIG
CHECKED = PJL	REVISIONS =	
PLOT SCALE = N.T.S.	DRAWN = IJL	
PLOT DATE = 5/16/2016	CHECKED = JIG	

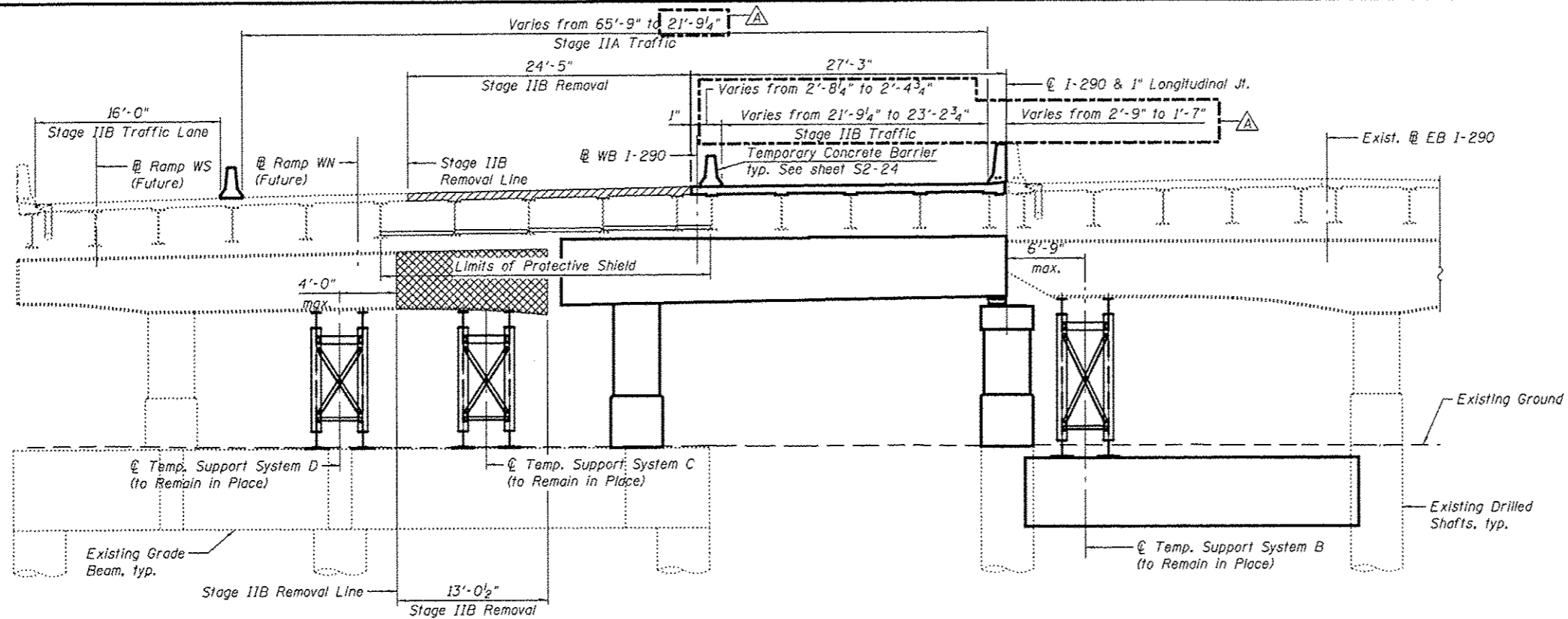
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS I - UNIT II
STRUCTURE NO. 016-0461

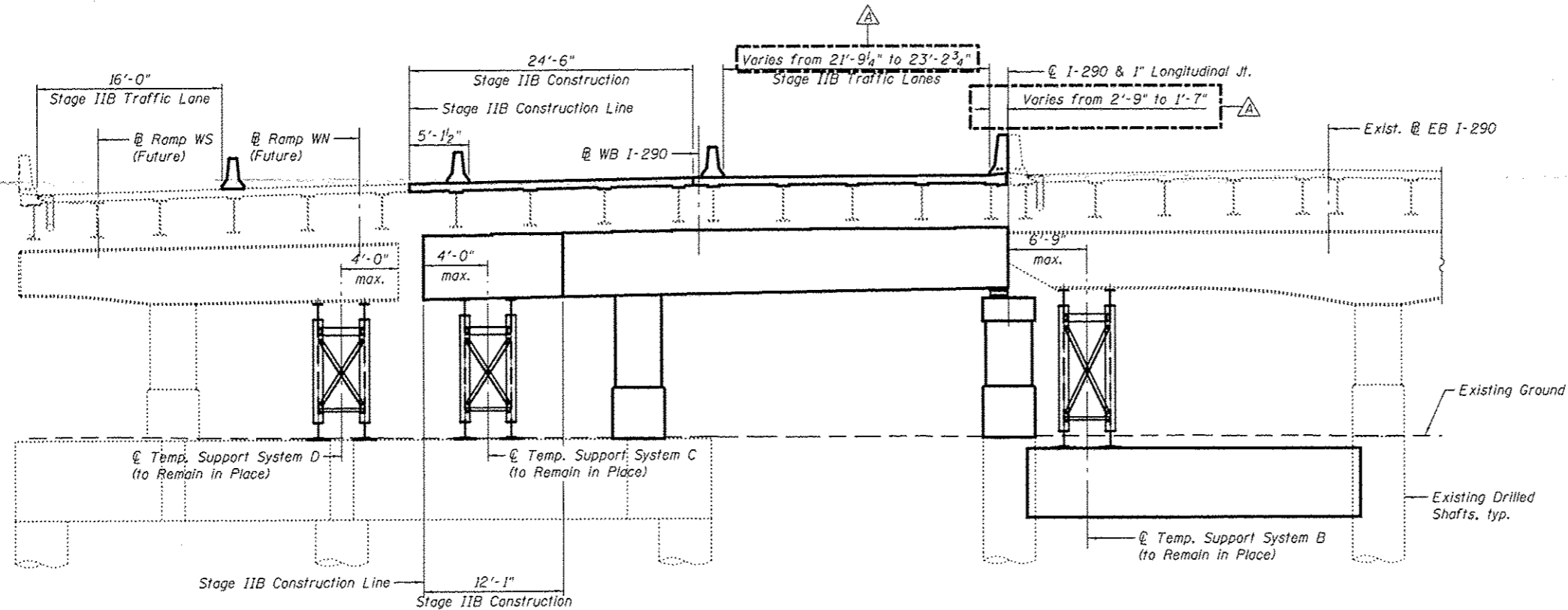
SHEET NO. S2-12 OF S2-145 SHEETS

F.A.J. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	289
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

0160461-60X78-S012-ST6.dgn



STAGE IIB REMOVAL - UNIT II
(Looking East, Pier C4 shown)



STAGE IIB CONSTRUCTION - UNIT II
(Looking East, Pier C4 shown)

STAGE IIA TRAFFIC - UNIT II

1. Install temporary concrete barrier on the new and existing deck to locate Stage IIA Traffic and construction work area on the Stage I constructed portion of the bridge. Refer to Roadway Plans for additional details on Stage IIA Traffic.
2. Construction work to be completed during Stage IIA Traffic includes the reconstruction of Pier C9, bearing replacement, deck expansion joint and installation of shear studs within limits of deck expansion joint.

STAGE IIB REMOVAL - UNIT II

1. Relocate temporary concrete barrier on the new and existing deck to locate Stage IIB Traffic and construction work area on the Stage I constructed portion of the bridge.
2. Install Temporary Support System D (to Remain in Place) under existing pier cap. Install temporary shoring and cribbing for existing westbound Beams 6 and 7.
3. Remove existing utilities and drainage system attached to substructure.
4. Remove the existing structure as indicated.

STAGE IIB CONSTRUCTION - UNIT II

1. Repair existing cap, columns and reconstruct beam seats at Piers C5 thru C8. Construct Piers C4 and C9.
2. Remove and Replace existing bearings.
3. Install Shear Stud Connectors to existing beams and set in new bearings.
4. Construct reinforced concrete deck.
5. Perform bridge deck grooving.
6. Apply protective coat for the bridge deck and parapet.

LEGEND

- Removal of Existing Concrete Deck
- Removal of Existing Structures No. 2

Notes:
Horizontal dimensions are measured perpendicular to C I-290 .
Stage removal and stage construction lines are different for the superstructure and substructure.
Contractor shall provide temporary shoring and cribbing for the existing westbound Beams 6 and 7. Cost included with Jack and Remove Existing Bearings. See Special Provisions.
For quantity of Temporary Concrete Barrier, see roadway plans.
For Temporary Shoring and Temporary Support System (to Remain in Place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

0160461-60X78-S013-STG.dgn

PARSONS BRINCKERHOFF

USER NAME * pafold
PLOT SCALE * N.T.S.
PLOT DATE * 5/16/2016

DESIGNED - IJL
CHECKED - P.JL
DRAWN - IJL
CHECKED - JIG

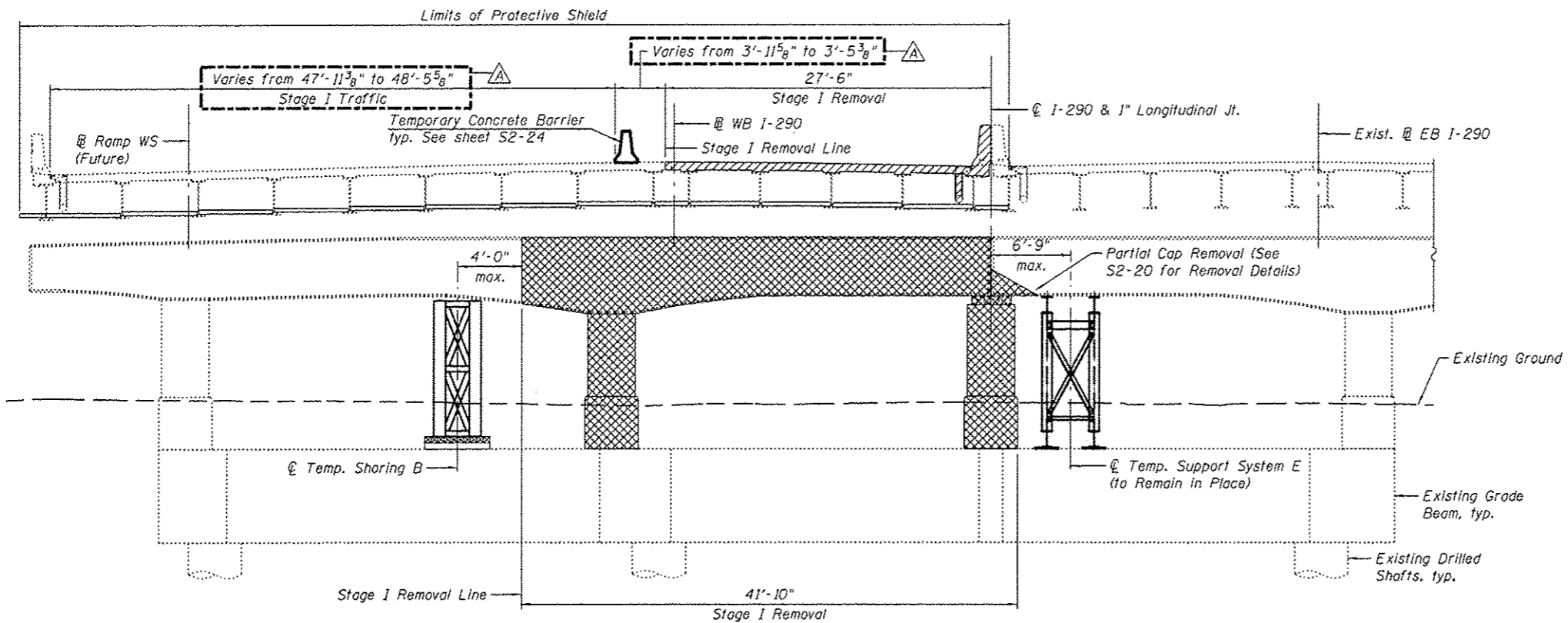
REVISED - Δ 4/27/2016 JIG
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

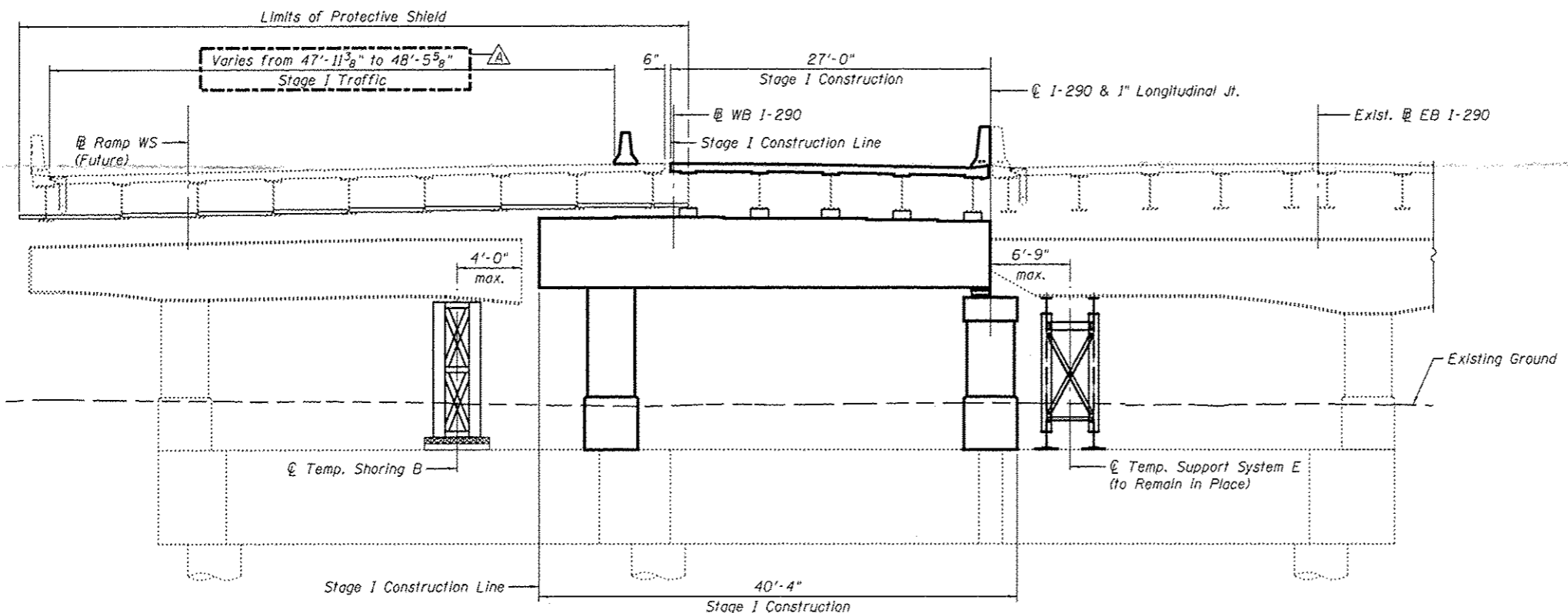
STAGE CONSTRUCTION DETAILS II - UNIT II
STRUCTURE NO. 016-0461

SHEET NO. S2-13 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94/290	2014-004 R&B (WB)	COOK	706	290
				CONTRACT NO. 60X78
ILLINOIS FED. AID PROJECT				



STAGE I REMOVAL - UNIT III
(Looking East, Pier C9 shown, Pier C12 similar)



STAGE I CONSTRUCTION - UNIT III
(Looking East, Pier C9 shown, Pier C12 similar)

STAGE I REMOVAL - UNIT III

1. Install temporary concrete barrier as shown to locate construction work area on the south side of the existing structure.
2. Install temporary shoring and cribbing for existing westbound Beams B thru 14 and Temporary Supports E System (to Remain in Place) and Temporary Shoring B for existing Pier Cap.
3. Remove existing utilities and drainage system attached to substructure.
4. Remove the existing structure as indicated.

STAGE I CONSTRUCTION - UNIT III

1. Repair existing cap, columns and reconstruct beam seats at Piers C10 and C11. Construct Piers C9 and C12.
2. Remove and Replace existing bearings.
3. Install Shear Stud Connectors to existing beams and set in new bearings.
4. Construct reinforced concrete deck.
5. Perform bridge deck grooving.
6. Apply protective coat for the bridge deck and parapet.

LEGEND:

- Removal of Existing Concrete Deck
- Concrete Removal

Notes:

Horizontal dimensions are measured perpendicular to @ I-290.
 Stage removal and stage construction lines are different for the superstructure and substructure.
 Contractor shall provide temporary shoring and cribbing for the existing westbound Beams B thru 14. Cost included with Jack and Remove Existing Bearings. See Special Provisions.
 Contractor shall provide Temporary Shoring for the existing pier cap. The Temporary Shoring shall be approved by the Engineer. Such approval will not relieve the Contractor of responsibility for the safety of the structure. See Special Provisions.
 For quantity of Temporary Concrete Barrier, see roadway plans.
 For Temporary Shoring and Temporary Support System (to Remain in Place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

0160461-60X78-S014-STG.dgn

**PARSONS
BRINCKERHOFF**

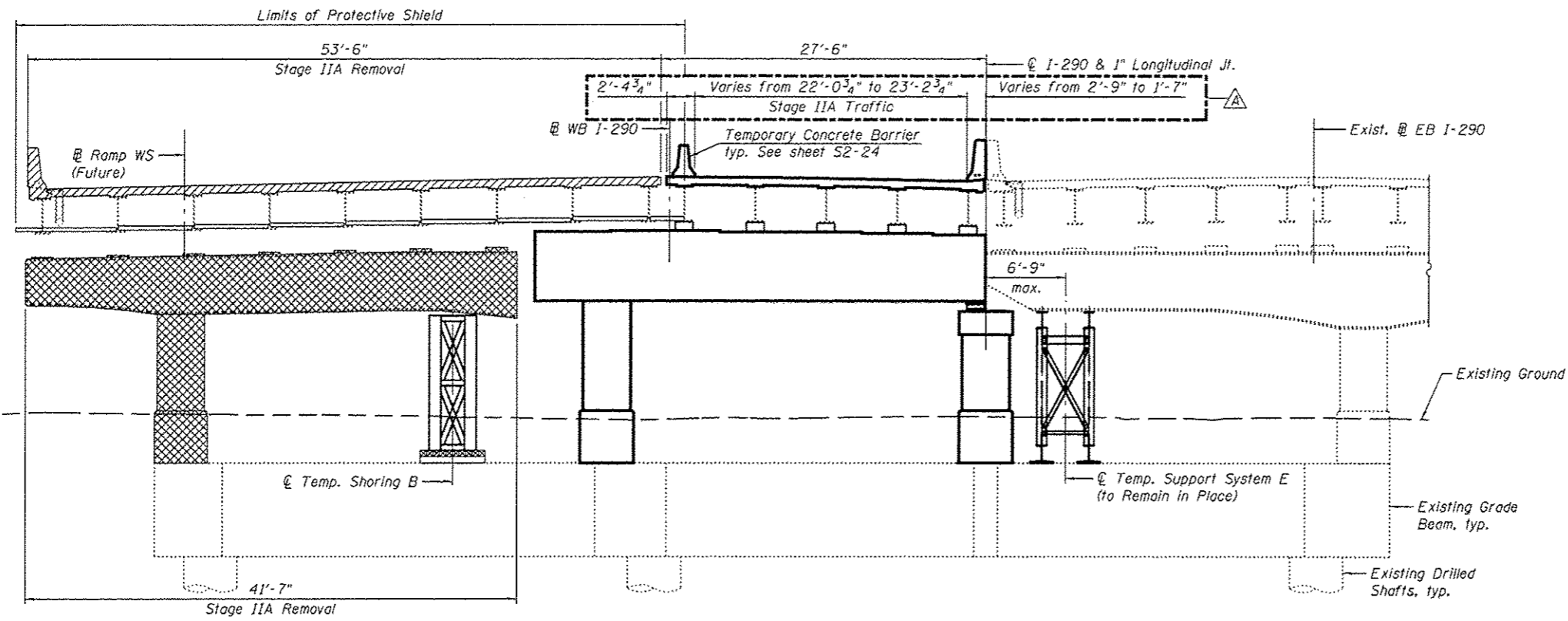
USER NAME * pafeld	DESIGNED - IJL	REVISED - 4/27/2016 JIG
	CHECKED - PJJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - IJL	REVISED -
PLOT DATE = 5/16/2016	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

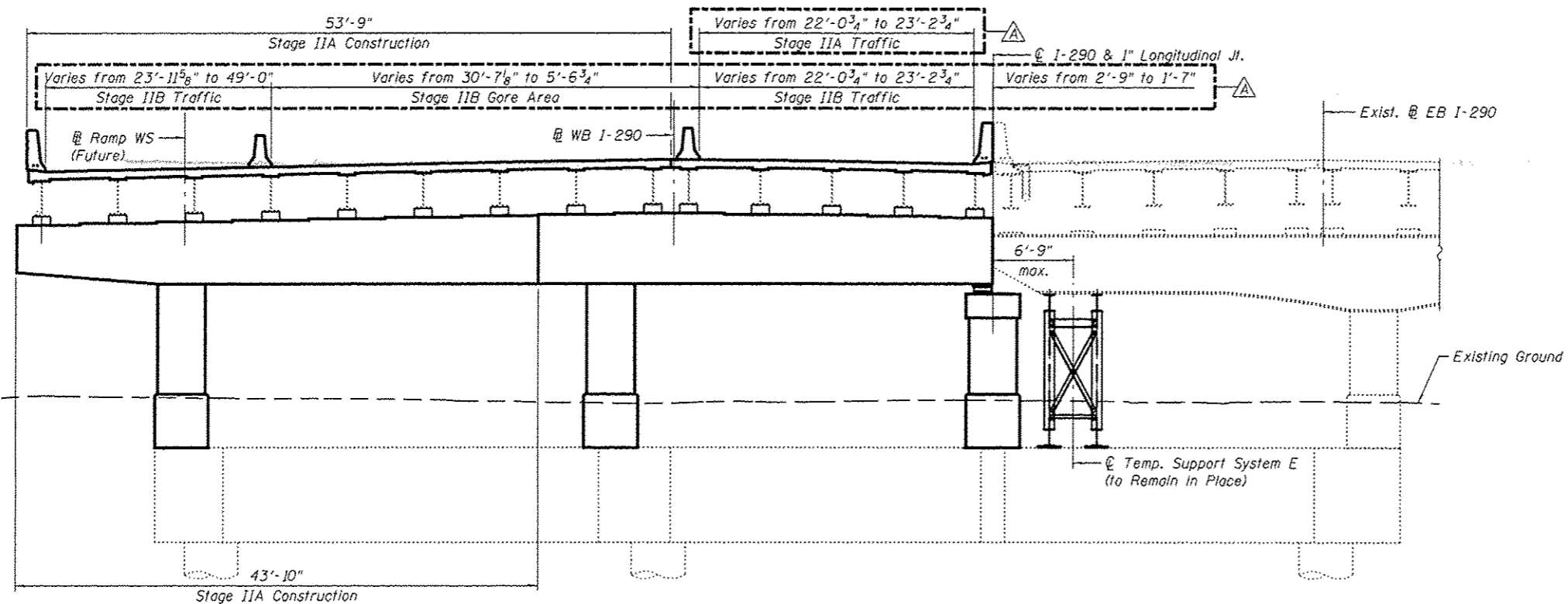
STAGE CONSTRUCTION DETAILS I - UNIT III
STRUCTURE NO. 016-0461

SHEET NO. S2-14 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	291
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



STAGE IIA REMOVAL - UNIT III
(Looking East, Pier C9 shown, Pier C12 similar)



STAGE IIA CONSTRUCTION - UNIT III
(Looking East, Pier C9 shown, Pier C12 similar)

STAGE IIA REMOVAL - UNIT III

1. Install temporary concrete barrier on new deck to locate Stage IIA Traffic and construction work area on the Stage I Constructed portion of the bridge.
2. Install temporary shoring and cribbing for existing westbound Beams 1 thru 7.
3. Remove the existing structure as indicated.

STAGE IIA CONSTRUCTION - UNIT III

1. Repair existing cap, columns and reconstruct beam seats at Piers C10 thru C11. Construct Piers C9 and C12.
2. Remove Temp. Shoring B.
3. Remove and Replace existing bearings.
4. Install Shear Stud Connectors to existing beams and set in new bearings.
5. Construct reinforced concrete deck and expansion joints.
6. Perform bridge deck grooving.
7. Apply protective coal for the bridge deck and parapet.

STAGE IIB TRAFFIC - UNIT III

1. Relocate temporary concrete barrier on the new deck to locate Stage IIB Traffic and construction work area on the constructed portion of the bridge.

LEGEND

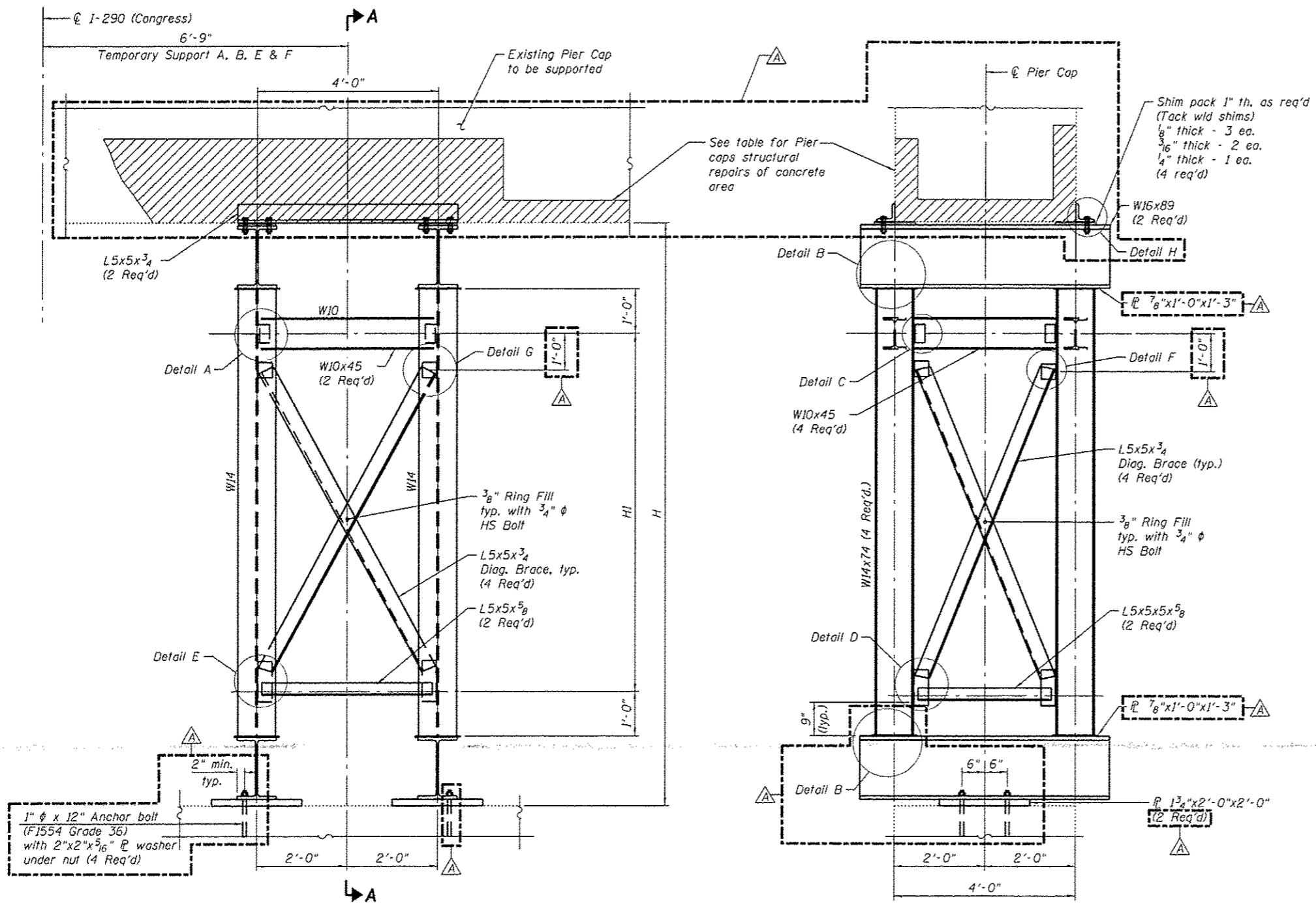
- Removal of Existing Concrete Deck
- Concrete Removal

Notes:

Horizontal dimensions are measured perpendicular to C I-290 . Stage removal and stage construction lines are different for the superstructure and substructure. Contractor shall provide temporary shoring and cribbing for the existing westbound Beams 1 thru 7. Cost included with Jack and Remove Existing Bearings. See Special Provisions. For quantity of Temporary Concrete Barrier, see roadway plans. For Temporary Shoring and Temporary Support System (to Remain in Place) reactions and quantities, see sheets S2-16 and S2-17, respectively.

0160461-60X78-S015-STG.dgn

PARSONS BRINCKERHOFF	USER NAME = poteld	DESIGNED - IJL	REVISED - Δ 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE CONSTRUCTION DETAILS II - UNIT III STRUCTURE NO. 016-0461	F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 292		
	PLOT SCALE = N.T.S.	DRAWN - IJL	REVISED -			CONTRACT NO. 60X78						
	PLOT DATE = 5/16/2016	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT						
						SHEET NO. S2-15 OF S2-145 SHEETS						



TEMPORARY SUPPORT ELEVATION
(Looking East)
(Temp. Support A, B, E & F shown.
Temp. Support C & D similar)

SECTION A-A

PIER CAPS STRUCTURAL REPAIR OF CONCRETE AREA (See Note 7)

Location	WB (Sq. Ft.)	EB (Sq. Ft.)
Pier C1	±8	±89
Pier C4	±37	±382
Pier C9	±20	±150
Pier C12	±12	±225
Total	±77	±846

* Pier cap repairs to be completed prior to placement of the temporary support system to remain in place.
** Portion of EB Pier C4 cap repair area includes repairs for adjacent contract 62B76. Coordinate work with adjacent contract (62B76) for location of temporary support system to remain in place.

HEIGHTS - TEMPORARY SUPPORT (TO REMAIN IN PLACE)

Location	H	H1
Temp. Support A	±16'-2 1/4"	±11'-1 1/4"
Temp. Support B	±12'-9 7/8"	±7'-8 7/8"
Temp. Support C	±11'-11 3/4"	±6'-10 3/4"
Temp. Support D	±12'-0 3/4"	±6'-11 3/4"
Temp. Support E	±13'-0 1/2"	±7'-11 1/2"
Temp. Support F	±11'-10 3/8"	±6'-9 3/8"

- Notes:
- See sheet S2-8 thru S2-15, for locations of temporary supports.
 - See sheet S2-18, for Detail A thru Detail H.
 - All structural steel for temporary supports shall be AASHTO M270 Grade 50. Cost of structural steel included with Temporary Support System (to Remain in Place).
 - Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade and diameter specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
 - Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 - The Contractor may elect to use bolted connections with oversized holes in lieu of shop welding. Prior to ordering of materials any changes to the temporary support system shall be submitted for approval of the Engineer. Details and calculations of such changes shall be prepared and sealed by an Illinois Licensed Structural Engineer.
 - Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

	Structural Repair of Concrete (Depth equal to or less than 5 Inches)
--	--

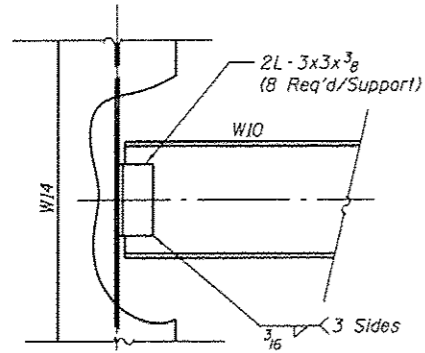
SERVICE REACTION TABLE FOR TEMPORARY SUPPORT SYSTEM (TO REMAIN IN PLACE)

Location	Pier C1	Pier C4				Pier C9	Pier C12
Temp. Support	A	B	C	D	E	F	
Q (k)	280.7	213.9	58.4	265.0	242.2	285.4	
L (k)	100.3	93.6	94.0	170.3	82.7	90.6	
Total (k)	381.0	307.5	152.4	435.3	325.1	376.0	

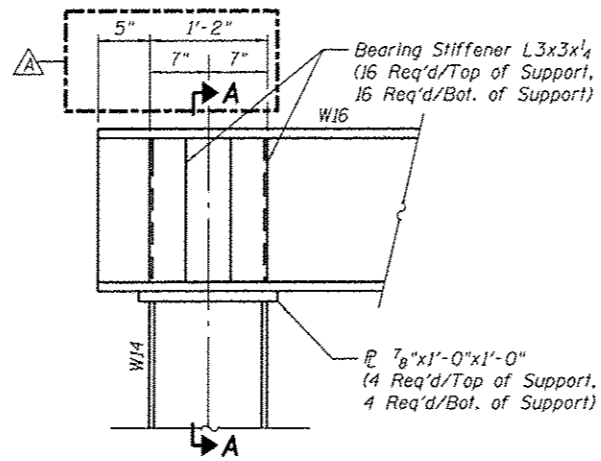
BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	923
Temporary Support System (to Remain in Place)	Each	6

0160461-60X7B-S017-SOR.dgn

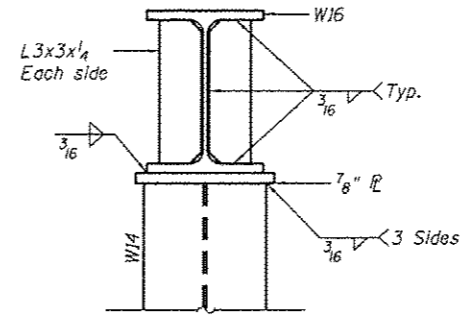


DETAIL A

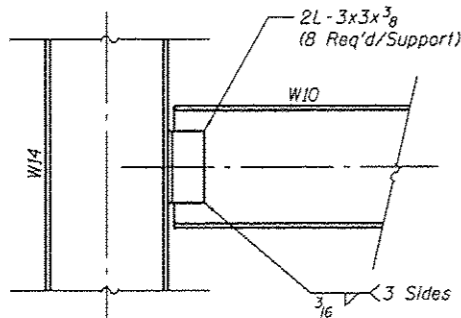


DETAIL B

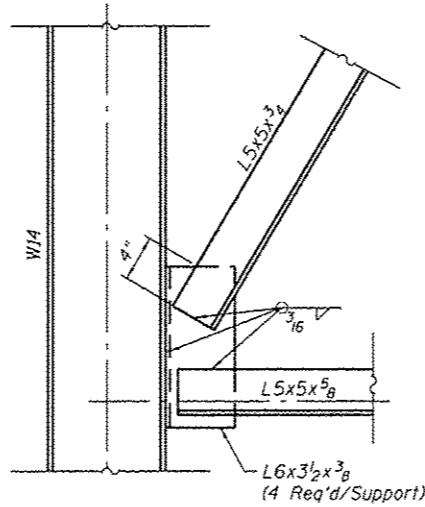
(Beam on top of column shown. Bottom similar)



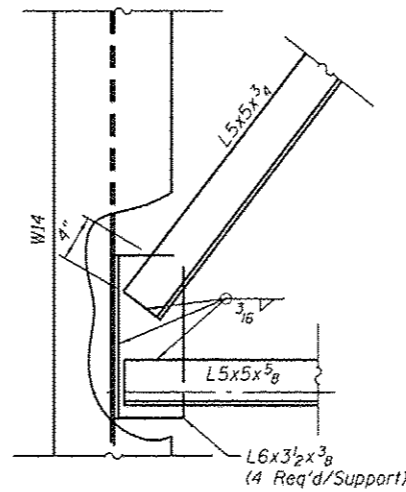
SECTION A-A



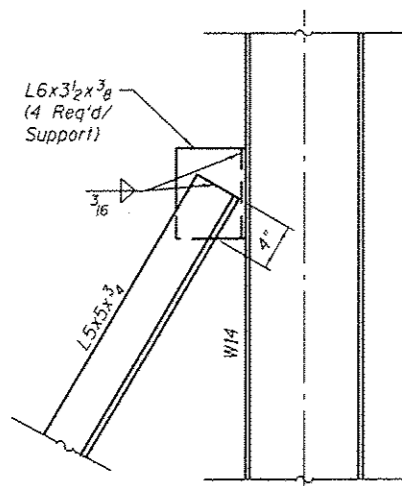
DETAIL C



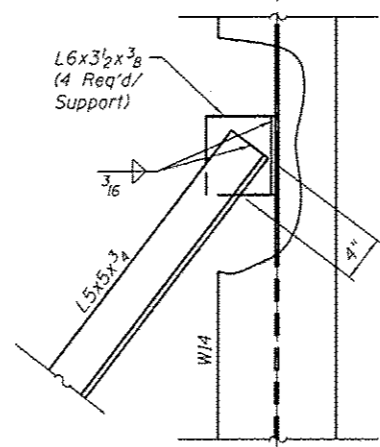
DETAIL D



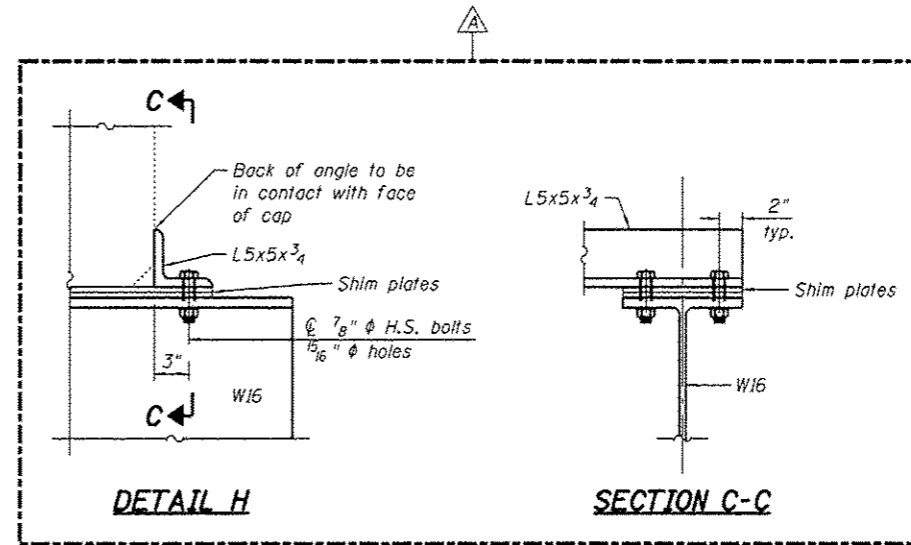
DETAIL E



DETAIL F



DETAIL G



DETAIL H

SECTION C-C

**PARSONS
BRINCKERHOFF**

USER NAME * poteld	DESIGNED - CWL	REVISED - 4/27/2016 JIG
	CHECKED - DWS	REVISED -
PLOT SCALE * N.T.S.	DRAWN - DE	REVISED -
PLOT DATE * 5/16/2016	CHECKED - JIG	REVISED -

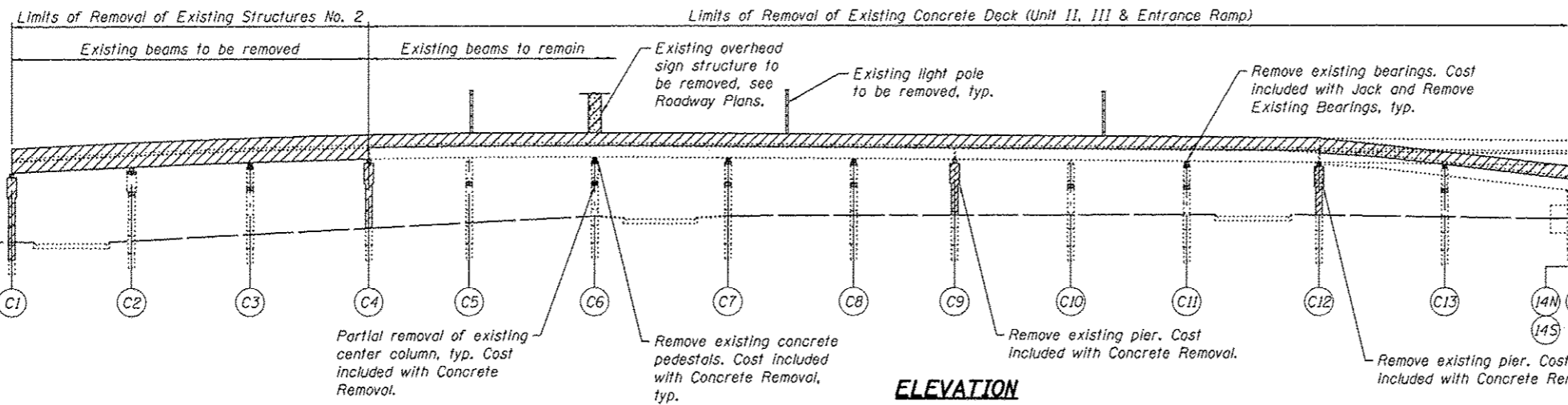
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY SUPPORT DETAILS II
STRUCTURE NO. 016-0461

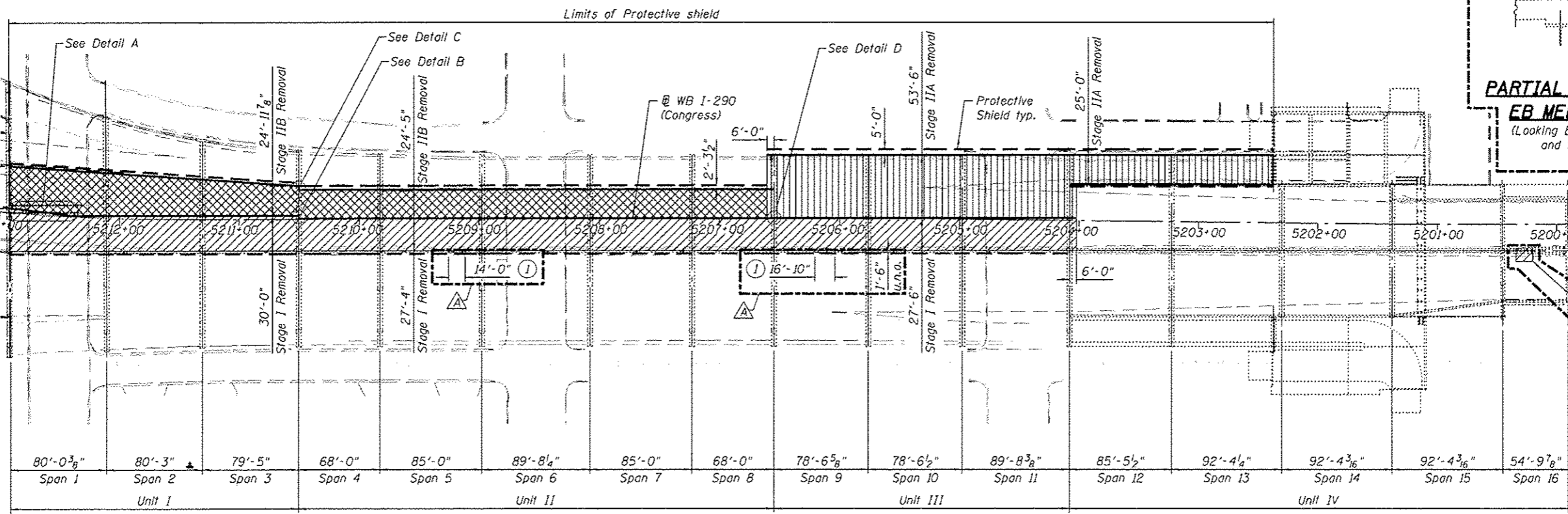
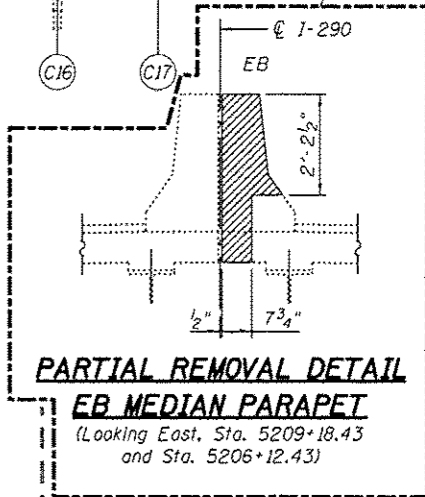
SHEET NO. 52-18 OF 52-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/250	2014-004 R&B (WB)	COOK	706	295
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

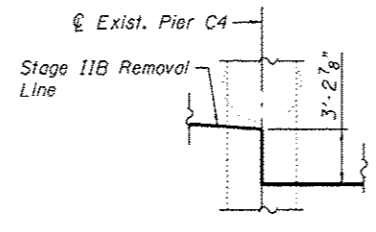
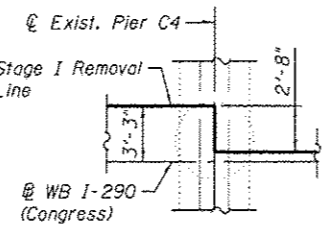
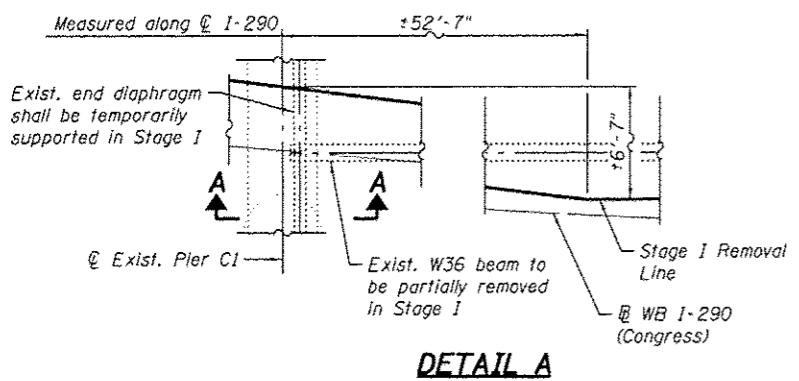
0160461-60X78-5018-SOR.dgn



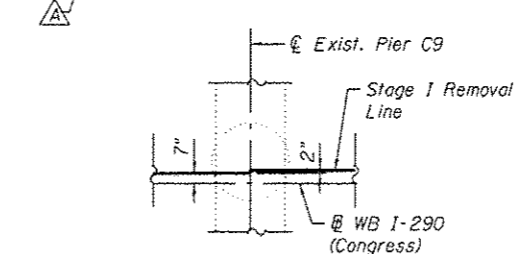
Notes:
 All superstructure and substructure removal (including Piers C1 & C4) occurring within Unit I shall be included in the cost of Removal of Existing Structures No. 2.
 For additional removal details and quantities, See sheet S2-21 thru S2-23.
 For Section A-A, See sheet S2-23.



35'-6 1/8" Stage IIB Removal
 36'-7 1/8" Stage I Removal



① Cost of partial removal of EB median parapet included in Removal of Existing Concrete Deck. See detail this sheet.



- LEGEND:**
- Stage I Removal
 - Stage IIA Removal
 - Stage IIB Removal
 - Protective Shield

BILL OF MATERIAL

Item	Unit	Quantity
Removal of Existing Structures No. 2	Each	1
Removal of Existing Concrete Deck	Each	3
Protective Shield	Sq Yd	7,713

* Protective Shield quantity includes areas for Deck Slab Repairs occurring within Unit IV.

0160461-60X7B-5020-ESR.dgn

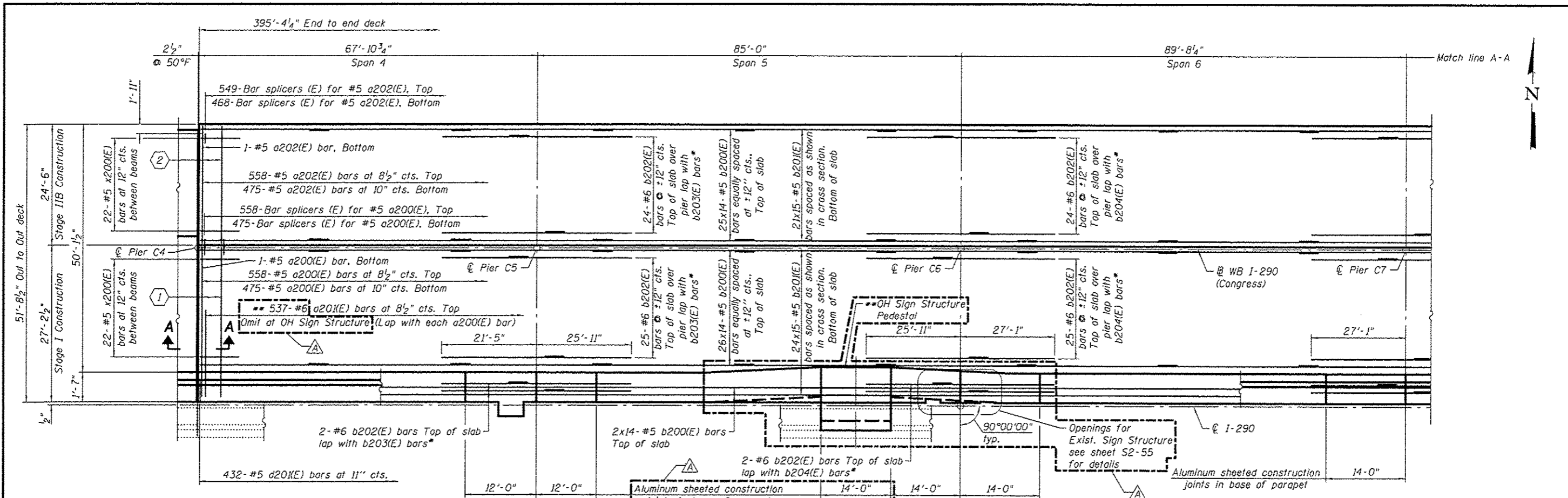
PARSONS BRINCKERHOFF

USER NAME: pgrfeld	DESIGNED: IJL	REVISED: 4/27/2016 JIG
FLAT SCALE: N.T.S.	CHECKED: PJL	REVISED:
PLAT DATE: 5/16/2016	DRAWN: DCP	REVISED:
	CHECKED: JIG	REVISED:

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE REMOVAL DETAILS I
 STRUCTURE NO. 016-0461
 SHEET NO. S2-20 OF S2-145 SHEETS

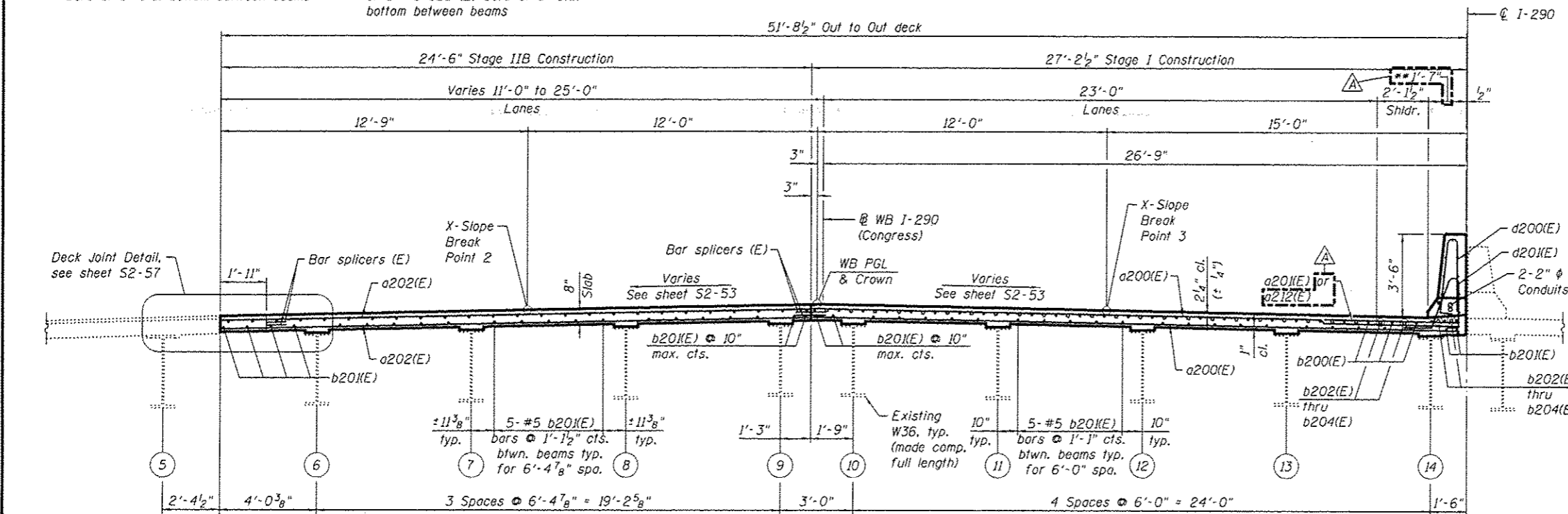
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	297
CONTRACT NO. 60X7B			ILLINOIS FED. AID PROJECT	



- ① 4-#5 a200(E) bars at 6" cts., Top
4x3-#5 a203(E) or 3-#5 a204(E)
bars at 6" cts. bottom between beams
- ② 4-#5 a202(E) bars at 6" cts., Top
3-#5 a205(E), 3x3-#5 a206(E),
or 3-#5 a207(E) bars at 6" cts.
bottom between beams

* Alternate location of lap.

PARTIAL DECK PLAN - UNIT II



See sheet S2-57A, for barrier modification and OH Sign Structure Pedestal details.

MINIMUM BAR LAP

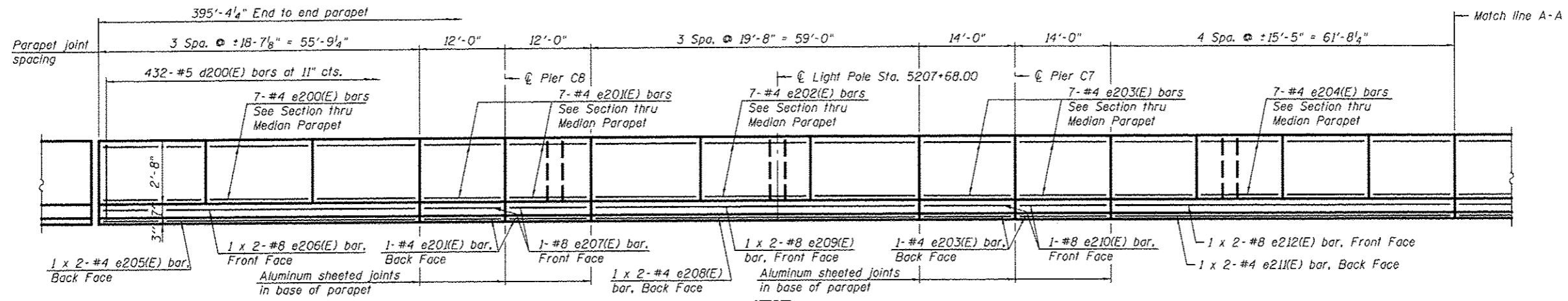
- #5 bar = 2'-7"
- #6 bar = 3'-1"

- Notes:
1. See sheet S2-54, for parapet reinforcement.
 2. See sheet S2-55 thru S52-54, for superstructure details, Section A-A, and Bill of Material.
 3. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
 4. Reinforcement bars shall not pass thru aluminum sheets and cork joint filler.
 5. Dimensions are based on a Rolled Roll Strip Seal Joint. If the Contractor elects to use the Welded Rail strip seal joint, deck dimensions may require adjustments to satisfy the details on sheet S2-70.

0160461-60X78-5052-DEK.dgn

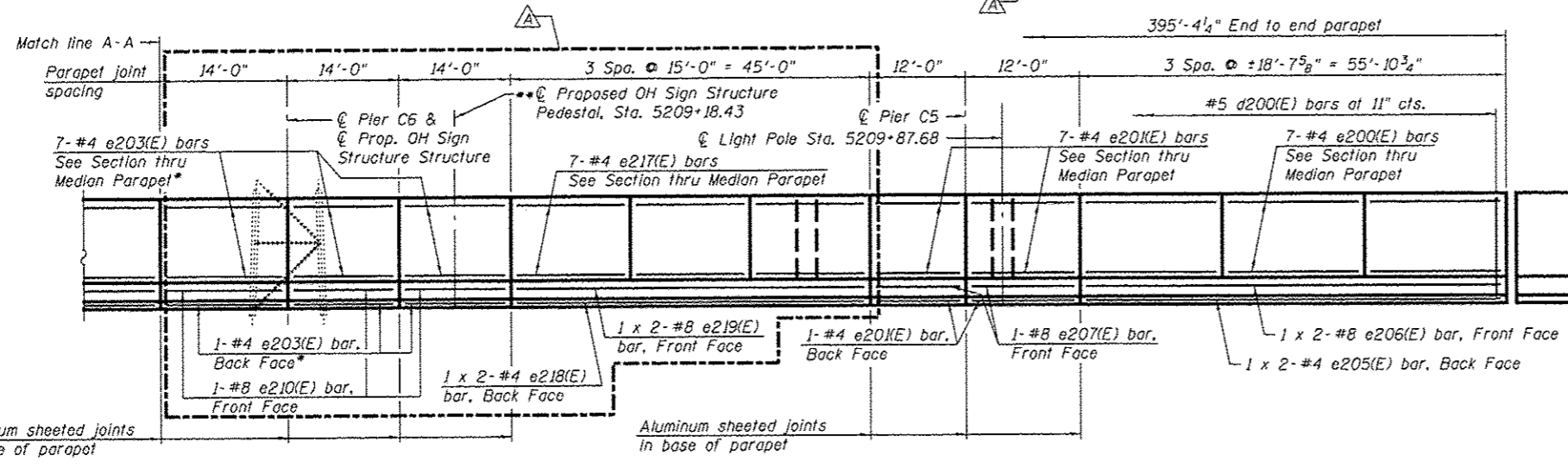
PARSONS BRINCKERHOFF	USER NAME - pateld	DESIGNED - PJL	REVISED - 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK PLAN I - UNIT II STRUCTURE NO. 016-0461	F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE - N.T.S.	CHECKED - JZ	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	329
	PLOT DATE - 5/16/2016	DRAWN - DCP	REVISED -			CONTRACT NO. 60X78				
	CHECKED - JIG	REVISED -	ILLINOIS FED. AID PROJECT							

SHEET NO. S2-52 OF S2-145 SHEETS



INSIDE ELEVATION OF WB SOUTH MEDIAN PARAPET

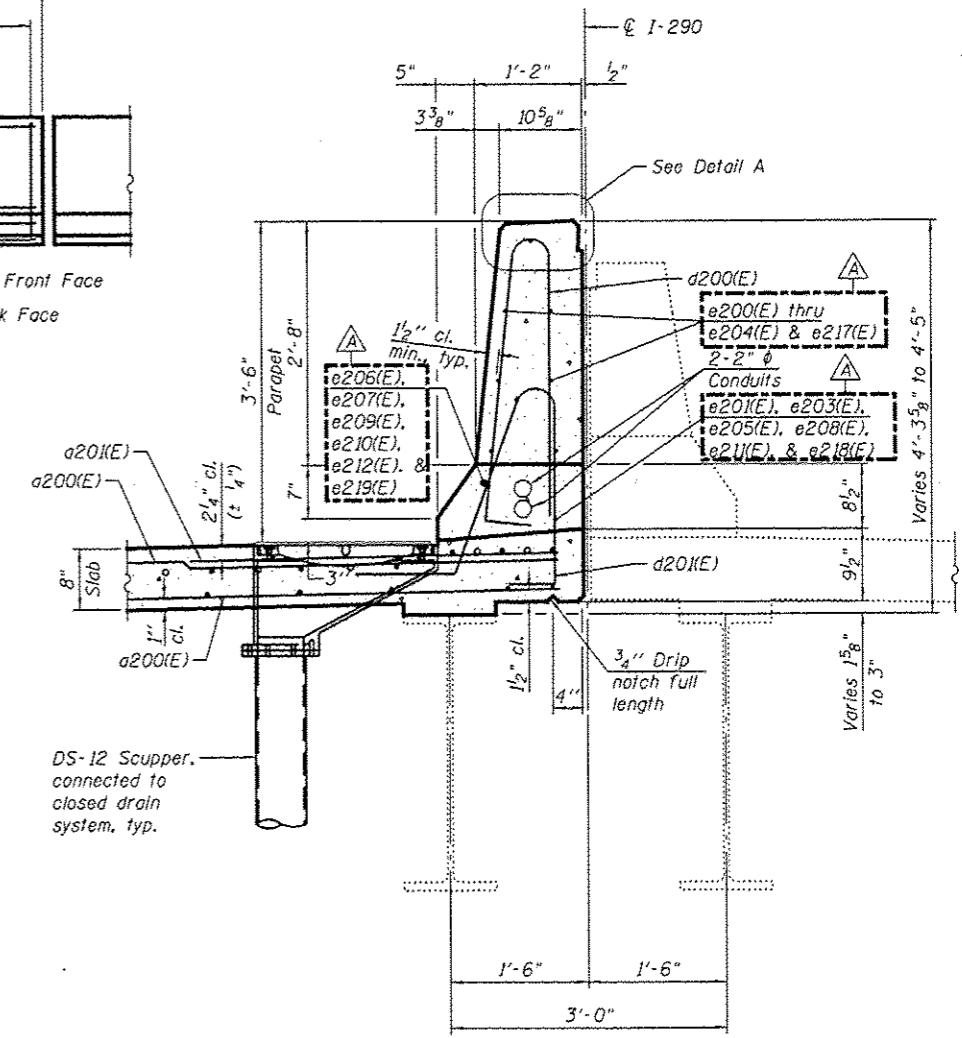
MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



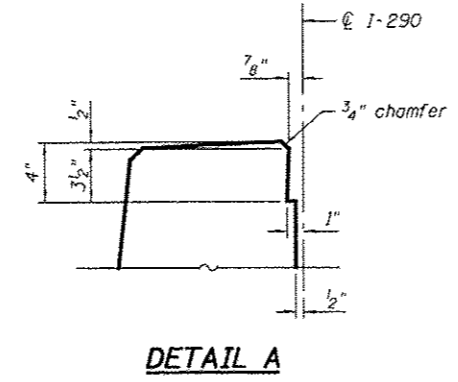
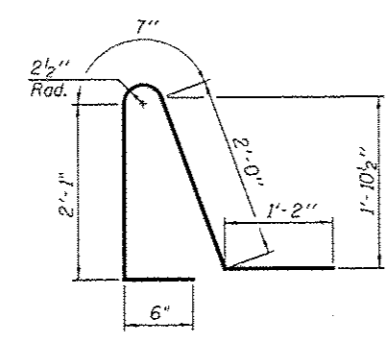
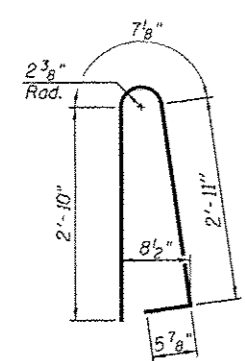
INSIDE ELEVATION OF WB SOUTH MEDIAN PARAPET

* Cut in field to clear openings. See sheet S2-55, for details of openings for Sign Structure

** See sheet S2-57A, for barrier modification and OH Sign Structure Pedestal details.



SECTION THRU MEDIAN PARAPET



PARSONS BRINCKERHOFF

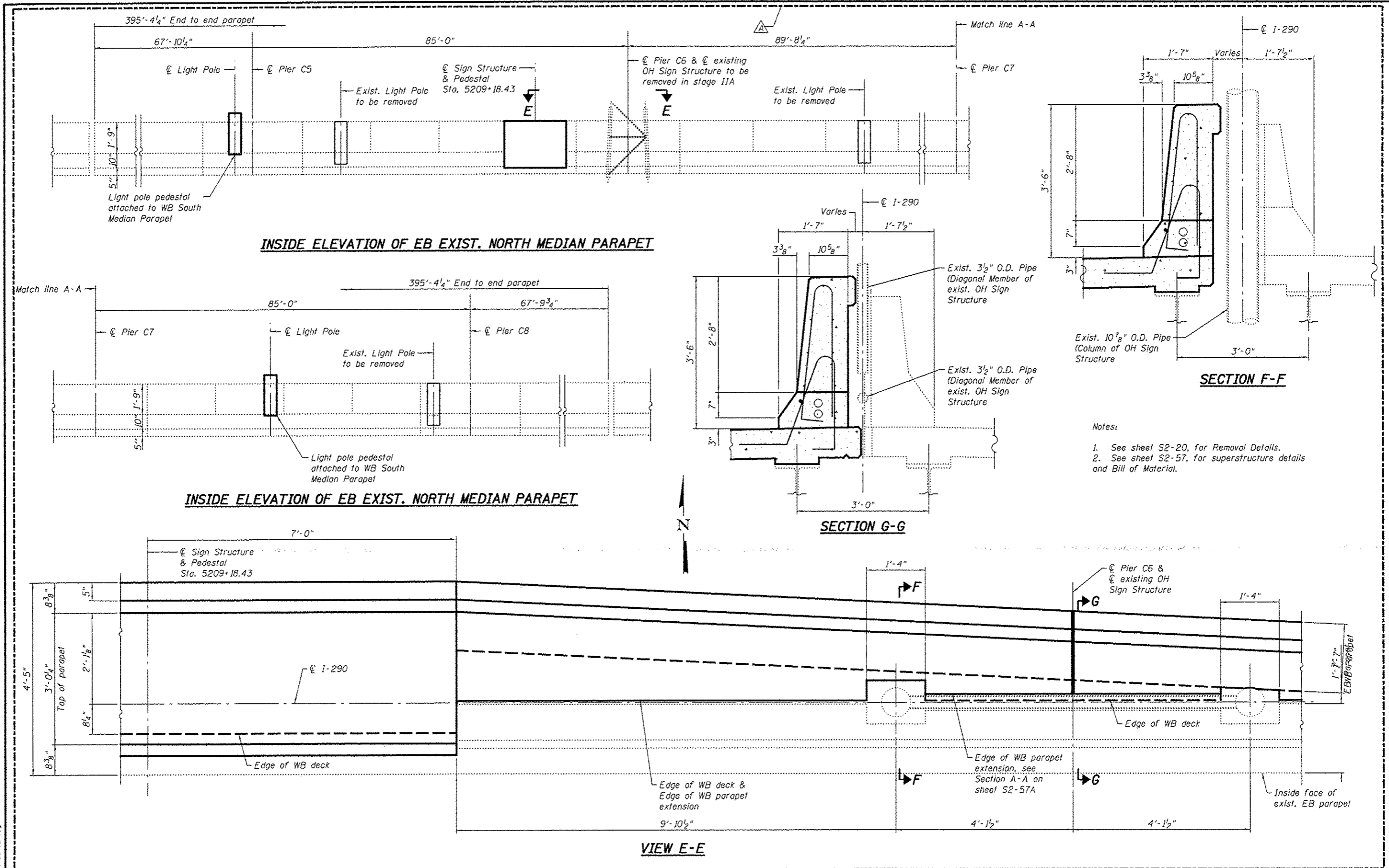
USER NAME - pateld	DESIGNED - PJL	REVISED - 4/27/2016 JIG
CHECKED - JZ	REVISIONS -	
PLT SCALE - N.T.S.	DRAWN - DCP	REVISIONS -
PLT DATE - 5/16/2016	CHECKED - JIG	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS I - UNIT II
STRUCTURE NO. 016-0461
SHEET NO. S2-54 OF S2-145 SHEETS

F.A.I. RTE. 80/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 331
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

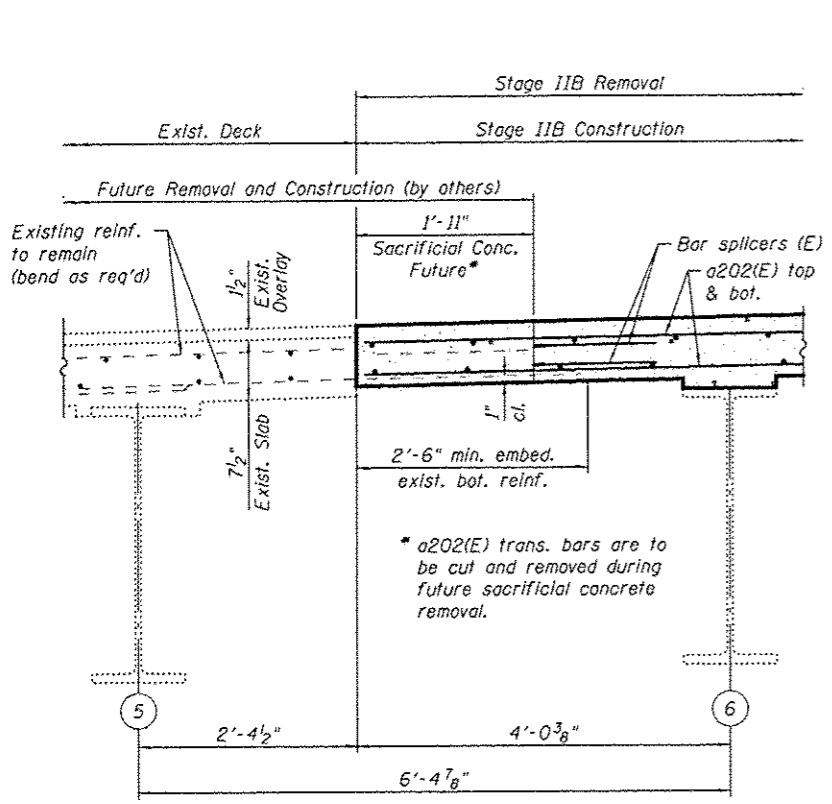
0160461-60X78-S034-DET.dgn



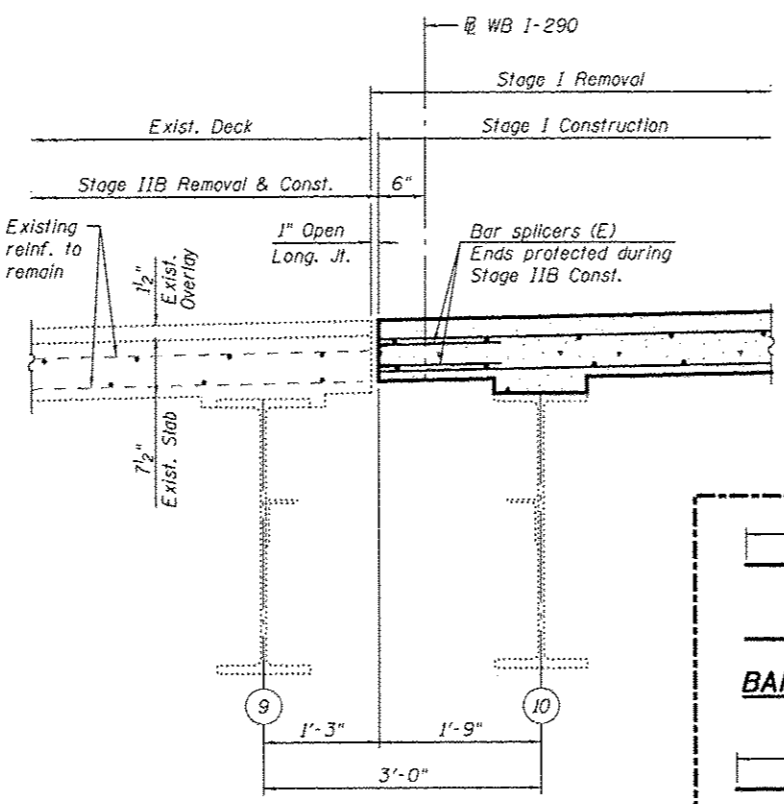
- Notes:
1. See sheet S2-20, for Removal Details.
 2. See sheet S2-57, for superstructure details and Bill of Material.

PARSONS BRINCKERHOFF	USER NAME = potold	DESIGNED - P.J.L.	REVISED - 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK DETAILS II - UNIT II STRUCTURE NO. 016-0461	F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = N.T.S.	CHECKED - JZ	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	332	
	PLOT DATE = 5/16/2016	DRAWN - DCP	REVISED -			CONTRACT NO. 60X7B					
		CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT					
	SHEET NO. S2-55 OF S2-145 SHEETS										

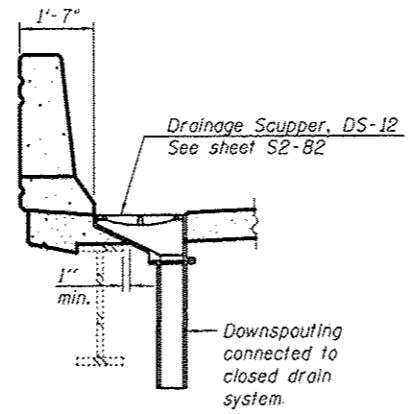
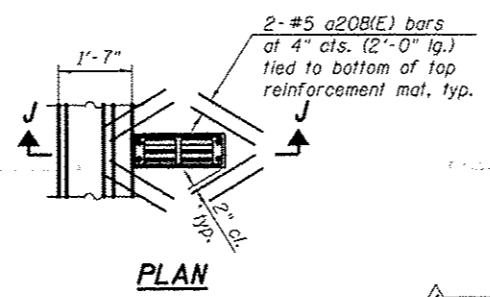
0160461-60X7B-S055-DET.rgn



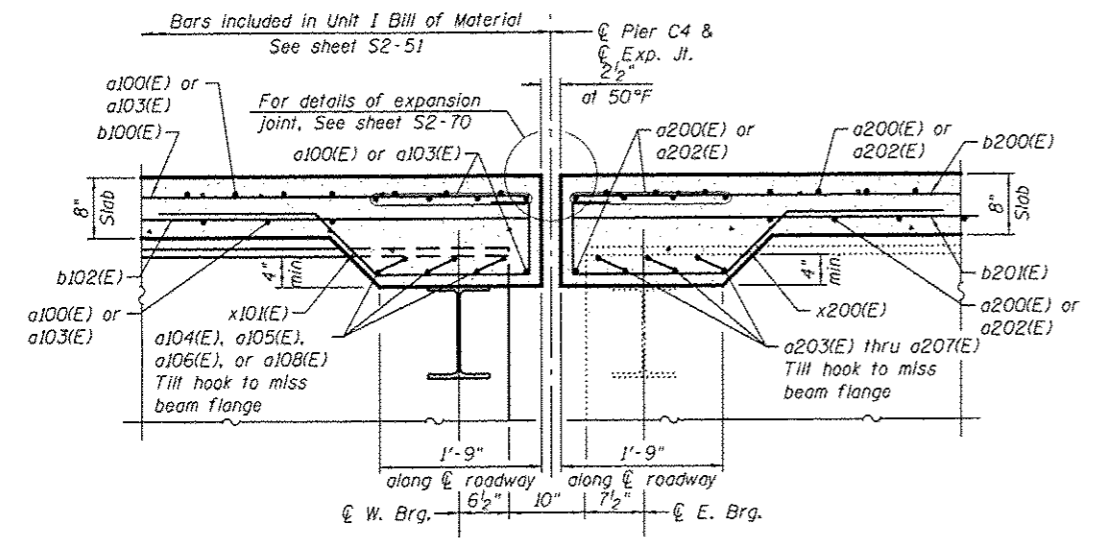
DECK JOINT DETAIL FOR FINAL TRAFFIC "CROSS OVER"



LONGITUDINAL OPEN JOINT DETAIL FOR STAGE IIA TRAFFIC "CROSS OVER"



SECTION J-J



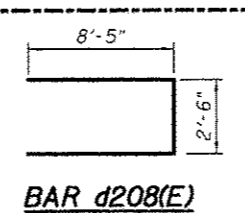
SECTION A-A

7"	5'-9"	a203(E)
7"	6'-1"	a206(E)

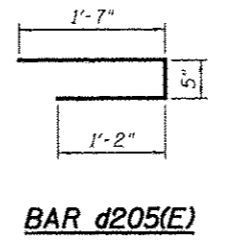
a203(E) or a206(E) BAR

7"	1'-3"	a204(E)
7"	1'-6"	a205(E)
7"	3'-9"	a207(E)

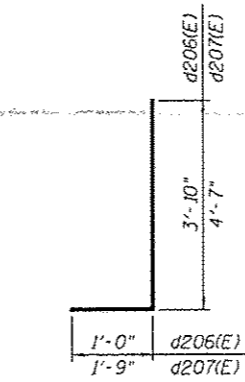
a204(E), a205(E) or a207(E) BAR



BAR x200(E)



BAR x20(E)



BAR a21(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a200(E)	1,048	#5	26'-9"	---	
a201(E)	546	#6	6'-6"	---	
a202(E)	1,048	#5	24'-3"	---	
a203(E)	20	#5	6'-11"	---	
a204(E)	4	#5	1'-10"	---	
a205(E)	4	#5	2'-1"	---	
a206(E)	12	#5	7'-3"	---	
a207(E)	4	#5	4'-4"	---	
a208(E)	64	#5	2'-0"	---	
a209(E)	20	#6	7'-2"	---	
a210(E)	27	#5	31'-6"	---	
a211(E)	17	#5	6'-1"	---	
a212(E)	21	#7	10'-1"	---	
b200(E)	742	#5	30'-7"	---	
b201(E)	690	#5	28'-8"	---	
b202(E)	204	#6	32'-0"	---	
b203(E)	102	#6	18'-5"	---	
b204(E)	102	#6	24'-1"	---	
b205(E)	4	#5	2'-3"	---	
b206(E)	51	#5	5'-8"	---	
b207(E)	10	#5	13'-9"	---	
d200(E)	440	#5	6'-11"	---	
d201(E)	440	#5	6'-4"	---	
d202(E)	6	#6	5'-1"	---	
d203(E)	12	#6	8'-11"	---	
d204(E)	25	#5	3'-3"	---	
d205(E)	42	#5	3'-2"	---	
d206(E)	15	#6	4'-10"	---	
d207(E)	21	#6	6'-4"	---	
d208(E)	12	#6	19'-4"	---	
e200(E)	42	#4	18'-4"	---	
e201(E)	32	#4	11'-9"	---	
e202(E)	21	#4	19'-5"	---	
e203(E)	42	#4	13'-9"	---	
e204(E)	28	#4	15'-2"	---	
e205(E)	4	#4	28'-9"	---	
e206(E)	4	#8	30'-4"	---	
e207(E)	4	#8	11'-9"	---	
e208(E)	4	#4	30'-5"	---	
e209(E)	4	#8	32'-0"	---	
e210(E)	5	#8	13'-9"	---	
e211(E)	4	#4	31'-9"	---	
e212(E)	4	#8	33'-4"	---	
e213(E)	10	#4	3'-8"	---	
e214(E)	8	#5	2'-3"	---	
e215(E)	8	#4	5'-8"	---	
e216(E)	1	#8	5'-8"	---	
e217(E)	23	#4	14'-9"	---	
e218(E)	2	#4	23'-5"	---	
e219(E)	2	#8	25'-0"	---	
e220(E)	4	#4	9'-0"	---	
e221(E)	4	#5	13'-8"	---	
x200(E)	44	#5	6'-5"	---	
x201(E)	68	#5	7'-6"	---	
Reinforcement Bars, Epoxy Coated				Pound	136,030
Concrete Superstructure				Cu. Yds.	620.3
Protective Coat				Sq. Yd.	2,428
Bridge Deck Grooving				Sq. Yd.	2,175

- Note:
1. Cut longitudinal reinforcement to clear drainage scuppers.
 2. Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Removal of Existing Concrete Deck.
 3. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to Removal of Existing Concrete Deck.

0160461-60X78-5057-DET.dgn

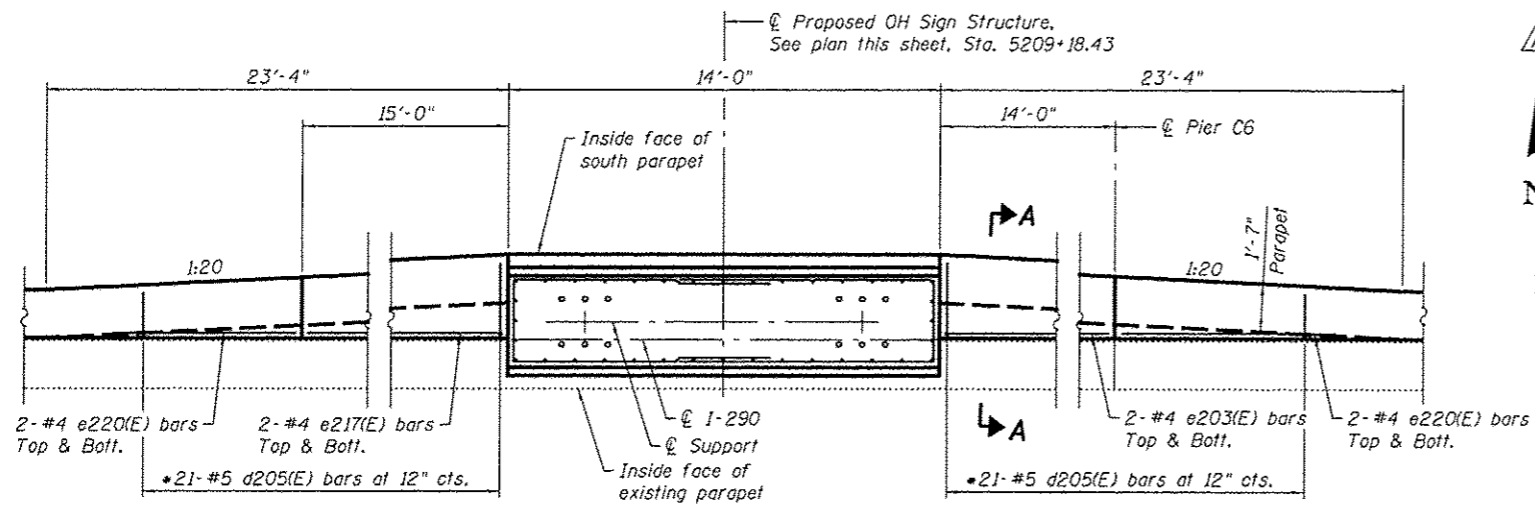
PARSONS BRINCKERHOFF

USER NAME = patoid	DESIGNED - PJL	REVISED - 4/27/2016 JIG
CHECKED - JZ		
PLOT SCALE = N.T.S.	DRAWN - DCP	
PLOT DATE = 5/16/2016	CHECKED - JIG	

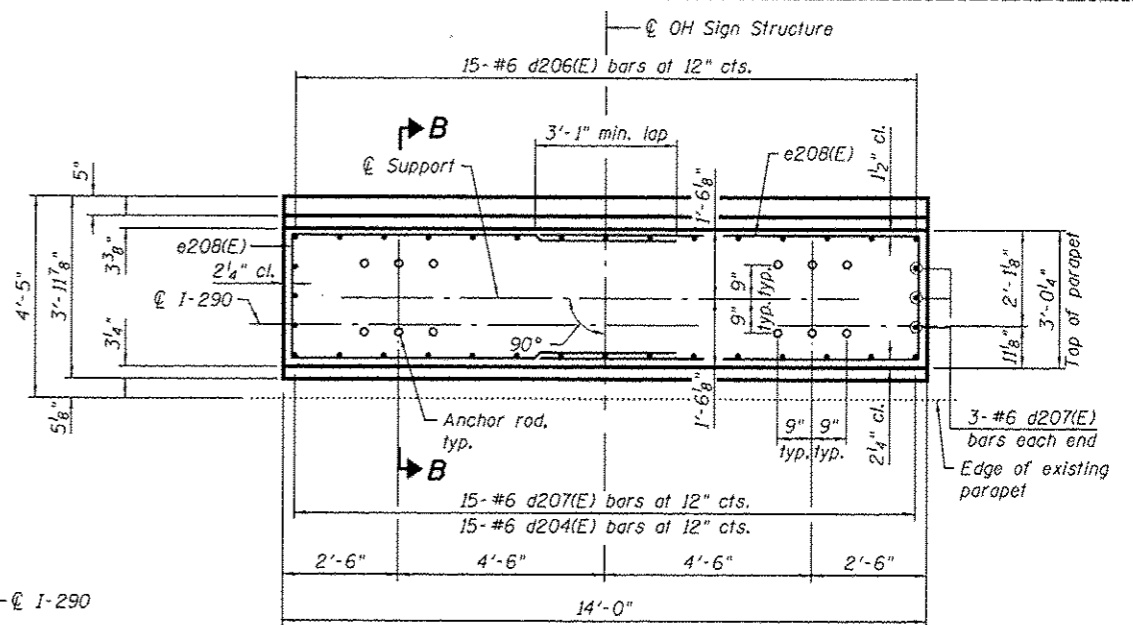
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS IV - UNIT II
STRUCTURE NO. 016-0461
SHEET NO. S2-57 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	334
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



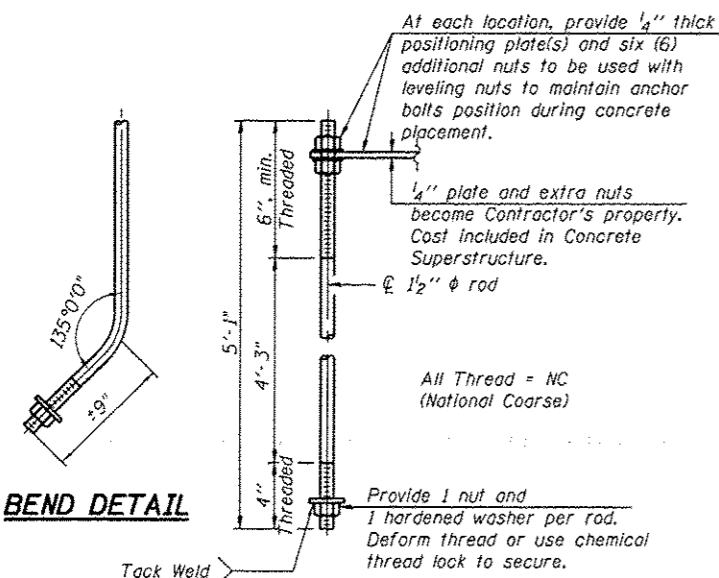
WB MEDIAN PARAPET PARTIAL PLAN



**OH SIGN STRUCTURE PEDESTAL PLAN
WB SOUTH PARAPET**

(Parapet reinforcement not shown for clarity)

• Cut to fit in field

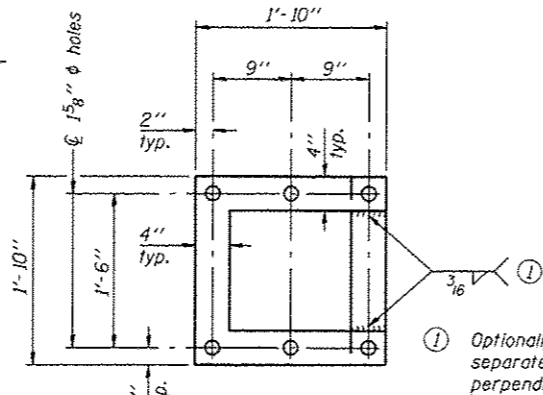


ANCHOR ROD DETAIL

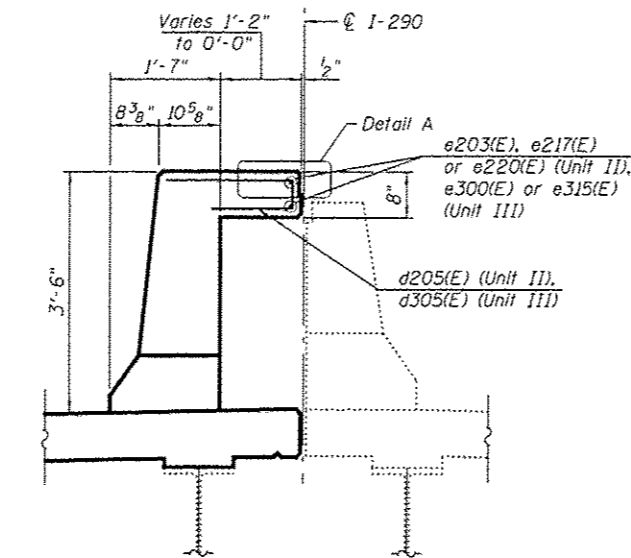
(6 Straight Rods Req'd & 6 Bent Rods Req'd - Unit II)
(18 Straight Rods Req'd & 6 Bent Rods Req'd - Unit III)
Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.
Cost included with Concrete Superstructure.

Note:

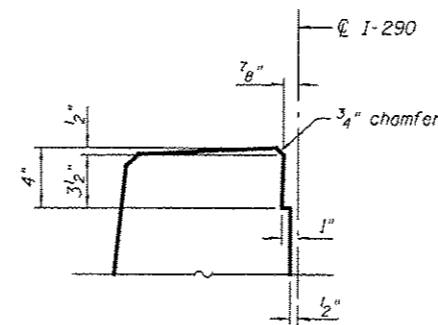
1. For sign structure, see Civil Plans.



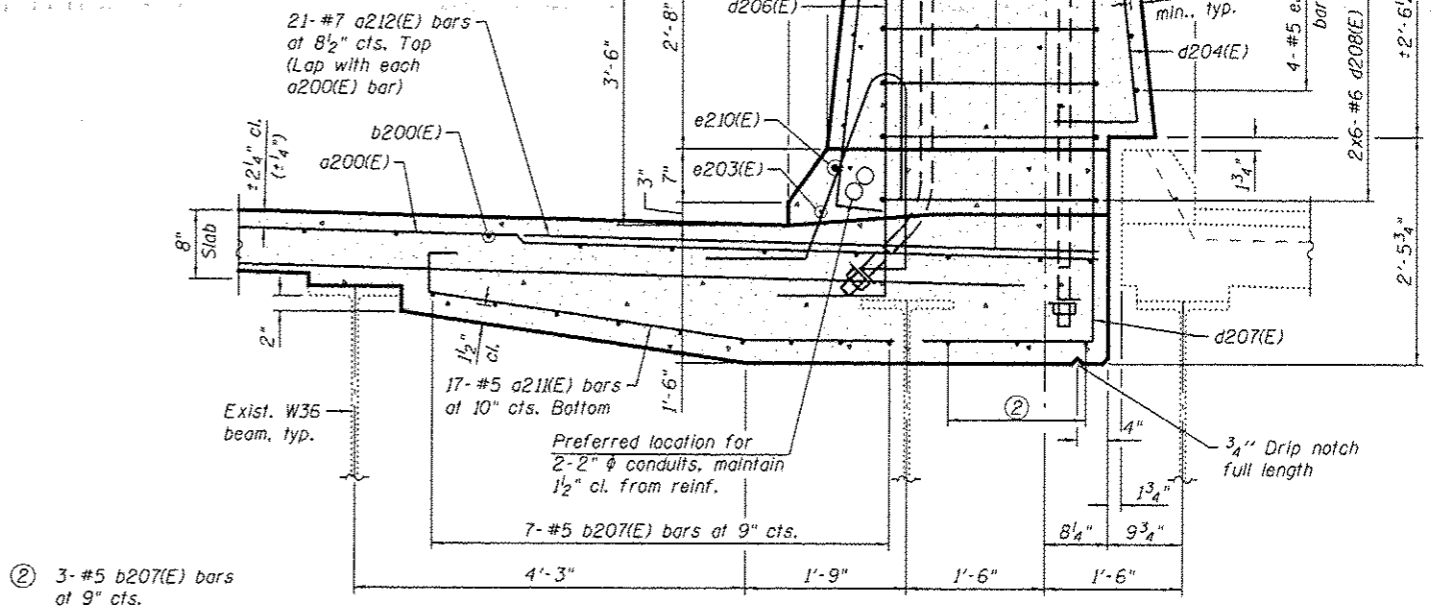
POSITIONING PLATE(S)



SECTION A-A



DETAIL A



SECTION B-B

② 3-#5 b207(E) bars at 9 cts.

0160461-60X78-5057A-DET.dgn

**PARSONS
BRINCKERHOFF**

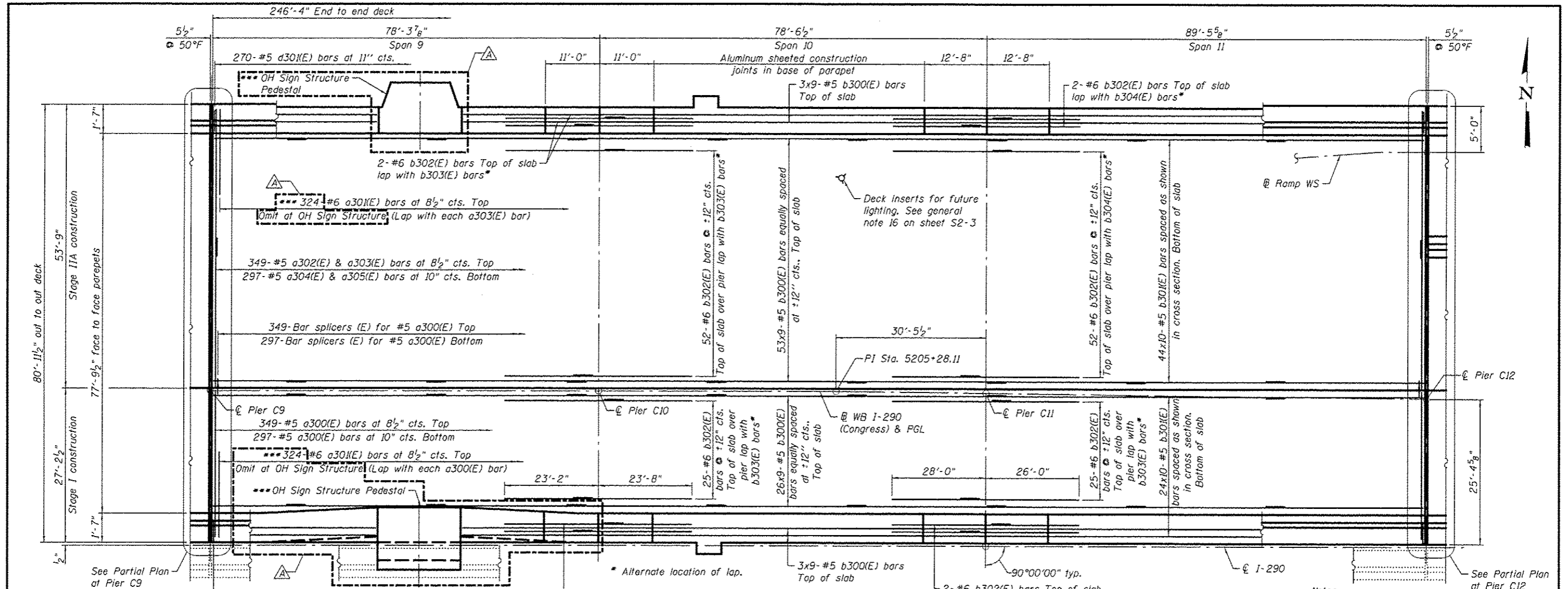
USER NAME * poteld	DESIGNED - ---	REVISED - A 4/27/2016 JIG
PLOT SCALE * N.T.S.	CHECKED - ---	REVISED - ---
PLOT DATE * 5/16/2016	DRAWN - DCP	REVISED - ---
	CHECKED - JIG	REVISED - ---

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS V - UNIT II
STRUCTURE NO. 016-0461

SHEET NO. S2-57A OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	334A
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

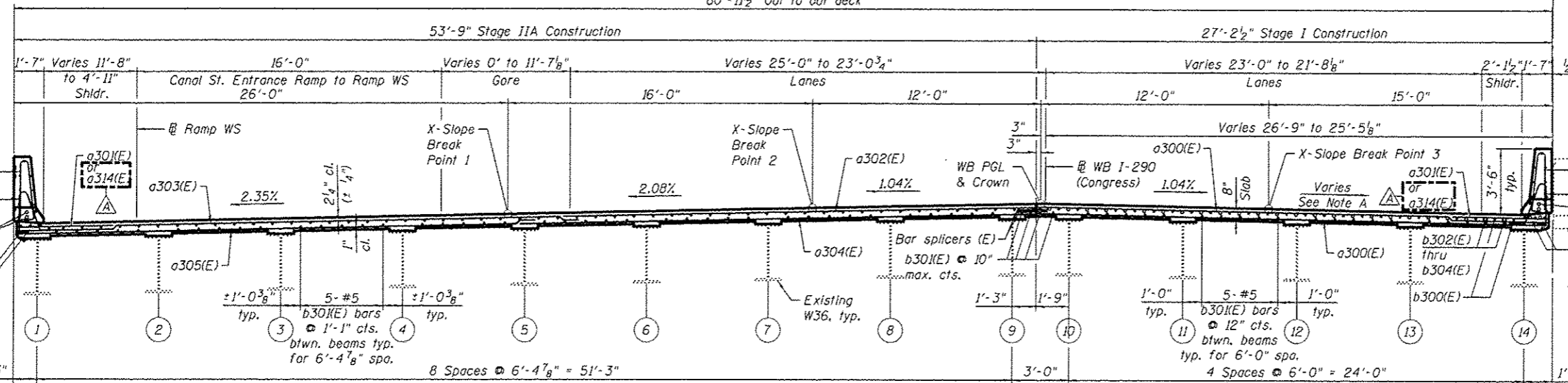


DECK PLAN - UNIT III

- Notes:
1. See sheet S2-59, for parapet reinforcement.
 2. See sheets S2-60 thru S2-59, for superstructure details.
 3. See sheet S2-63, for Partial Plan at Pier C9 and Bill of Material.
 4. See sheet S2-66, for Partial Plan at Pier C12
2. Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
4. Reinforcement bars shall not pass thru aluminum sheets and cork joint filler.

MINIMUM BAR LAP
 #5 bar = 2'-7"
 #6 bar = 3'-1"

Note A: (Direction of slope referenced from WB Crown)
 Constant cross slope (-2.08%)
 Sta. 5206+54.74 to Sta. 5204+74.02
 Transition (-2.08% to -1.75%)
 Sta. 5204+74.02 to Sta. 5204+49.02



CROSS SECTION - UNIT III
(Looking East)

0160461-60X78-5058-DEK.dgn



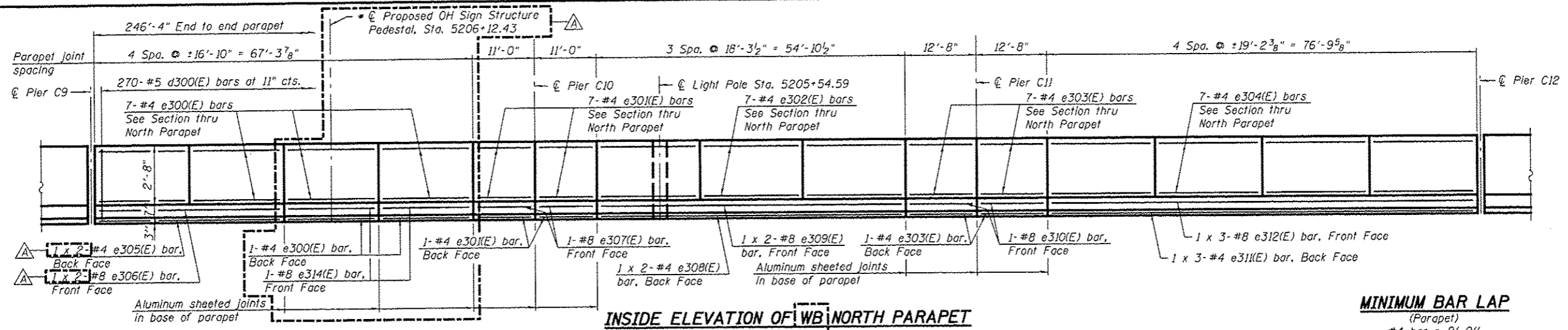
USER NAME = potold	DESIGNED - PJL	REVISED - 4/27/2016 JIC
CHECKED - JZ	REVISOR -	
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISOR -
PLOT DATE = 5/16/2016	CHECKED - JIC	REVISOR -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

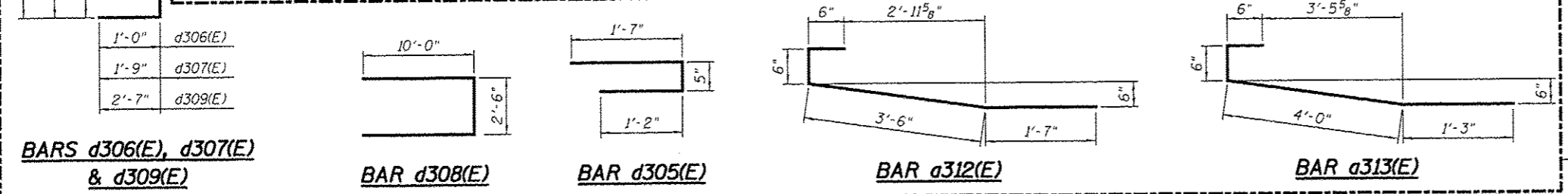
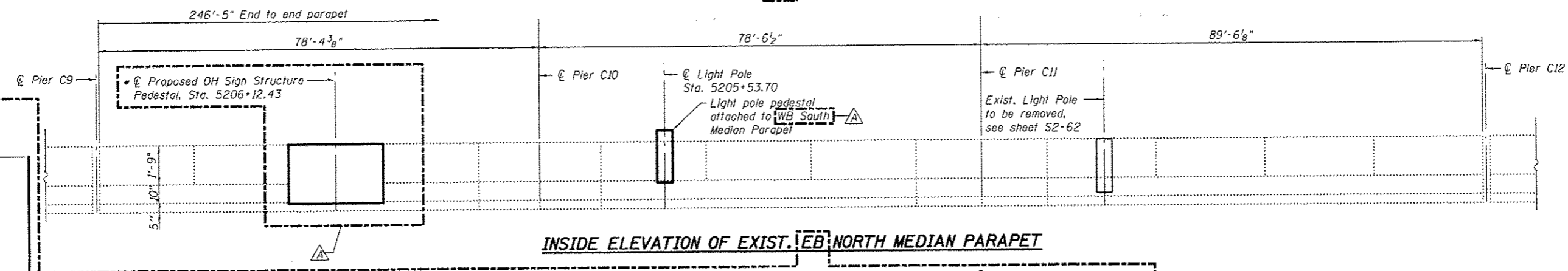
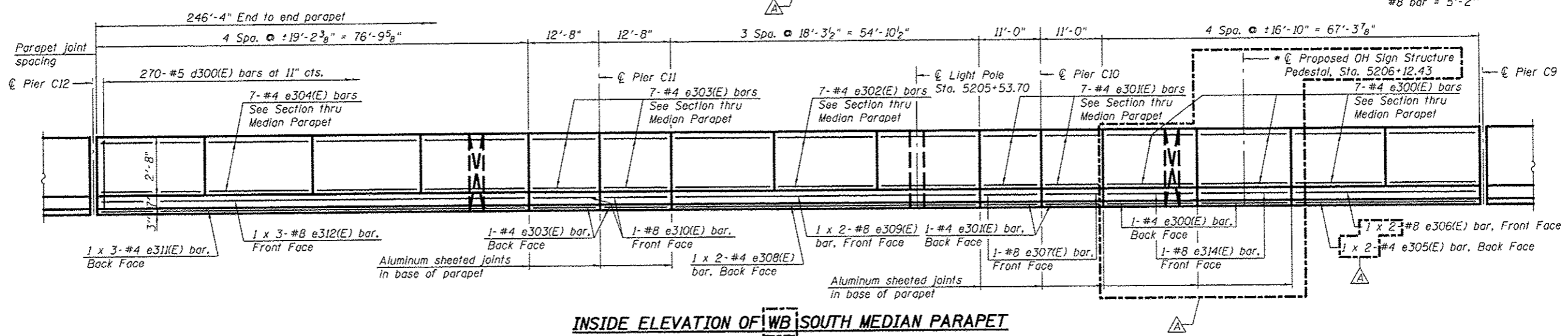
DECK PLAN - UNIT III
 STRUCTURE NO. 016-0461

SHEET NO. S2-58 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	335
CONTRACT NO. 60X78				
ILLINOIS FEB. AID PROJECT				



MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-0"
#8 bar = 5'-2"



* See sheet S2-63A, for barrier modification and OH Sign Structure Pedestal details.

Note:
For Section thru Median Parapet &
Section thru North Parapet, see sheet S2-60.

0160461-60X78-S259-DET.dgn

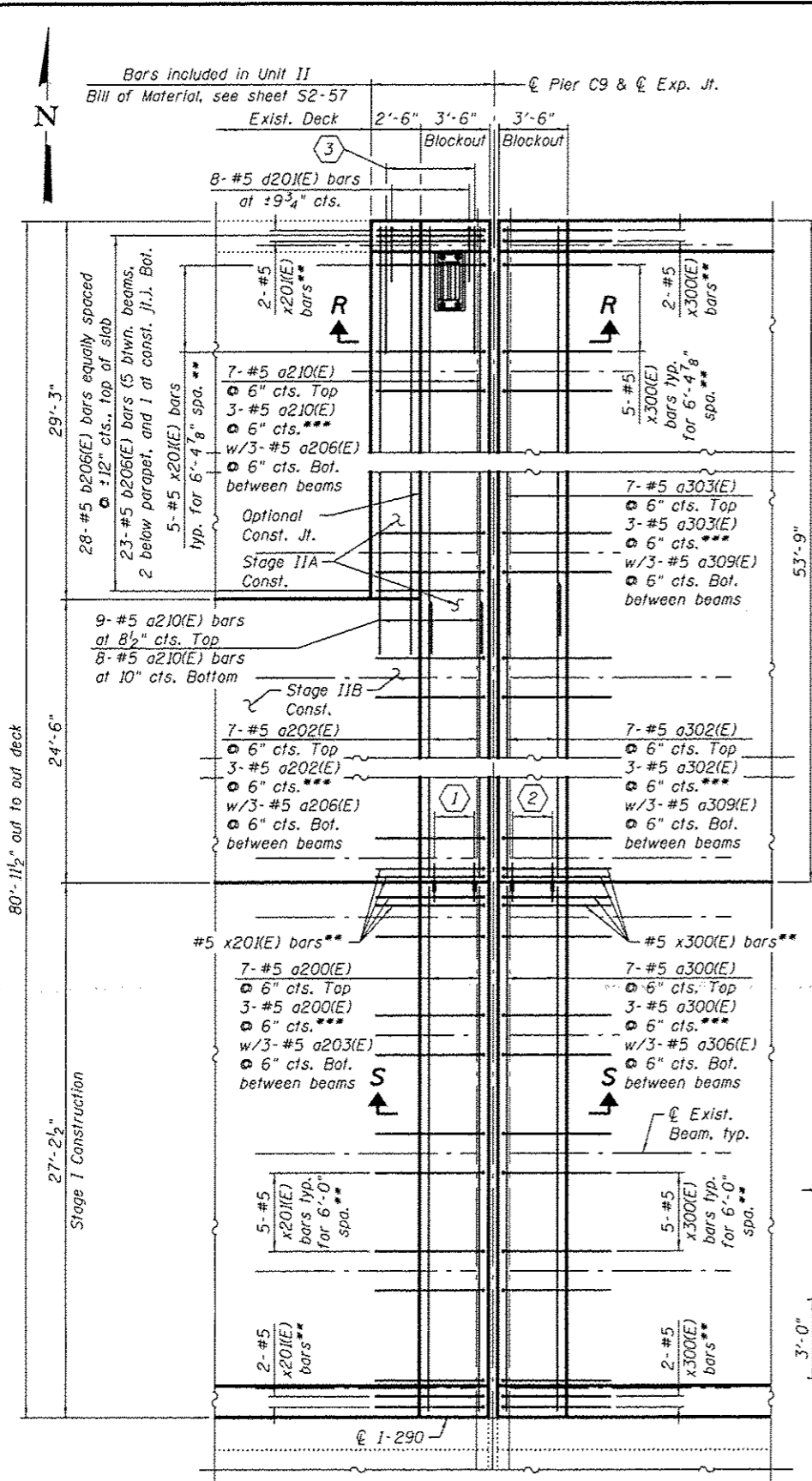
**PARSONS
BRINCKERHOFF**

USER NAME • pateld	DESIGNED - PJL	REVISED - 4/27/2016 JIG
CHECKED - JZ	REVISIONS -	
PLOT SCALE • N.T.S.	DRAWN - DCP	
PLOT DATE • 5/16/2016	CHECKED - JIG	

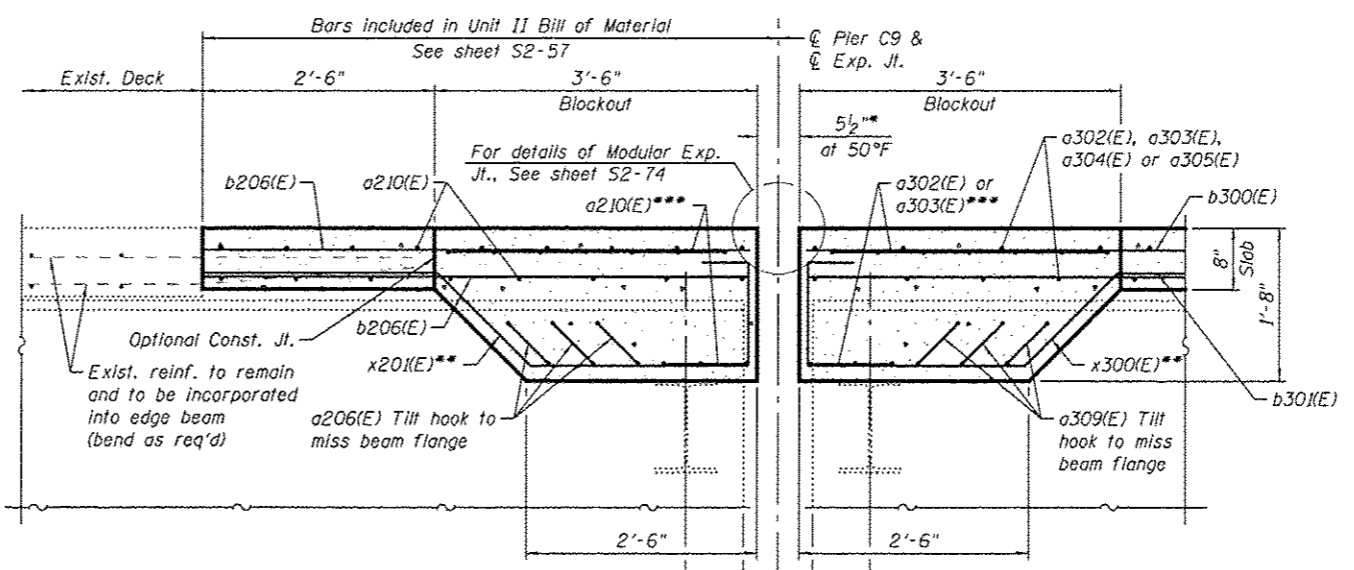
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS I - UNIT III
STRUCTURE NO. 016-0461
SHEET NO. 52-59 OF 52-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	336
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



PARTIAL PLAN AT PIER C9



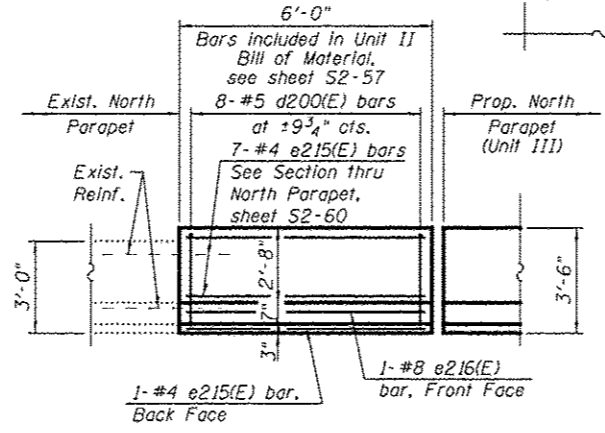
SECTION R-R

* Actual dimension may vary depending on Manufacturer's design

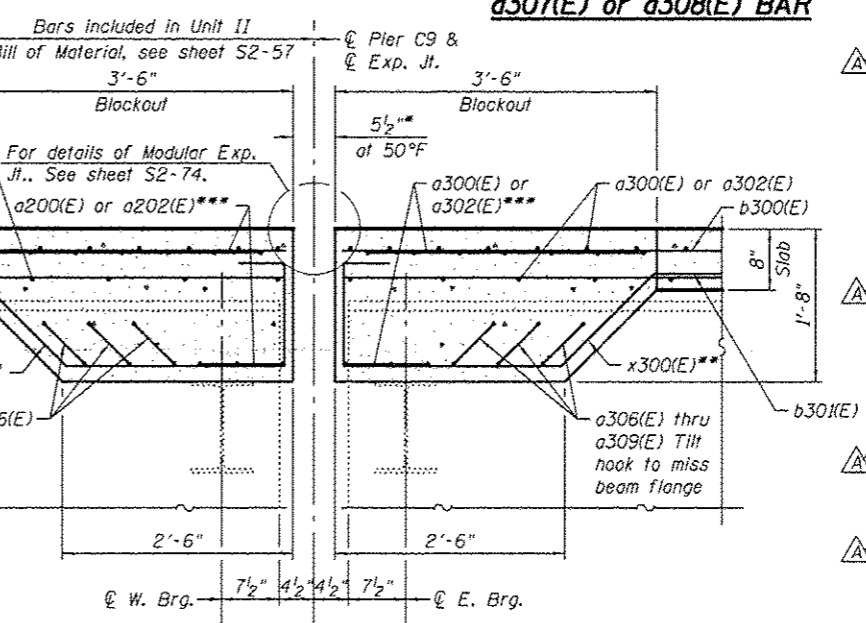
** x20(E) & x300(E) bars to be placed at 12" cts. between beams and adjusted in field to miss support boxes

*** Bars to be adjusted and/or cut in field to miss support boxes and beam webs, as allowed by the Engineer. The Contractor shall reference and coordinate rebar installation with the approved modular joint shop drawings.

- ① 3- #5 a204(E) bars, 3- #5 a205(E) bars & 13- Bar Splicers (E) for #5 a200(E) and a204(E)-a205(E) bars top and bottom
- ② 3- #5 a307(E) bars, 3- #5 a308(E) bars & 13- Bar Splicers (E) for #5 a300(E) and a307(E)-a308(E) bars top and bottom
- ③ 9- #6 a201(E) bars of 8 1/2" cts. Top (Lap with b210(E) bar)



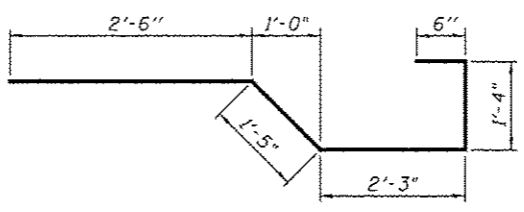
INSIDE ELEVATION OF PARAPET AT EXIST. NORTH PARAPET



SECTION S-S

Notes:

- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Removal of Existing Concrete Deck.
- Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost incidental to Removal of Existing Concrete Deck.



7"	5'-9"	a306(E)
7"	6'-1"	a309(E)

a306(E) or a309(E) BAR

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a300(E)	666	#5	26'-9"	
a301(E)	648	#6	6'-6"	
a302(E)	369	#5	24'-11"	
a303(E)	369	#5	31'-0"	
a304(E)	297	#5	30'-0"	
a305(E)	297	#5	25'-11"	
a306(E)	20	#5	6'-11"	
a307(E)	4	#5	1'-10"	
a308(E)	4	#5	2'-1"	
a309(E)	12	#5	7'-3"	
a310(E)	80	#5	2'-0"	
a311(E)	20	#6	7'-2"	
a312(E)	20	#5	6'-1"	
a313(E)	20	#5	6'-3"	
a114(E)	50	#7	10'-1"	
b300(E)	765	#5	30'-1"	
b301(E)	680	#5	27'-3"	
b302(E)	162	#6	32'-0"	
b303(E)	81	#6	17'-11"	
b304(E)	81	#6	25'-1"	
b305(E)	4	#5	2'-3"	
b306(E)	20	#5	16'-7"	
d300(E)	540	#5	6'-11"	
d301(E)	540	#5	6'-2"	
d302(E)	6	#6	5'-1"	
d303(E)	12	#6	8'-11"	
d304(E)	23	#5	3'-3"	
d305(E)	42	#5	3'-2"	
d306(E)	37	#6	4'-10"	
d307(E)	18	#6	6'-4"	
d308(E)	12	#6	22'-6"	
d309(E)	19	#6	5'-8"	
d310(E)	19	#6	6'-1"	
d311(E)	18	#6	11'-1"	
d312(E)	12	#6	13'-4"	
e300(E)	64	#4	16'-6"	
e301(E)	32	#4	10'-9"	
e302(E)	42	#4	18'-0"	
e303(E)	32	#4	12'-5"	
e304(E)	56	#4	18'-11"	
e305(E)	4	#4	17'-9"	
e306(E)	4	#8	19'-4"	
e307(E)	4	#8	10'-9"	
e308(E)	4	#4	28'-4"	
e309(E)	4	#8	29'-11"	
e310(E)	4	#8	12'-5"	
e311(E)	6	#4	26'-11"	
e312(E)	6	#8	29'-0"	
e313(E)	4	#5	2'-3"	
e314(E)	2	#8	16'-6"	
e315(E)	4	#4	7'-0"	
e316(E)	4	#5	16'-6"	
x300(E)	136	#5	7'-6"	
Reinforcement Bars, Epoxy Coated		Pound	137,030	
Concrete Superstructure		Cu. Yds.	632.4	
Protective Coat		Sq. Yd.	2,380	
Bridge Deck Grooving		Sq. Yd.	2,072	

0160461-60X78-5063-DET-007

PARSONS BRINCKERHOFF

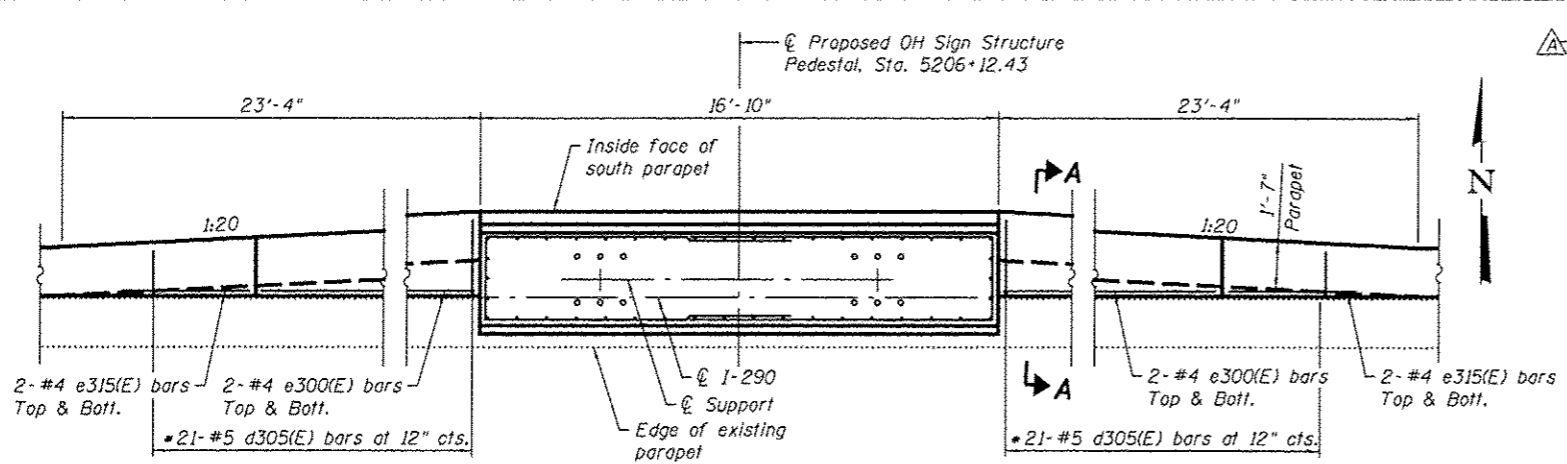
USER NAME = pofeld	DESIGNED = P.JL	REVISED = 4/27/2016 JIG
PLOT SCALE = N.T.S.	CHECKED = JZ	REVISED =
PLOT DATE = 5/16/2016	DRAWN = DCP	REVISED =
	CHECKED = JIG	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK DETAILS V - UNIT III
STRUCTURE NO. 016-0461

SHEET NO. S2-63 OF S2-145 SHEETS

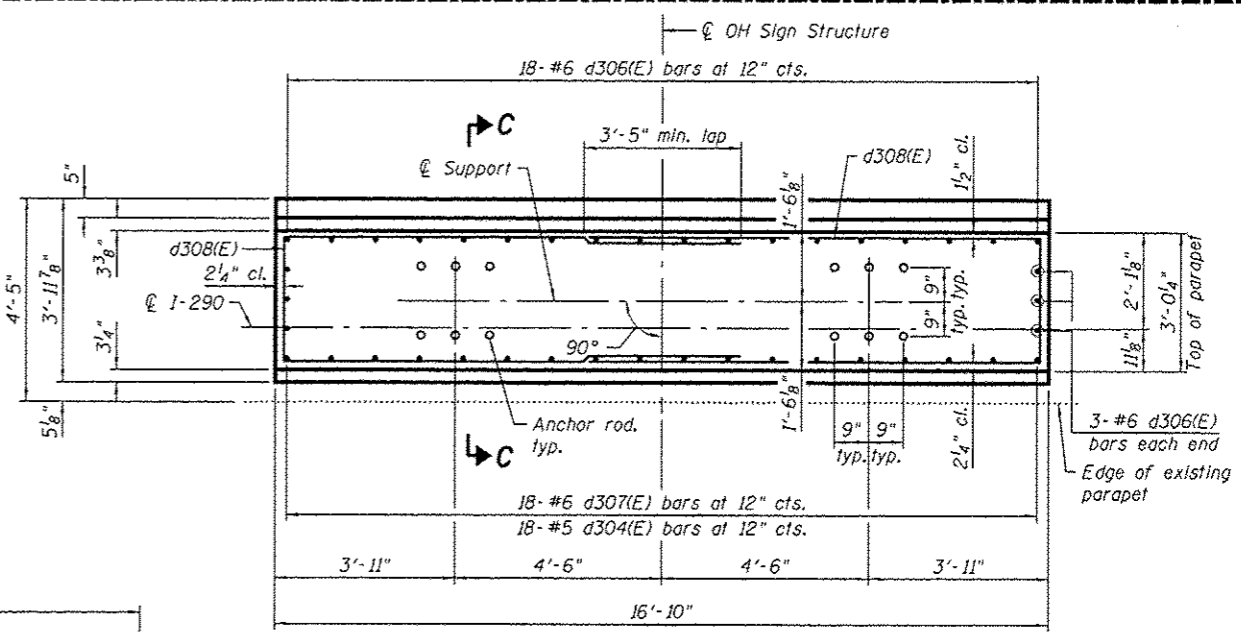
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	340
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



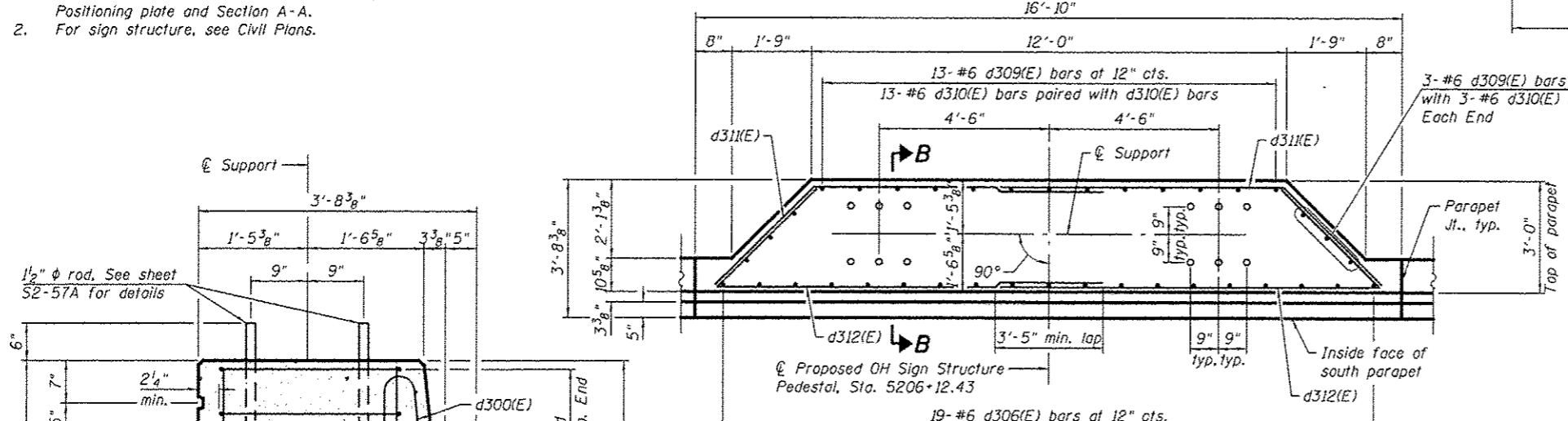
MEDIAN SOUTH PARAPET PARTIAL PLAN

* Cut to fit in field

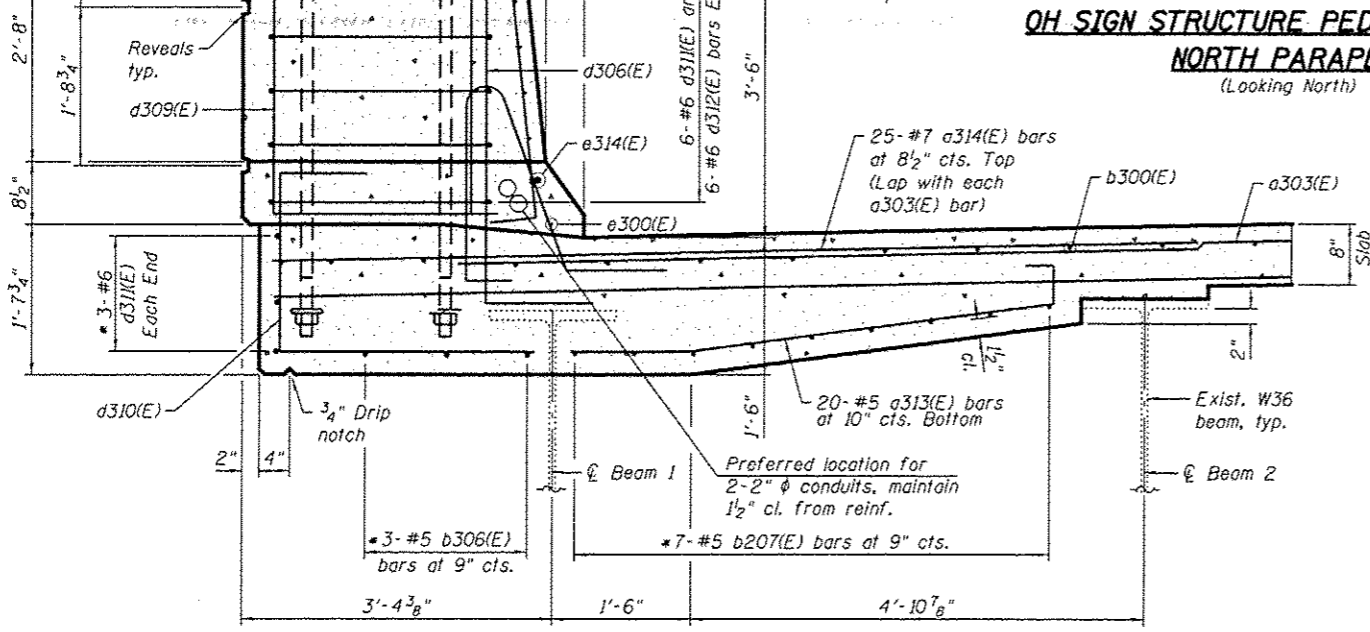
- Notes:
1. See sheet S2-57A, for Anchor Bolt detail, Positioning plate and Section A-A.
 2. For sign structure, see Civil Plans.



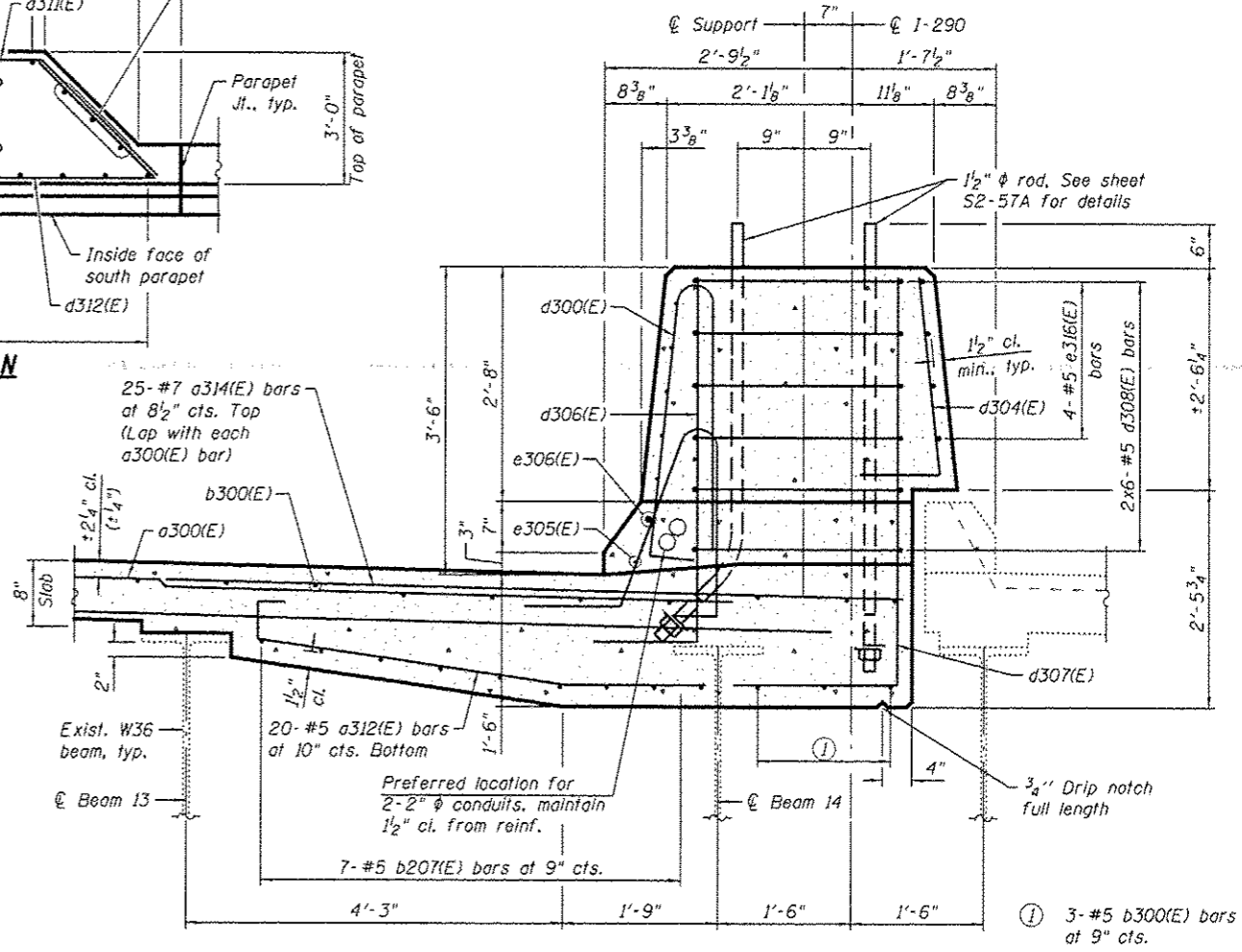
OH SIGN STRUCTURE PEDESTAL PLAN SOUTH PARAPET



OH SIGN STRUCTURE PEDESTAL PLAN NORTH PARAPET (Looking North)



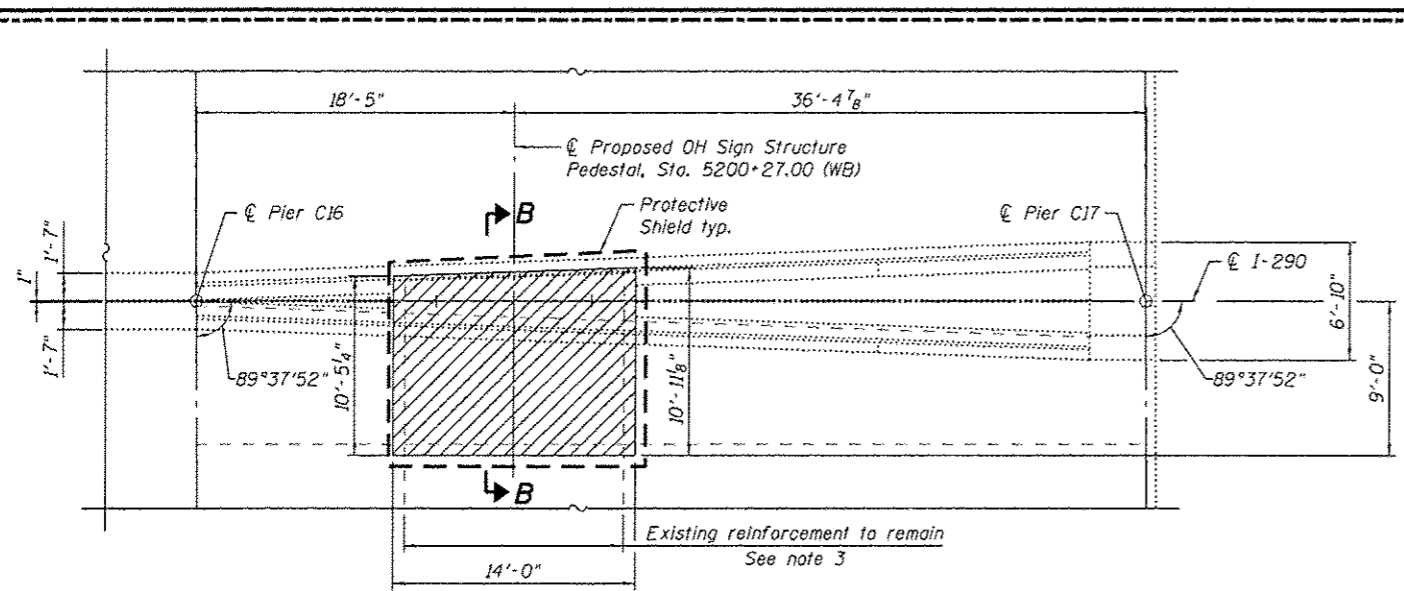
SECTION B-B



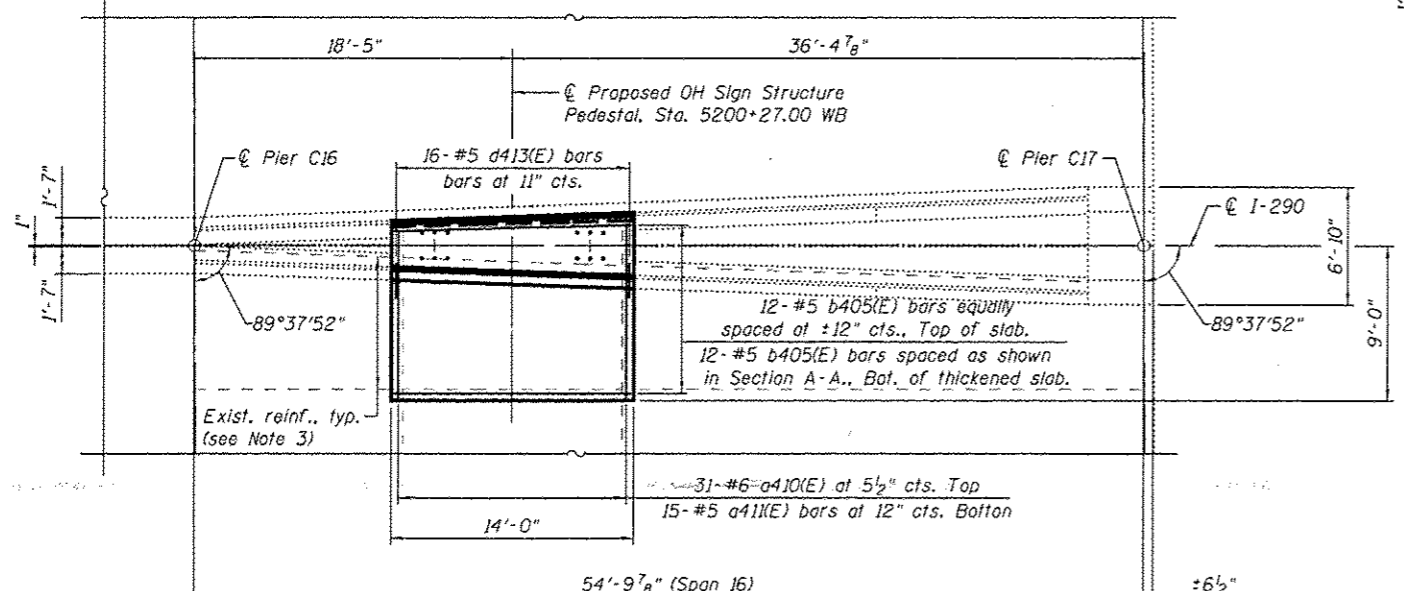
SECTION C-C

01E0461-60X78-5063.A-DET.dgn

PARSONS BRINCKERHOFF	USER NAME = potald	DESIGNED = ---	REVISED = 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK DETAILS VI - UNIT III STRUCTURE NO. 016-0461	F.A.T. RTE. = 90/94/290	SECTION = 2014-004 R&B (WB)	COUNTY = COOK	TOTAL SHEETS = 706	SHEET NO. = 340A
	PLOT SCALE = N.T.S.	DRAWN = DCP	REVISED = ---			CONTRACT NO. = 60X78	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 5/16/2016	CHECKED = JIG	REVISED = ---							
						SHEET NO. S2-63A OF S2-145 SHEETS				



REMOVAL PLAN



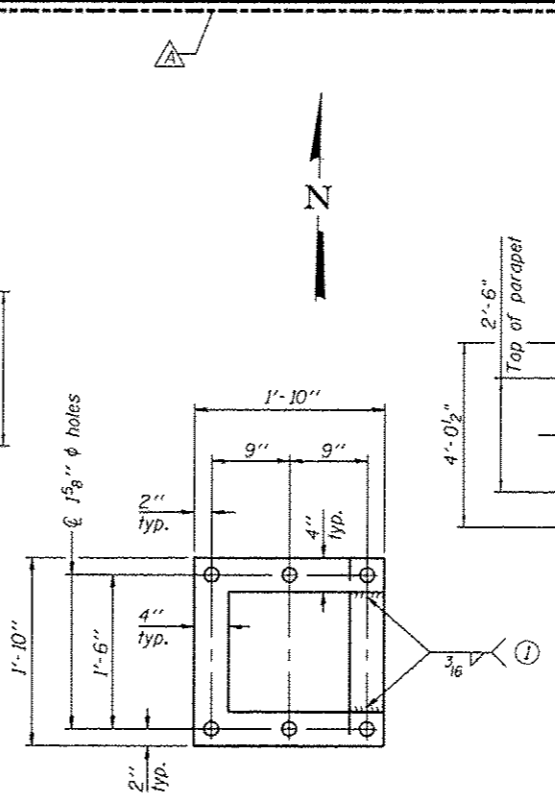
DECK PLAN

BILL OF MATERIAL

Item	Unit	Quantity
Concrete Removal	Cu. Yd.	8.3
Protective Shield	Sq. Yd.	32

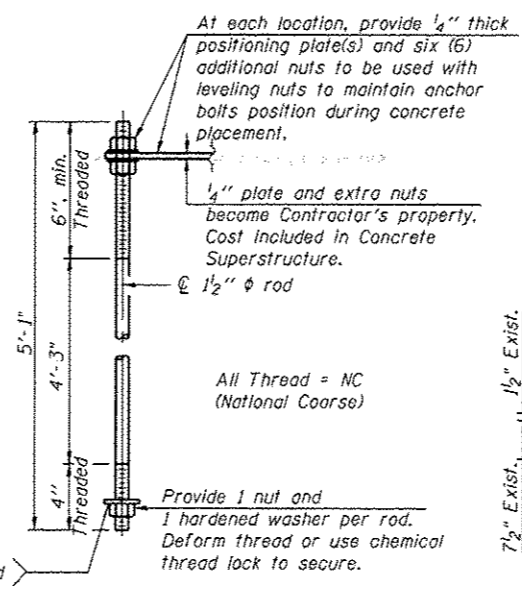
Notes:

- See sheet S2-67B, for Section A-A, superstructure details and Bill of Material.
- For sign structure, see Civil Plans.
- Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Removal of Existing Concrete Deck. Any existing reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of Removal of Existing Concrete Deck.



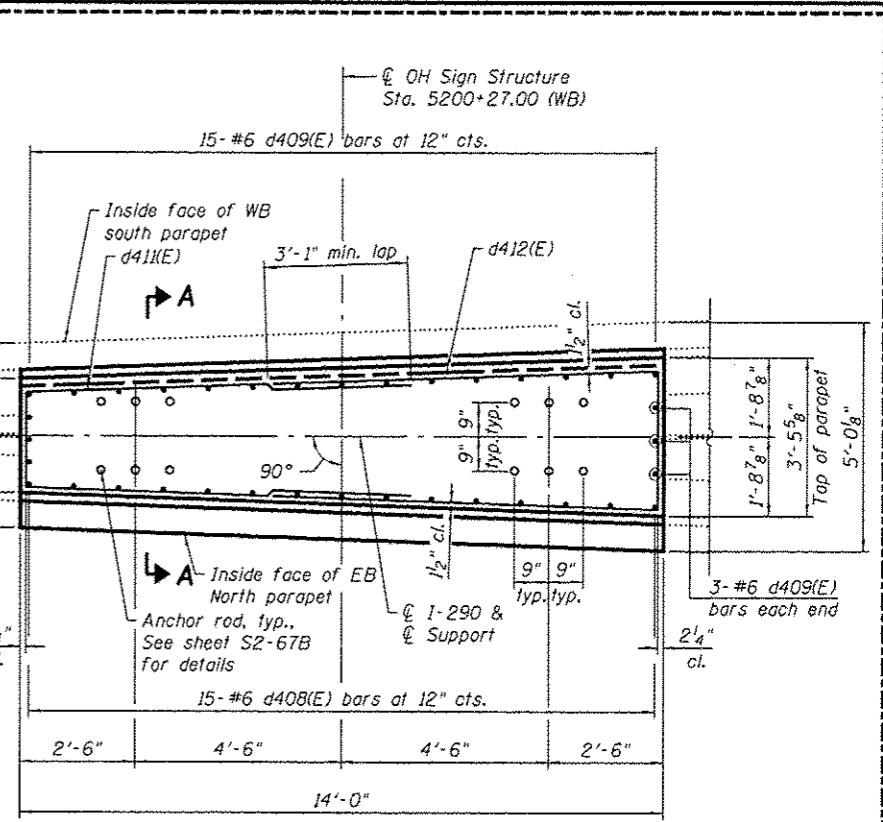
POSITIONING PLATE(S)

- Optionally may use four (4) separate bars. Weld to maintain perpendicularity.

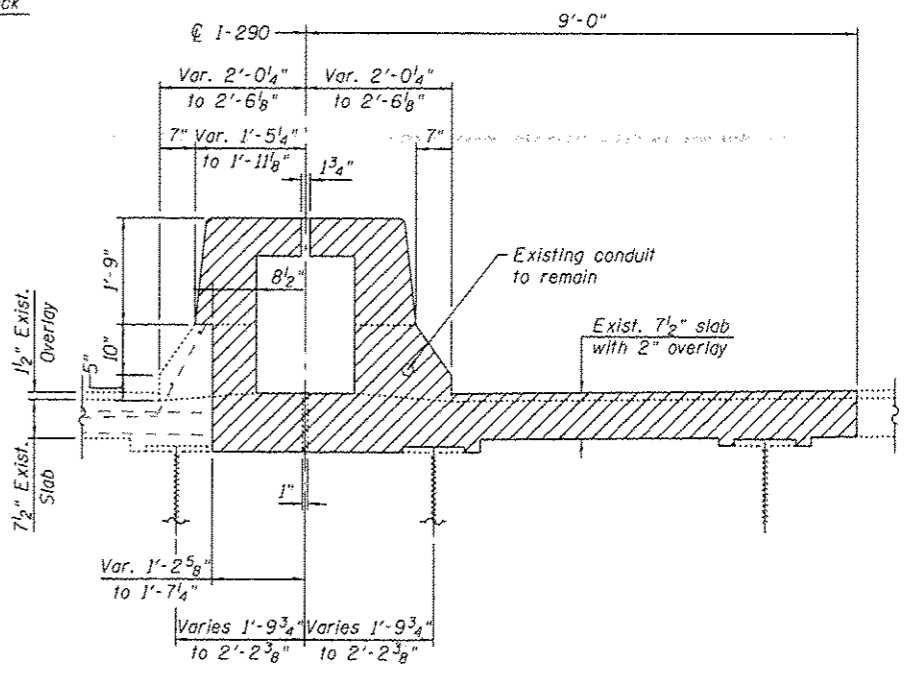


ANCHOR ROD DETAIL

(12 Straight Rods Req'd)
Anchor rods shall conform to ASTM F1554 Grade 105 Galvanize upper 12" minimum per AASHTO M232. No welding shall be permitted on rods.
Cost included with Concrete Superstructure.



OH SIGN STRUCTURE PEDESTAL PLAN



SECTION B-B

0160461-60X78-S067A-DET.dgn

PARSONS BRINCKERHOFF

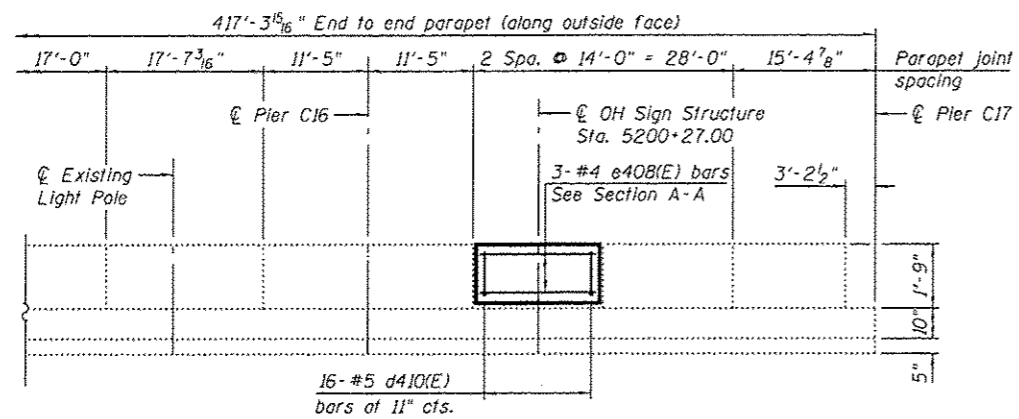
USER NAME - doteld	DESIGNED - ILJ	REVISED - 4/27/2016 JIG
PLOT SCALE - N.T.S.	CHECKED - JIG	REVISED -
PLOT DATE - 5/16/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

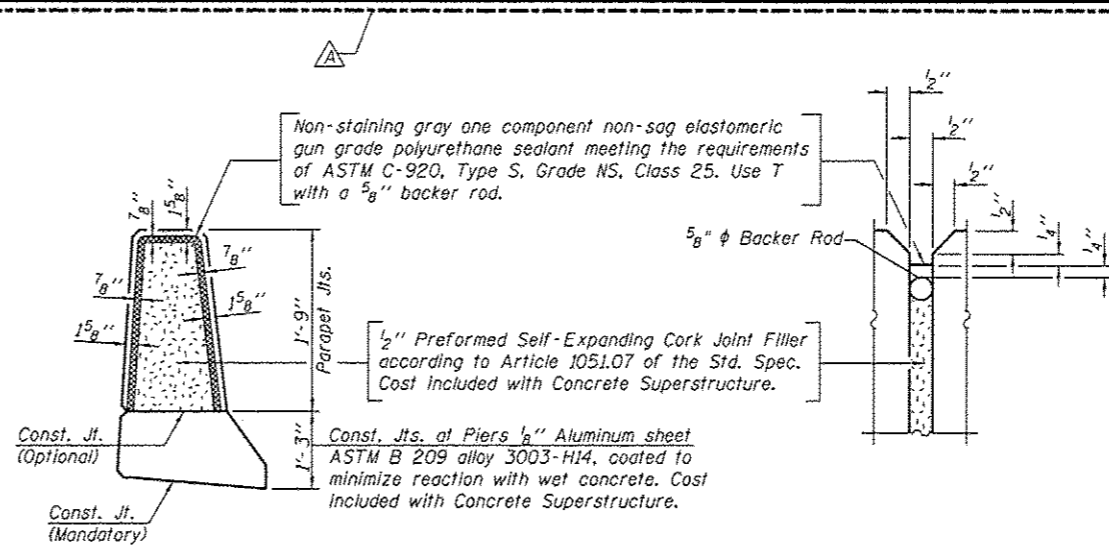
DECK PLAN - UNIT IV
STRUCTURE NO. 016-0461

SHEET NO. S2-67A OF S2-145 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 344A
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



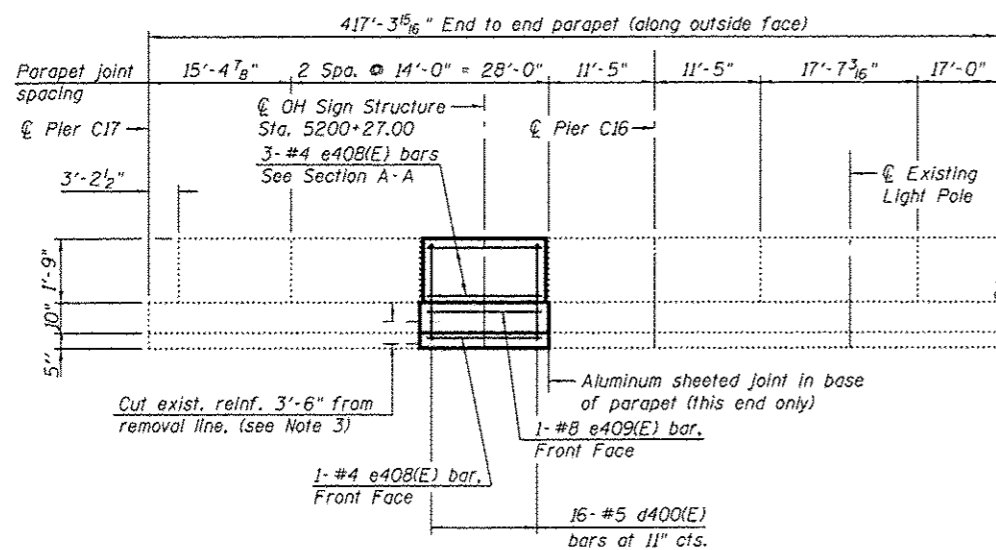
INSIDE ELEVATION OF WB MEDIAN SOUTH PARAPET



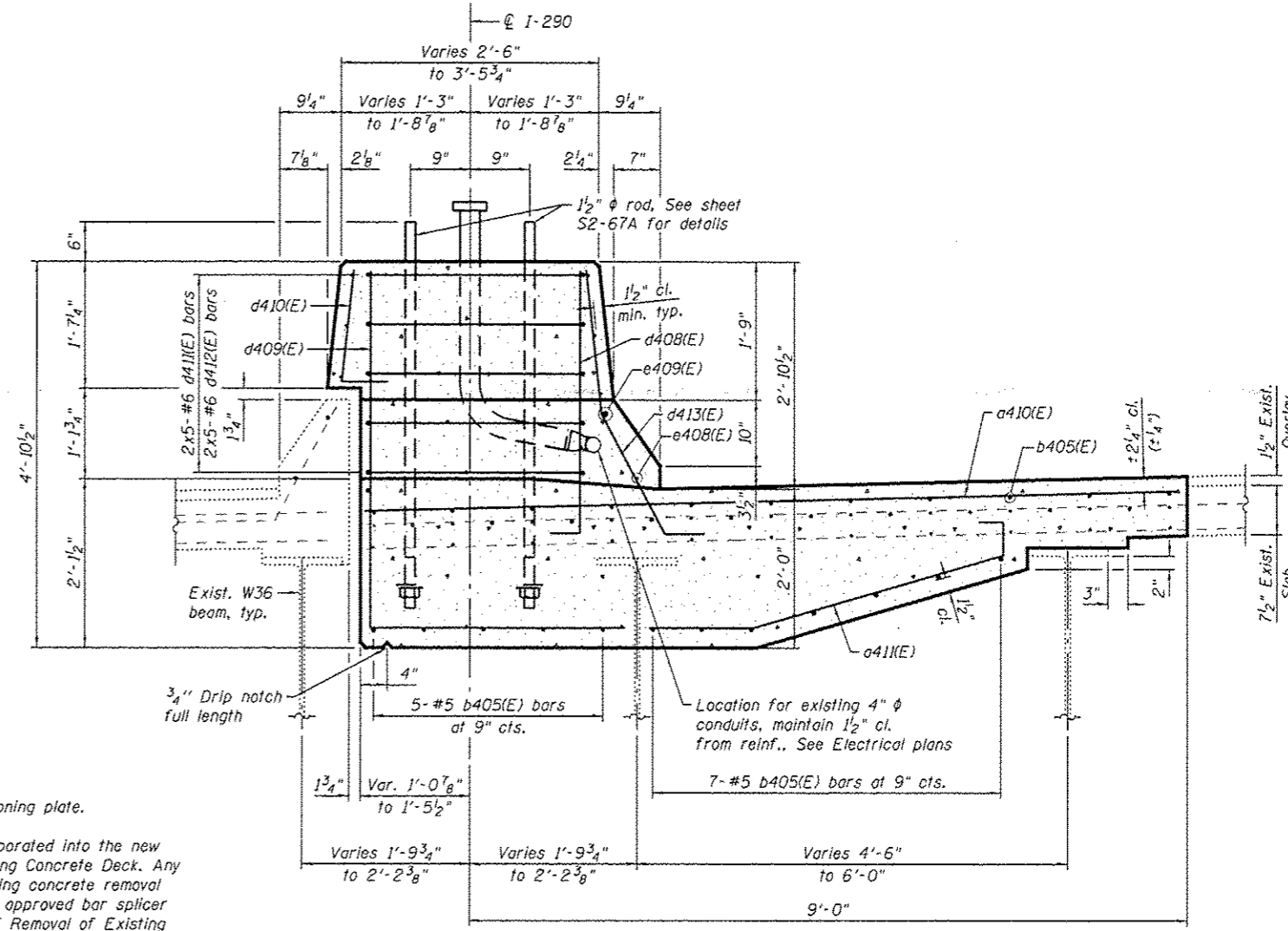
PARAPET JOINT DETAILS

**SUPERSTRUCTURE
BILL OF MATERIAL**

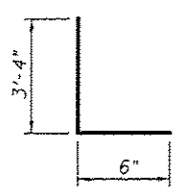
Bar	No.	Size	Length	Shape
a410(E)	31	#7	10'-1"	—
a411(E)	15	#5	6'-1"	—
b405(E)	24	#5	13'-9"	—
d408(E)	15	#6	3'-10"	—
d409(E)	21	#6	7'-9"	—
d410(E)	15	#5	2'-4"	—
d411(E)	5	#5	18'-10"	—
d412(E)	5	#5	19'-8"	—
d413(E)	15	#6	4'-7"	—
e408(E)	7	#4	13'-8"	—
e409(E)	1	#8	13'-8"	—
Reinforcement Bars, Epoxy Coated			Pound	1,860
Concrete Superstructure			Cu. Yds.	14.0
Protective Coat			Sq. Yd.	12
Bridge Deck Grooving			Sq. Yd.	9



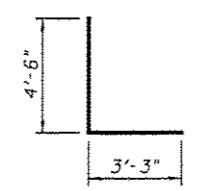
INSIDE ELEVATION OF EB MEDIAN NORTH PARAPET



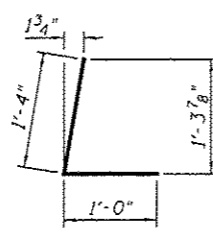
SECTION A-A



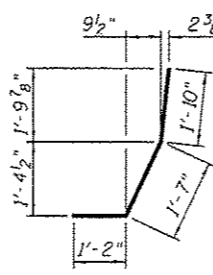
BAR d408(E)



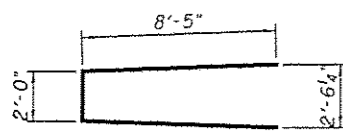
BAR d409(E)



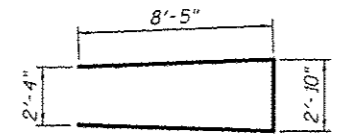
BAR d410(E)



BAR d413(E)



BAR d411(E)



BAR d412(E)

- Notes:**
- See sheet S2-67A, for Anchor Bolt detail, Positioning plate.
 - For sign structure, see Civil Plans.
 - Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Removal of Existing Concrete Deck. Any existing reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in the cost of Removal of Existing concrete Deck.

**PARSONS
BRINCKERHOFF**

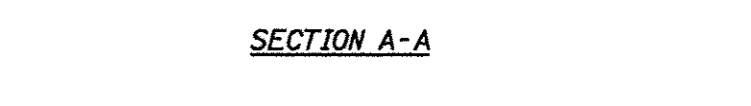
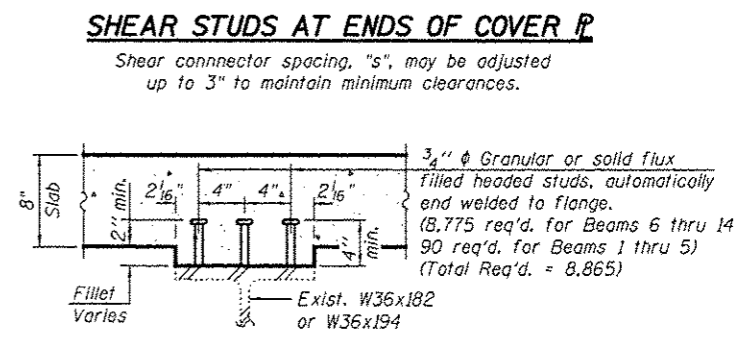
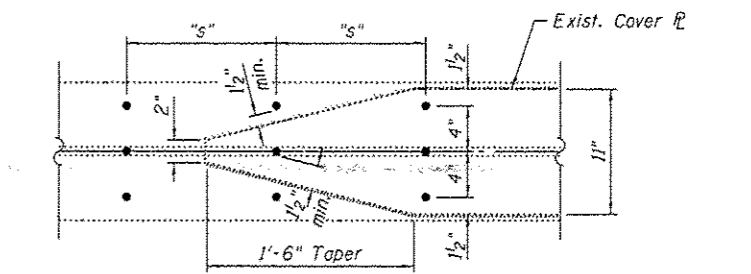
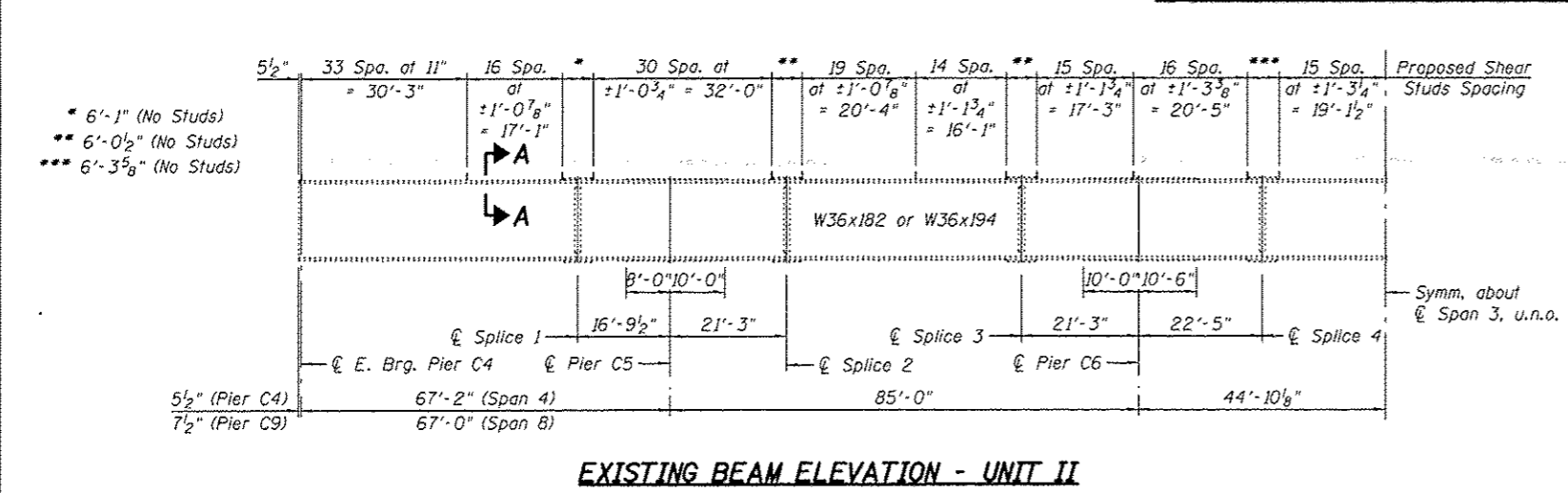
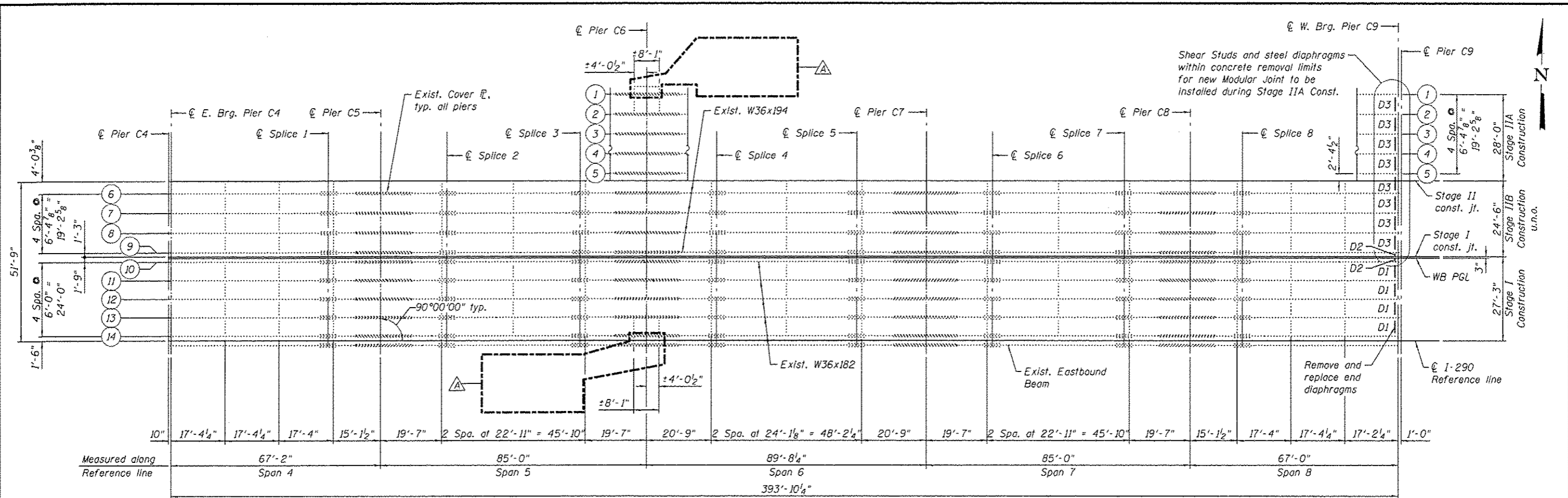
USER NAME - pgrfoid	DESIGNED - IJL	REVISED - 4/27/2016 JIG
CHECKED - JIG	REVISIONS -	
FLUT SCALE - N.T.S.	DRAWN - DCP	REVISIONS -
PLOT DATE - 5/16/2016	CHECKED - JIG	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK DETAILS - UNIT IV
STRUCTURE NO. 016-0461**

SHEET NO. 52-67B OF 52-145 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 344B
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	



Notes:
 For top of existing beam elevations and notes and tables, see sheet S2-88.
 For diaphragm replacement details, see sheet S2-93.


0160461-60X78-S087-FRM.dgn

PARSONS BRINCKERHOFF	USER NAME • pdr@ig	DESIGNED - IJL	REVISED - Δ 4/27/2016 JIG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FRAMING PLAN - UNIT II STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE • N.T.S.	CHECKED - P.J.L	REVISED -			80/94/290	2014-004 R&B (WB)	COOK	706	364	
	PLOT DATE • 5/16/2016	DRAWN - IJL	REVISED -			CONTRACT NO. 60X78					
		CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT					

SHEET INTENTIONALLY LEFT BLANK

0160461-60X78-5089-DET.dgn

**PARSONS
BRINCKERHOFF**

USER NAME * potold	DESIGNED - P.JL	REVISED -  4/27/2016 JIG
	CHECKED - JIG	REVISED -
PLOT SCALE * N.T.S.	DRAWN - P.JL	REVISED -
PLOT DATE * 5/16/2016	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE STEEL DETAILS II - UNIT II
STRUCTURE NO. 016-0461

SHEET NO. S2-89 OF S2-145 SHEETS

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80/94/290	2014-004 R&B (WB)	COOK	706	366
				CONTRACT NO. 60X78
ILLINOIS FED. AID PROJECT				