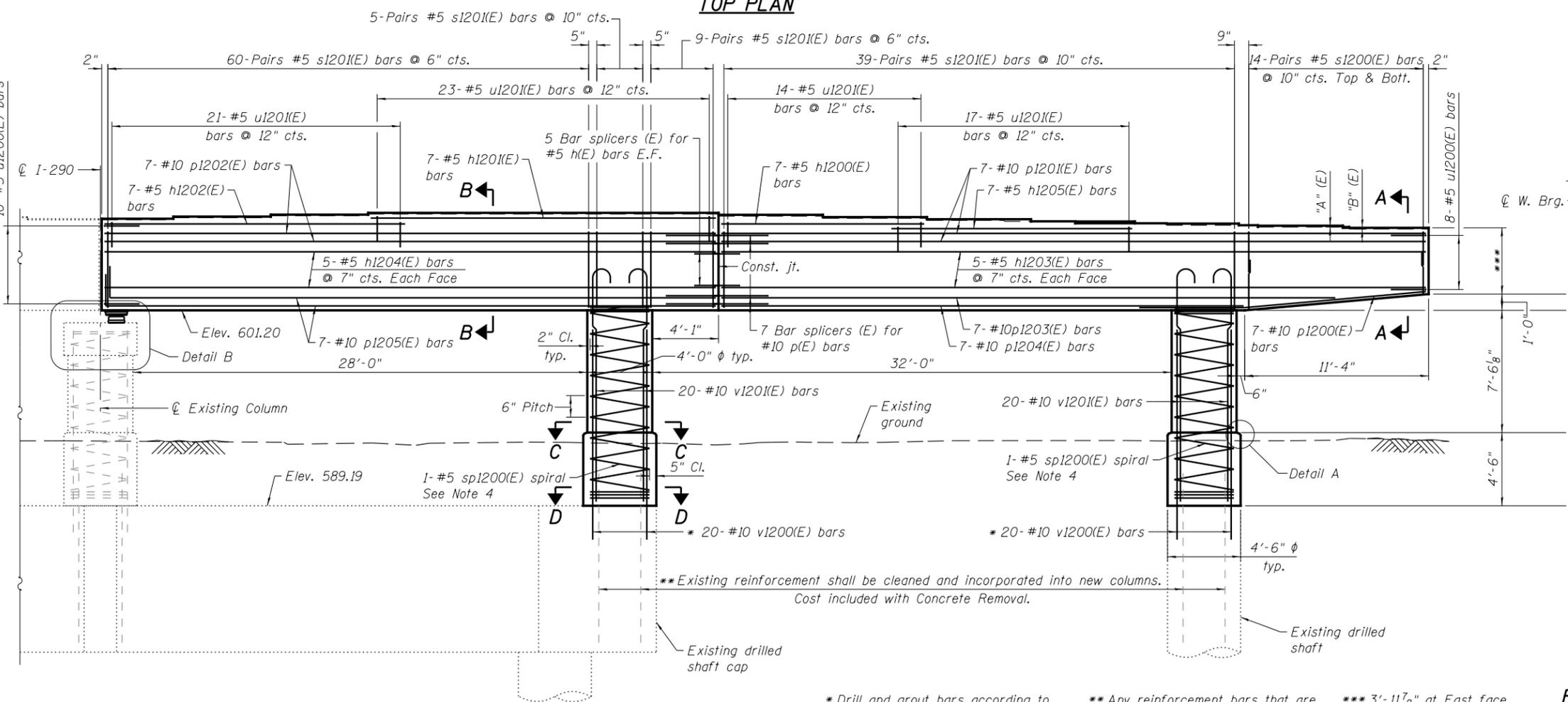
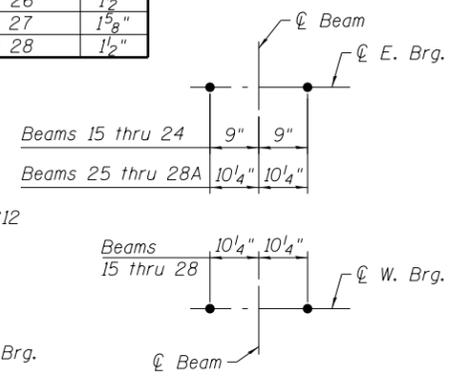


BEARING SEAT STEP HEIGHTS		TOP OF SEAT ELEVATION	
E. Seat Step	"A"	Beam No.	E. Seat Elevation
15 to 16	1 3/8"	15	606.75
16 to 17	1 1/2"	16	606.87
17 to 18/19/20/21	1 1/4"	17	607.00
21 to 22	1 3/8"	18	607.10
22 to 23	1 5/8"	19	607.10
23 to 24	1 1/2"	20	607.10
24 to 25	3/4"	21	607.10
25 to 26	1 3/8"	22	606.98
26 to 27	1 3/8"	23	606.84
27 to 28	1 1/4"	24	606.71
28 to 28A	1 3/8"	25	606.66
W. Seat Step	"B"	26	606.54
15 to 16	1 3/8"	27	606.42
16 to 17	1 1/2"	28	606.31
17 to 18/19/20/21	1 1/4"	28A	606.19
21 to 22	1 3/8"		
22 to 23	1 5/8"		
23 to 24	1 1/2"		
24 to 25	1 1/2"		
25 to 26	1 1/2"		
26 to 27	1 5/8"		
27 to 28	1 1/2"		

TOP PLAN



ELEVATION
(Looking East)



ANCHOR BOLT LAYOUT

MINIMUM BAR LAP

#5 bar = 3'-3"
#10 bar = 10'-10"

- Notes:
- Space reinforcement in cap to miss anchor bolts.
 - Pour steps monolithically with cap.
 - For Sections A-A, B-B, C-C, D-D & E-E and Details A & B, see sheet S2-110.
 - sp1200(E) spiral,
 - Provide 1/2 extra turns, shop welded together per AWS D1.4 top and bottom. Extend spiral 2" into pier cap or column cap. Provide 4-#4 spacers or equivalent.
 - When splicing spiral reinforcement is necessary, the spiral shall be provided with 1/2 extra turns at the ends to be spliced. These additional turns shall either be welded together according to AWS D1.4 or shall both terminate with a 135° standard hook.
 - Apply concrete sealer to all exposed concrete surfaces of the pier.

END VIEW

* Drill and grout bars according to Article 584 of the Std. Specs., with a minimum embedment of 2'-1". Cost included in the cost of Reinforcement Bars, Epoxy Coated.

** Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system at Contractor expense.

*** 3'-11 7/8" at East face
4'-0 5/8" at West face

0160461-60X75-5109-PC12.dgn

PARSONS BRINCKERHOFF

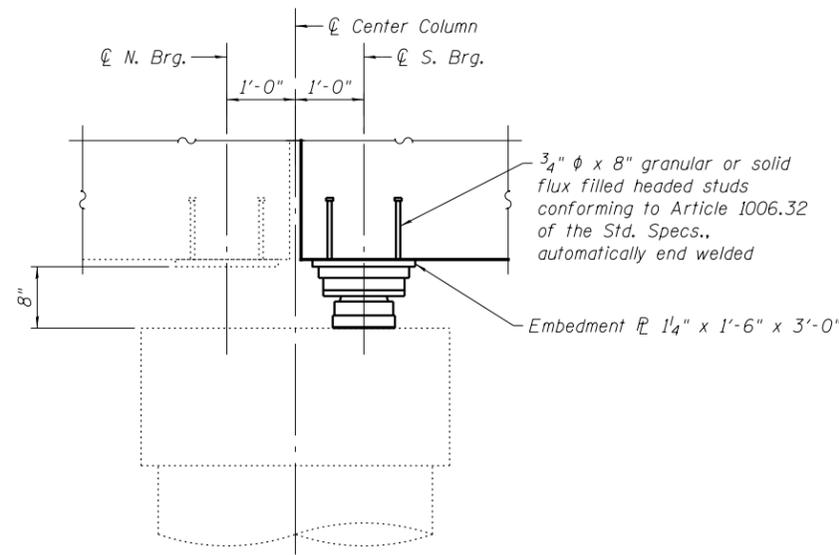
USER NAME = pateld	DESIGNED - P.J.L.	REVISED -
PLLOT SCALE = N.T.S.	CHECKED - WAH	REVISED -
PLLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER C12
STRUCTURE NO. 016-0461

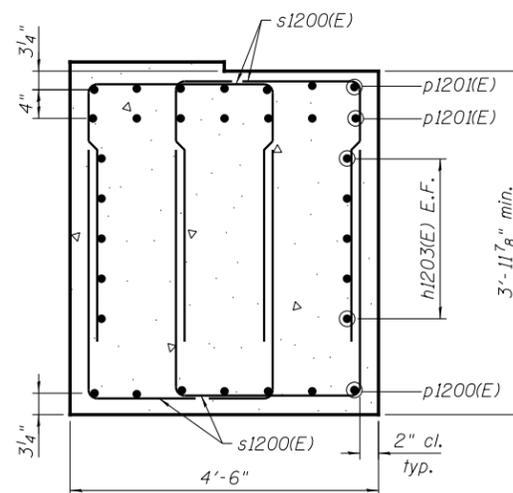
SHEET NO. S2-109 OF S2-137 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 401
CONTRACT NO. 60X75				ILLINOIS FED. AID PROJECT

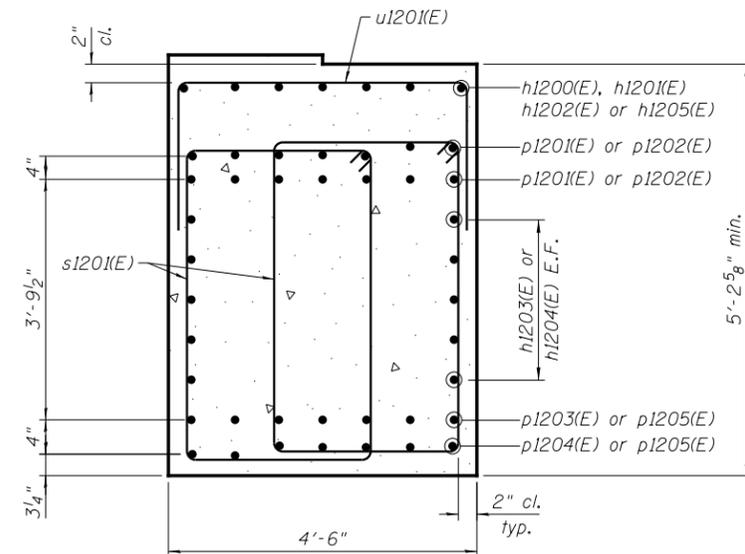


DETAIL B

Pier cap reinforcement not shown for clarity



SECTION A-A

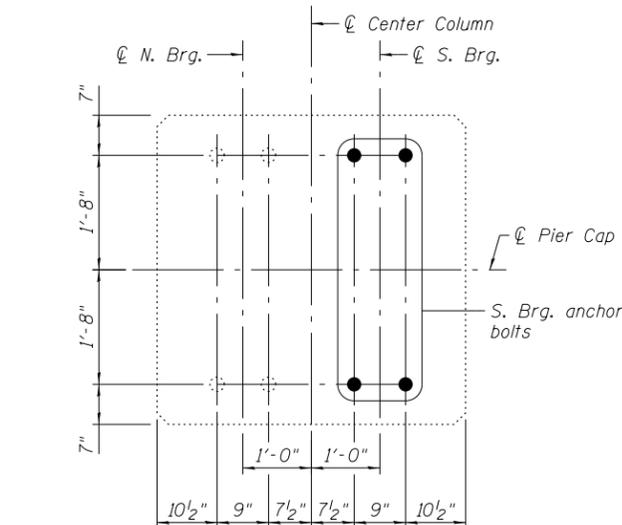


SECTION B-B

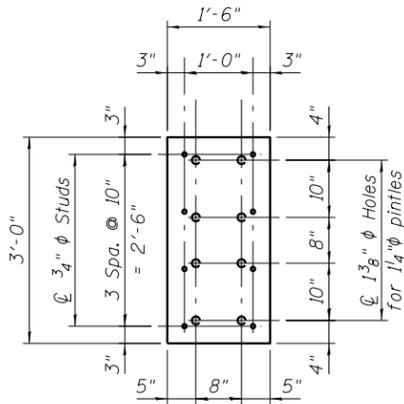
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1200(E)	7	#5	12'-6"	—
h1201(E)	7	#5	21'-3"	—
h1202(E)	7	#5	20'-0"	—
h1203(E)	10	#5	43'-5"	—
h1204(E)	10	#5	37'-8"	—
h1205(E)	7	#5	16'-8"	—
p1200(E)	7	#10	22'-1"	—
p1201(E)	14	#10	43'-5"	—
p1202(E)	14	#10	37'-9"	—
p1203(E)	7	#10	38'-0"	—
p1204(E)	7	#10	32'-6"	—
p1205(E)	14	#10	39'-7"	—
s1200(E)	56	#5	9'-7"	□
s1201(E)	226	#5	15'-9"	□
* sp1200(E)	2	#5	12'-2"	WWW
u1200(E)	18	#5	11'-0"	□
u1201(E)	75	#5	8'-6"	□
v1200(E)	40	#10	13'-3"	—
v1201(E)	40	#10	15'-5"	—
Structure Excavation		Cu. Yd.	26	
Concrete Structures		Cu. Yd.	88.6	
Reinforcement Bars, Epoxy Coated		Pound	21,830	
Concrete Sealer		Sq. Ft.	1,987	

* Length is height of spiral

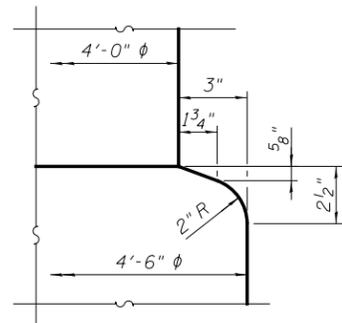


ANCHOR BOLT LAYOUT AT NESTED BEARING

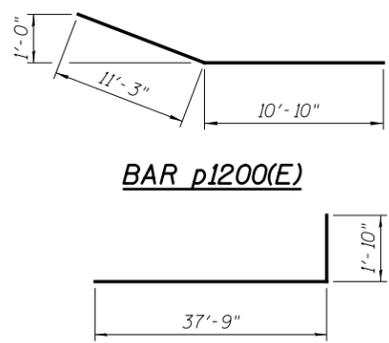


EMBEDMENT PLATE

Cost included with Concrete Structures. See sheet S2-99 for additional details.



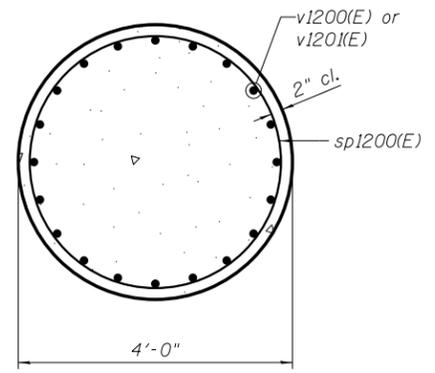
DETAIL A



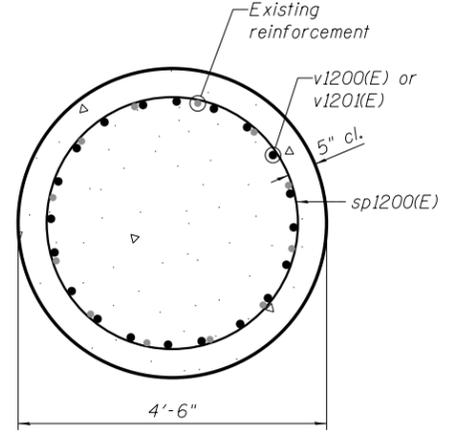
BAR p1200(E)

BAR p1205(E)

- Note:
1. Space reinforcement in column cap to miss anchor bolts.
 2. Bars equally spaced, unless otherwise noted.
 3. All edges shall have standard 3/4 inch chamfer, unless otherwise noted.
 4. Spirals are measured vertically.



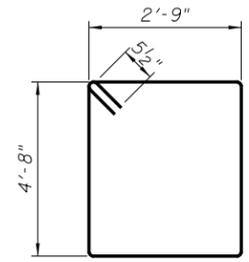
SECTION C-C



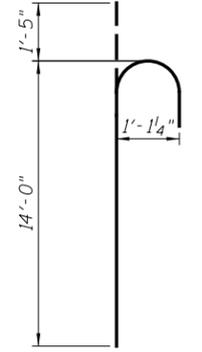
SECTION D-D

BARS A & B DIMENSIONS

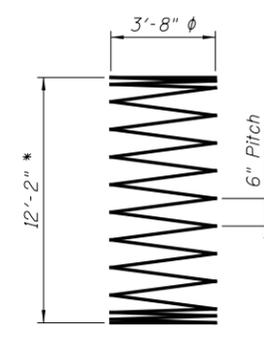
Bar	A	B
s1200(E)	3'-5"	2'-9"
u1200(E)	3'-6"	4'-0"
u1201(E)	2'-2"	4'-2"



BAR s1201(E)



BAR v1201(E)



BAR sp1200(E)

0160461-60X75-5110-PC12.dgn

PARSONS BRINCKERHOFF

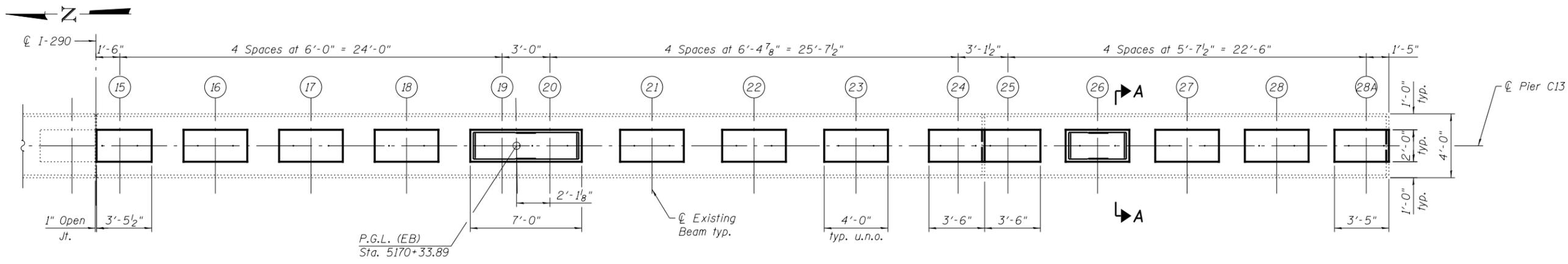
USER NAME = pateld	DESIGNED - P.J.L.	REVISED -
PLOT SCALE = N.T.S.	CHECKED - WAH	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

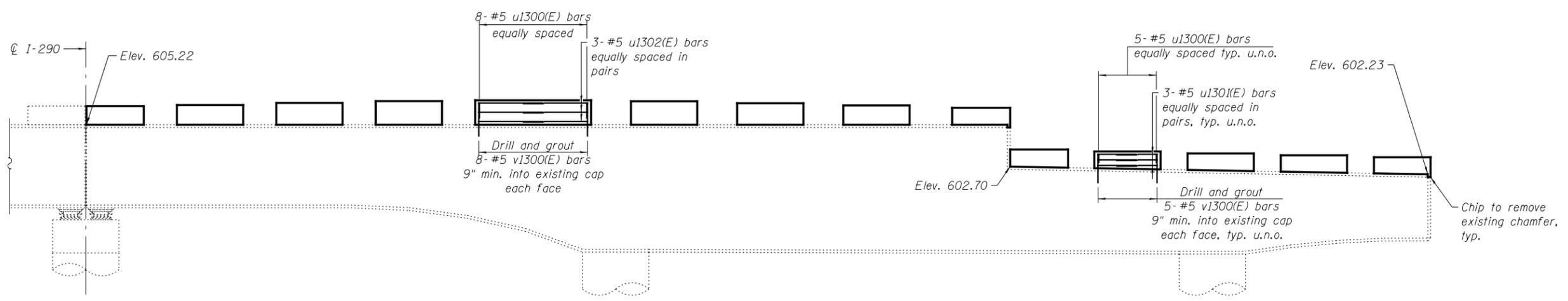
**PIER C12 DETAILS
STRUCTURE NO. 016-0461**

F.A.I. RTE. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 402
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	

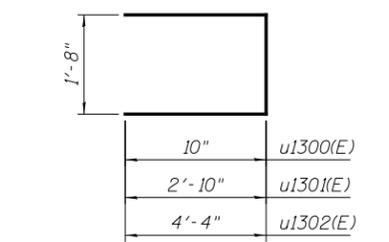
SHEET NO. S2-110 OF S2-137 SHEETS



PLAN



ELEVATION
(Looking East)



BARS u1300(E) TO u1302(E)

BILL OF MATERIAL

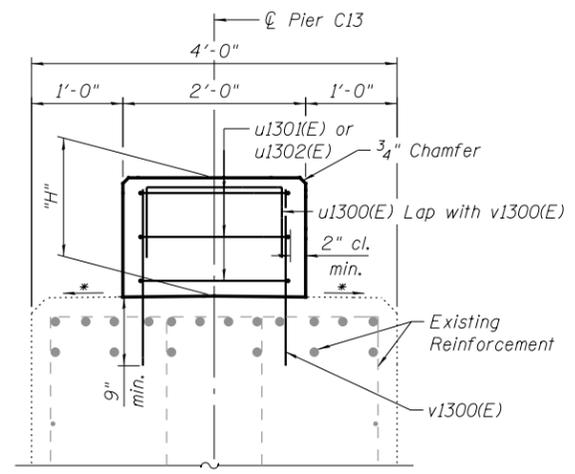
Bar	No.	Size	Length	Shape	
u1300(E)	73	#5	3'-4"		
u1301(E)	78	#5	7'-4"		
u1302(E)	6	#5	10'-4"		
v1300(E)	146	#5	2'-0"		
Reinforcement Bars, Epoxy Coated				Pound	980
Concrete Structures				Cu. Yd.	5.2

*** Cut bar in field to fit.

Notes:

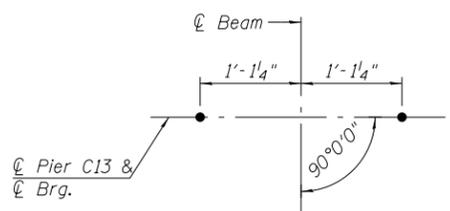
- Beam seat elevations and pedestal heights, "H", were determined based on data from existing plans. Prior to ordering any material, the Contractor shall verify in the field all beam seat heights and shim thickness dimensions. Space reinforcement in concrete pedestals to miss anchor bolts.
- Drilling and grouting of bars into existing pier cap and column shall be done in accordance with Article 584 of the Standard Specifications. Drilled and grouted bars shall maintain 5" clearance from an existing face of concrete and shall be installed such that they miss existing pier cap reinforcement. Cost included with Reinforcement Bars, Epoxy Coated.

*Match existing slope under pedestal.



SECTION A-A

(Anchor bolts not shown for clarity)



ANCHOR BOLT LAYOUT

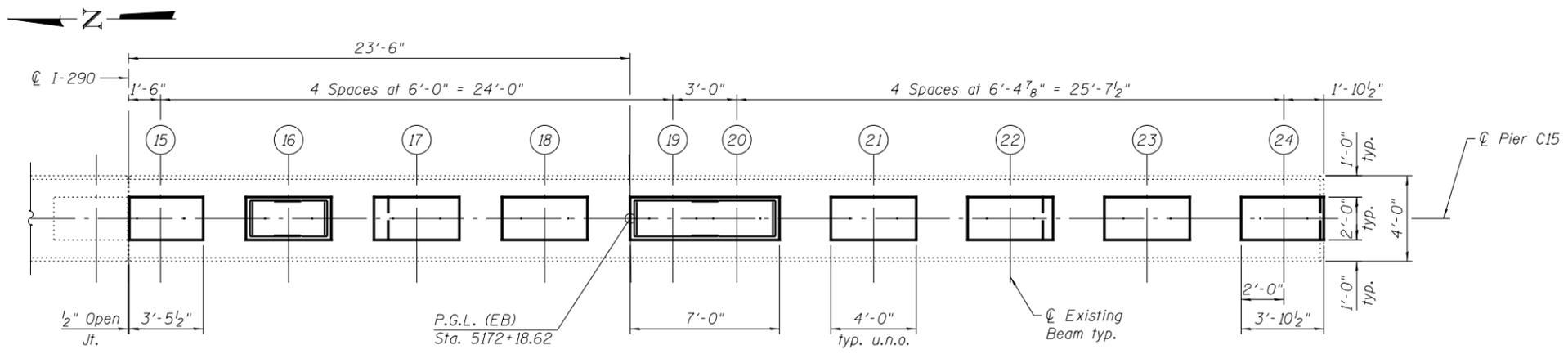
PEDESTAL HEIGHT, "H"

Beam	Pier C13
15	1'-1 3/8"
16	1'-2 1/8"
17	1'-3 5/8"
18	1'-5"
19	1'-5 5/8"
20	1'-5 5/8"
21	1'-4 1/8"
22	1'-3 1/2"
23	1'-1 1/8"
24	1'-0 1/4"
25	11 5/8"
26	11 5/8"
27	11 1/2"
28	11 3/8"
28A	11 1/4"

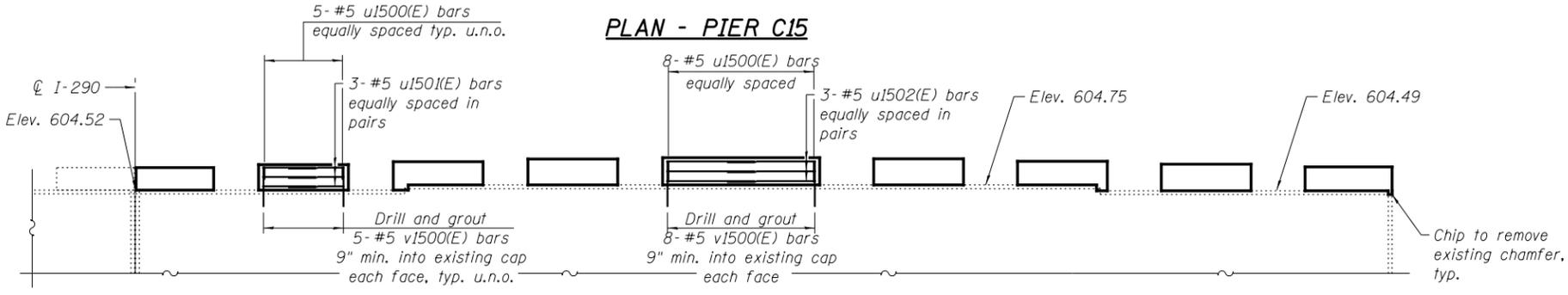
BEARING SEAT ELEVATION

Beam	Pier C13
15	606.34
16	606.40
17	606.53
18	606.64
19	606.69
20	606.69
21	606.63
22	606.51
23	606.38
24	606.24
25	603.66
26	603.54
27	603.42
28	603.31
28A	603.19

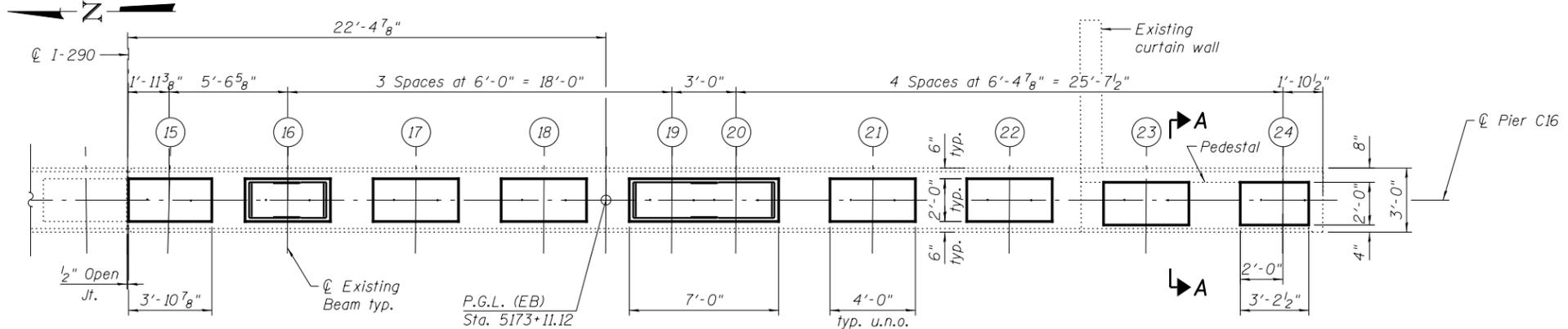
0160461-60X75-5111-PC.dgn



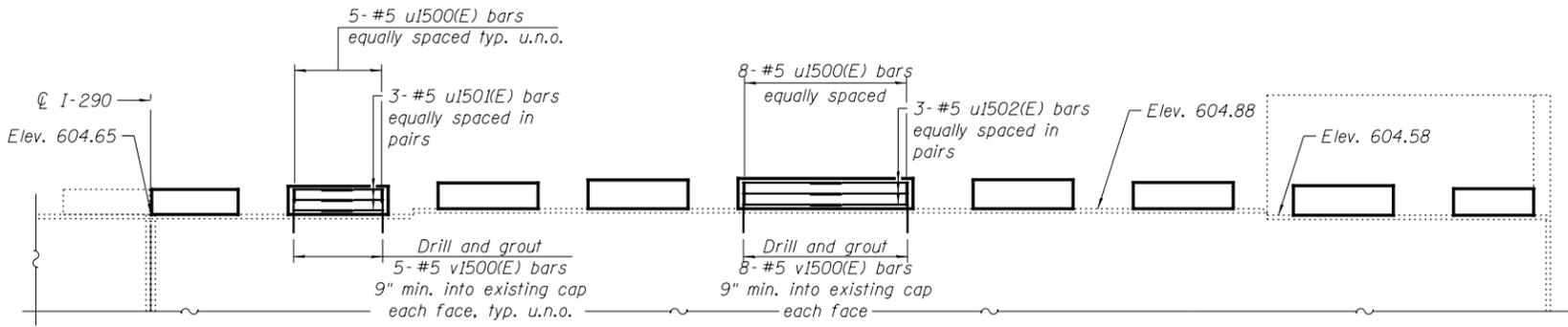
PLAN - PIER C15



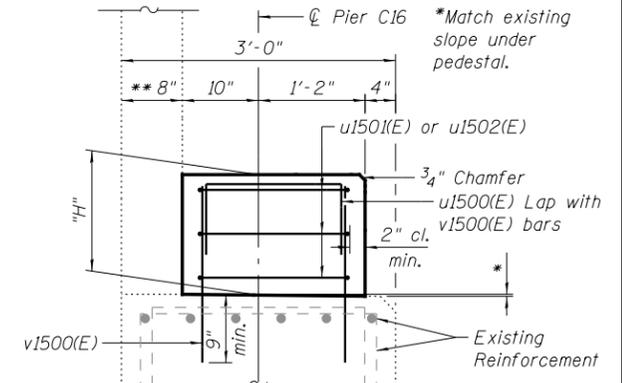
ELEVATION - PIER C15
(Looking East)



PLAN - PIER C16



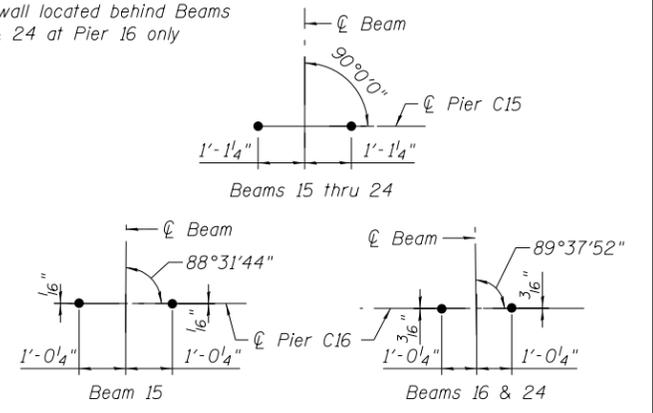
ELEVATION - PIER C16
(Looking East)



SECTION A-A

(Anchor bolts not shown for clarity)

** Backwall located behind Beams 23 & 24 at Pier 16 only



ANCHOR BOLT LAYOUT

BEAM SEAT ELEVATION

Beam	Pier C15	Pier C16
15	605.55	605.49
16	605.67	605.62
17	605.80	605.74
18	605.91	605.86
19	605.96	605.91
20	605.96	605.91
21	605.90	605.85
22	605.78	605.73
23	605.65	605.56
24	605.52	605.46

PEDESTAL HEIGHT, "H"

Beam	Pier C15	Pier C16
15	1'-0 ³ / ₈ "	10 ⁵ / ₈ "
16	1'-1 ¹ / ₈ "	11 ⁵ / ₈ "
17	1'-0 ⁵ / ₈ "	10 ³ / ₈ "
18	1'-1 ¹ / ₈ "	11 ³ / ₄ "
19	1'-2 ¹ / ₂ "	1'-0 ³ / ₈ "
20	1'-2 ¹ / ₂ "	1'-0 ³ / ₈ "
21	1'-1 ¹ / ₈ "	11 ⁵ / ₈ "
22	1'-0 ³ / ₈ "	10 ⁵ / ₈ "
23	1'-1 ¹ / ₈ "	11 ³ / ₄ "
24	1'-0 ¹ / ₄ "	10 ⁵ / ₈ "

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
u1500(E)	96	#5	3'-4"	U	
u1501(E)	96	#5	7'-4"	U	
u1502(E)	12	#5	10'-4"	U	
v1500(E)	192	#5	1'-9"	—	
Reinforcement Bars, Epoxy Coated				Pound	1,250
Concrete Structures				Cu. Yd.	5.9

**** Cut bar in field to fit.

Notes:

- Beam seat elevations and pedestal heights, "H", were determined based on data from existing plans. Prior to ordering any material, the Contractor shall verify in the field all beam seat heights and shim thickness dimensions. Space reinforcement in concrete pedestals to miss anchor bolts.
- Drilling and grouting of bars into existing pier cap and column shall be done in accordance with Article 584 of the Standard Specifications. Drilled and grouted bars shall maintain 5" clearance from an existing face of concrete and shall be installed such that they miss existing pier cap reinforcement. Cost included with Reinforcement Bars, Epoxy Coated.

BARS u1500(E) THRU u1502(E)

*** Cut bar in field to fit.

0160461-60X75-5112-PC.dgn

PARSONS BRINCKERHOFF

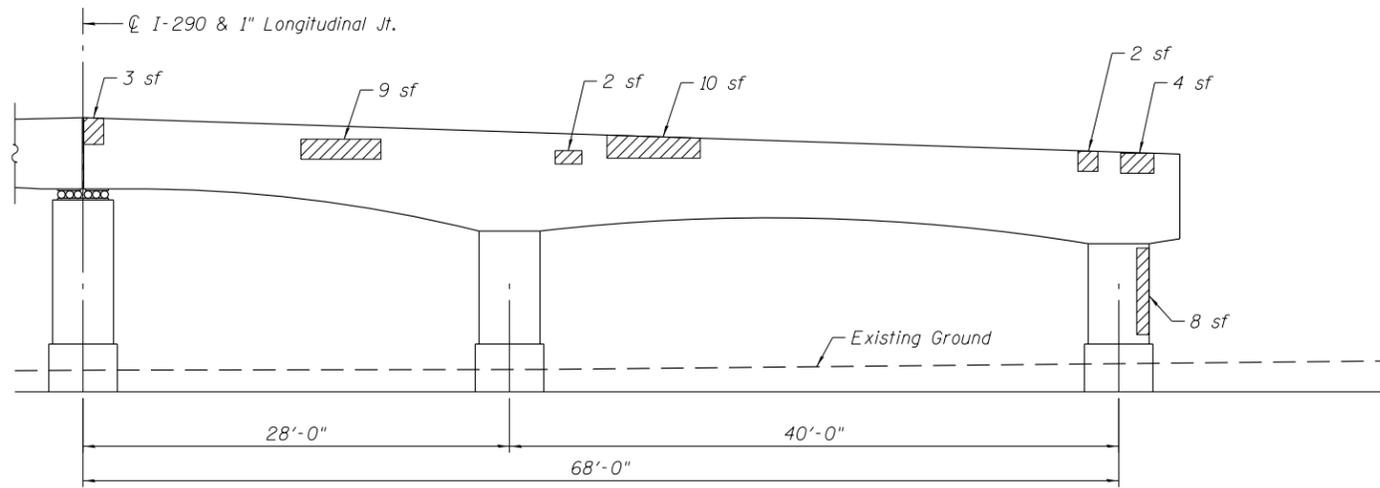
USER NAME = pateld	DESIGNED - JZ	REVISED -
PLLOT SCALE = N.T.S.	CHECKED - JZ	REVISED -
PLLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

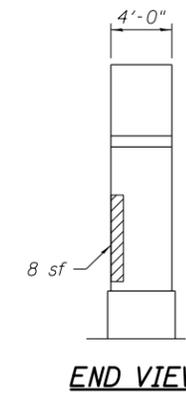
**PIERS C15 & C16 DETAILS
STRUCTURE NO. 016-0461**

SHEET NO. S2-112 OF S2-137 SHEETS

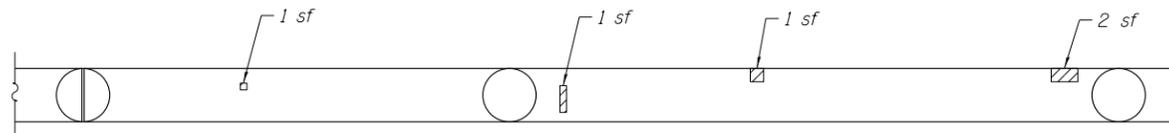
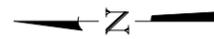
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	404
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	



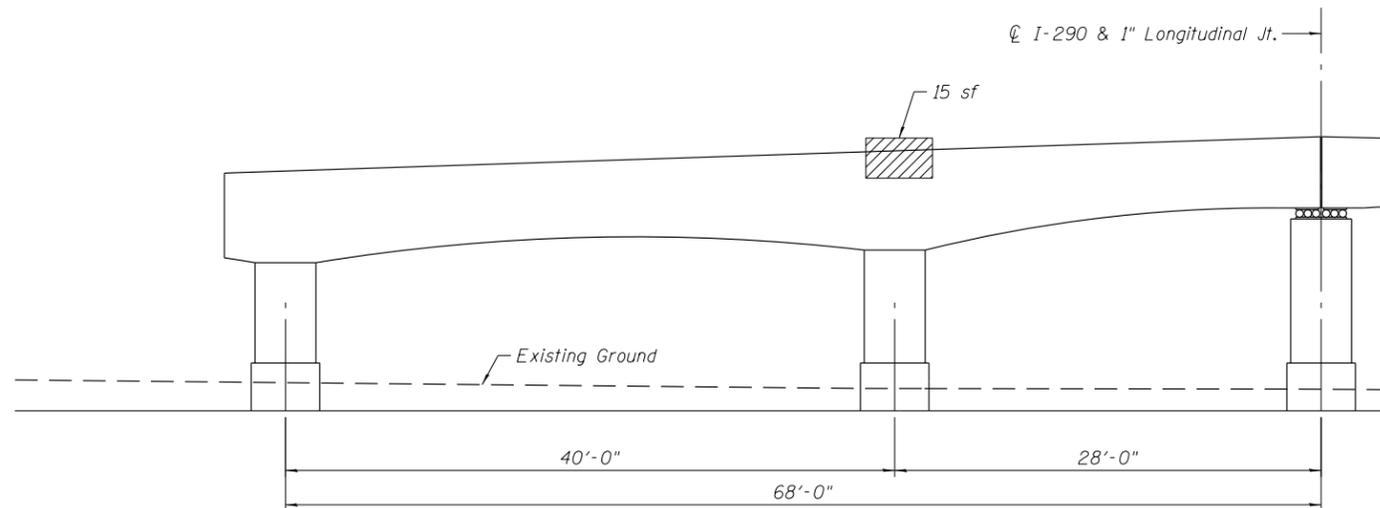
ELEVATION - PIER C2
(Looking East)



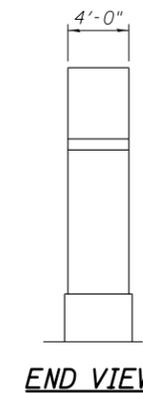
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C2
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	66

0160461-60X75-5113-PRR.dgn

**PARSONS
BRINCKERHOFF**

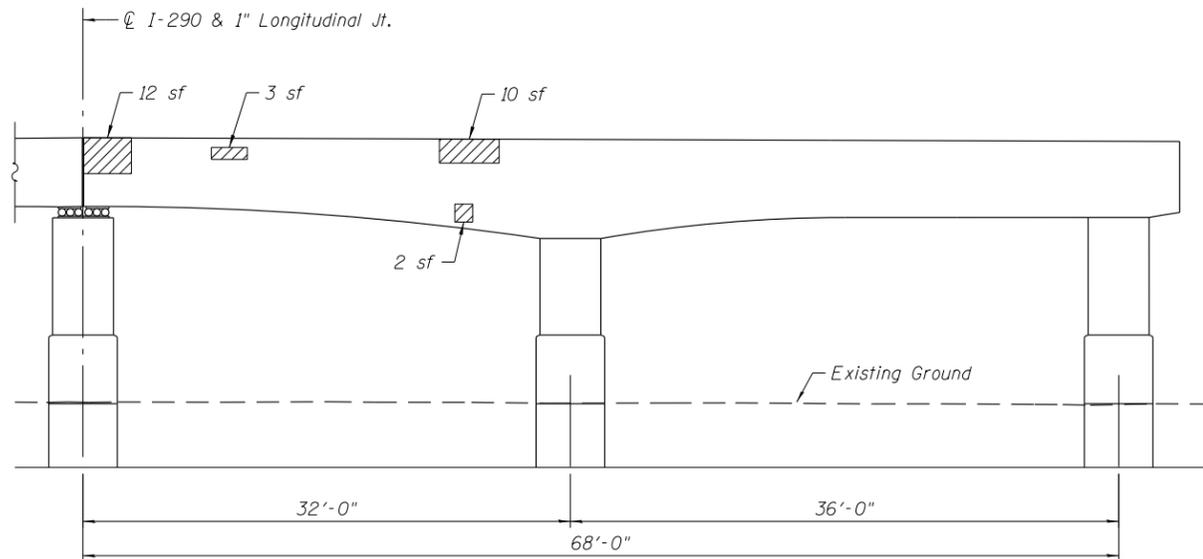
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

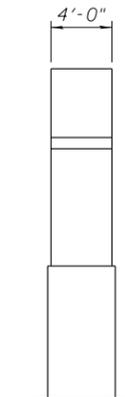
**PIER C2 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-113 OF S2-137 SHEETS

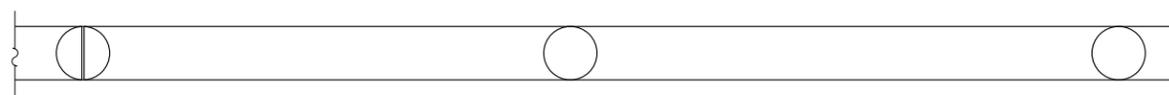
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	405
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



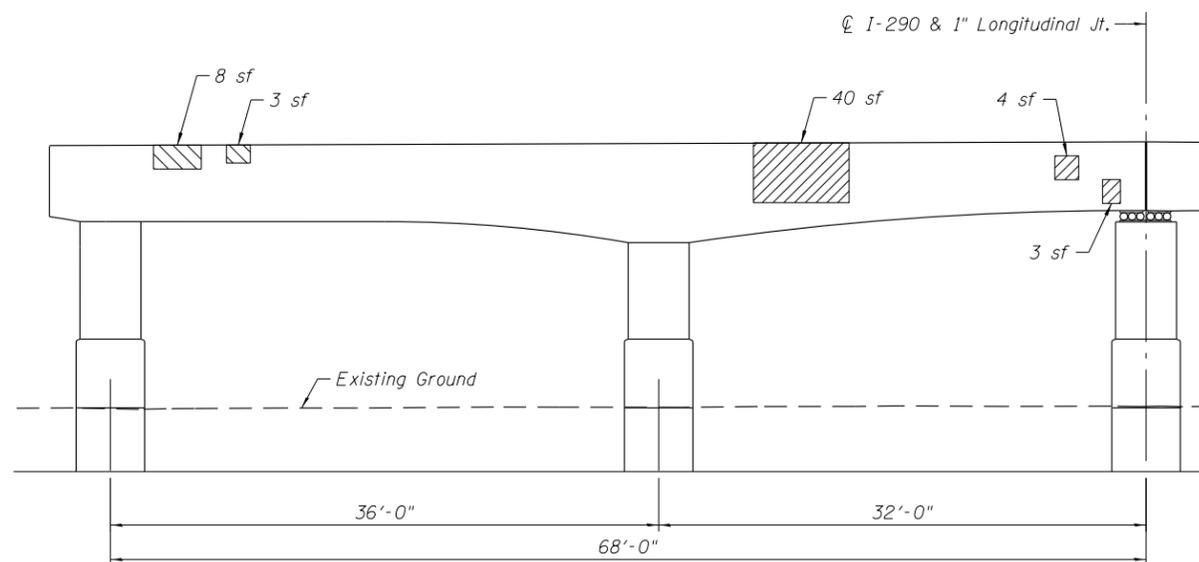
ELEVATION - PIER C3
(Looking East)



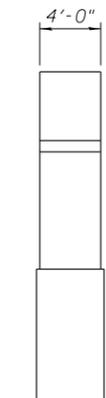
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C3
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	85

0160461-60X75-5114-PRR.dgn

**PARSONS
BRINCKERHOFF**

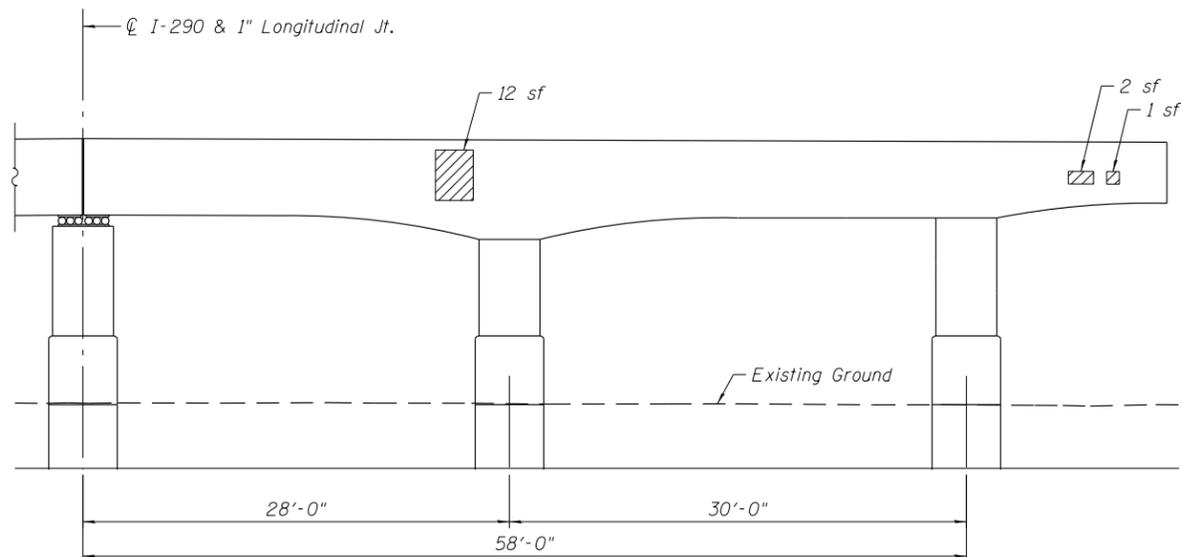
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

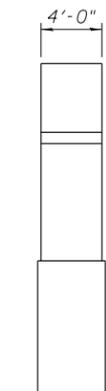
**PIER C3 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-114 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	406
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



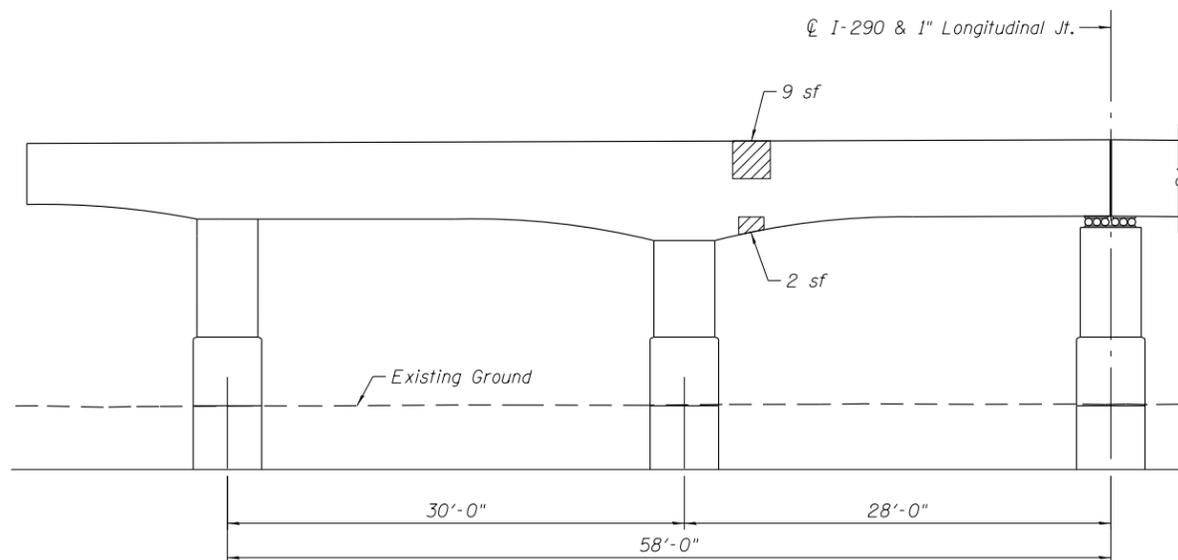
ELEVATION - PIER C5
(Looking East)



END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C5
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	27

0160461-60X75-5115-PRR.dgn

**PARSONS
BRINCKERHOFF**

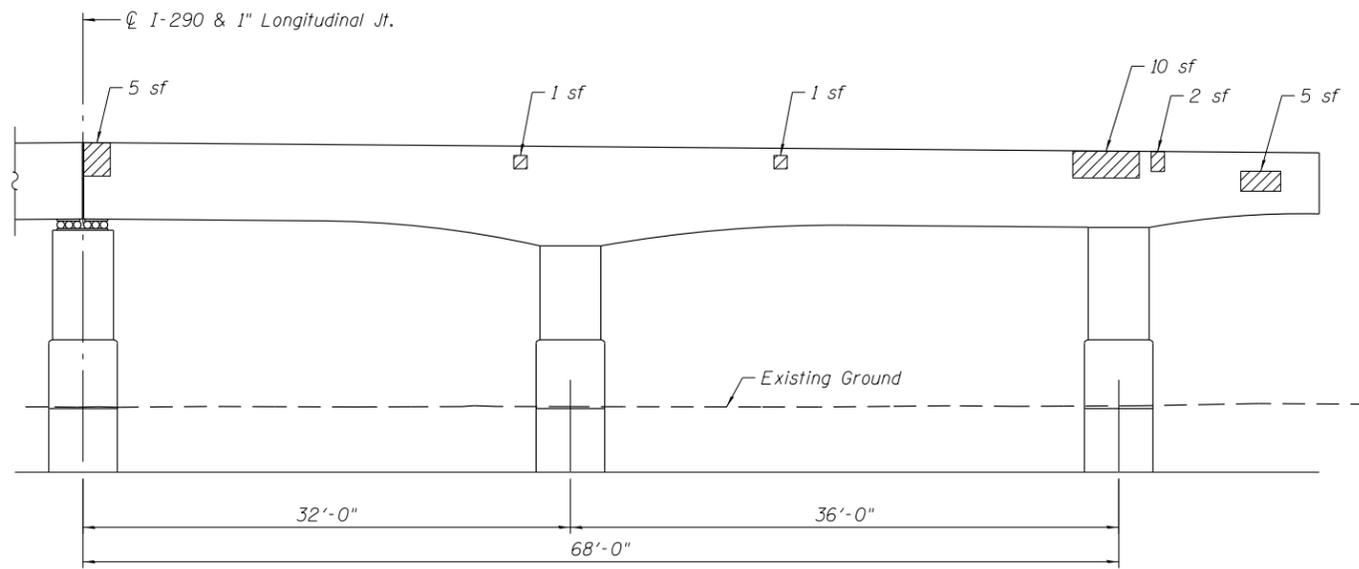
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

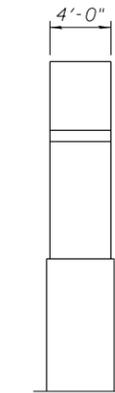
**PIER C5 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-115 OF S2-137 SHEETS

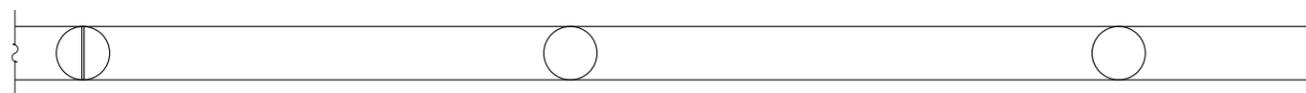
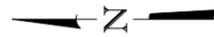
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	407
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



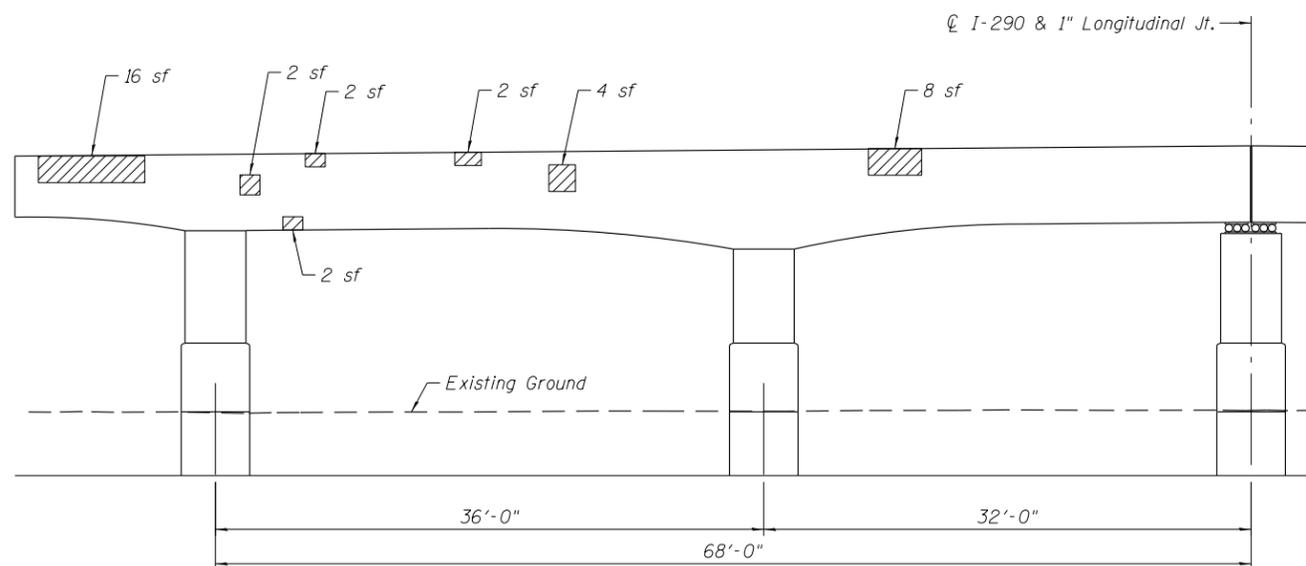
ELEVATION - PIER C6
(Looking East)



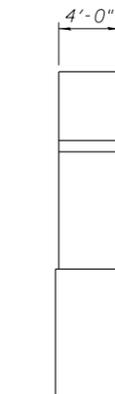
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C6
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	60

0160461-60X75-5116-PRR.dgn

**PARSONS
BRINCKERHOFF**

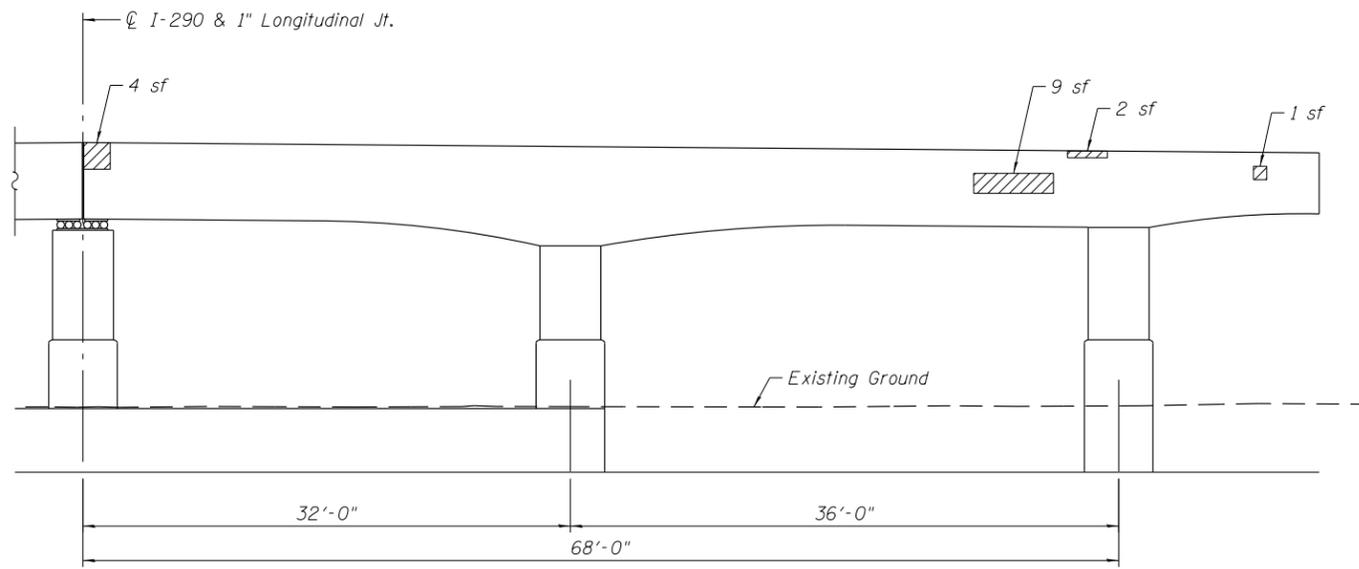
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

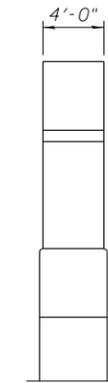
**PIER C6 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-116 OF S2-137 SHEETS

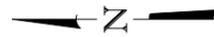
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	408
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



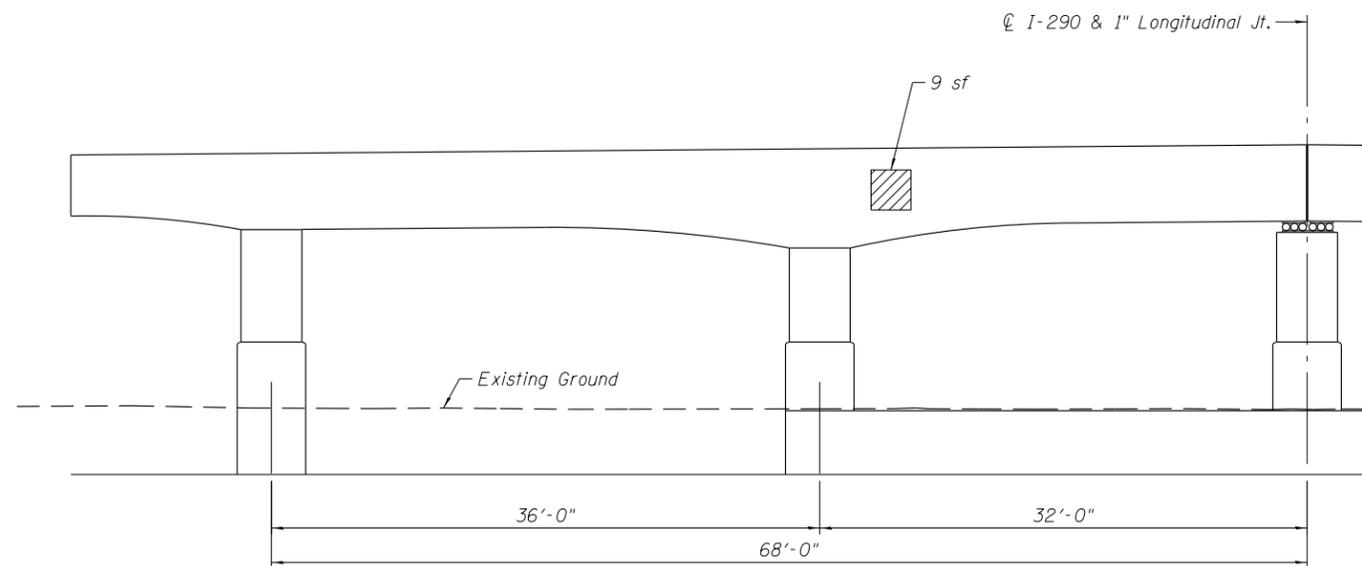
ELEVATION - PIER C7
(Looking East)



END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C7
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	25

0160461-60X75-5117-PRR.dgn

**PARSONS
BRINCKERHOFF**

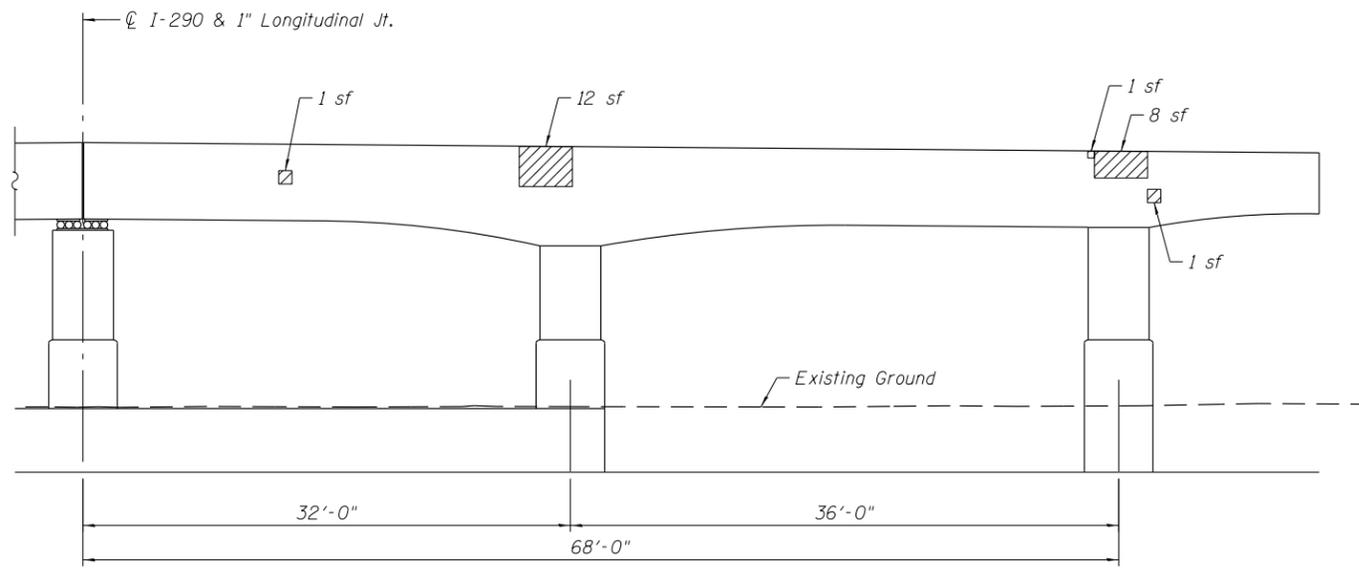
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

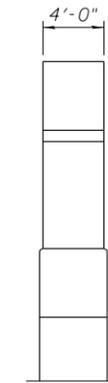
**PIER C7 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-117 OF S2-137 SHEETS

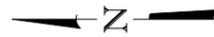
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	409
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



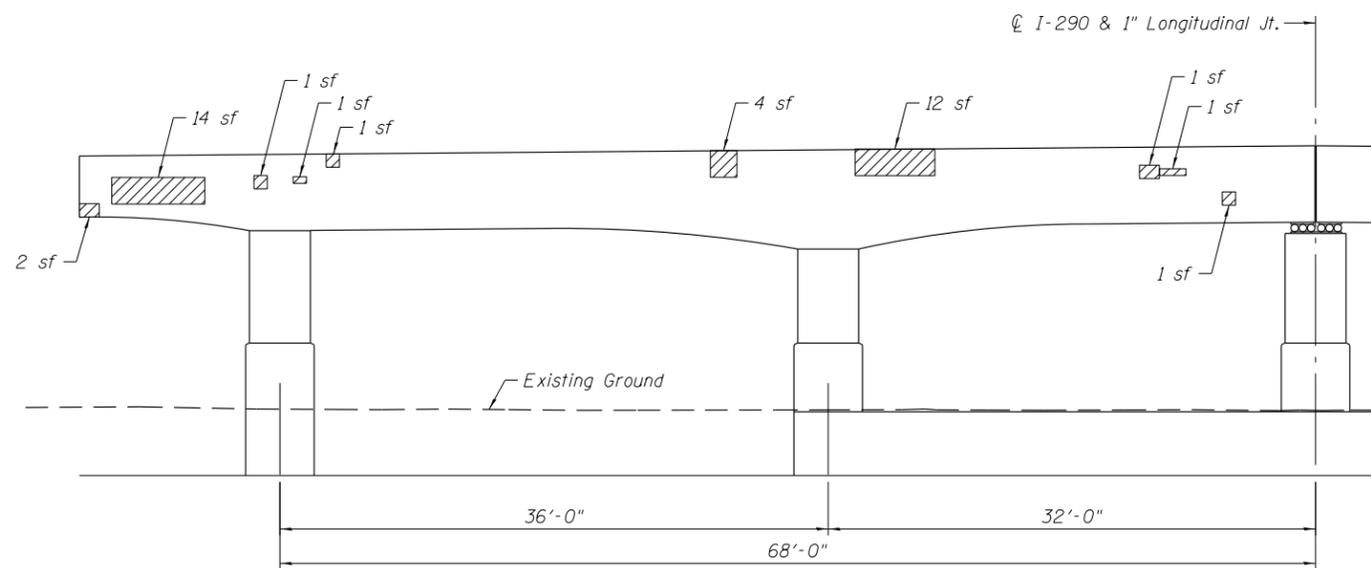
ELEVATION - PIER C8
(Looking East)



END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C8
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	61

0160461-60X75-5118-PRR.dgn

**PARSONS
BRINCKERHOFF**

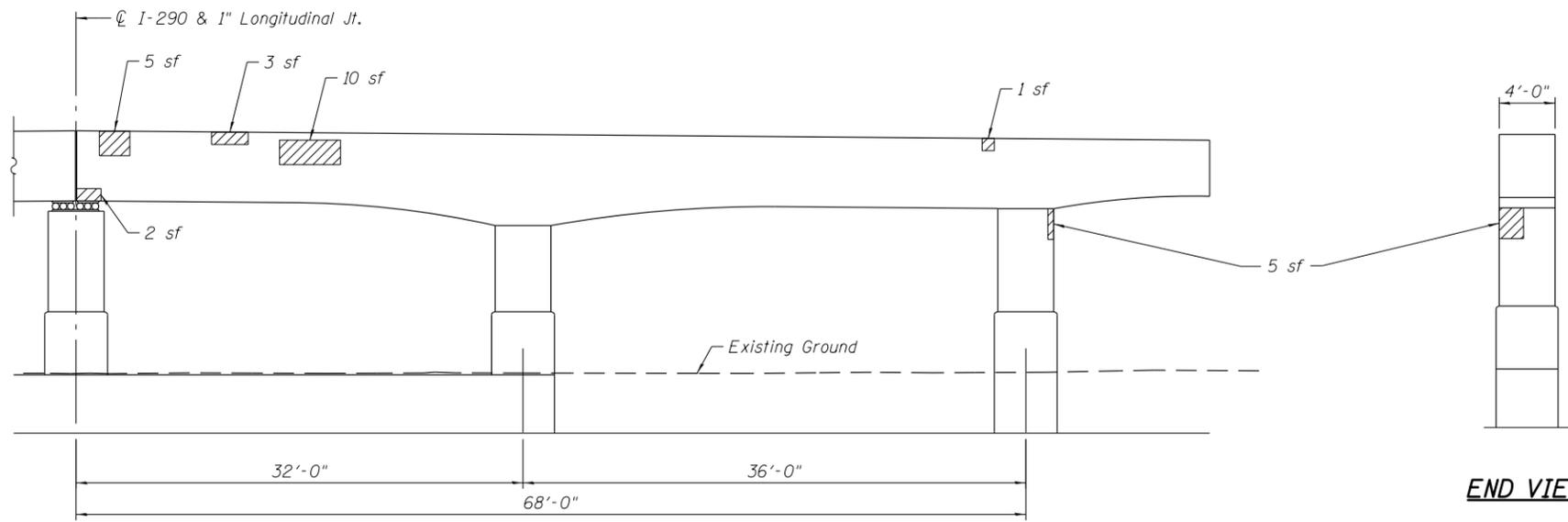
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER C8 REPAIR
STRUCTURE NO. 016-0461**

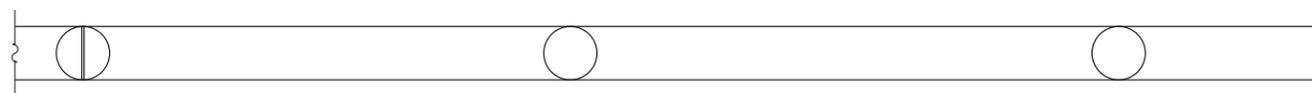
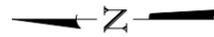
SHEET NO. S2-118 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	410
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

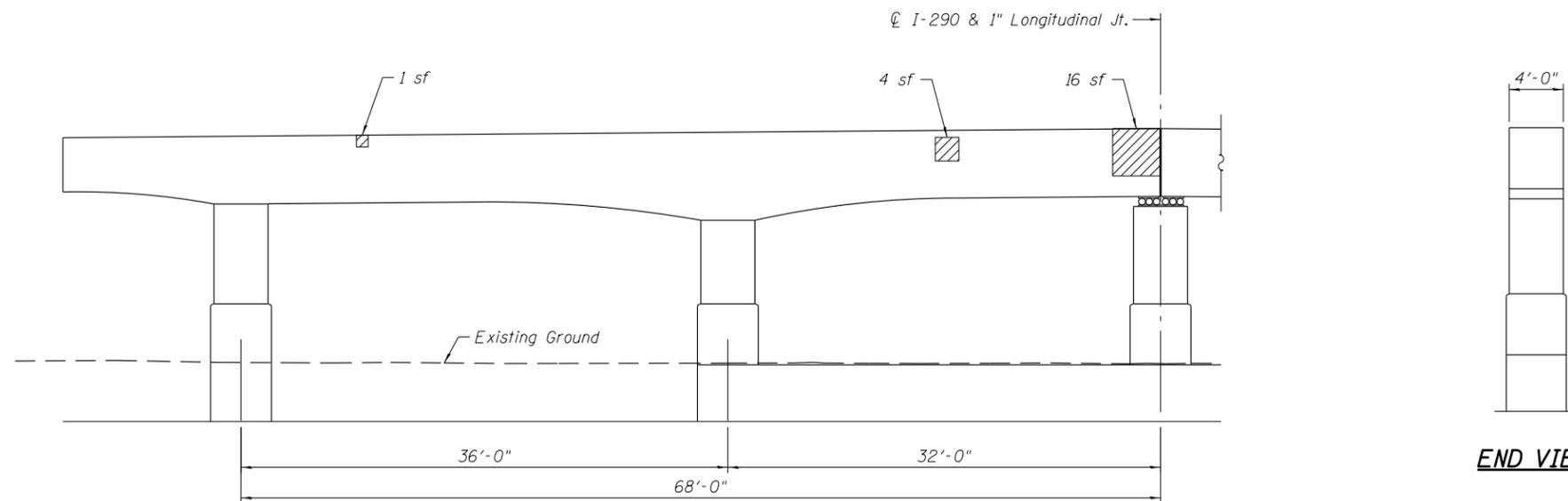


ELEVATION - PIER C10
(Looking East)

END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C10
(Looking West)

END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	47

0160461-60X75-5119-PRR.dgn

**PARSONS
BRINCKERHOFF**

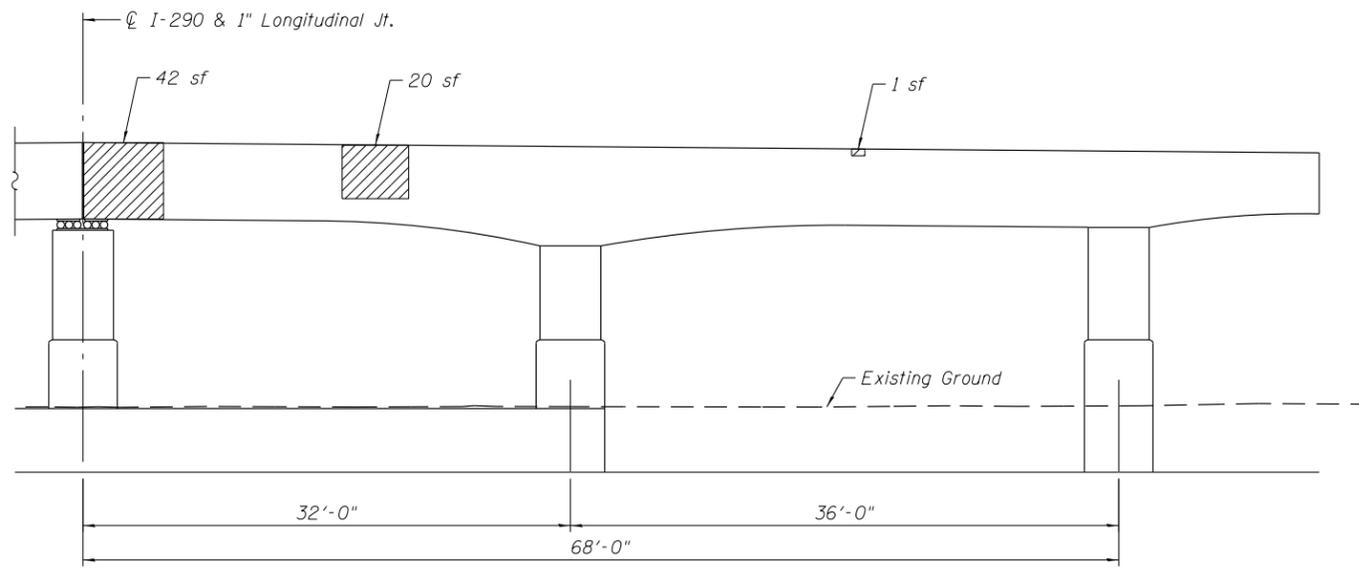
USER NAME = pateld	DESIGNED - HA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - P.JL	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

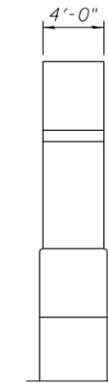
**PIER C10 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-119 OF S2-137 SHEETS

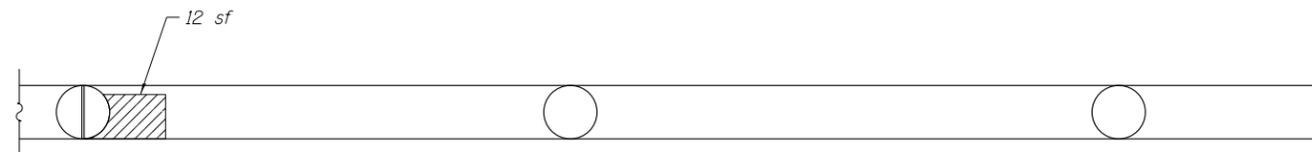
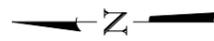
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	411
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



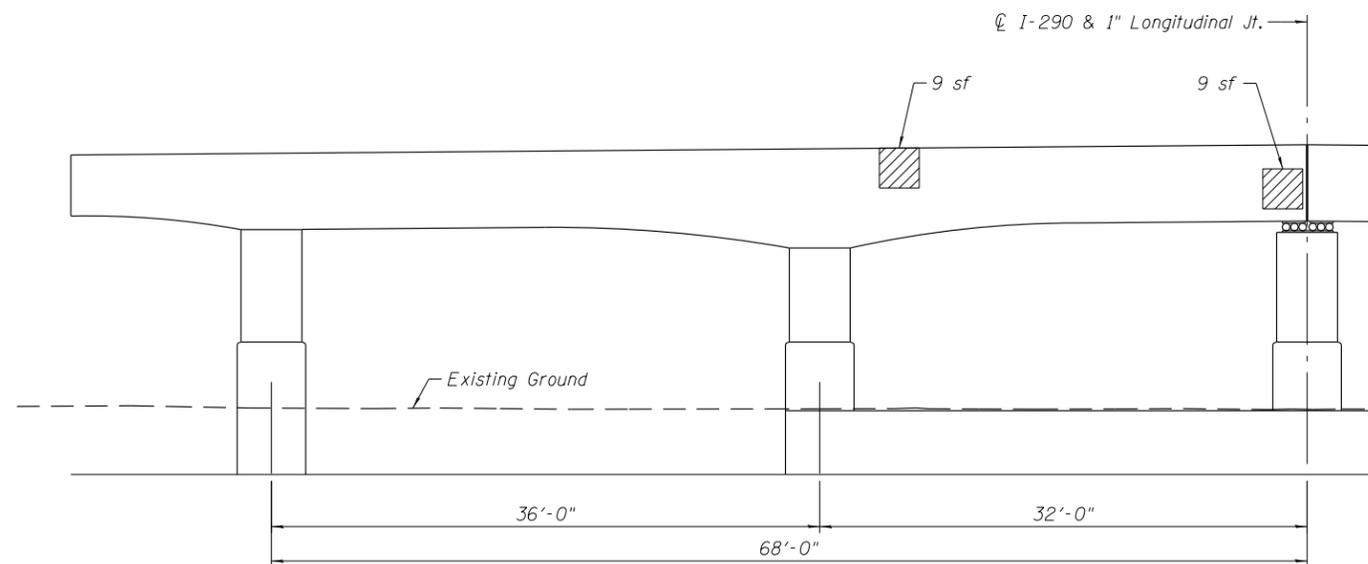
ELEVATION - PIER C11
(Looking East)



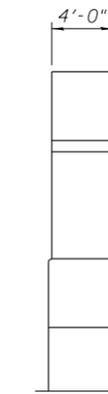
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C11
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	93

0160461-60X75-5120-PRR.dgn

**PARSONS
BRINCKERHOFF**

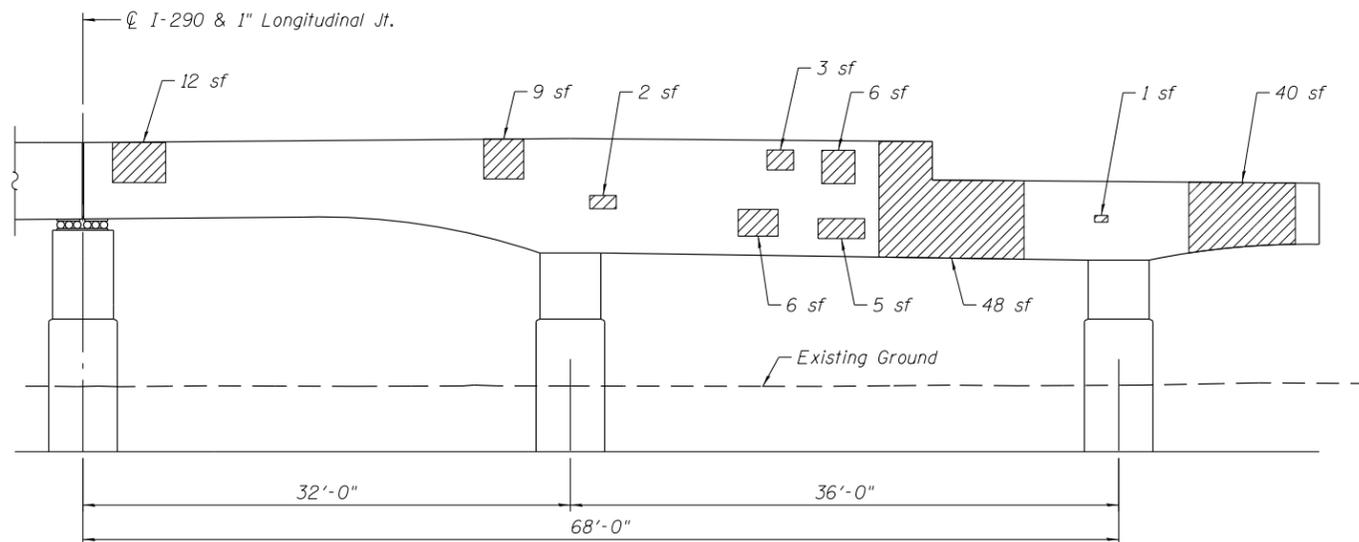
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

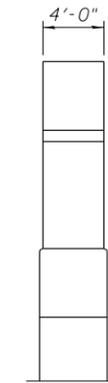
**PIER C11 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-120 OF S2-137 SHEETS

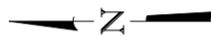
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	412
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



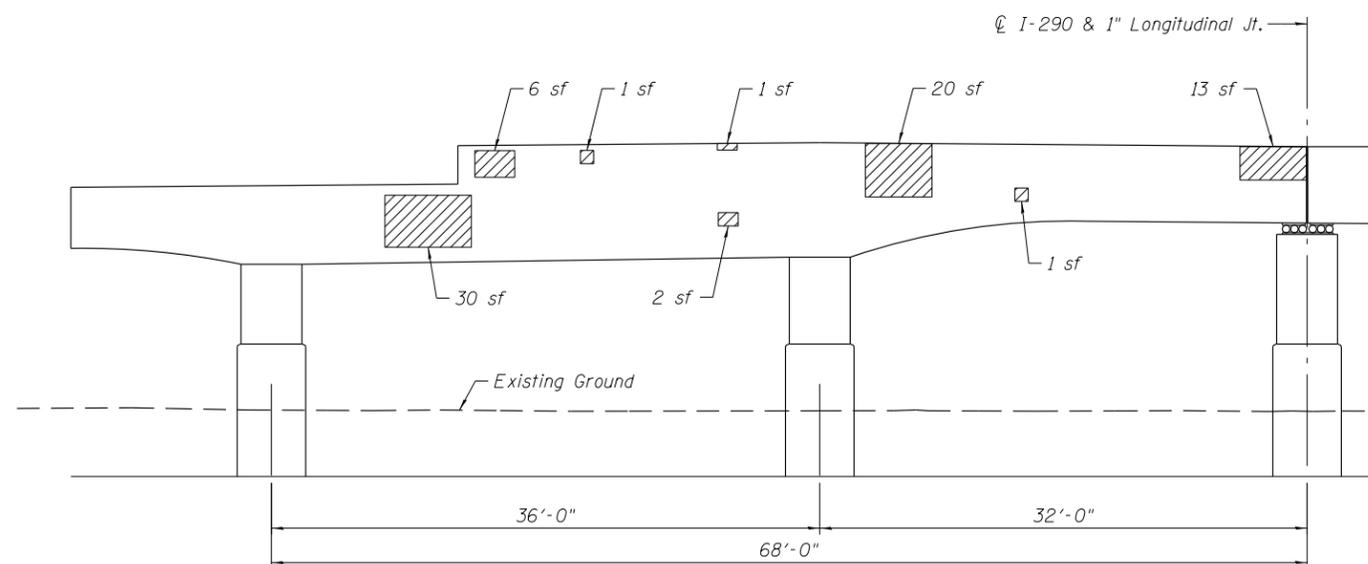
ELEVATION - PIER C13
(Looking East)



END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C13
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	206

0160461-60X75-5121-PRR.dgn

**PARSONS
BRINCKERHOFF**

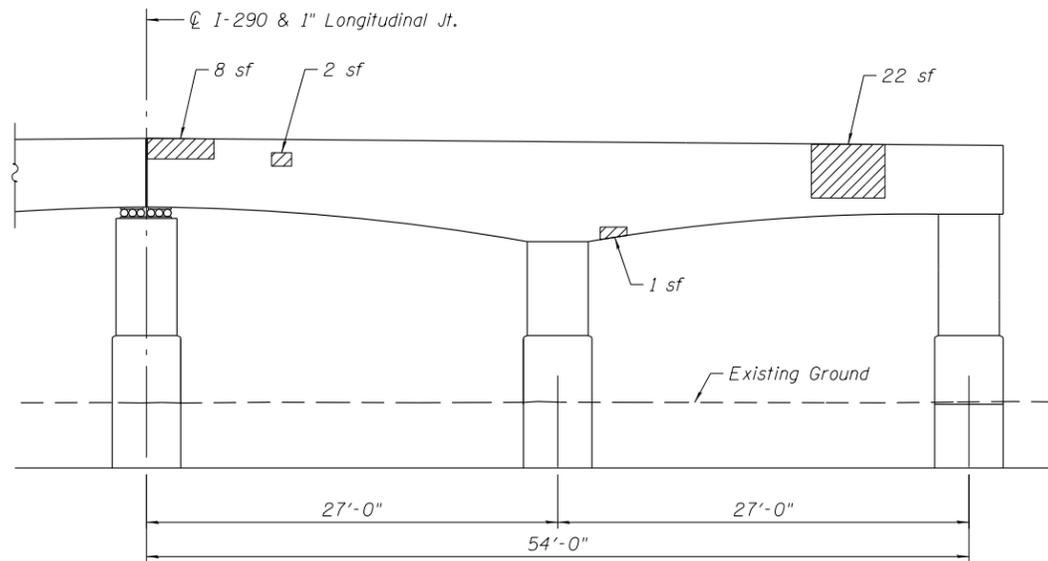
USER NAME = pateld	DESIGNED - HA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - P.JL	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

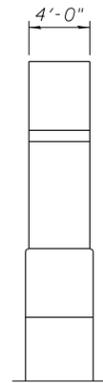
**PIER C13 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-121 OF S2-137 SHEETS

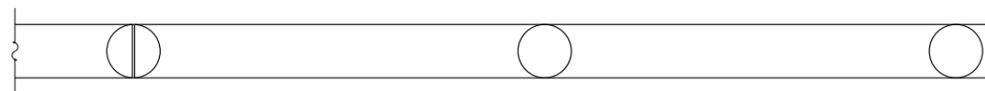
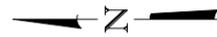
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	413
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



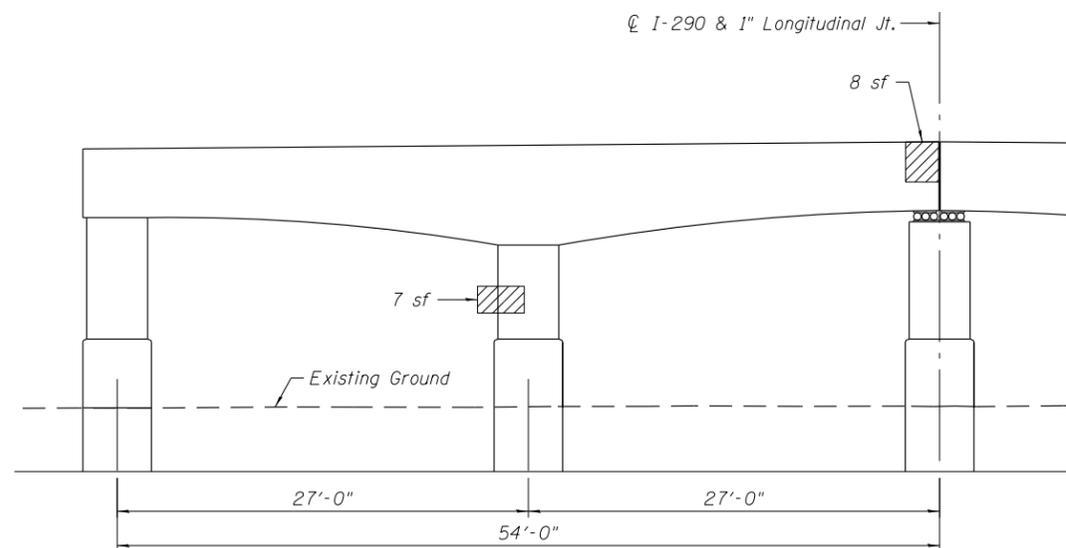
ELEVATION - PIER C14
(Looking East)



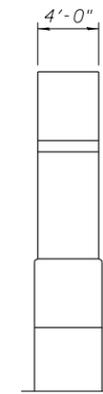
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C14
(Looking West)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	48

0160461-60X75-5122-PRR.dgn

**PARSONS
BRINCKERHOFF**

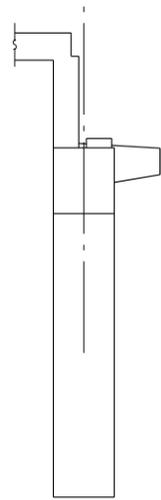
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

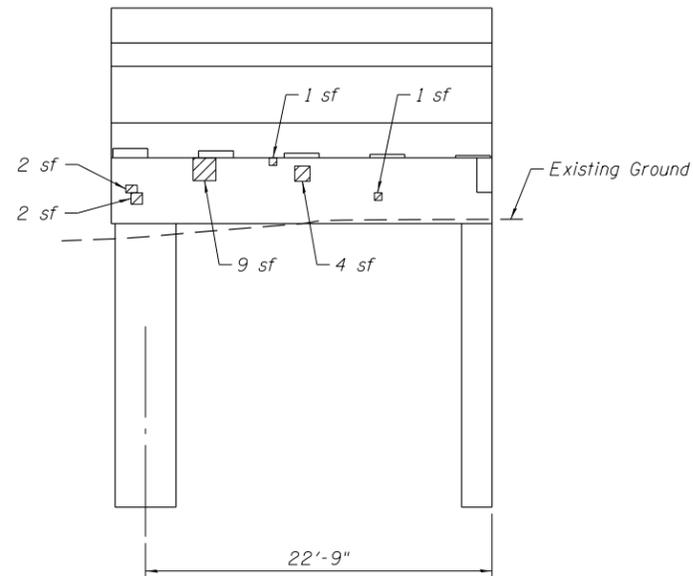
**PIER C14 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-122 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	414
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



END VIEW



ELEVATION - PIER 14S NORTH RAMP
(Looking East)

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	19

0160461-60X75-5123-PRR.dgn

**PARSONS
BRINCKERHOFF**

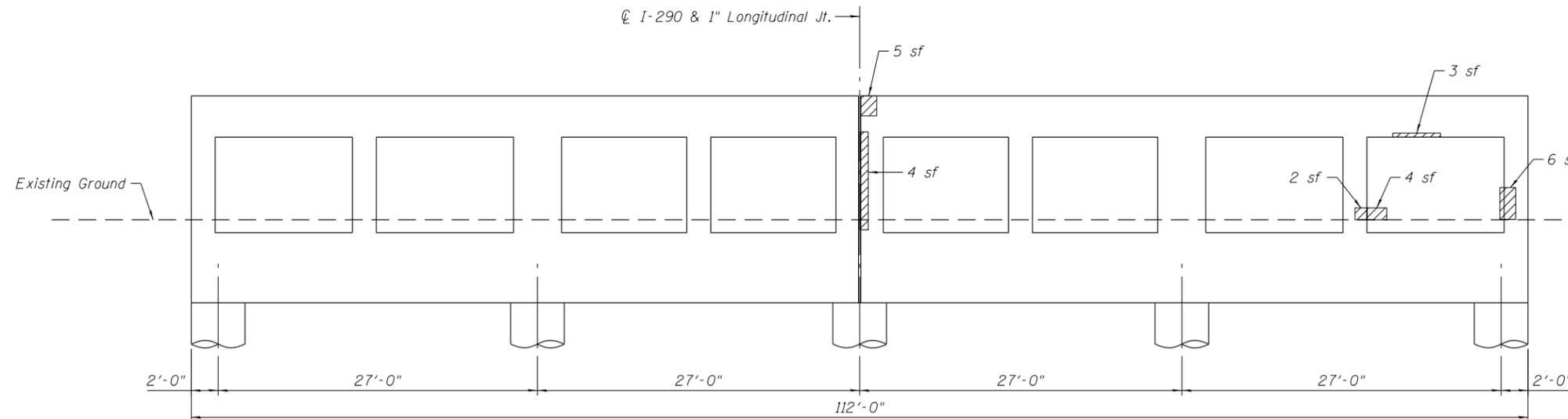
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

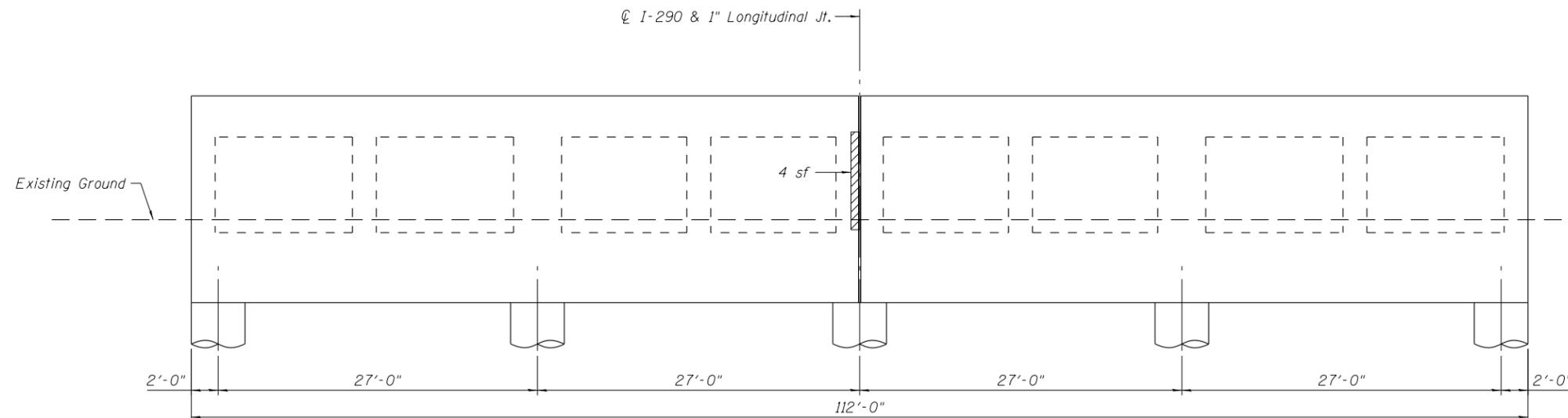
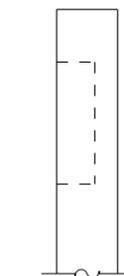
**PIER 14S REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-123 OF S2-137 SHEETS

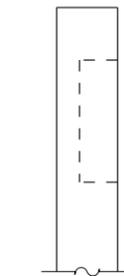
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	415
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



ELEVATION - PIER C15
(Looking East)



ELEVATION - PIER C15
(Looking West)



Note:
 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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	28

0160461-60X75-5124-PRR.dgn

**PARSONS
BRINCKERHOFF**

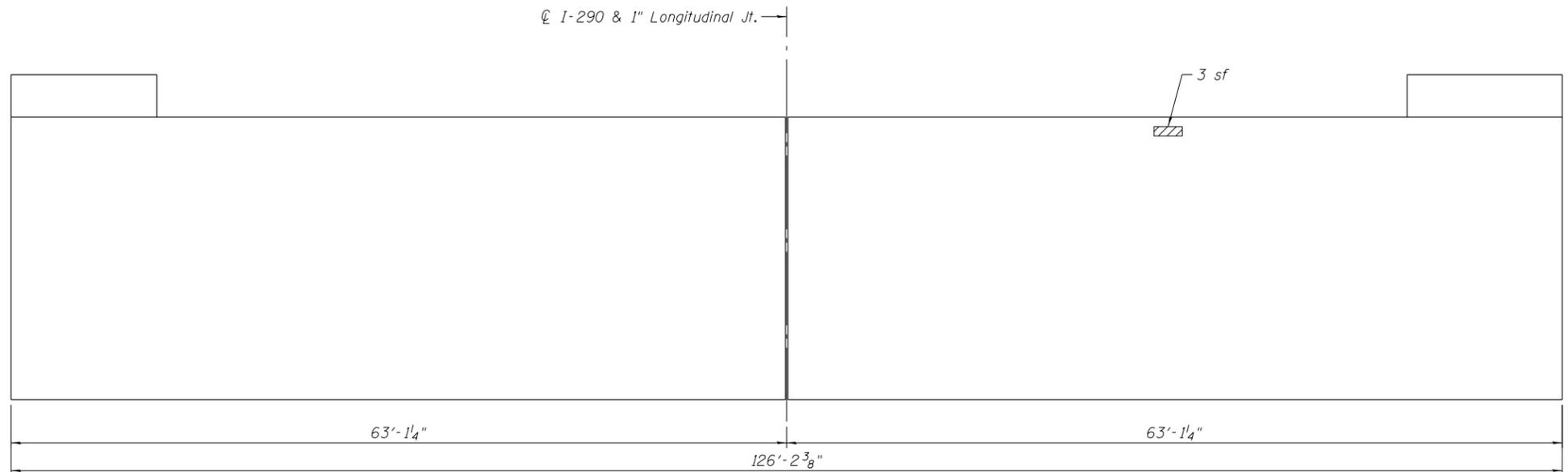
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

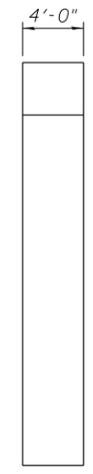
**PIER C15 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-124 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	416
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



ELEVATION - PIER C16
(Looking East)



END VIEW

Note:
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)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	3

0160461-60X75-5125-PRR.dgn

**PARSONS
BRINCKERHOFF**

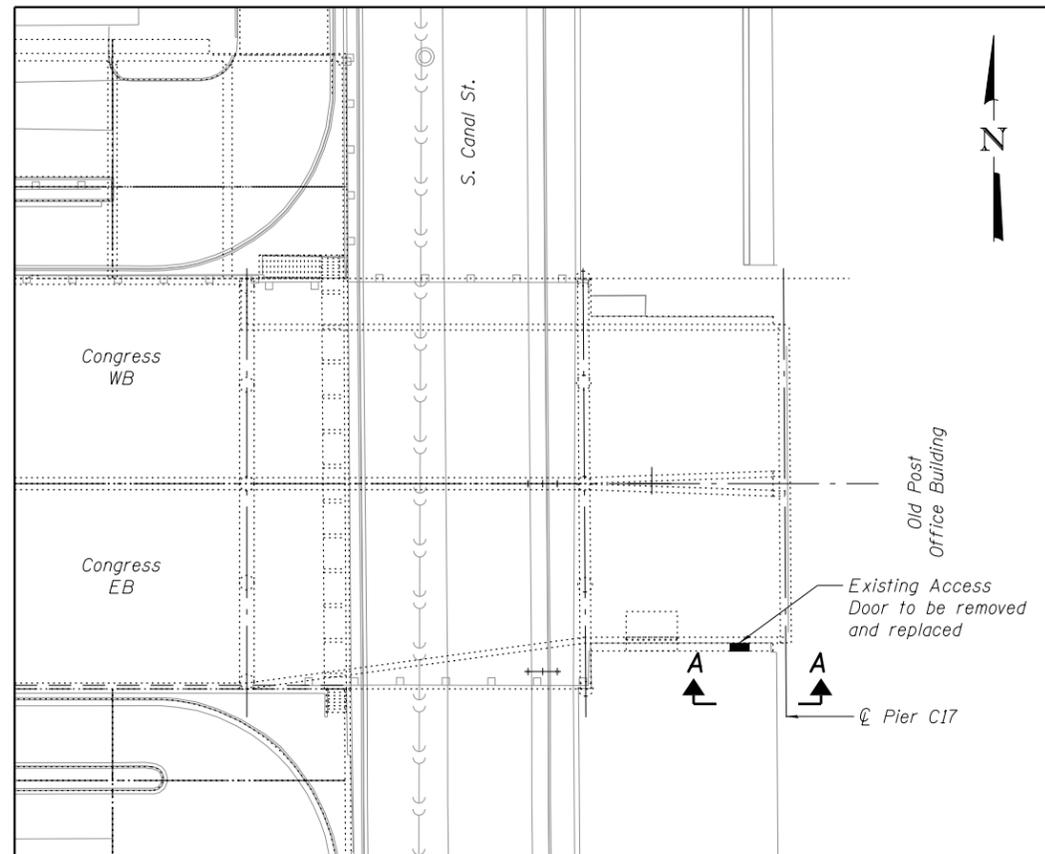
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

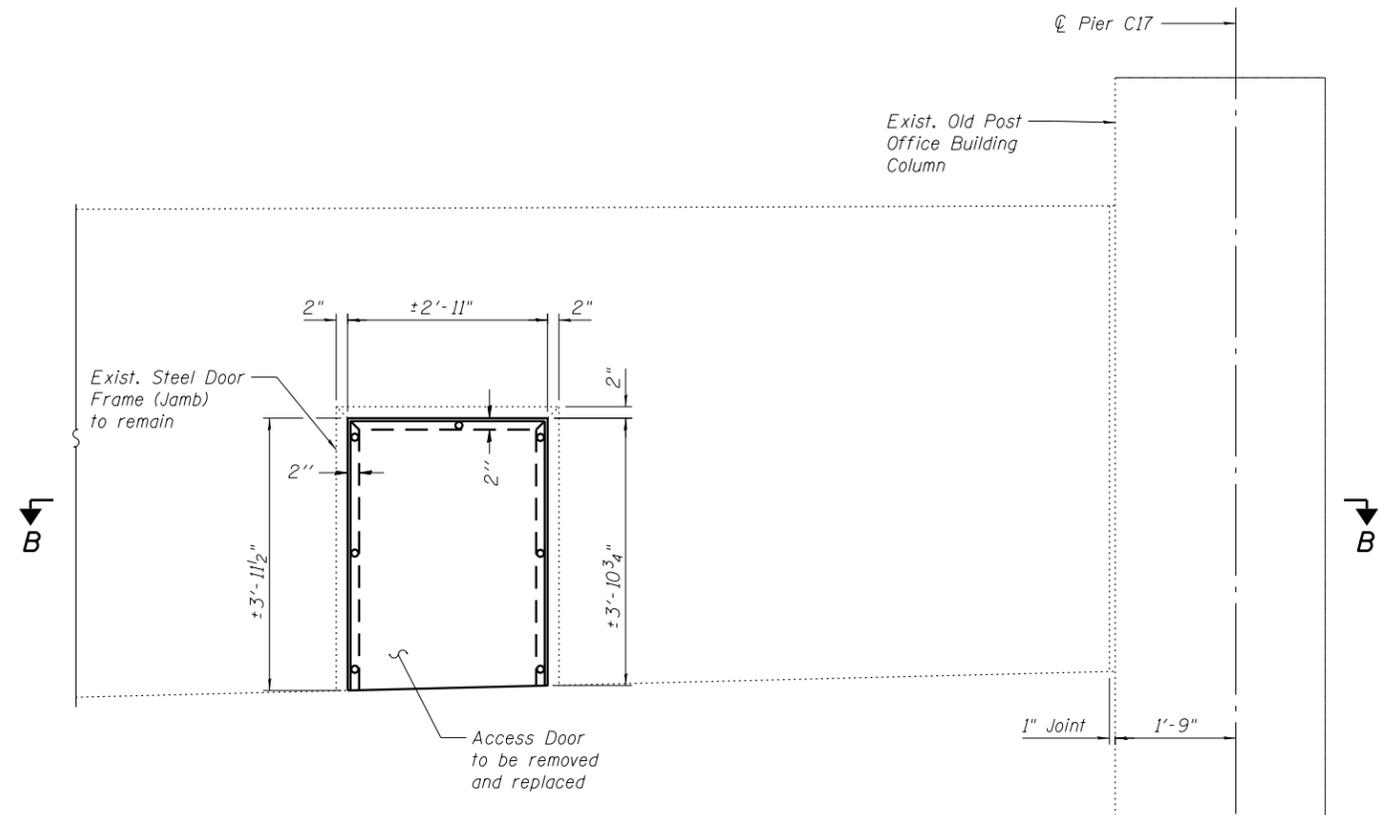
**PIER C16 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-125 OF S2-137 SHEETS

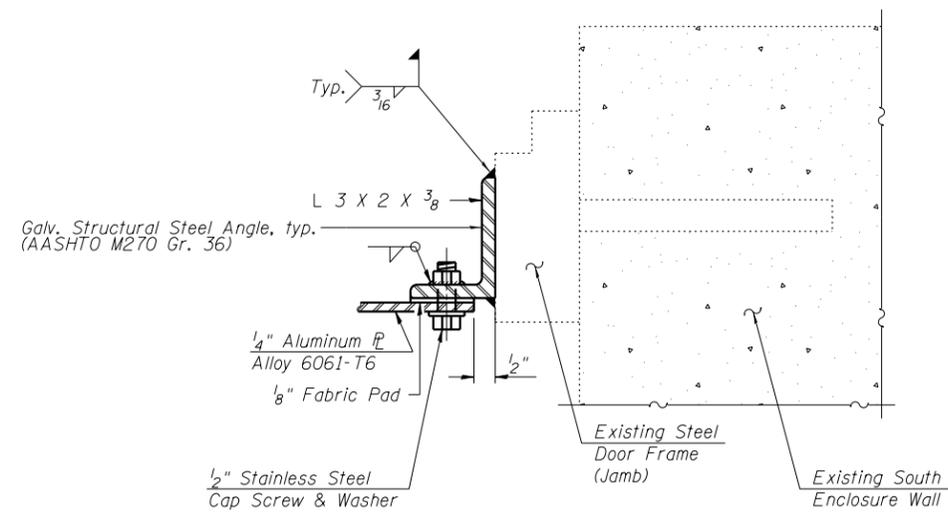
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	417
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X75	



KEY PLAN

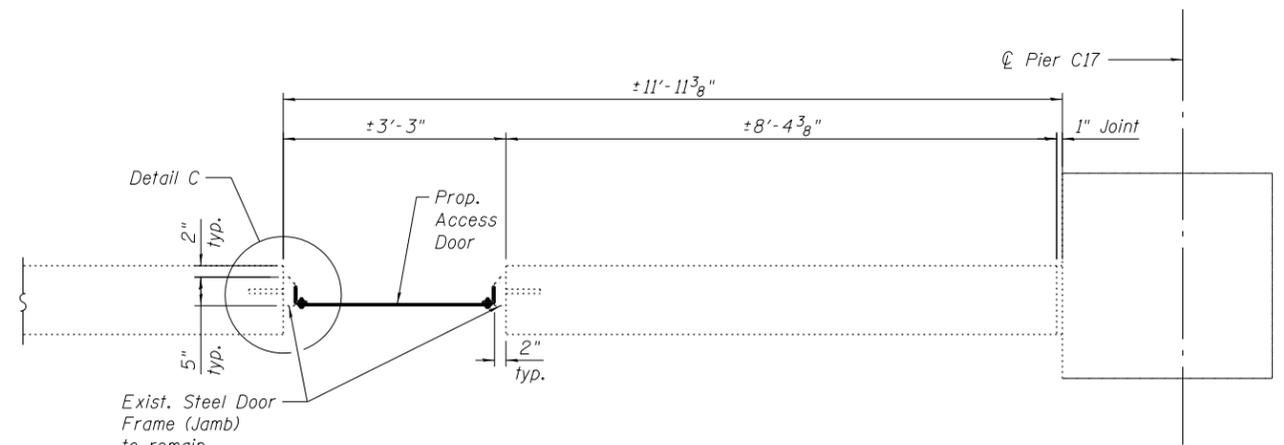


SECTION A-A
SOUTH ENCLOSURE WALL & ACCESS DOOR
(Looking North)



DETAIL C

Cost of door and frame are included with Access Door.



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Access Door	Each	1

0160461-60X75-5126-DR1.dgn

PARSONS BRINCKERHOFF

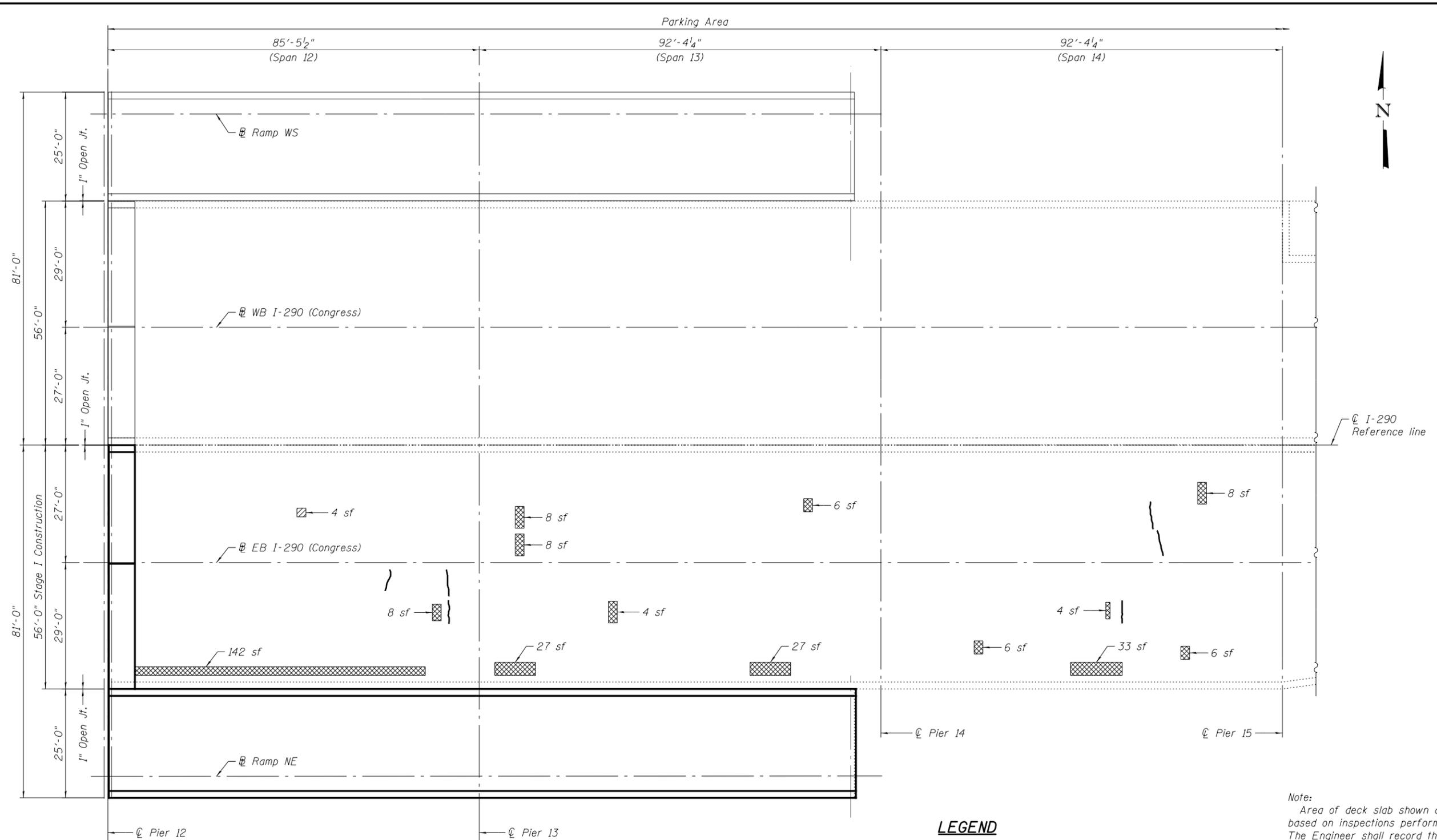
USER NAME = pateld	DESIGNED - HA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PJL	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DE	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOOR REPAIR - NORTH ENCLOSURE WALL
STRUCTURE NO. 016-0461

SHEET NO. S2-126 OF S2-137 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 418
CONTRACT NO. 60X75				
<small>ILLINOIS FED. AID PROJECT</small>				



DECK PLAN - UNIT IV
(Spans 12 to 14)

LEGEND

- Hairline Crack not to be sealed (Width < 0.06")
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)

Note:
Area of deck slab 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.

BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	32

0160461-60X75-5127-DKR.dgn

PARSONS BRINCKERHOFF

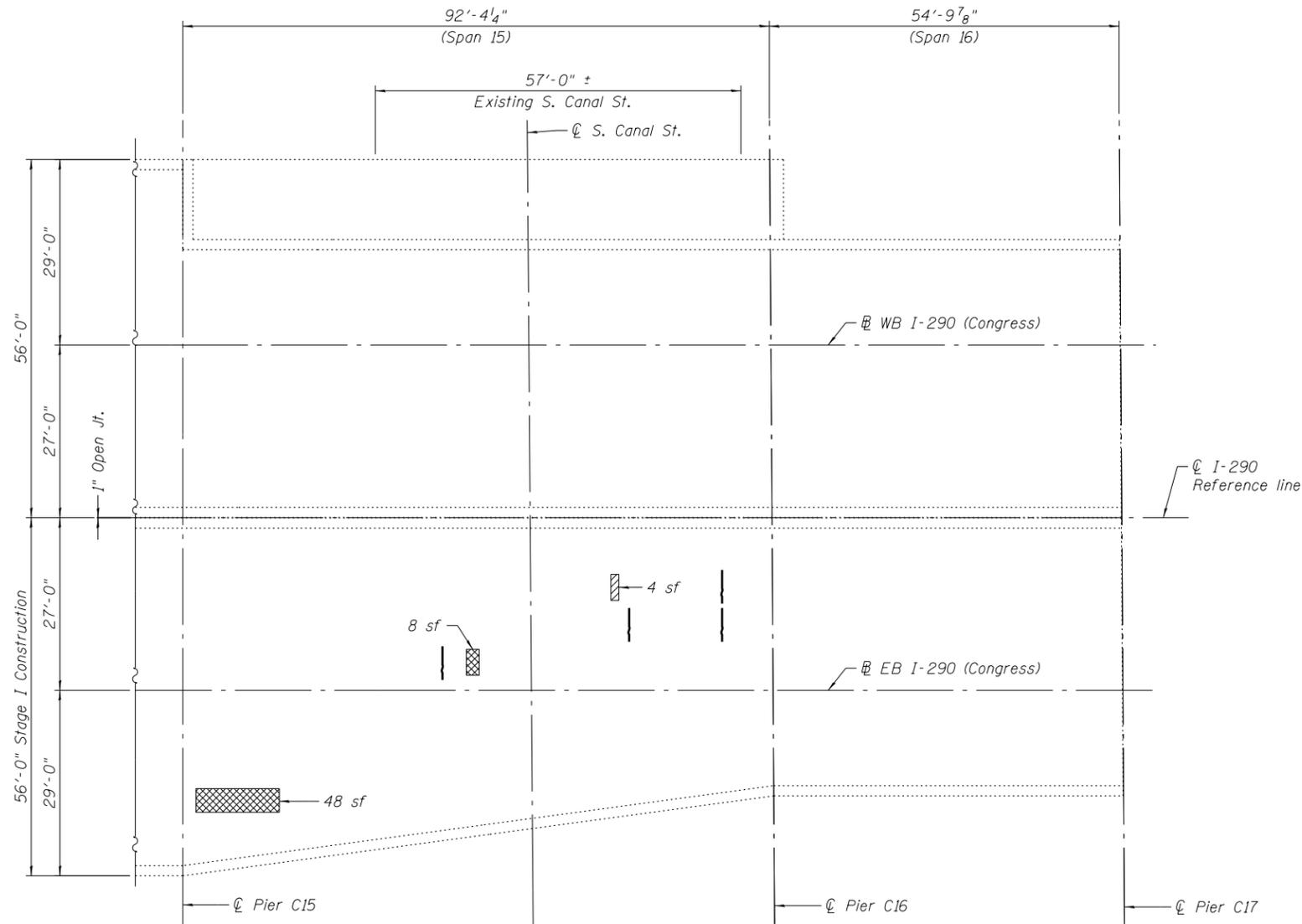
USER NAME = pateld	DESIGNED - HA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PJL	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK REPAIR I - UNIT IV
STRUCTURE NO. 016-0461**

SHEET NO. S2-127 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	419
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



DECK PLAN - UNIT IV
(Spans 15 & 16)

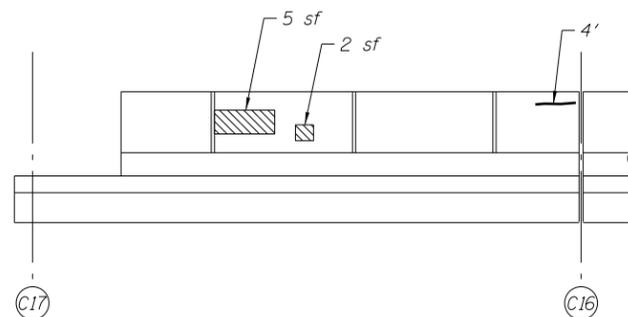
BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	6
Structural Repair of Concrete (Depth greater than 5 Inches)	Sq Ft	24

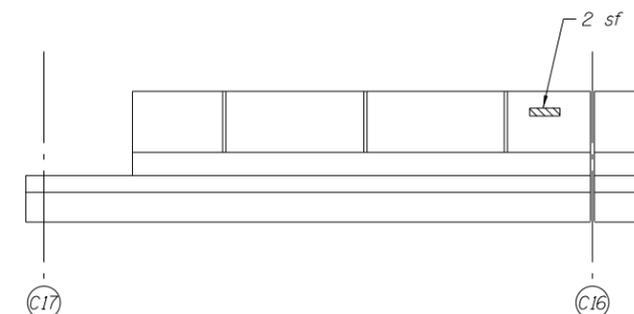
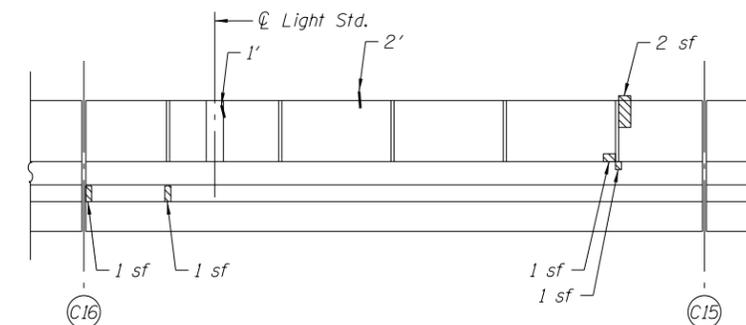
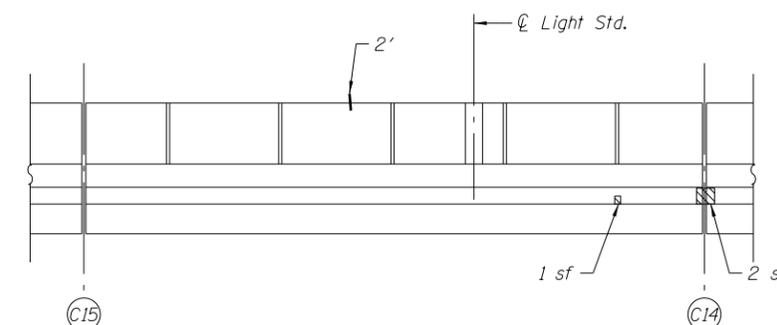
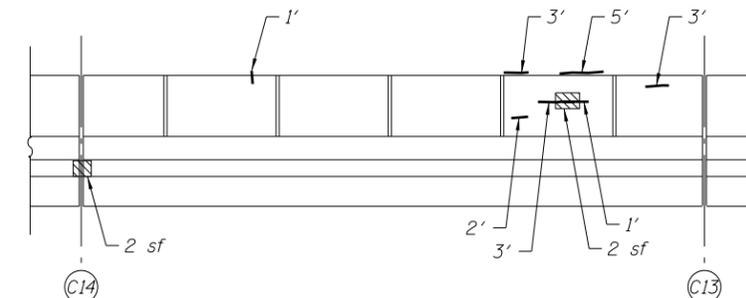
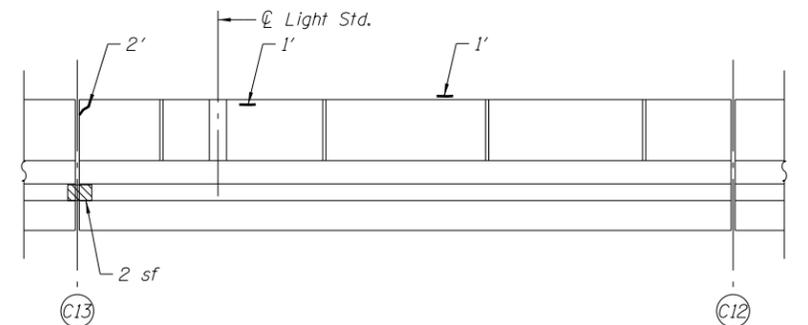
LEGEND

- Structural Repair of Concrete (Depth greater than 5 Inches)
- Hairline Crack not to be sealed (Width < 0.06")
- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)

Note:
Area of deck slab 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.



MEDIAN PARAPET
(Looking South)



SOUTH PARAPET (INSIDE FACE)
(Looking South)

0160461-60X75-5128-DKR.dgn

PARSONS BRINCKERHOFF

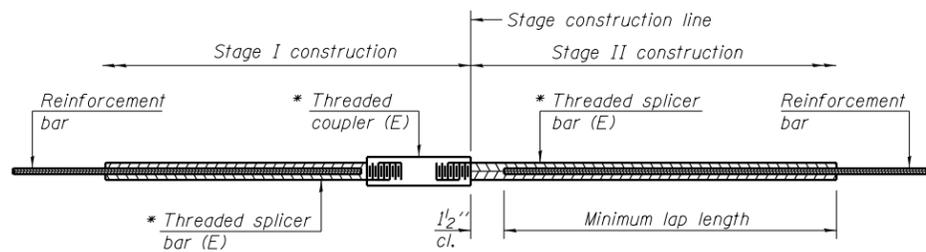
USER NAME = pateld	DESIGNED - HA	REVISED -
PLOT SCALE = N.T.S.	CHECKED - PJL	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK REPAIR II - UNIT IV
STRUCTURE NO. 016-0461

SHEET NO. S2-128 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	420
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



STANDARD BAR SPLICER ASSEMBLY

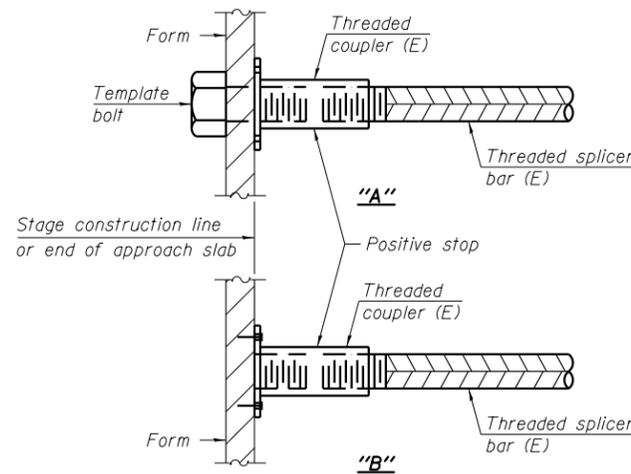
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"
10	5'-10"	8'-1"	8'-8"	9'-10"	10'-10"	12'-4"

- Table 1: Black bar, 0.8 Class C
- Table 2: Black bar, Top bar lap, 0.8 Class C
- Table 3: Epoxy bar, 0.8 Class C
- Table 4: Epoxy bar, Top bar lap, 0.8 Class C
- Table 5: Epoxy bar, Class C
- Table 6: Epoxy bar, Top bar top, Class C

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

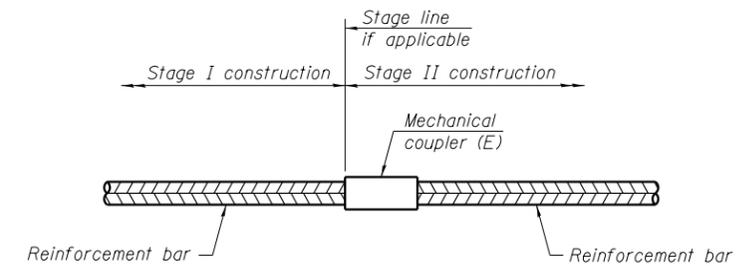
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck - Unit I	#5	752	Table 3
Deck - Unit II	#5	1,054	Table 3
Deck - Unit III	#5	672	Table 3
Deck - Unit IV	#5	30	Table 3
Pier C1	#5	10	Table 5
Pier C1	#10	14	Table 5
Pier C1 (Top Bar)	#10	14	Table 6
Pier C4	#5	10	Table 5
Pier C4	#10	14	Table 5
Pier C4 (Top Bar)	#10	14	Table 6
Pier C9	#5	10	Table 5
Pier C9	#10	14	Table 5
Pier C9 (Top Bar)	#10	14	Table 6
Pier C12	#5	10	Table 5
Pier C12	#10	14	Table 5
Pier C12 (Top Bar)	#10	14	Table 6



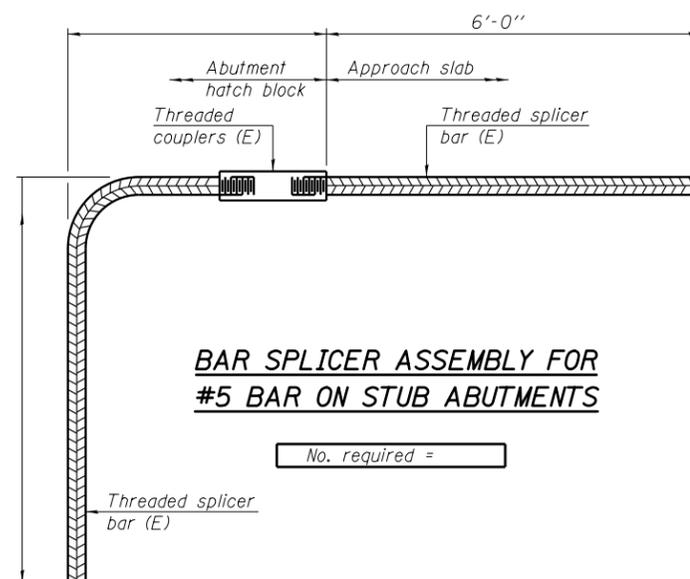
INSTALLATION AND SETTING METHODS

"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.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

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.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

0160461-60X75-5129-BAR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - LFC	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0461**

SHEET NO. S2-129 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	421
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

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

BORING LOG 0461-B-14 Page 1 of 3
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 590.20 ft
 North: 1897888.98 ft
 East: 1172270.17 ft
 Station: 1709+12.05
 Offset: 34.7157 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
589.5	9-inch thick CONCRETE -PAVEMENT-	0					589.5		0				
588.4	4-inch thick CRUSHED STONE -BASE COURSE-	1	1	13	NP	15	588.4		1	0	0.49	25	
	Loose to medium dense, brown, fine SAND	2	2	4	NP	19			2	0	0.33	25	
583.7	Stiff to very stiff, gray SILTY CLAY, trace gravel	3	3	2	2.21	18	583.7		3	0	0.25	32	
579.7	Soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	4	4	2	1.23	23	579.7		4	0	0.41	25	
		5	5	2	0.74	24			5	0	0.41	25	
		6	6	0	0.33	26			6	0	0.66	26	
		7	7	0	0.25	27			7	0	0.41	28	
		8	8	0	0.16	28			8	0	0.41	28	
		9	9	0	0.33	27			9	0	0.41	28	
		10	10	0	0.41	26			10	0	0.41	28	

GENERAL NOTES
 Begin Drilling: 03-26-2014
 Complete Drilling: 03-26-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&J
 Logger: F. Bozga
 Checked by: *
 Drilling Method: 2.25" SSA to 11', mud rotary thereafter, boring backfilled upon completion

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

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

BORING LOG 0461-B-14 Page 2 of 3
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 590.20 ft
 North: 1897888.98 ft
 East: 1172270.17 ft
 Station: 1709+12.05
 Offset: 34.7157 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
536.7	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel	11	11	0	0	0.49	536.7		11	0	0.49	25	
		12	12	0	0	0.33			12	0	0.33	25	
		17	17	8	6.56	16			17	8	6.56	16	
		18	18	6	6.56	15			18	6	6.56	15	
		19	19	4	4.10	22			19	4	4.10	22	
		20	20	16	8.61	16			20	16	8.61	16	
		21	21	11	6.97	13			21	11	6.97	13	
503.5	Very dense, gray SILT	22	22	16	9.02	15	503.5		22	16	9.02	15	
		23	23	37	5.74	12			23	37	5.74	12	
		24	24	37	NP	26			24	37	NP	26	
498.5	Very dense, gray GRAVELLY SANDY LOAM	25	25	50/2	NP	13	498.5		25	50/2	NP	13	
		26	26	50/4	NP	8			26	50/4	NP	8	

GENERAL NOTES
 Begin Drilling: 03-26-2014
 Complete Drilling: 03-26-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&J
 Logger: F. Bozga
 Checked by: *
 Drilling Method: 2.25" SSA to 11', mud rotary thereafter, boring backfilled upon completion

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

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

BORING LOG 0461-B-14 Page 3 of 3
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 590.20 ft
 North: 1897888.98 ft
 East: 1172270.17 ft
 Station: 1709+12.05
 Offset: 34.7157 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
555.5	-HARD DRILLING- -Possible Cobbles- Very dense, white DOLOSTONE fragments and greenish gray argillaceous infill -WEATHERED BEDROCK-	27	27	50/0	NP	19	555.5		27	50/0	NP	19	
	-HARD DRILLING- -Possible Cobbles-	28							28				
483.2	-HARD DRILLING- -Possible Cobbles- -AUGER REFUSAL- Boring terminated at 107.00 ft	107					483.2		107				

GENERAL NOTES
 Begin Drilling: 03-26-2014
 Complete Drilling: 03-26-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&J
 Logger: F. Bozga
 Checked by: *
 Drilling Method: 2.25" SSA to 11', mud rotary thereafter, boring backfilled upon completion

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

0160461-60X75-5132-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS III
 STRUCTURE NO. 016-0461**

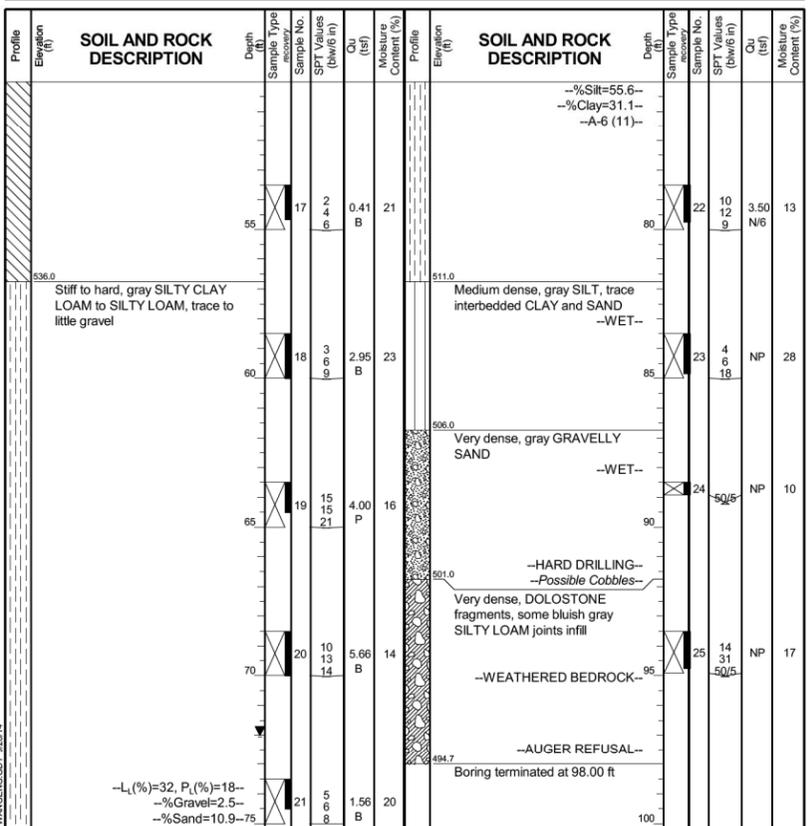
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	424
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

SHEET NO. S2-132 OF S2-137 SHEETS

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

BORING LOG 0461-B-11
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 592.71 ft
 North: 1897908.17 ft
 East: 1172741.09 ft
 Station: 1713+87.02
 Offset: 25.1777 RT



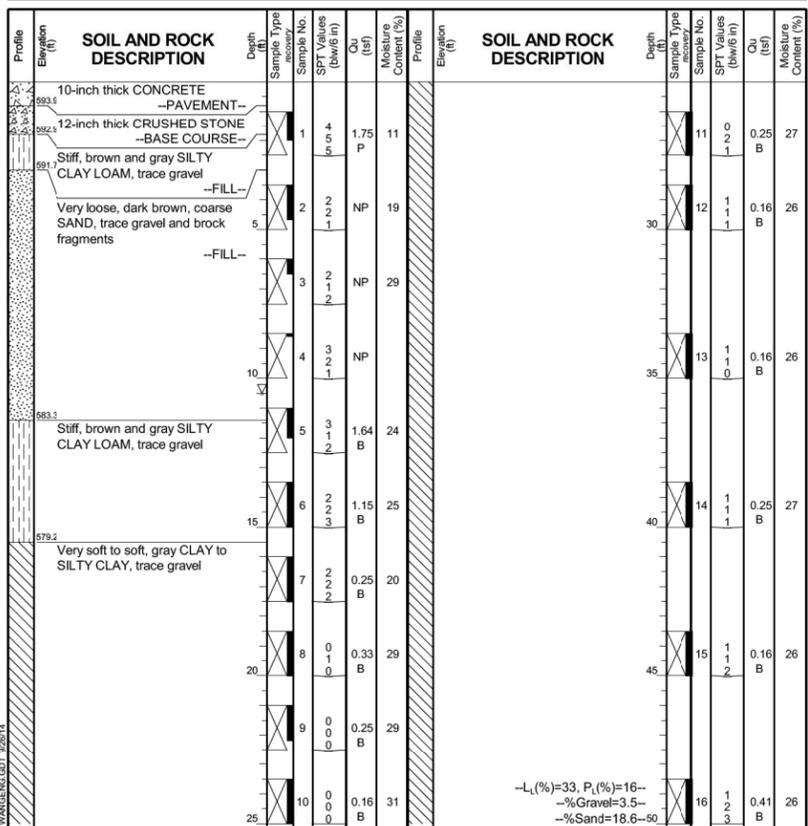
GENERAL NOTES
 Begin Drilling: 03-16-2014
 Complete Drilling: 03-17-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: B-57 TMR
 Driller: P&P
 Logger: D. Kolpacki
 Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 8.50 ft
 At Completion of Drilling: 72.00 ft
 Time After Drilling: NA
 Depth to Water: NA

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

BORING LOG 0461-B-10
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 594.70 ft
 North: 1897918.58 ft
 East: 1172921.87 ft
 Station: 1715+66.42
 Offset: 14.5370 RT



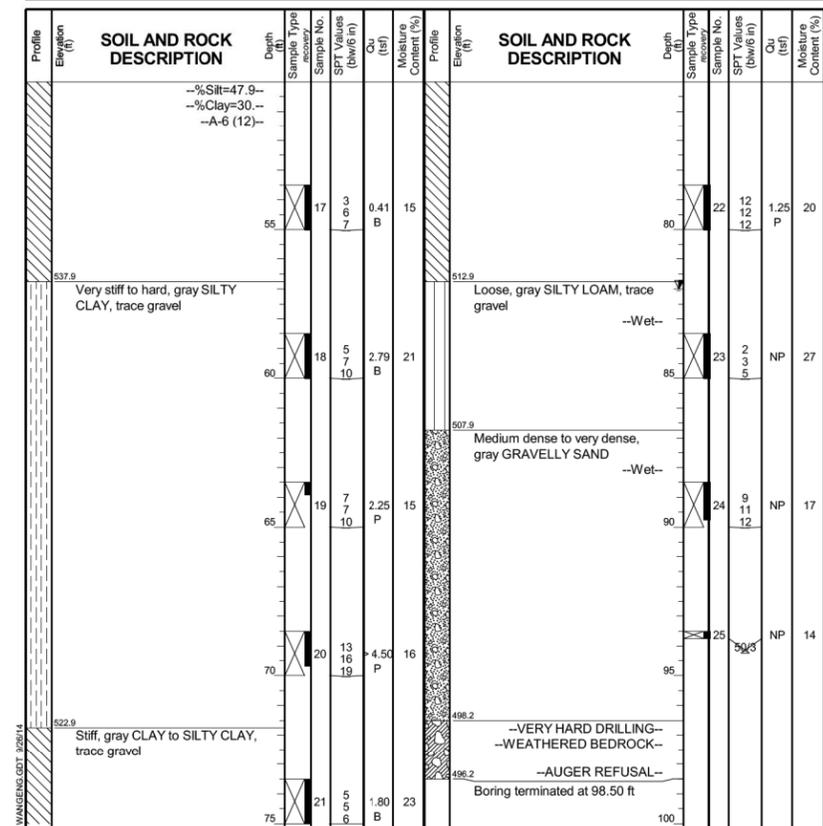
GENERAL NOTES
 Begin Drilling: 03-23-2014
 Complete Drilling: 03-24-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: B-57 TMR
 Driller: P&P
 Logger: D. Kolpacki
 Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 10.50 ft
 At Completion of Drilling: NA
 Time After Drilling: 24 hours
 Depth to Water: 82.00 ft

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

BORING LOG 0461-B-10
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 594.70 ft
 North: 1897918.58 ft
 East: 1172921.87 ft
 Station: 1715+66.42
 Offset: 14.5370 RT



GENERAL NOTES
 Begin Drilling: 03-23-2014
 Complete Drilling: 03-24-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: B-57 TMR
 Driller: P&P
 Logger: D. Kolpacki
 Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 10.50 ft
 At Completion of Drilling: NA
 Time After Drilling: 24 hours
 Depth to Water: 82.00 ft

0160461-60X75-5135-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
 DESIGNED - PJL
 CHECKED - AH
 DRAWN - DCP
 PLOT SCALE = N.T.S.
 PLOT DATE = 6/28/2017

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS VI
 STRUCTURE NO. 016-0461

F.A.I. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
 90/94/290 2014-001 R&B (EB) COOK 696 427
 CONTRACT NO. 60X75

SHEET NO. S2-135 OF S2-137 SHEETS

ILLINOIS FED. AID PROJECT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
598.2	10-inch thick CONCRETE --PAVEMENT--								--A-6 (B)--						
598.0	CRUSHED STONE --BASE COURSE--														
	Very loose to medium dense, yellowish brown, fine to medium SAND, trace gravel and brick fragments														
	--FILL--														
		1	NP	13											
		2	NP	7											
		3	NP	5											
590.2	Stiff, brown and gray SILTY CLAY LOAM, trace gravel														
	--FILL--														
		4	P	5											
587.5	Loose, brown SILTY LOAM --Moist--														
		5	NP	25											
	--L _c (%)=NP, P _c (%)=NP-- --%Gravel=0.3-- --%Sand=22.4--15-- --%Silt=72.2-- --%Clay=5.2-- --A-4 (0)--														
		6	NP	24											
583.5	Medium stiff to stiff, gray SILTY CLAY, trace gravel														
		7	B	28		1.80									
		8	B	25		0.90									
578.5	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel														
	--L _c (%)=28, P _c (%)=15-- --%Gravel=2.9-- --%Sand=19.1-- --%Silt=49.3-- --%Clay=28.7--														
		9	B	36		0.25									
		10	B	23		0.25									

GENERAL NOTES
 Begin Drilling: 10-20-2013 Complete Drilling: 10-20-2013
 Drilling Contractor: Wang Testing Services Drill Rig: CME-55 TMR
 Driller: R&J Logger: A. Happel Checked by: *
 Drilling Method: 2.25" HSA to 20', mud rotary thereafter, boring backfilled upon completion

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
598.2															
		11	B	30	0	0.16									
		12	B	36	0	0.16									
		17	B	24	0	0.49									
		18	B	19	0	0.98									
537.2	Very stiff to hard, gray SILTY CLAY, trace gravel														
		19	B	21	4	3.28									
		20	B	12	8	3.69									
		21	B	20	12	4.59									
517.2	Medium stiff, gray CLAY														
		22	B	21	8	3.61									
		23	P	31	4	0.75									
510.2	Dense, gray SILTY LOAM														
		24	NP	21	11	11									
507.2	Dense, gray GRAVELLY SAND --Wet--														
		25	NP	14	12	25									
		26	NA												
501.5	--HARD DRILLING--														
500.5	--BEDROCK--														
	Boring terminated at 98.50 ft														

GENERAL NOTES
 Begin Drilling: 10-20-2013 Complete Drilling: 10-20-2013
 Drilling Contractor: Wang Testing Services Drill Rig: CME-55 TMR
 Driller: R&J Logger: A. Happel Checked by: *
 Drilling Method: 2.25" HSA to 20', mud rotary thereafter, boring backfilled upon completion

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.2	9-inch thick CONCRETE --PAVEMENT--														
592.0	Medium dense, brown SANDY LOAM, little gravel														
	--FILL--														
		11	B	34	10	17									
589.9	Medium dense to dense, brown GRAVELLY SAND, some brick fragments and construction debris														
	--FILL--														
		12	B	28	3	12									
		13	B	26	3	6									
584.9	Loose, brown, SILT and fine SAND														
	--FILL--														
		14	B	26	5	4									
582.9	Medium stiff, brown CLAY LOAM, trace gravel														
	--FILL--														
		15	B	23	1	2									
579.9	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel														
		16	B	26	0	0									
		17	B	23	0	0									
		18	B	23	0	0									
		19	B	23	0	0									
		20	B	23	0	0									
		21	B	26	0	0									
		22	B	26	0	0									
		23	B	26	0	0									
		24	B	26	0	0									
		25	B	26	0	0									
		26	B	26	0	0									

GENERAL NOTES
 Begin Drilling: 10-30-2013 Complete Drilling: 11-07-2013
 Drilling Contractor: Wang Testing Services Drill Rig: D-50 TMR
 Driller: R&N Logger: F. Bozga Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: NA
 At Completion of Drilling: 31.50 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.

0160461-60X75-5136-BOR.dgn



USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS VII
 STRUCTURE NO. 016-0461**

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	428
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

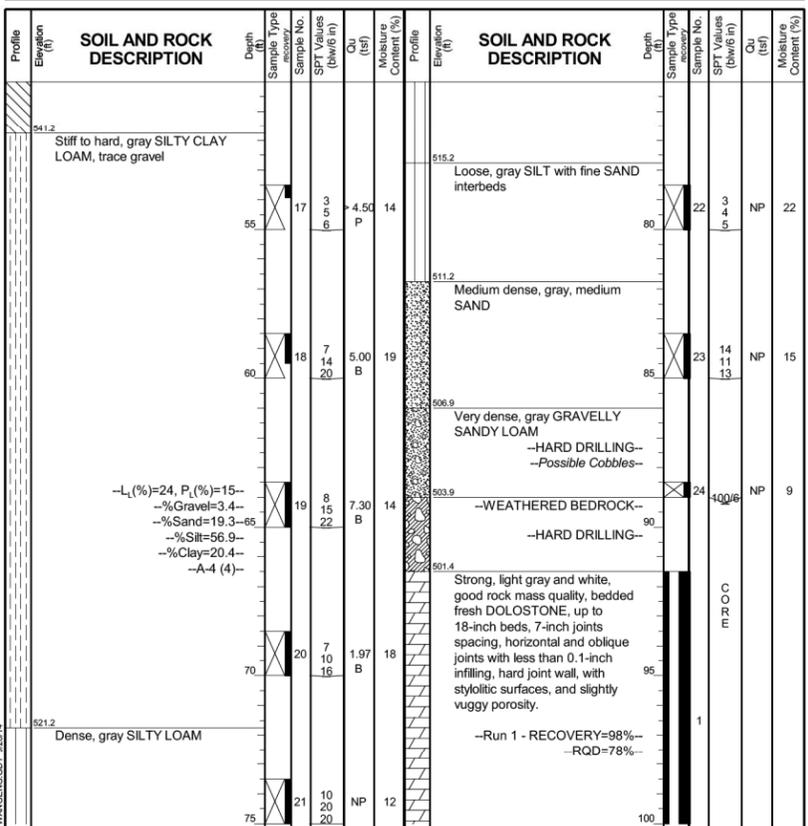
SHEET NO. S2-136 OF S2-137 SHEETS

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

BORING LOG 0461-B-09
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 592.95 ft
 North: 1897926.04 ft
 East: 1173161.53 ft
 Station: 5172+57.30
 Offset: 66.2870 RT

Page 2 of 3



GENERAL NOTES
 Begin Drilling: 10-30-2013
 Complete Drilling: 11-07-2013
 Drilling Contractor: Wang Testing Services
 Drill Rig: D-50 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: NA
 At Completion of Drilling: 31.50 ft
 Time After Drilling: NA
 Depth to Water: NA

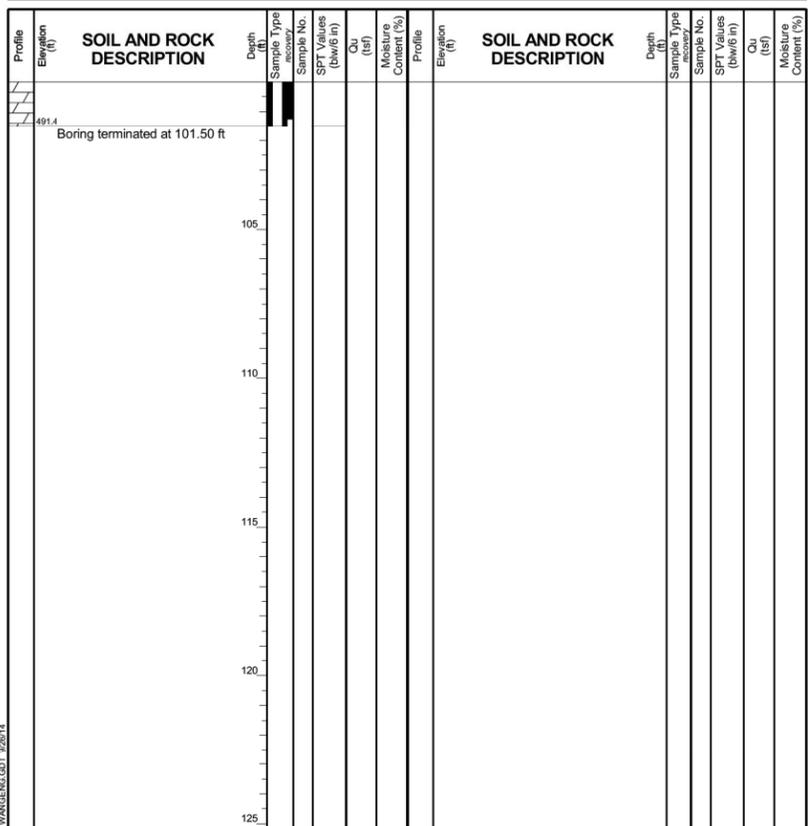
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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

BORING LOG 0461-B-09
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 592.95 ft
 North: 1897926.04 ft
 East: 1173161.53 ft
 Station: 5172+57.30
 Offset: 66.2870 RT

Page 3 of 3



GENERAL NOTES
 Begin Drilling: 10-30-2013
 Complete Drilling: 11-07-2013
 Drilling Contractor: Wang Testing Services
 Drill Rig: D-50 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: *
 Drilling Method: 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: NA
 At Completion of Drilling: 31.50 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.

0160461-60X75-5137-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BORING LOGS VIII
 STRUCTURE NO. 016-0461**

SHEET NO. S2-137 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	429
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

DESCRIPTION	DRAWING NO.	SEC 062-	SEC 062-
		2424.3	2424.4
		SHEET NO.	SHEET NO.
TITLE PAGE FOR GENERAL CONTRACT 062-2424.3	C.P.430	1	1
INDEX OF DRAWINGS FOR 062-2424.3	C.P.432	2	2
PLAN & PROFILE FOR CONGRESS ST. SUPERHIGHWAY	C.P.130	3	3
PLAN & PROFILE FOR CANAL ST.	C.P.167	4	4
PLAN & PROFILE FOR DES PLAINES ST.	C.P.168	5	5
GRADES W.S. WN & N.E. RAMPS & W.B. & E.B. MAIN	C.P.420	6	6
SEQUENCE OF CONSTRUCTION	C.P.442	7	7
PLAN OF RIGHT OF WAY	C.P.443	8	8
PLAN OF SUB-STRUCTURES (INCL WALLS)	C.P.100	9	9
PLAN OF FOUNDATIONS (CAISSONS)	C.P.310	10	10
	C.P.197	11	11
SPANS 1-2-3 GENERAL PLAN SPAN 1 TO 5	C.P.285	12	12
FRAMING PLAN	C.P.286	13	13
STRUCTURAL STEEL DETAILS	C.P.287	14	14
	C.P.288	15	15
	C.P.289	16	16
	C.P.290	17	17
	C.P.291	18	18
	C.P.292	19	19
	C.P.293	20	20
	C.P.294	21	21
	C.P.297	22	22
SUPERSTRUCTURE CONC. DETAILS	C.P.298	23	23
	C.P.299	24	24
	C.P.300	25	25
	C.P.312	26	26
	C.P.314	27	27
	C.P.315	28	28
	C.P.318	29	29
BILL OF MAT & BAR SCHEDULE	C.P.313	30	30
ROCKERS, ROLLERS, PLATES	C.P.295	31	31
	C.P.296	32	32
SPANS 4-5-6-7-8 FRAMING PLAN	C.P.203	33	33
STRUCTURAL STEEL DETAILS	C.P.204	34	34
SUPERSTRUCTURE CONC. DETAILS	C.P.205	35	35
	C.P.206	36	36
	C.P.263	37	37
PIERS & 9 ROCKERS, ROLLERS, PLATES	C.P.207	38	38
SPANS 9-10-11 FRAMING PLAN	C.P.208	39	39
STRUCTURAL STEEL DETAILS	C.P.209	40	40
SUPERSTRUCTURE CONC. DETAILS	C.P.210	41	41
	C.P.211	42	42
PIERS & 12 ROCKERS, ROLLERS, PLATES	C.P.212	43	43
SPANS 12-13-14-15-16 FRAMING PLAN	C.P.213	44	44
STRUCTURAL STEEL DETAILS	C.P.214	45	45
	C.P.415	46	46
SUPERSTRUCTURE CONC. DETAILS	C.P.215	47	47
	C.P.216	48	48
	C.P.458	49	49
PIERS & 17 ROCKERS, ROLLERS, PLATES	C.P.217	50	50
PIER 16 TO 17 ENCLOSURE WALLS	C.P.416	51	51
RAMPS PIER 12 TO 14R FRAMING PLAN	C.P.218	52	52
SUPERSTR CONC DETAILS	C.P.219	53	53
CONC. DET. ROCKERS, ETC.	C.P.220	54	54
EXPANSION DEVICE PIER 1	C.P.425	55	55
PIER 1	C.P.426	56	56
PIER 4	C.P.427	57	57
PIER 4	C.P.223	58	58
PIER 9	C.P.224	59	59
PIER 9	C.P.225	60	60
PIER 12	C.P.226	61	61
PIER 12	C.P.227	62	62
PIER 16 & 17	C.P.228	63	63
PIER 17	C.P.229	64	64
PIER 17	C.P.230	65	65
PIER 4	C.P.465	66	66
KEY LOCATION OF HANDRAIL & LIGHT STANDARDS	C.P.441	67	67
HANDRAIL DETAILS PIERS 1 TO 12	C.P.434	68	68
PIERS 12 TO 17 & RAMPS	C.P.435	69	69
NORTH SIDE PIERS 1 TO 6	C.P.436	70	70
EAST SIDE CANAL ST	C.P.439	71	71
WEST	C.P.440	72	72
GENERAL HANDRAIL DETAILS	C.P.437	73	73
	C.P.438	74	74

DESCRIPTION	DRAWING NO.	SEC 062-	SEC 062-
		2424.3	2424.4
		SHEET NO.	SHEET NO.
EXPANSION BEARING FOR PIERS 1 THRU 14	C.P.354	75	75
PIER 1	C.P.308	76	76
	C.P.307	77	77
	C.P.307	78	78
	C.P.308	79	79
	C.P.236	80	80
	C.P.237	81	81
	C.P.238	82	82
	C.P.239	83	83
	C.P.240	84	84
	C.P.241	85	85
	C.P.242	86	86
	C.P.243	87	87
	C.P.244	88	88
	C.P.245	89	89
	C.P.246	90	90
	C.P.247	91	91
	C.P.248	92	92
	C.P.249	93	93
	C.P.250	94	94
	C.P.251	95	95
	C.P.252	96	96
	C.P.253	97	97
	C.P.254	98	98
	C.P.255	99	99
	C.P.256	100	100
	C.P.257	101	101
	C.P.258	102	102
	C.P.259	103	103
	C.P.260	104	104
	C.P.261	105	105
	C.P.262	106	106
	C.P.413	107	107
KEY LOCATION OF INLETS & DOWN SPOUTS	C.P.459	108	108
SUPERSTRUCTURE DRAINAGE	C.P.460	109	109
	C.P.461	110	110
	C.P.462	111	111
	C.P.463	112	112
RAMP & SERVICE DRIVE STRUCTURES	C.P.323	113	113
	C.P.324	114	114
	C.P.325	115	115
	C.P.326	116	116
	C.P.327	117	117
	C.P.328	118	118
	C.P.344	119	119
	C.P.345	120	120
	C.P.355	121	121
	C.P.356	122	122
	C.P.357	123	123
	C.P.444	124	124
RET. WALL ROW EAST OF DES PLAINES ST.	C.P.302	125	125
EAST SIDE OF DES PLAINES ST.	C.P.303	126	126
& SIDEWALK WEST SIDE OF CANAL ST.	C.P.394	127	127
CANAL ST NORTH OF VAN BUREN ST.	C.P.405	128	128
EAST SIDE OF CANAL ST.	C.P.403	129	129
	C.P.404	130	130
	C.P.321	131	131
	C.P.322	132	132
	C.P.422	133	133
WEST	C.P.377	134	134
R.O.W. EAST OF CLINTON ST.	C.P.376	135	135
	C.P.379	136	136
	C.P.380	137	137
	C.P.381	138	138
	C.P.383	139	139
	C.P.384	140	140
GENERAL PLAN CANAL ST STRUCT AT HARRISON ST	C.P.370	141	141
GENERAL DETAILS	C.P.424	142	142
CHANGES IN	C.P.303	143	143
	C.P.340	144	144
	C.P.341	145	145
	C.P.342	146	146
	C.P.343	147	147
	C.P.362	148	148
PLAN AND PROFILE SERVICE DRIVES ON CONGRESS ST.	C.P.529	149	149
DES PLAINES ST. (ROADWAY)	C.P.530	150	150
CANAL ST. (ROADWAY)	C.P.531	151	151
TYPICAL CROSS SECTIONS DES PLAINES ST & SERVICE DRIVES	C.P.532	152	152
" " CANAL ST. " " "	C.P.533	153	153
CURB & GUTTER AND JOINT LAYOUT	C.P.534	154	154
CROSS SECTIONS 13 SHEETS	C.P.535-547	155-167	155-167
DETAIL OF SIDEWALKS	C.P.548	168	168
" " P.C.C. RETURN	C.P.548	168	168
" " CURB AND GUTTER	C.P.548	168	168

DESCRIPTION	DRAWING NO.	SEC 062-	SEC 062-
		2424.3	2424.4
		SHEET NO.	SHEET NO.
DRAINAGE LAYOUT	C.P.551	169	169
TYPE A-2 MANHOLE	C.P.552	170	170
TYPE A INLET	C.P.552	170	170
TYPE A-2 CATCH BASIN	C.P.552	170	170
TYPE 31 C.S.G. FRAME & GRATE	C.P.553	171	171
TYPE 32 C.A.G. FRAME & GRATE	C.P.553	171	171
STANDARD FRAMES & GRATES	C.P.553	171	171
DETAIL OF CONTRACTION JOINT		172	172
DETAIL OF LONGITUDINAL METAL JOINT		172	172
NAME PLATES		172	172
GENERAL PLAN FOR ELECTRICAL WORK		173	173
BILL OF MATERIAL		173	173
LIGHTING CONDUIT CONNECTIONS		174	174
(CONT'D)		175	175
TRANSFORMER BOX & PULL BOX DETAILS		176	176
DETAILS OF STANDARD HANDHOLE & STA. 361+00		176	176
CONDUIT SUSPENSION DETAILS		176	176
SERVICE DRIVE CONNECTION DETAILS		180	180
CONDUIT SECTIONS EAST SIDE OF CANAL ST.		181	181
DETAIL OF BRICK ENCLOSURE		181	181
ELECTRICAL INSTALLATIONS MANHOLE DETAILS		181	181
STANDARD PAVEMENT FABRIC		181A	181A
DETAIL OF RISER VAULT		181A	181A
STANDARD SYMBOLS		181A	181A

REVISIONS			
DATE	BY	DESCRIPTION	
10/20/90	W. Erickson	FOR REVISIONS	

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICKSON
REGIMENT BOARD OF COMMISSIONERS

GEORGE A. QUINLAN
SUPPORTIVE DEPT. OF HIGHWAYS

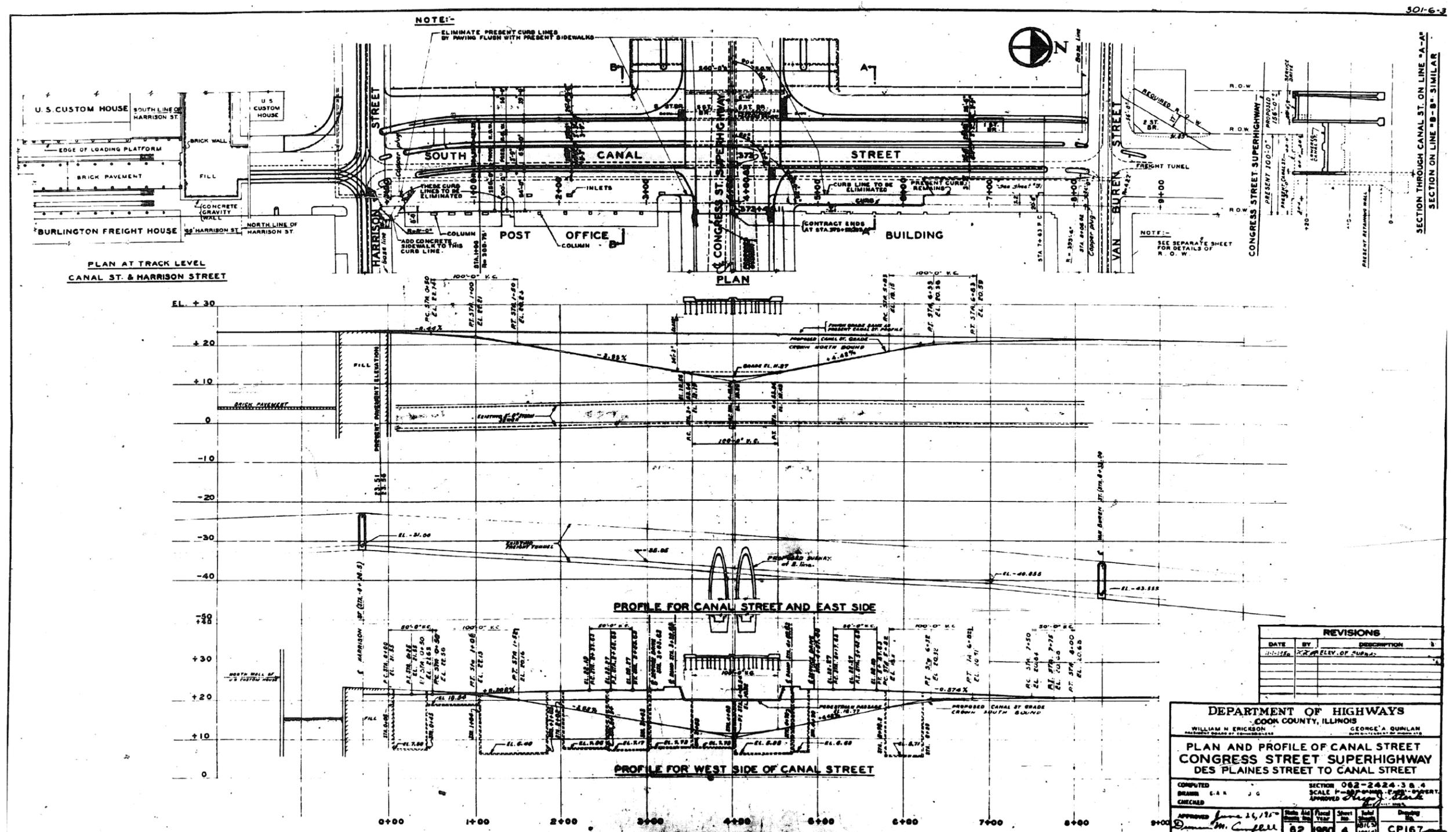
INDEX OF DRAWINGS
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPLETED H.A.O. SECTION 062-2424.3
DRAWN F.S.R. SCALE APPROVED *W. Erickson*
CHECKED

APPROVED *James M. Carr* State Aid Route No. 62 Fiscal Year 1950 Sheet No. 2 Total Sheets 181 Drawing No. C.P.432

0160461-60X75-5147-EXT.dgn

FOR INFORMATION ONLY



REVISIONS			
DATE	BY	DESCRIPTION	
11-11-66	XX	ELV. OF 42.85	1

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICSON
COUNTY ENGINEER

GEORGE A. QUINLAN
SUPERVISOR OF HIGHWAYS

**PLAN AND PROFILE OF CANAL STREET
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET**

COMPUTED BY: C.A.R. J.G.
DRAWN BY: C.A.R. J.G.
CHECKED BY: J.G.

SECTION 062-2424-38.4
SCALE: HORIZONTAL - AS SHOWN
VERTICAL - 1" = 10'

APPROVED: *James H. Kelly*
DATE: June 16, 1966

Sheet No.	62
Year	1966
Sheet No.	4
Project No.	CP167

0160461-60X75-5149-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld
DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG
PLOT SCALE = N.T.S.
PLOT DATE = 5/8/2017

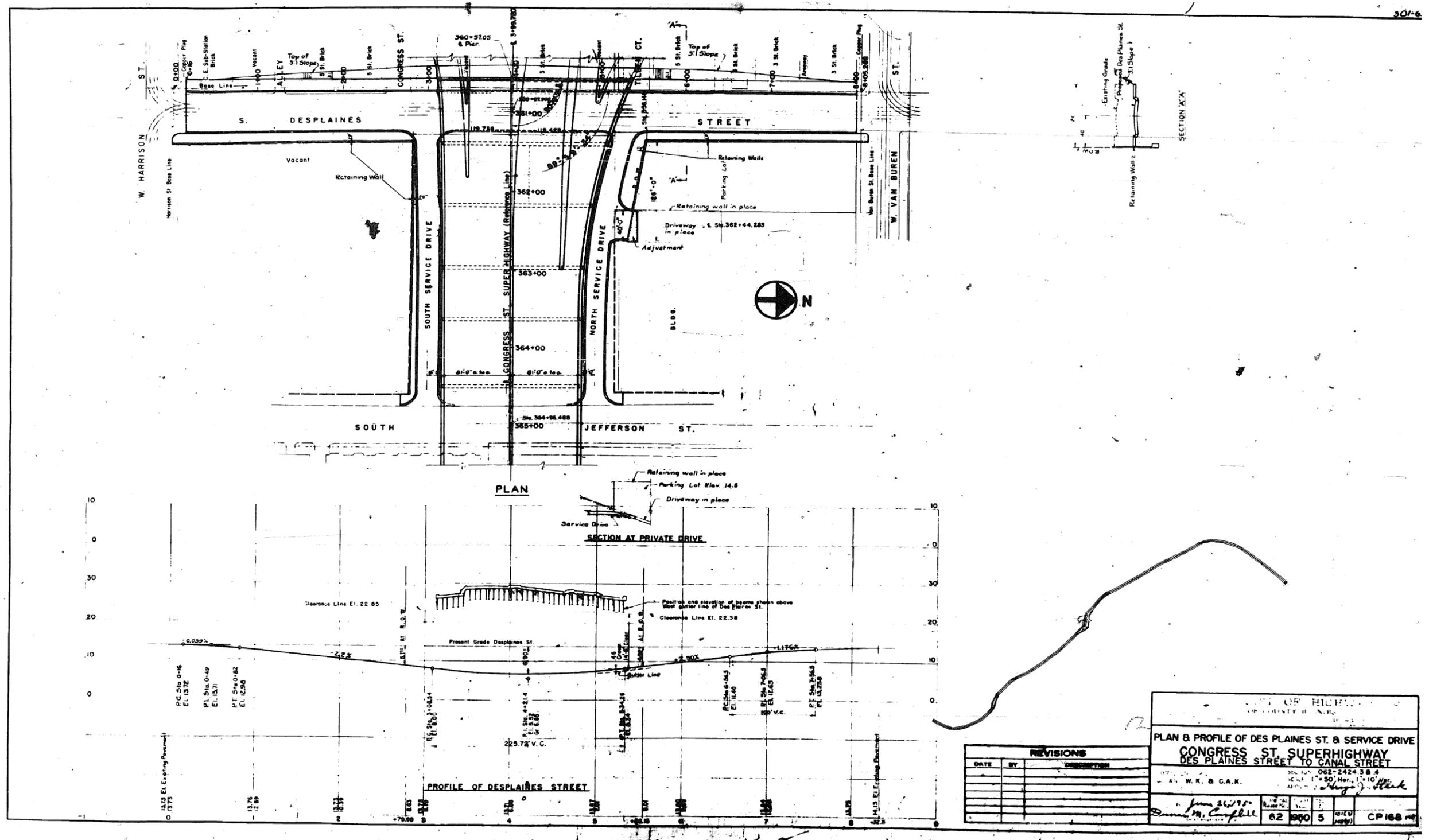
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 4 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	433
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X75-5150-EXT.dgn

**PARSONS
BRINCKERHOFF**

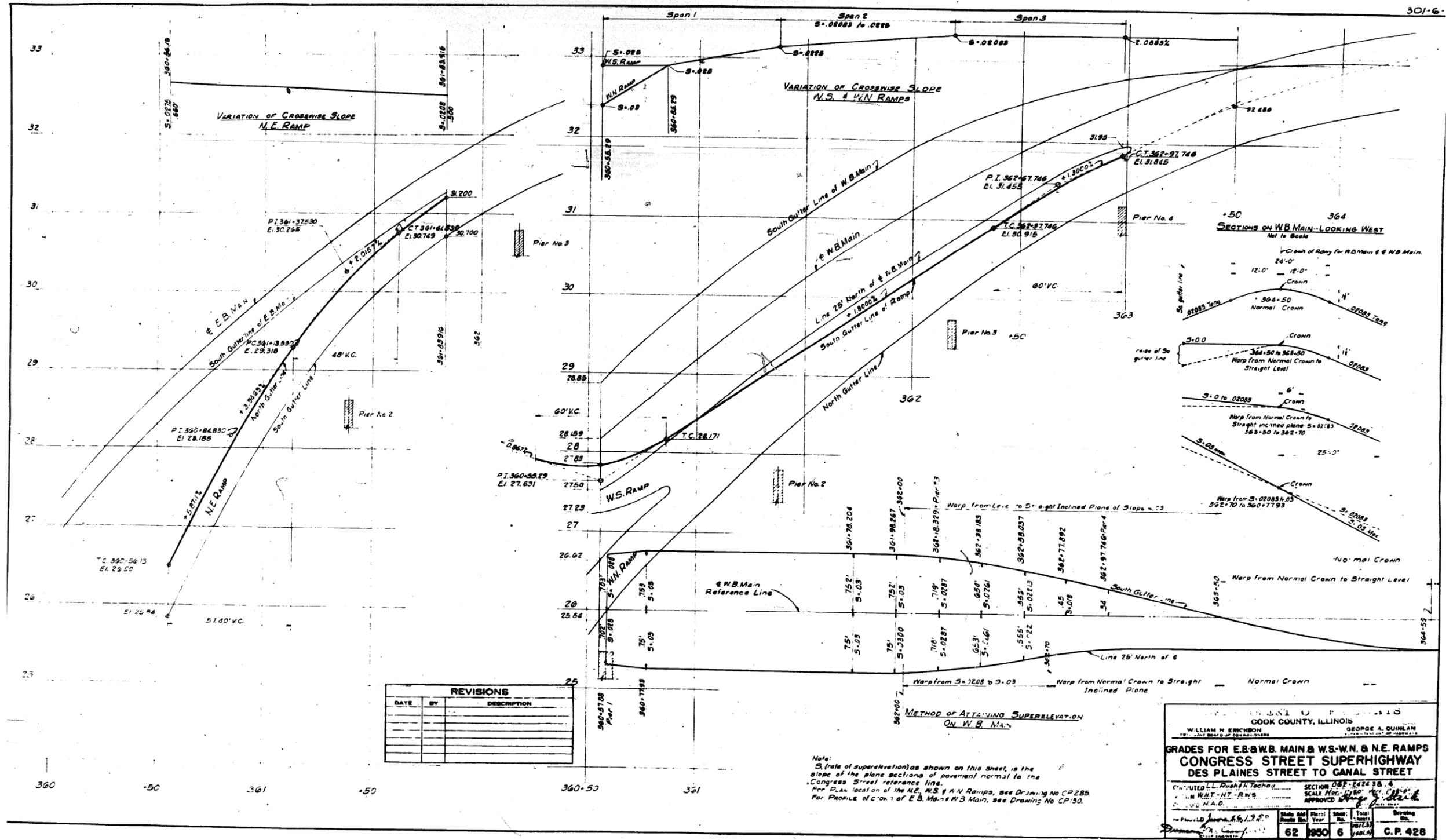
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 5 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	434
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X75-5151-EXT.dgn

PARSONS BRINCKERHOFF

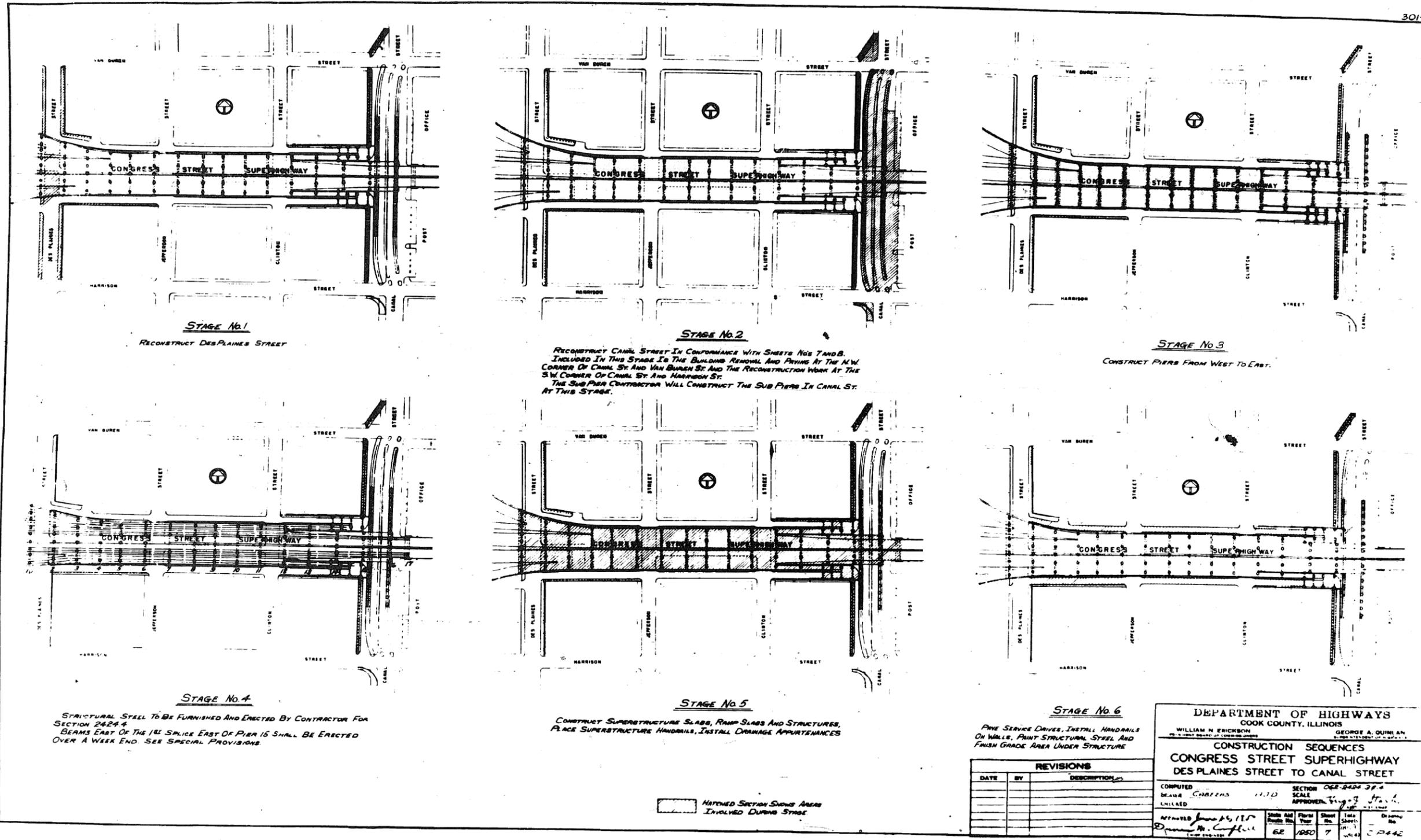
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 6 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	435
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICKSON
GEORGE A. QUINN, JR.
ILLINOIS STATE ENGINEER

CONSTRUCTION SEQUENCE
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED BY: CHADERS 11.10 SECTION: 062-2424.3P.4
SCALE: APPROXIMATE
DRAWN BY: JIG
DATE: 5/8/2017

State and Federal Aid	Fiscal Year	Sheet No.	Total Sheets	Drawn By
62	1950	7	436	JIG

0160461-60X75-5152-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

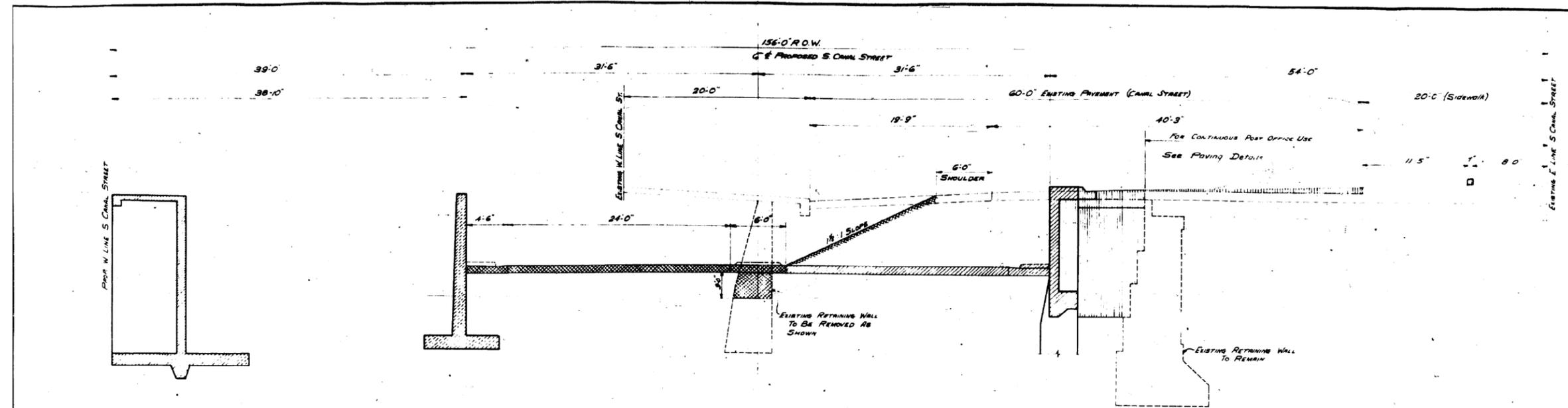
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 7 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	436
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

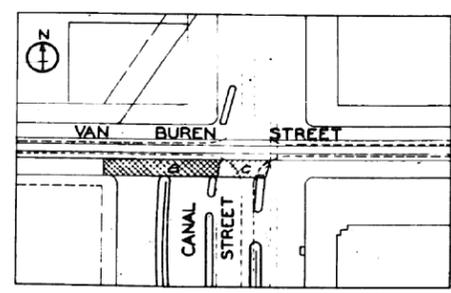
301-6-3



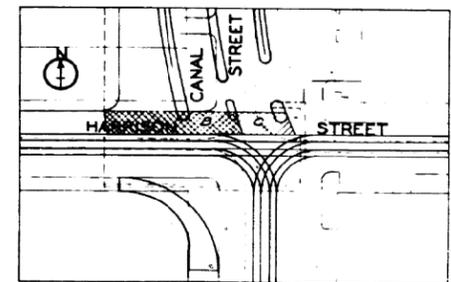
TYPICAL SECTION CANAL STREET
VIEW NORTH

STAGE No. 2

- PHASE A** [Hatched] BUILD TWO WEST RETAINING WALLS FROM HARRISON ST. TO VAN BUREN ST. AND RECONSTRUCT N.W. CORNER OF CANAL ST. AND VAN BUREN ST. AND RECONSTRUCT S.W. CORNER OF CANAL ST. AND HARRISON ST. THE EXISTING PAVEMENT OF CANAL ST. REMAINING UNDISTURBED AT GRADE.
- PHASE B** [Dotted] CUT AND PAVE WEST 34'-6\"/>



PAVEMENT
CANAL STREET & VAN BUREN STREET



PAVEMENT
CANAL STREET & HARRISON STREET

REVISIONS		
DATE	BY	DESCRIPTION
5/15/10	AS	As Per Interference Requirements

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

CONSTRUCTION SEQUENCES
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]

DATE: June 24, 1950

0160461-60X75-5153-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

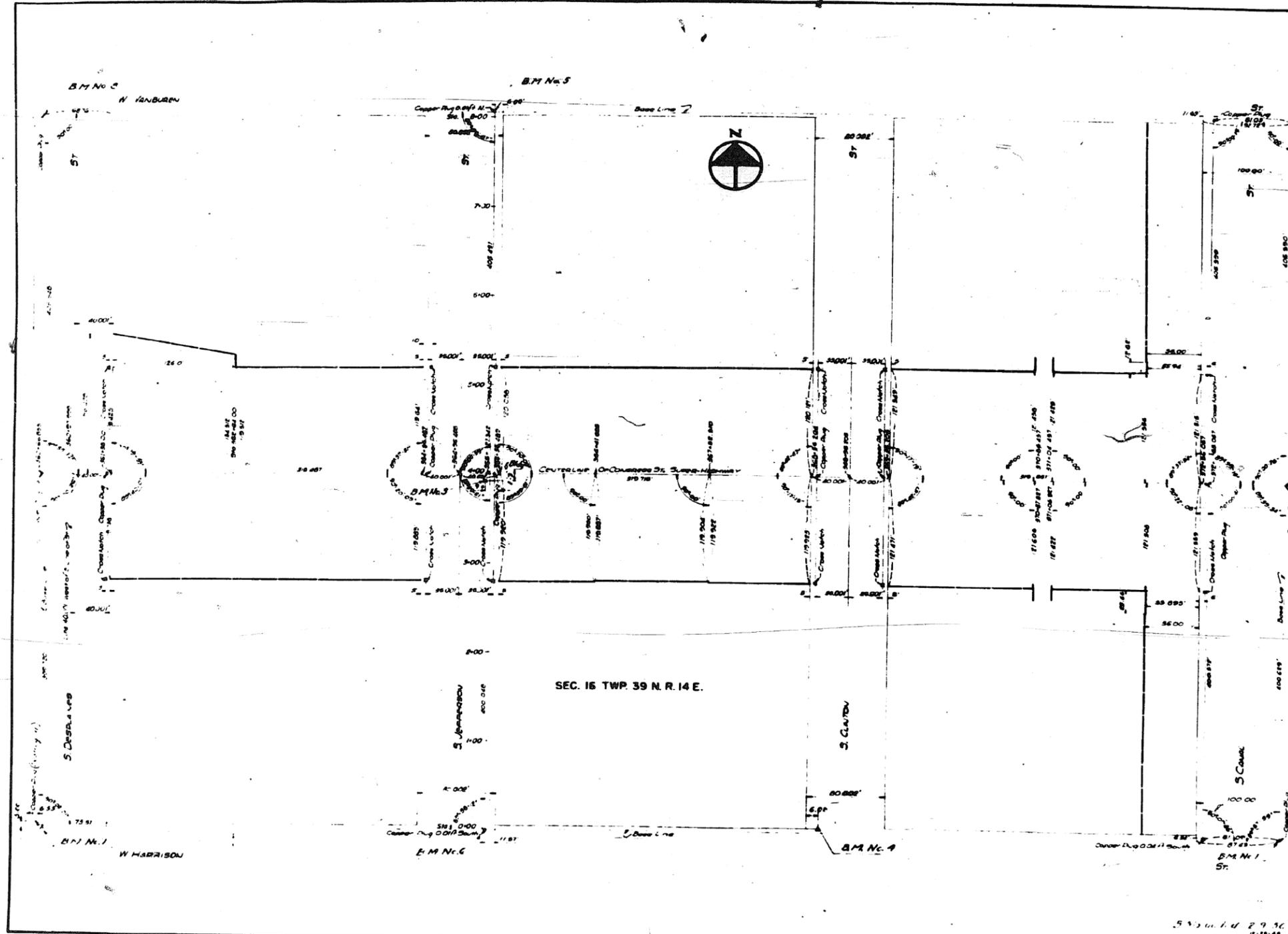
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 8 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	437
CONTRACT NO. 60X75				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

901-6-3



BENCH MARKS

No.	Description	Elevation
1	Copper plug NE cor Canal and Harrison Sts	24.111
2	Copper lug S.E. cor Canal and Van Buren Sts	22.739
3	X on sidewalk Jefferson and Congress Sts	13.965
4	Δ cut NW cor Clinton and Harrison Sts	13.909
5	Copper plug S.E. cor Jefferson and Van Buren Sts	14.124
6	Plug N.E. cor Jefferson and Harrison Sts	14.010
7	Δ cut in sidewalk NW cor Harrison and Des Plaines Sts	13.902
8	Copper plug S.W. cor Des Plaines and Van Buren Sts	14.127

Note: Above BM's from field notes #2011 dated 9/24/46

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. ERICHSON
CHIEF ENGINEER

GEORGE A. GUNLAW
DEPUTY CHIEF ENGINEER

PLAN OF RIGHT OF WAY
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET

COMPUTED BY CHICAGO GUARANTEE SURVEY CO. SETTING OF BEARS AND A LEFT
DRAWN BY [Signature] 1/24/50
CHECKED BY [Signature] 1/24/50

APPROVED [Signature] 1/24/50

Sheet No.	62	Total Sheets	194	Drawing No.	C.P. 198
Date	1-24-50	Scale	1" = 40'	Project	

0160461-60X75-5154-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

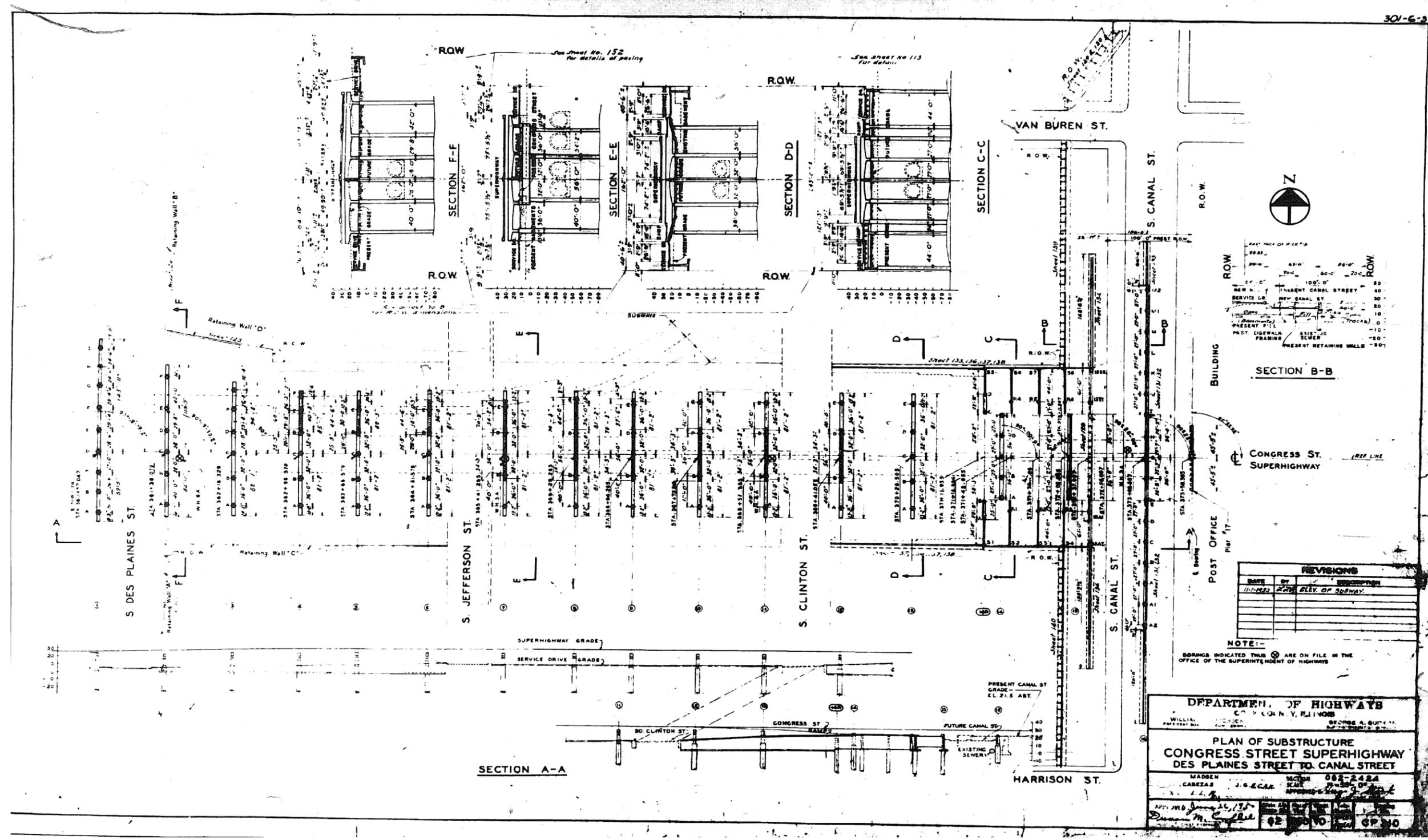
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 9 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	438
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2



NOTE: BORINGS INDICATED THIS ARE ON FILE IN THE OFFICE OF THE SUPERINTENDENT OF HIGHWAYS

DATE	BY	REVISIONS
11-1-82	R&B	ELLY OF SPRAWL

DEPARTMENT OF HIGHWAYS
 COUNTY OF ILLINOIS

PLAN OF SUBSTRUCTURE
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

MADSEN
 CABEZAS
 J.S. E.C.A.M.
 082-2424
 11/1/82

POST OFFICE
 Pier 17

0160461-60X75-5155-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

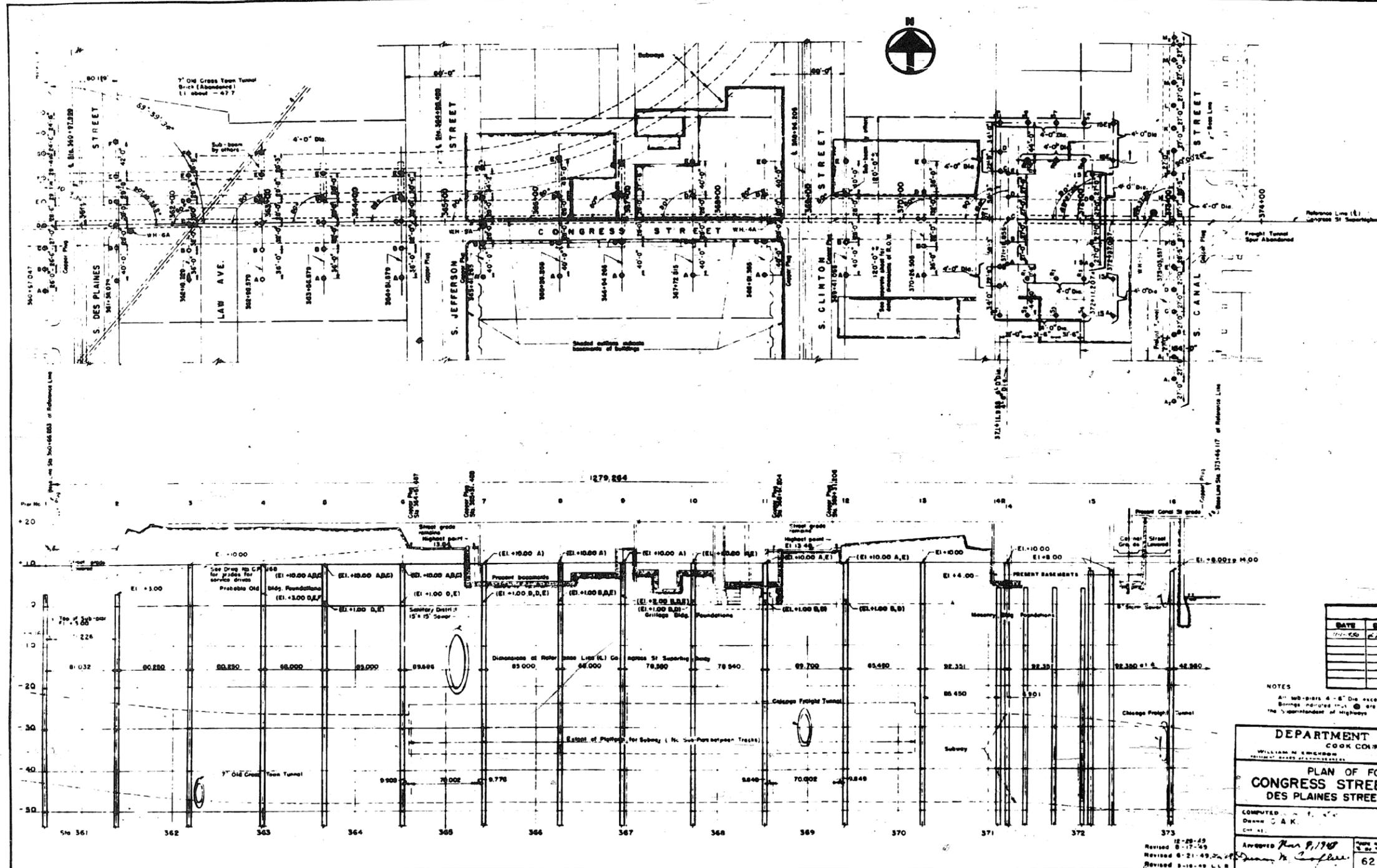
EXISTING PLANS
STRUCTURE NO. 016-0461
 SHEET NO. 10 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	439
CONTRACT NO. 60X75				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION
11-15-50	W.A. Quinlan	Issue for Construction

NOTES
 All 48" dia. 4'-6" dia. except as noted.
 Borings indicated by \odot are in the file in the office of the Superintendent of Highways.

DEPARTMENT OF HIGHWAYS
 COOK COUNTY ILLINOIS

PLAN OF FOUNDATIONS
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

SECTION 052-0224.3 & 4 M.F.T.

COMPUTED BY: W.A. QUINLAN
 DRAWN BY: G.A.K.
 CHECKED BY: J.G.

APPROVED: *[Signature]*
 DATE: 11/15/50

62 1950 11 15/11/51 C.P.197

0160461-60X75-5156-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 11 OF 194 SHEETS

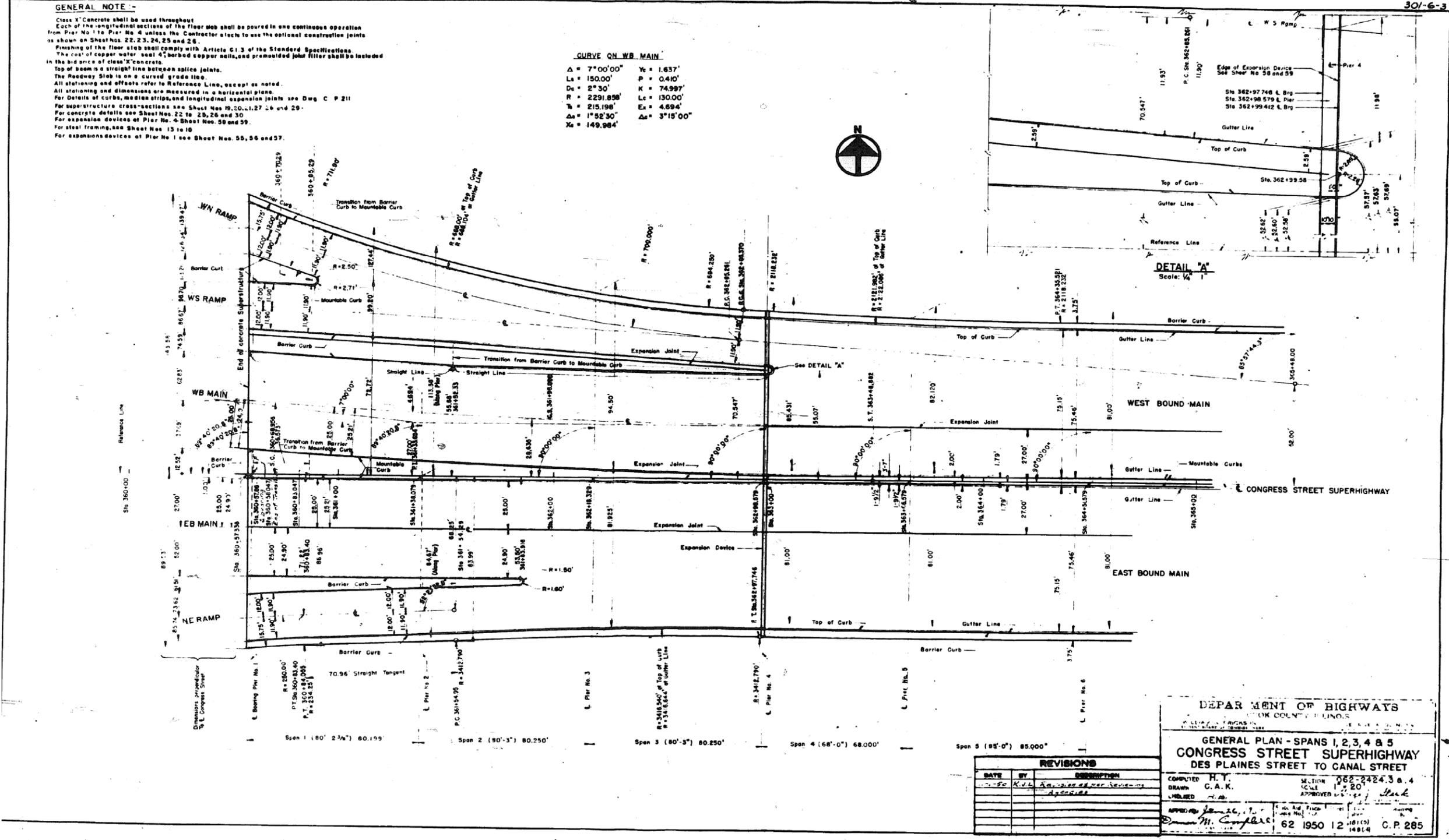
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	440
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

GENERAL NOTE -

Class "X" Concrete shall be used throughout.
 Each of the longitudinal sections of the floor slab shall be poured in one continuous operation from Pier No. 1 to Pier No. 4 unless the Contractor elects to use the optional construction joints as shown on Sheets Nos. 22, 23, 24, 25 and 26.
 Finishing of the floor slab shall comply with Article C1.3 of the Standard Specifications.
 The cost of copper water seal #4 barbed copper nails, and premoistened joint filler shall be included in the bid price of class "X" concrete.
 Top of beam is a straight line between splice joints.
 The Roadway Slope is on a curved grade line.
 All stationing and offsets refer to Reference Line, except as noted.
 All stationing and dimensions are measured in a horizontal plane.
 For Details of curbs, median strips, and longitudinal expansion joints see Det. C. P. 211.
 For superstructure cross-sections see Sheets Nos. 19, 20, 21, 27, 28 and 29.
 For concrete details see Sheet Nos. 27 to 29, 28 and 30.
 For expansion devices at Pier No. 4 see Sheet Nos. 58 and 59.
 For steel framing, see Sheet Nos. 13 to 18.
 For expansion devices at Pier No. 1 see Sheet Nos. 55, 56 and 57.

CURVE ON WB MAIN
 $\Delta = 7^{\circ}00'00''$ $Y_c = 1.637'$
 $L_s = 150.00'$ $P = 0.410'$
 $D_c = 2^{\circ}30'$ $K = 74.997'$
 $R = 2291.858'$ $L_c = 130.00'$
 $T_s = 215.198'$ $E_c = 4.694'$
 $\Delta_s = 1^{\circ}52'30''$ $\Delta_c = 3^{\circ}15'00''$
 $X_c = 149.984'$



DEPARTMENT OF HIGHWAYS
 ILLINOIS
 GENERAL PLAN - SPANS 1, 2, 3, 4 & 5
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

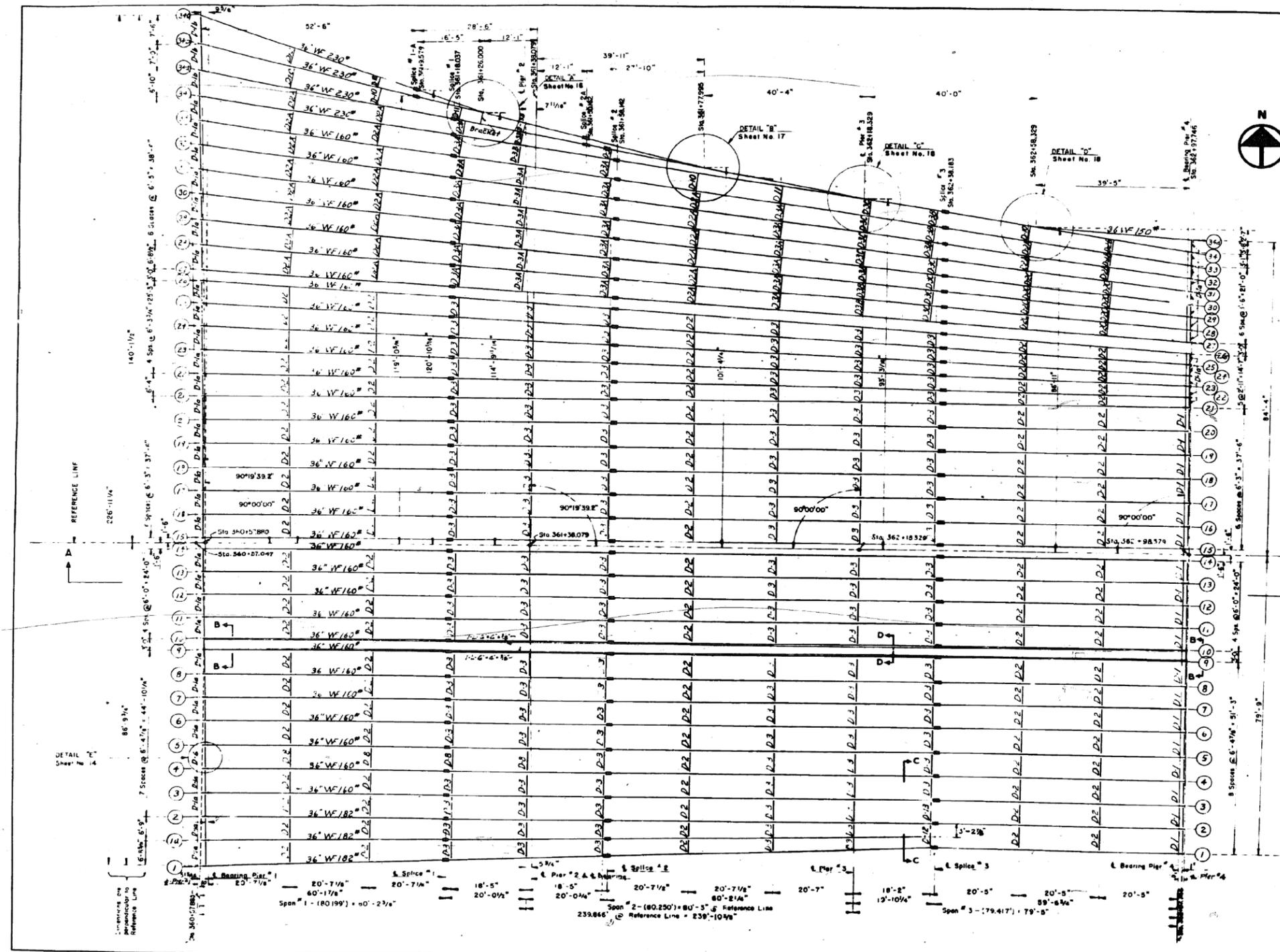
DATE	BY	DESCRIPTION
10-50	K.V.L.	As shown over Survey

COMPLETED BY: H.T.
 DRAWN BY: C.A.K.
 CHECKED BY: [Signature]
 APPROVED BY: [Signature]
 SECTION: 062-2424.3 & 4
 SCALE: 1" = 20'
 SHEET NO.: 12 OF 194
 CONTRACT NO.: 62 1950 12 C.P. 285

0160461-60X75-5157-EXT.dgn

FOR INFORMATION ONLY

301-C-



GENERAL STRUCTURAL STEEL NOTES:

Structural Steel shall be carbon steel and shall conform to ASTM-A-7 Specifications amended to date.

Rivets for WF beams shall be 7/8" with 15/16" open holes. All field connections shown in Details A, B, C, D the holes for the rivets shall be sub-punched 1/8" and reamed to fit.

Before any reaming is done, all stringers of a continuous unit shall be assembled in their proper positions with or without the diaphragms in place. Match mark and leave assembled for inspection.

Welding shall conform to the Specifications of the American Welding Society for Highway and Railway Bridges 1947 amended to date.

Contact surfaces of shop welded or shop riveted structural steel shall not be painted. See Specifications concerning inaccessible surfaces. Tops of beams that are to have concrete poured in contact with them shall not be painted, except that over abutments and piers such surfaces shall be painted for a distance of 5 feet each way from the bearing.

Structural steel shall be inspected by the Illinois Division of Highways before painting.

The structural steel shall be given one shop coat of red lead paint and two field coats of aluminum paint.

REVISIONS		
DATE	BY	DESCRIPTION
11-1-31	J.L.B.	Job punching note

NOTES:

Diaphragms between beams 27 and 34 are lined up at nearly perpendicular to beams as is practical except for Diaphragms D-1a and D-1b.

All dimensions are horizontal distances to top of beams.

For Sections A and D see Sheet No. 14

For Sections B and C see Sheet No. 15

For Details see Sheet No. 14 to 18

For Cross-Sections see Sheet No. 19 to 21

For Schematic Plan showing offsets at Piers 1 & 2 see Sheet No. 20.

TOTAL WEIGHT OF STRUCTURAL STEEL
For Spans Nos 13 to 18 TWT = 1,851,265 LBS

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICKSON
PRESIDENT BOARD OF SUPERVISORS

GEORGE A. OUNAN
COMMISSIONER

FRAMING PLAN - SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPILED L. L. B. H. T. SCALE 082-2424.3 & 4
DRAWN H. T. B. G. A. K. SCALE 12'-5"
CHECKED [Signature] APPROVED [Signature]

APPROVED [Signature] 6/26/13
62 1950 13 148(4) C.P. 286

0160461-60X75-5158-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

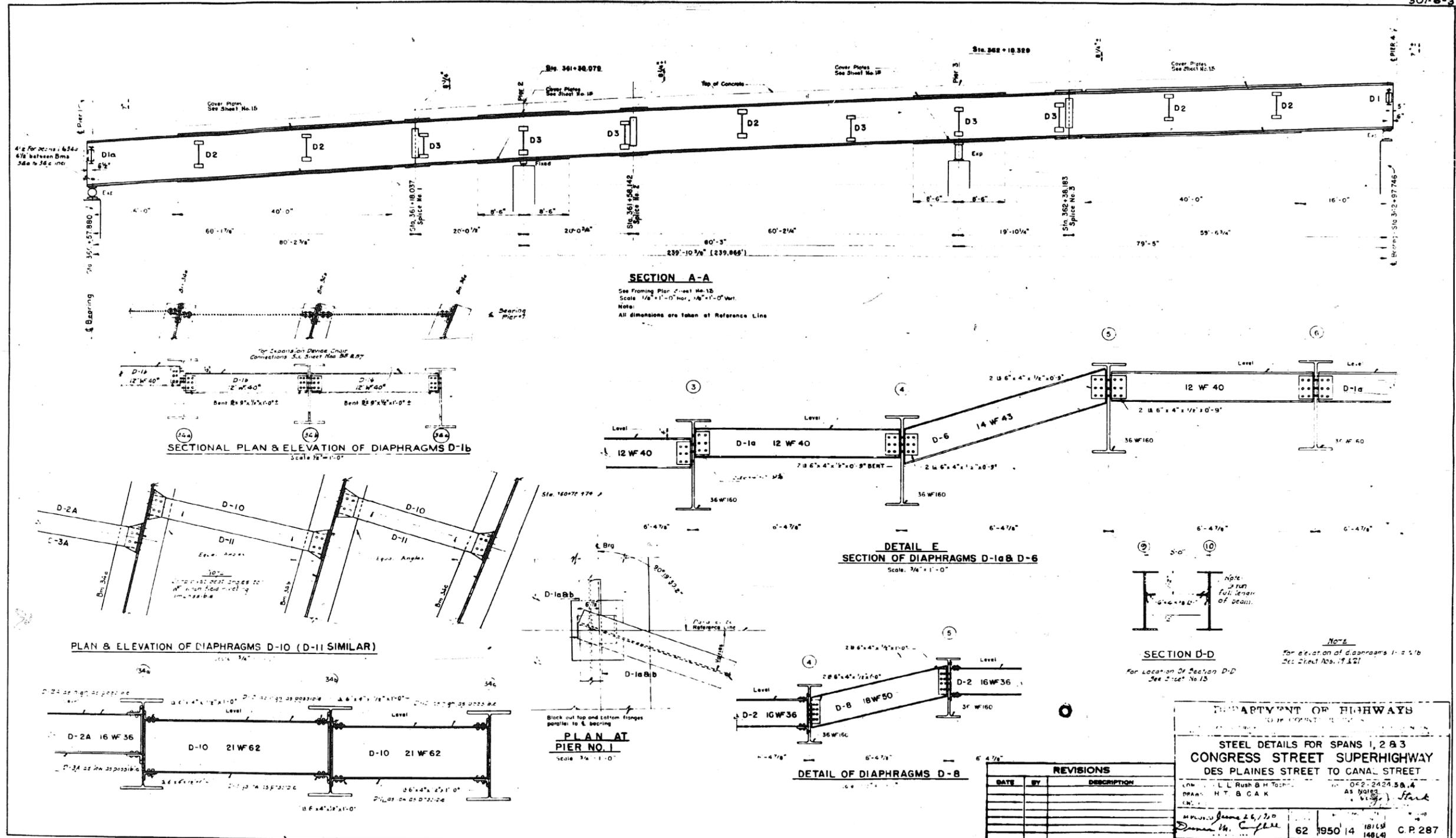
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 13 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	442
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2
301-6-3



DEPARTMENT OF HIGHWAYS
ILLINOIS

**STEEL DETAILS FOR SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET**

CON. L. L. Rush & H. Tolson
DRAWN: H. T. B. C. A. K.
CHECKED: *[Signature]*

DATE: 6/2/2014
DRAWN: 6/2/2014
CHECKED: 6/2/2014

62 1950 14 18119 14814 C.P. 287

0160461-60X75-5159-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

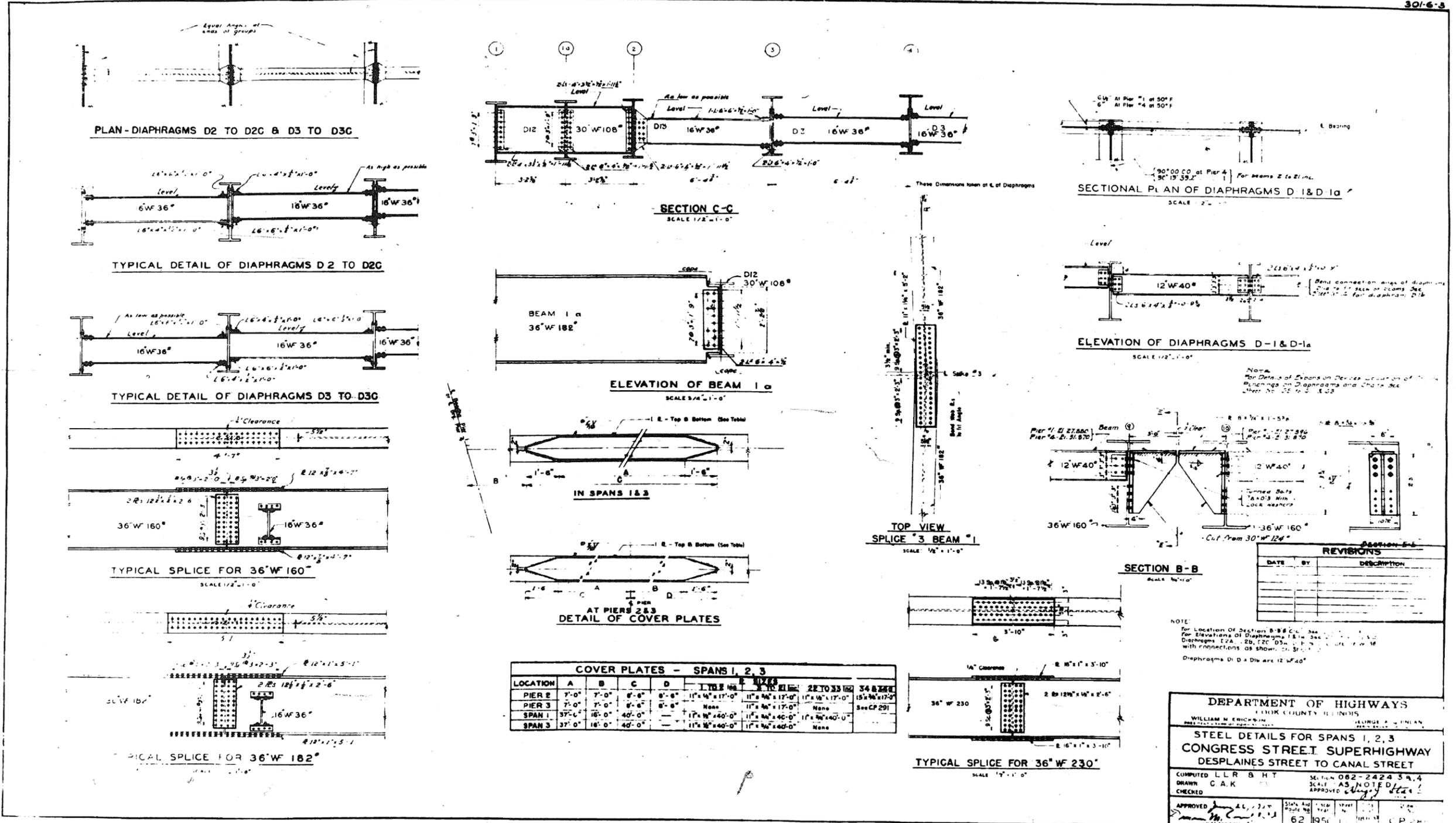
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 14 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	443
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3

301-6-3



COVER PLATES - SPANS 1, 2, 3

LOCATION	A	B	C	D	TYPE	SIZE	2E TO 3E	3E TO 4E
PIER 2	7'-0"	7'-0"	8'-6"	8'-6"	1" x 1/2" x 17'-0"	11" x 1/2" x 17'-0"	11" x 1/2" x 17'-0"	15" x 1/2" x 17'-0"
PIER 3	7'-0"	7'-0"	8'-6"	8'-6"	None	11" x 1/2" x 17'-0"	None	None
SPAN 1	37'-0"	16'-0"	40'-0"	-	11" x 1/2" x 40'-0"	11" x 1/2" x 40'-0"	11" x 1/2" x 40'-0"	None
SPAN 3	37'-0"	16'-0"	40'-0"	-	11" x 1/2" x 40'-0"	11" x 1/2" x 40'-0"	11" x 1/2" x 40'-0"	None

REVISIONS

DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY ILLINOIS
 WILLIAM M. ERICSSON
 JOHN J. HANLEY

STEEL DETAILS FOR SPANS 1, 2, 3
CONGRESS STREET SUPERHIGHWAY
 DESPLAINES STREET TO CANAL STREET

COMPUTED L.L.R.B.H.T. SECTION 082-2424 3A, 4
 DRAWN C.A.K. SCALE AS NOTED
 CHECKED APPROVED

APPROVED: [Signature] DATE: 4/1/2010
 STATE AID ROUTE NO. 62 1951

0160461-60X75-5160-EXT.dgn

PARSONS BRINCKERHOFF

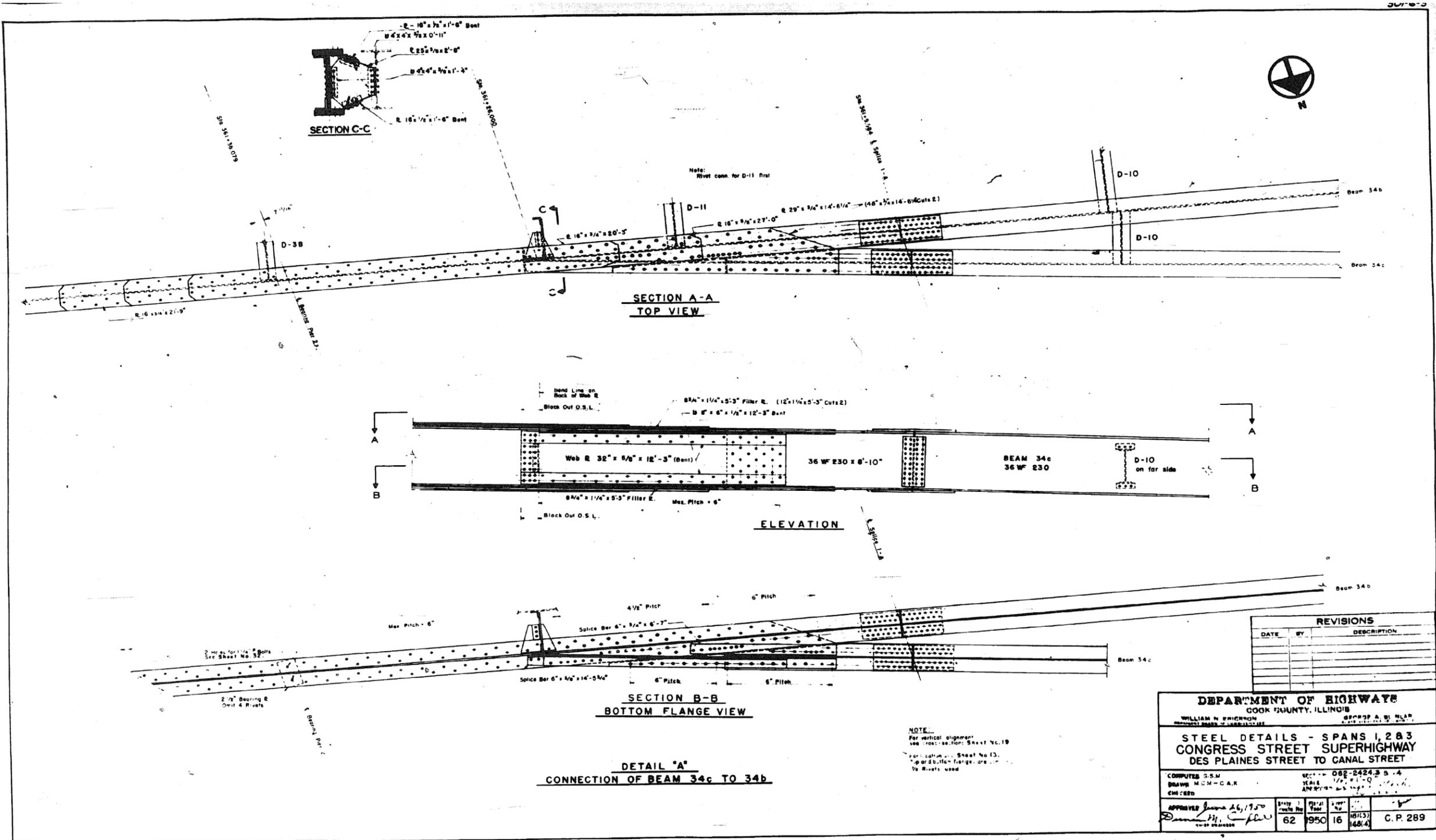
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 15 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	444
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAY
 COOK COUNTY, ILLINOIS
 WILLIAM H. BRINCKERHOFF
 CHIEF ENGINEER

STEEL DETAILS - SPANS 1, 2 & 3
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED G.S.M. 082-2424.3
 DRAWN M.C.M.-C.A.K. 1/2" x 1/4"
 C.H. C.B.D. 1/8" x 1/4"

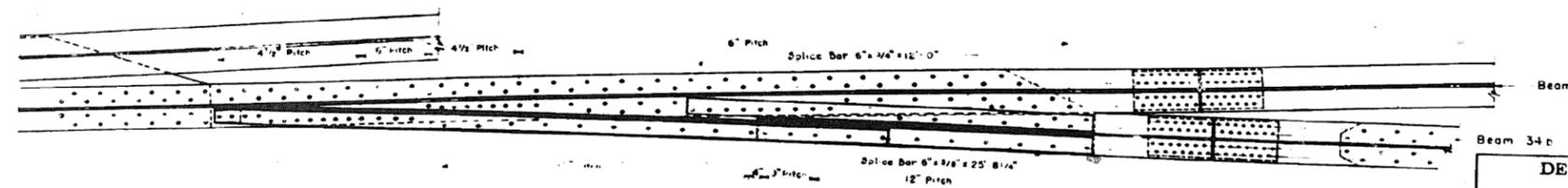
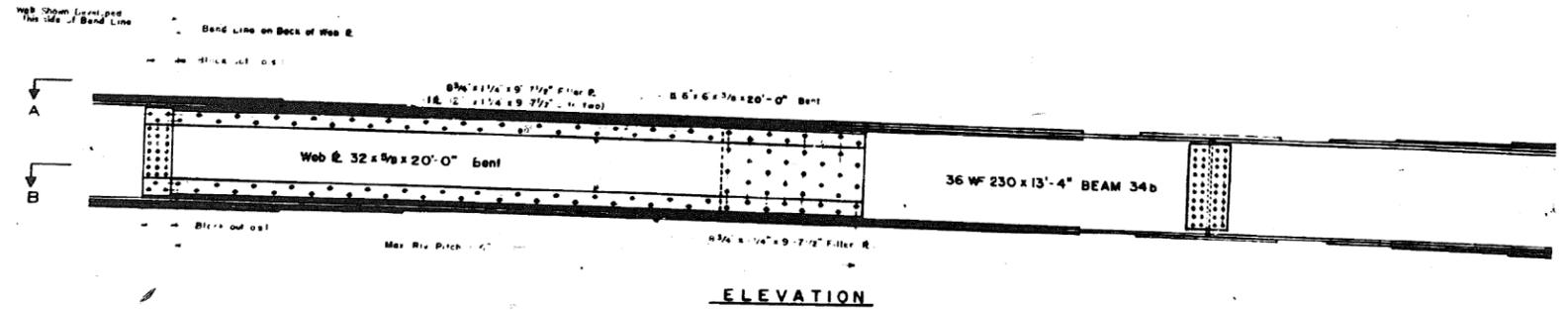
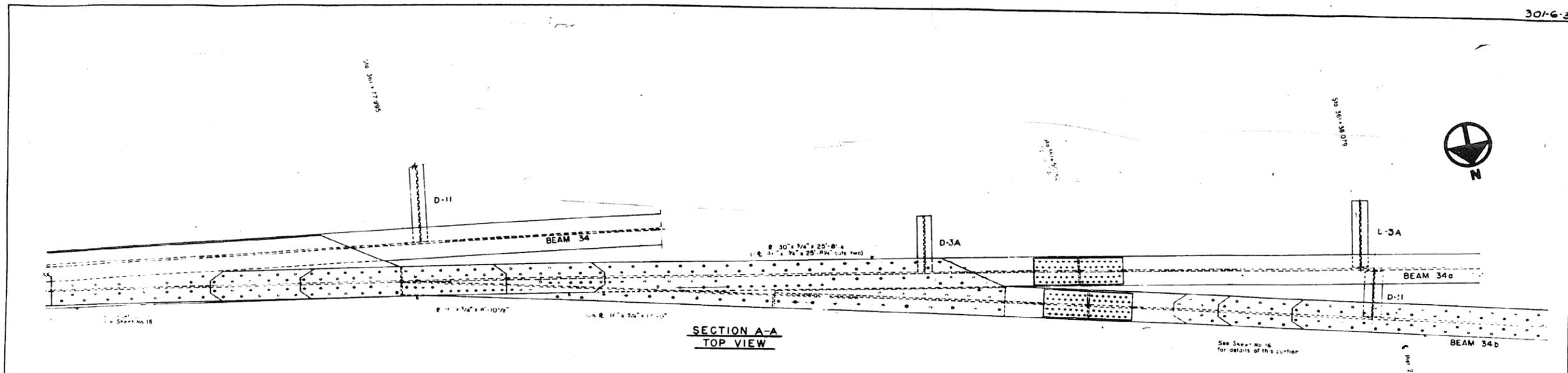
APPROVED June 26, 1950
 [Signature] 167(13)
 62 1950 16 148(4) C.P. 289

NOTE:
 For vertical alignment
 see cross-section Sheet No. 19
 For horizontal alignment, Sheet No. 13.
 If gusset plates are used, use
 1/2" Rivets used

0160461-60X75-5161-EXT.dgn

FOR INFORMATION ONLY

3016-2



DETAIL "B"
CONNECTION OF BEAM 34b TO 34a

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM W. ERICKSON
PRESIDENT BOARD OF SUPERVISORS

GEORGE A. QUINLAN
COMMISSIONER

STEEL DETAILS - SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED G.S.M. SECTION 162 2424 30 4
DRAWN M.C.M. R.B. CAK SCALE 1/4" = 1'-0"
I.E.G. APPROVED [Signature]

State Aid No. 62 Fiscal Year 1950 Sheet No. 17 Total Sheets 148/14 Drawing No. C.P. 290

NOTE:
For vertical alignment see
cross section, Sheet No. 18, 19, 20
E - 1 - 1 of plan, sheet No. 18
Top of bottom flanges are 5/16"
to R.R. used

0160461-60X75-5162-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

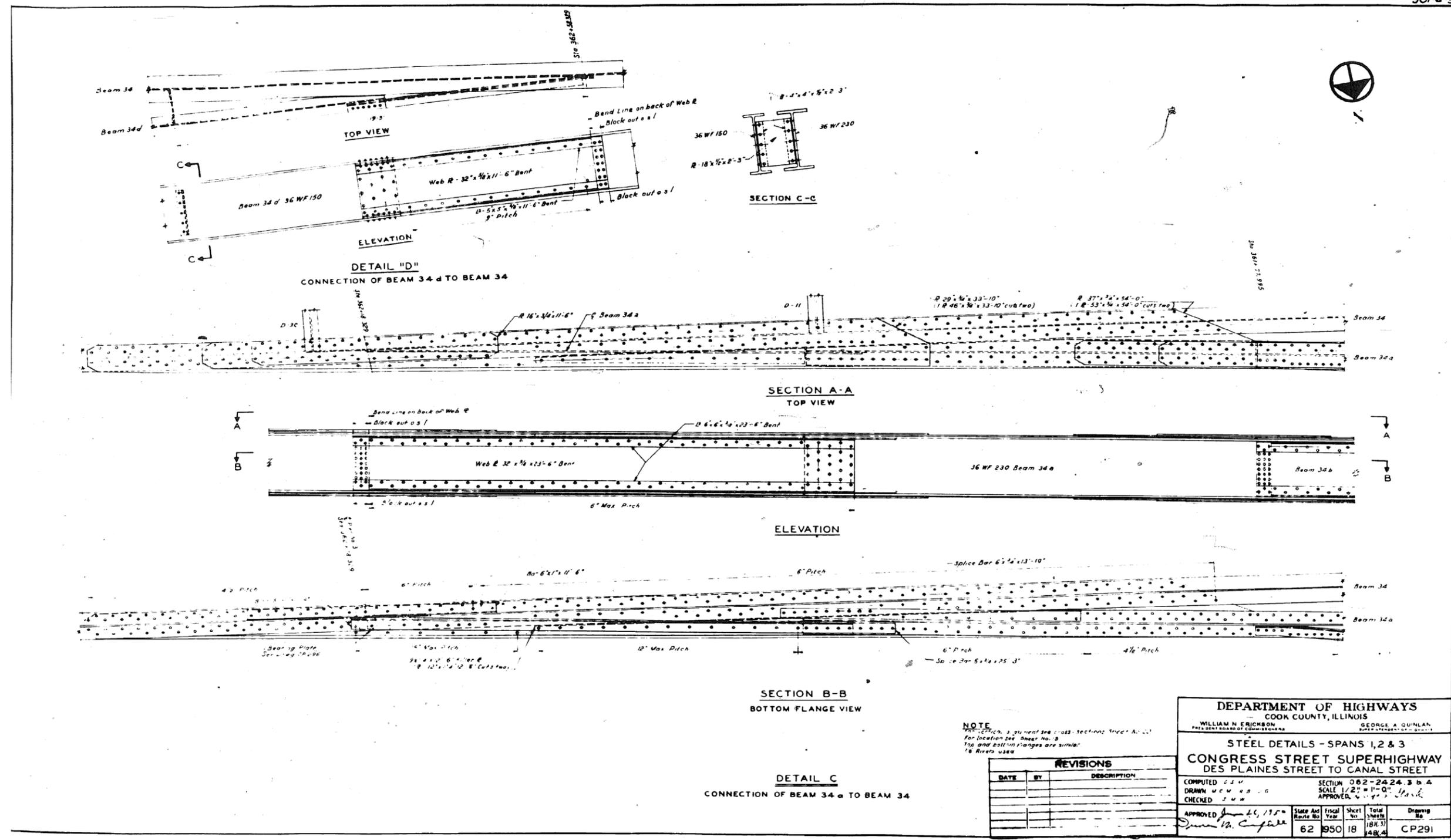
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 17 OF 194 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 446
			CONTRACT NO. 60X75	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-3



NOTE
 1. Section 3.01 and see cross-sections 1, 2, & 3 for location see Sheet No. 3
 Top and bottom flanges are similar
 1/8 Rivets used

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM N. ERICKSON
 PRESIDENT BOARD OF COMMISSIONERS

GEORGE A. QUINLAN
 STATE ENGINEER

STEEL DETAILS - SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED: J.S.H.
 DRAWN: M.C.V.
 CHECKED: J.M.W.

SECTION: 082-24.24.3 & 4
 SCALE: 1/2" = 1'-0"
 APPROVED: [Signature]

State Aid	Fiscal Year	Sheet No.	Total Sheets	Drawings No.
62	950	18	18(3)	CP291

0160461-60X75-5163-EXT.dgn

PARSONS BRINCKERHOFF

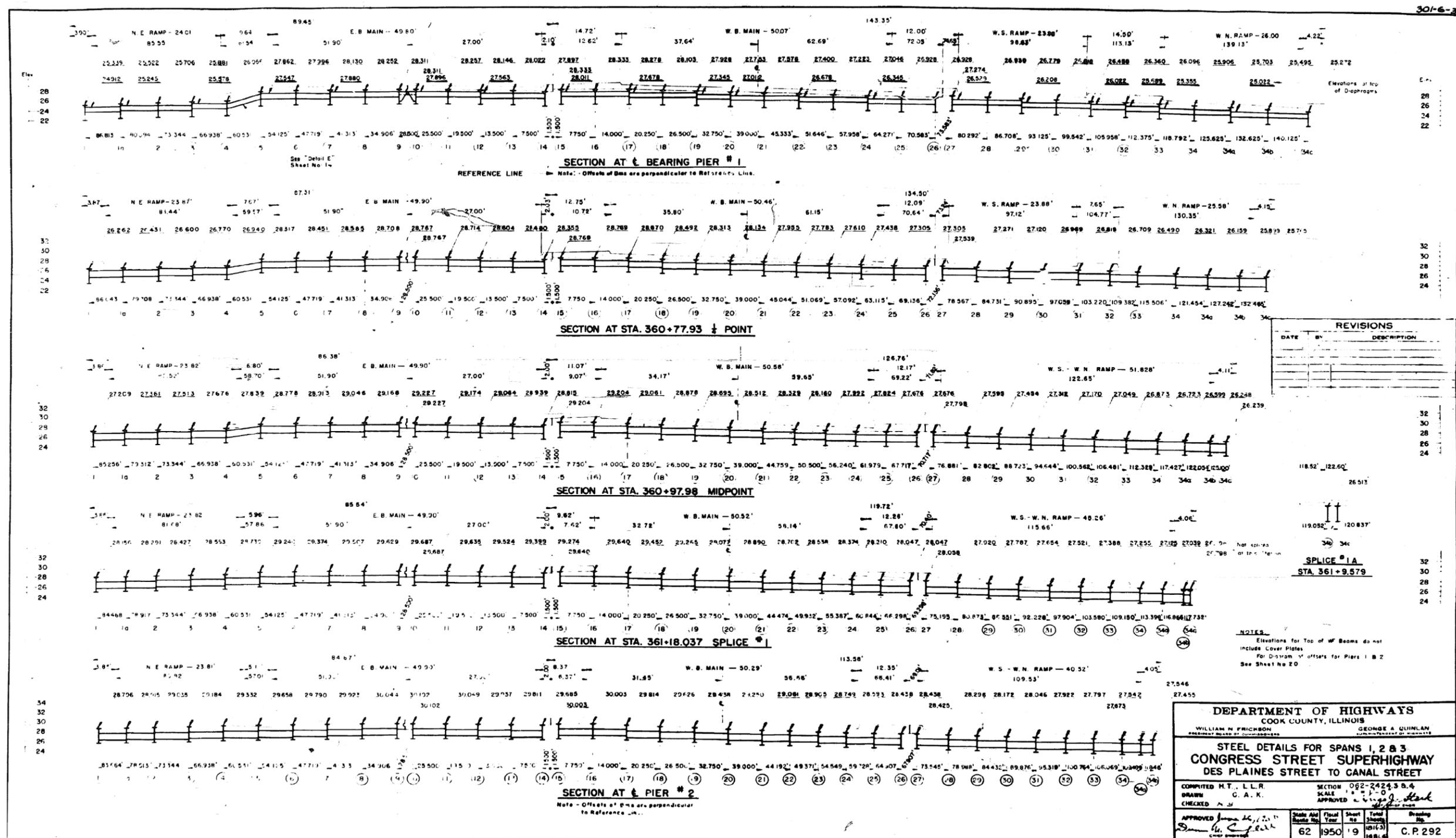
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
 SHEET NO. 18 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	447
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

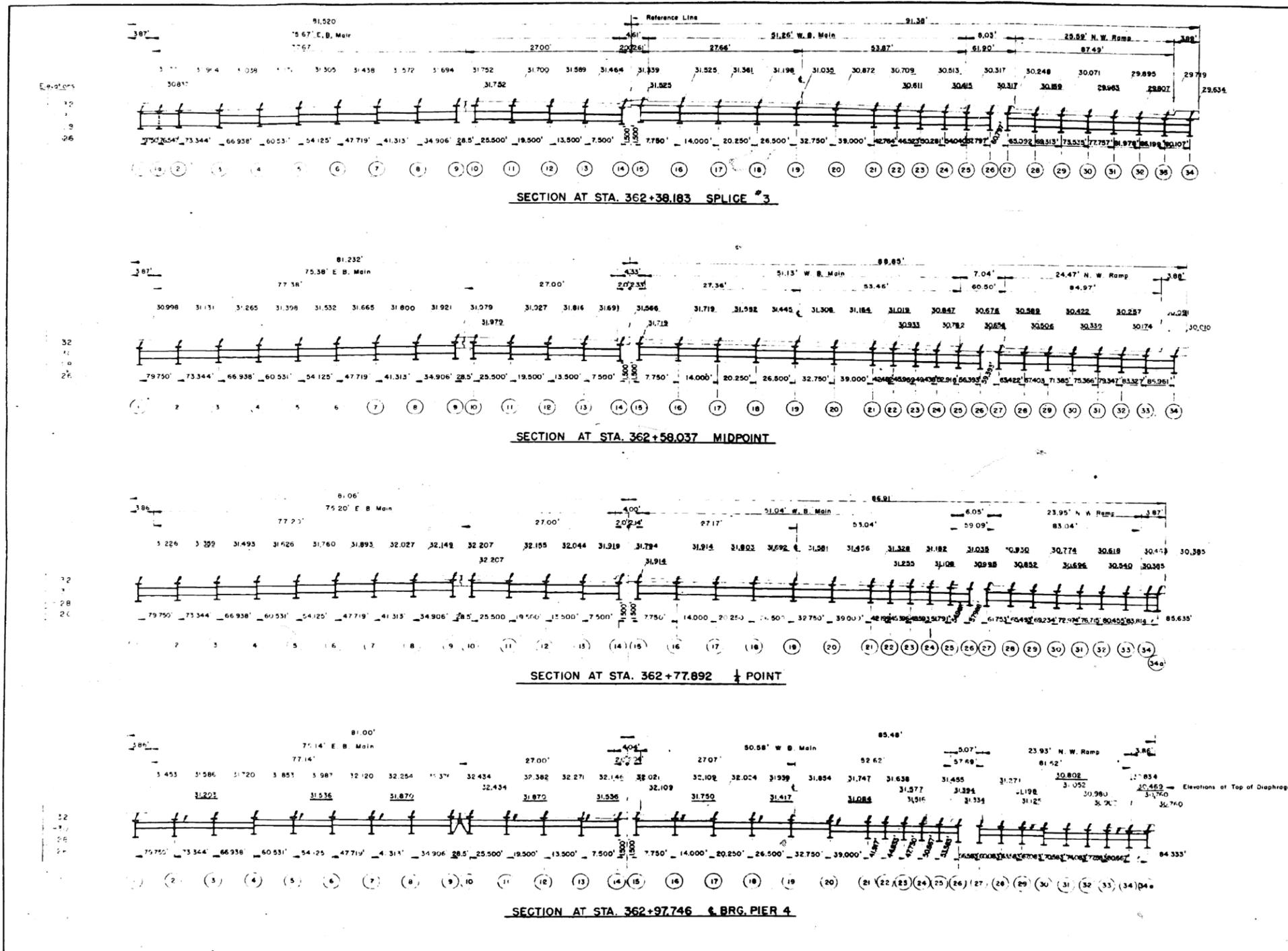


0160461-60X75-5164-EXT.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 016-0461	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	448
	PLOT DATE = 5/8/2017	CHECKED - JIG	REVISED -	SHEET NO. 19 OF 194 SHEETS		CONTRACT NO. 60X75		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

301-6-



REVISIONS		
DATE	BY	DESCRIPTION

NOTE: All Elevations are for Top of Beams unless otherwise shown.

DEPARTMENT OF HIGHWAYS
 WILLIAM N. FRICKSON, PRESIDENT BOARD OF SUPERVISORS
 GEORGE A. DONLAN, COUNTY CLERK

STEEL DETAILS FOR SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED: H. T. & L.L.P.
 DRAWN: R. B. & G.A.K.
 CHECKED: J. J. ...

SECTION: 062-2424.3 & 4
 SCALE: 1/8" = 1'-0"
 APPROVED: *[Signature]*

APPROVED: *[Signature]*
 State Aid: 62
 Fiscal Year: 1950
 Sheet No.: 21
 Total Sheets: 148 (13)
 Leasing No.: C. P. 294

0160461-60X75-5166-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

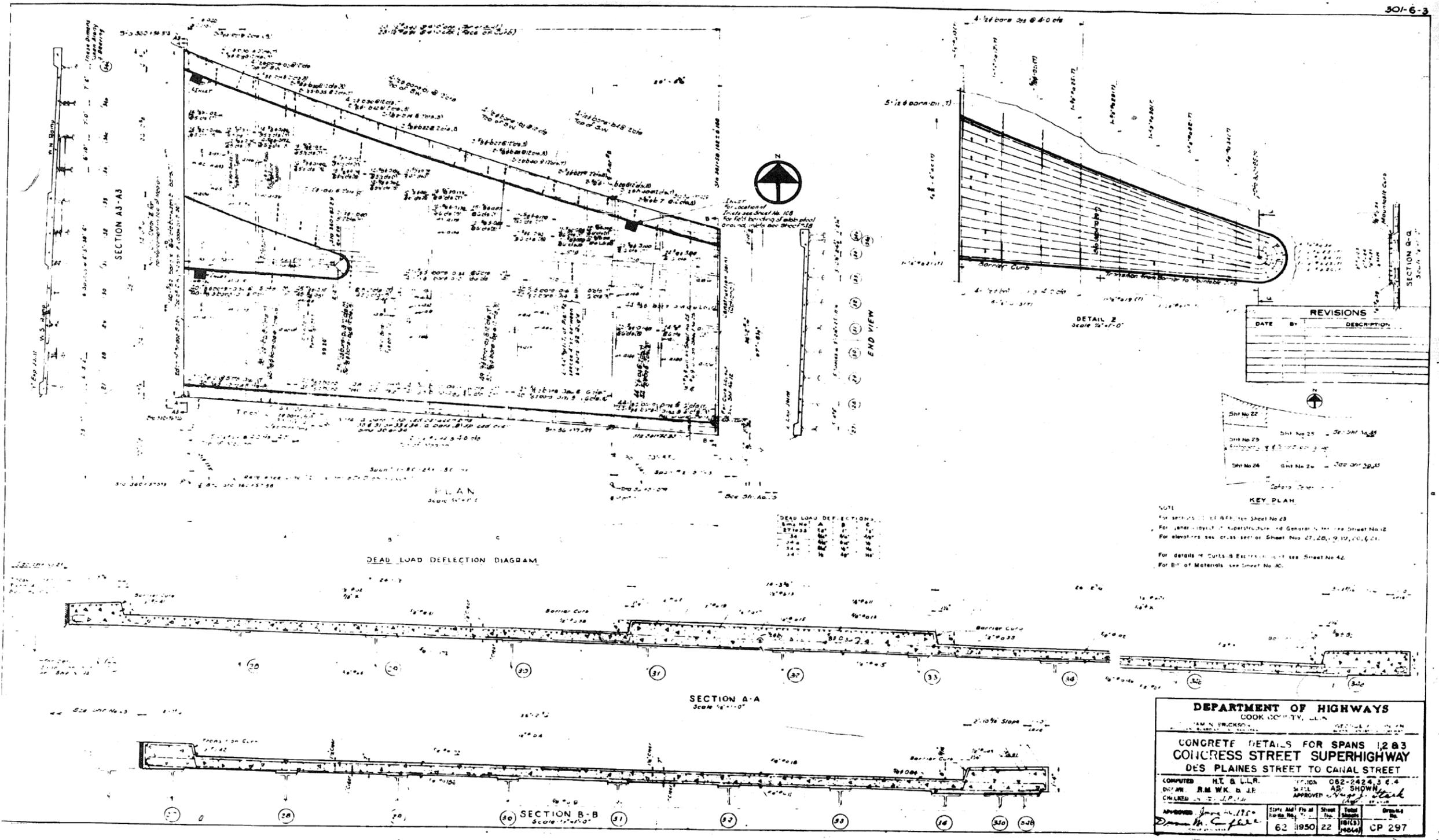
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 21 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	450
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5167-EXT.dgn

PARSONS BRINCKERHOFF

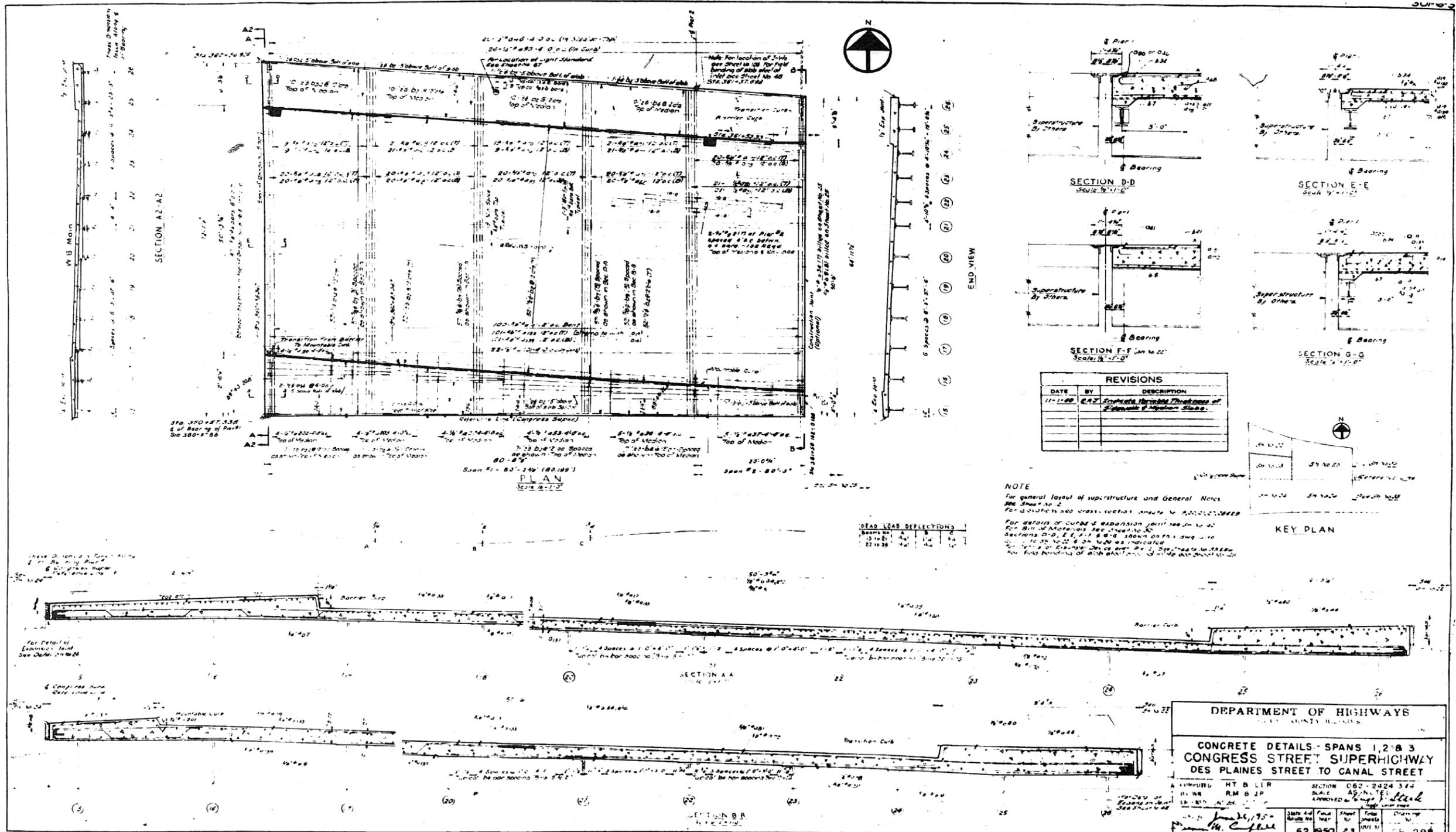
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 22 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	451
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X75-5188-EXT.dgn

PARSONS BRINCKERHOFF

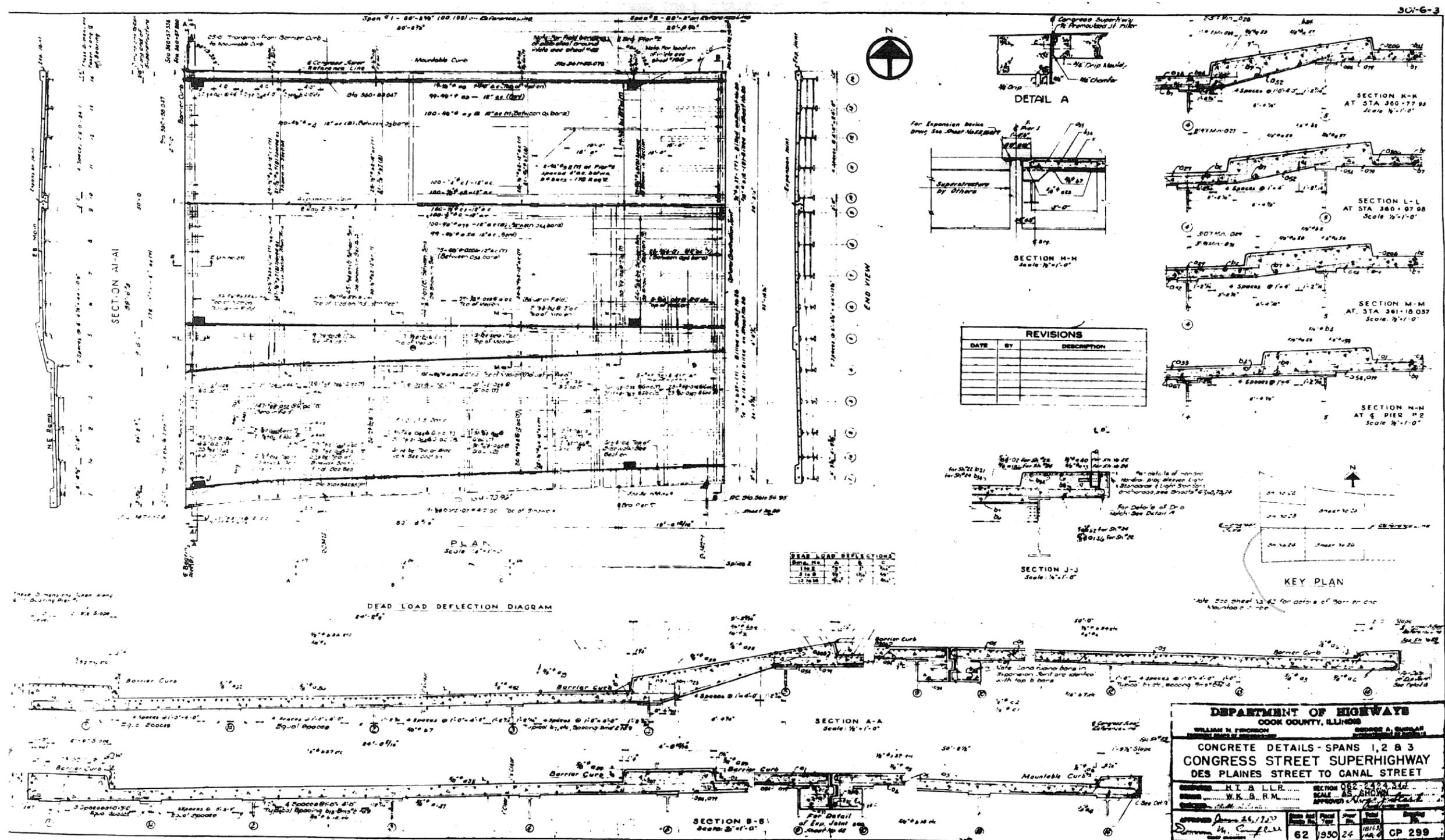
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 23 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	452
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X75-5169-EXT.dgn

PARSONS BRINCKERHOFF

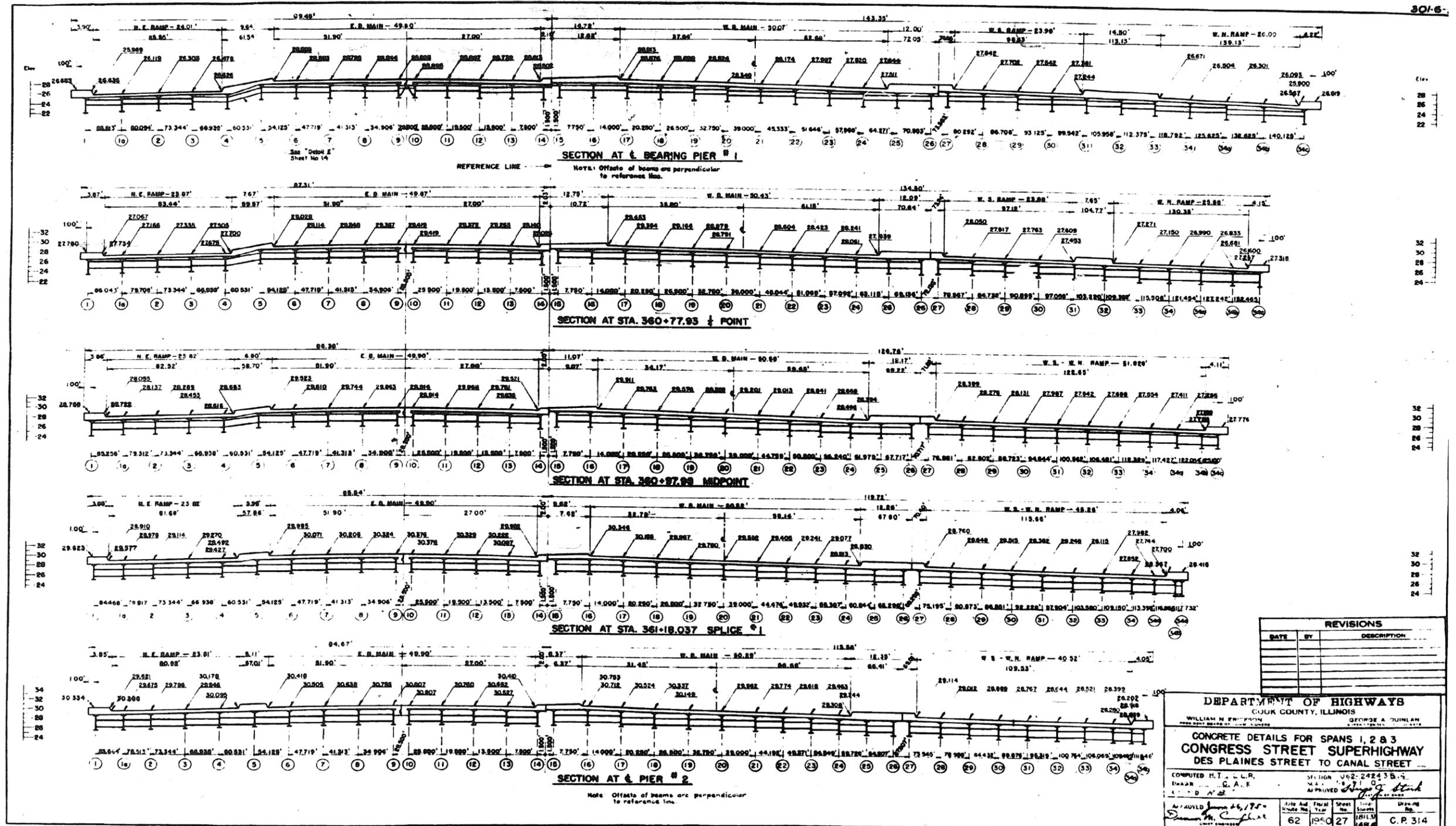
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 24 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	453
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 GEORGE A. DUNLAP
 COMMISSIONER

CONCRETE DETAILS FOR SPANS 1, 2 & 3
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED H.T. L.L.R.
 DRAWN G.A.K.
 APPROVED *[Signature]*

APPROVED *[Signature]*
 DATE 6/17/10

Sheet No.	62
Final Year	1050
Sheet No.	27
Final Year	10113
Sheet No.	48
Final Year	10113

C.P. 314

0160461-60X75-5172-EXT.dgn

PARSONS BRINCKERHOFF

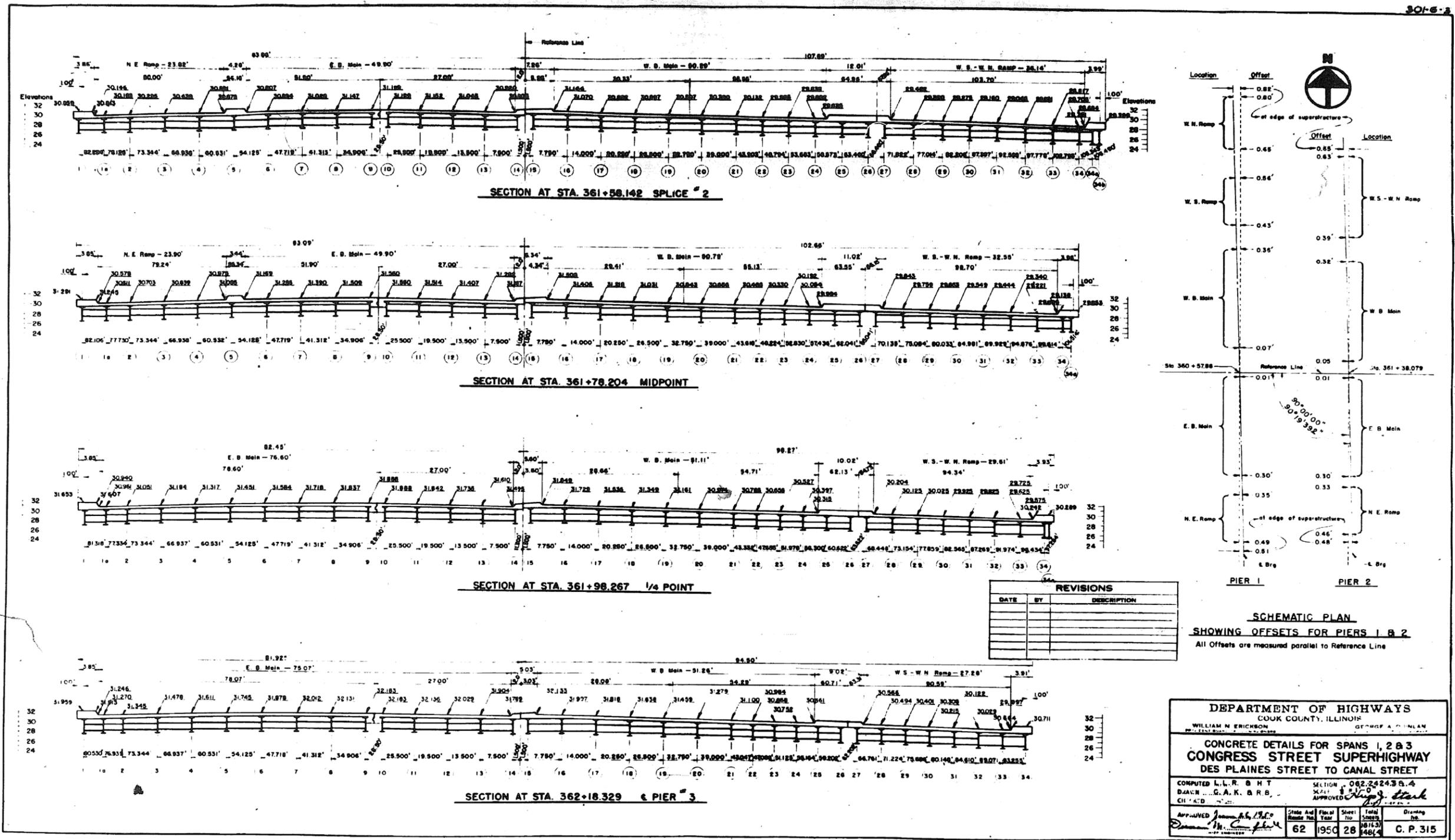
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 27 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	456
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X75-5173-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

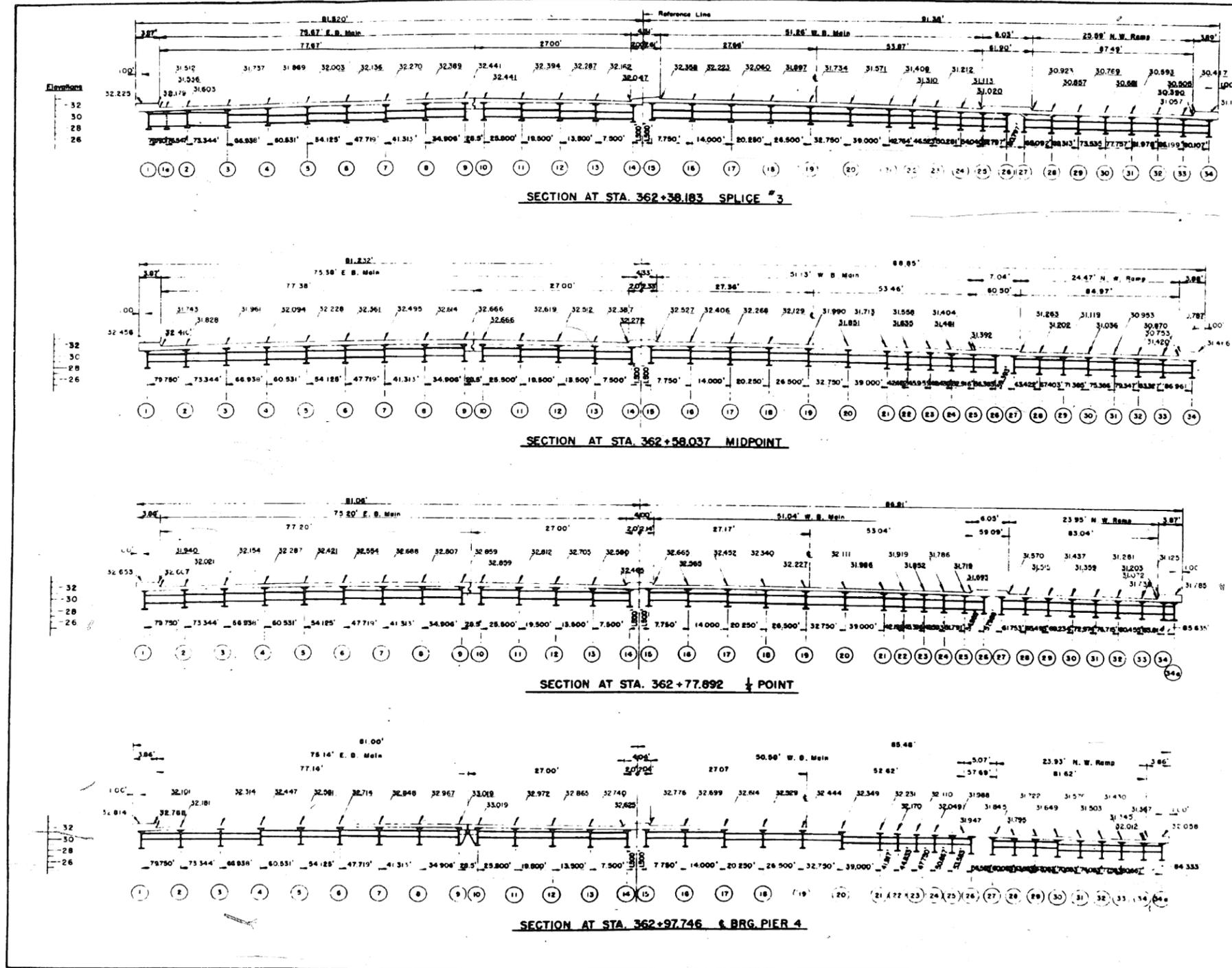
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 28 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	457
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

301-6



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM N. FRIDRICH, Director
 GEORGE A. O'NEILL, Deputy Director

CONCRETE DETAILS FOR SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED BY H.T. & L.L.R. SECTION 062-24243 B 4
 DRAWN BY R.B. & C.A.K. SCALE 1/8" = 1'-0"
 CHECKED BY J.A.S. APPROVED BY *[Signature]*

APPROVED *[Signature]* DATE 5/8/2017
 SHEET NO. 29 OF 194 SHEETS
 CONTRACT NO. 60X75

0160461-60X75-5174-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 29 OF 194 SHEETS

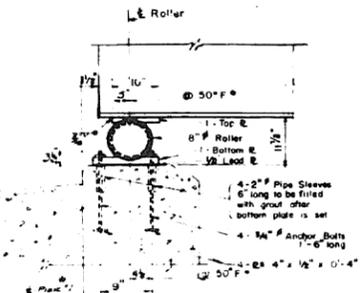
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	458
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

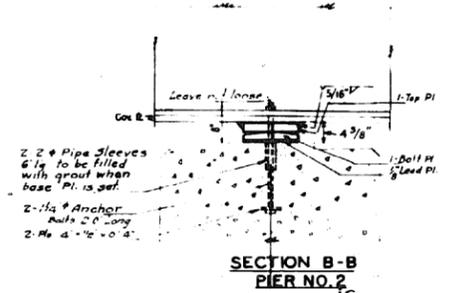
301-6-3

***NOTE TO ERECTOR**
 Increase each dimension by the same amount if temp. is over 50°F.
 Decrease each by same amount if temp. is below 50°F.
 The change for temp. is 0.00325 per degree F.

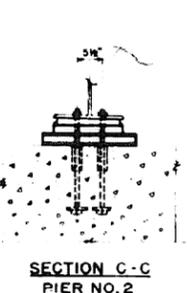
NOTE TO ERECTOR
 Increase each dimension by the same amount if temp. is over 50°F. Decrease by same amount if temp. is below 50°F. The change for temperature is 0.00325 per degree F.



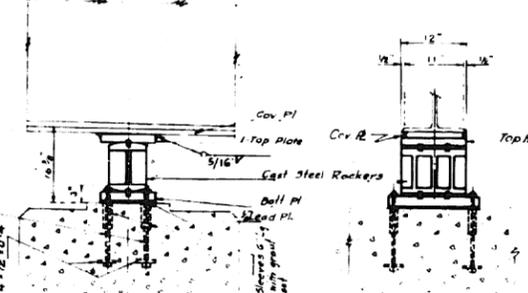
SECTION A-A
PIER NO. 1



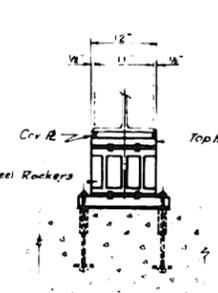
SECTION B-B
PIER NO. 2



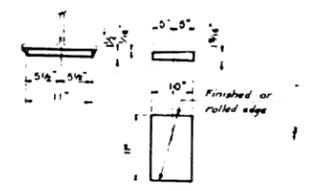
SECTION C-C
PIER NO. 2



SECTION D-D
PIER NO. 3

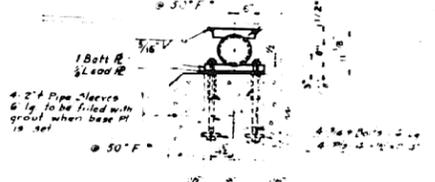


SECTION E-E
PIER NO. 3

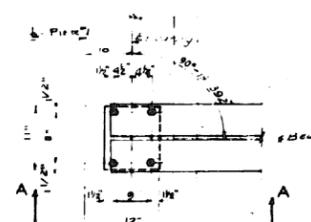


DETAIL OF TOP PLATES
PIER NO. 4 WEST

19 Req'd - WT 941 Lbs

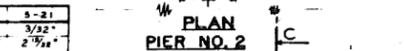


SECTION F-F
PIER NO. 4 WEST

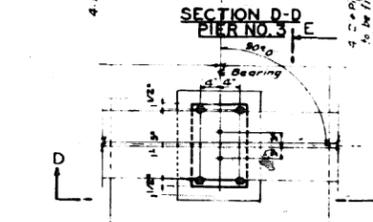


PLAN
PIER NO. 1

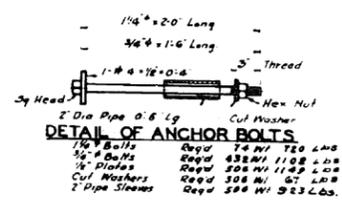
B-M NO.	3-4	5-21
C	5'32"	3'32"
D	2'1/2"	2'3/4"



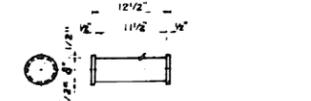
PLAN
PIER NO. 2



PLAN
PIER NO. 3

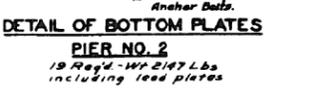


DETAIL OF ANCHOR BOLTS
 2 Dia Pipe 0.6 Lg
 1/2" Bolts
 1/2" Plates
 2 Pipe Sleeves



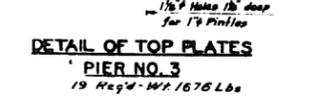
DETAIL OF TOP PLATES
PIER NO. 2

19 Req'd - WT 1701 Lbs



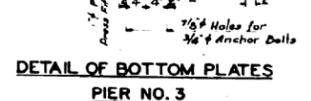
DETAIL OF BOTTOM PLATES
PIER NO. 2

19 Req'd - WT 2187 Lbs including lead plates



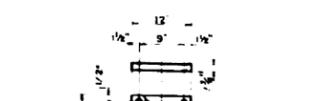
DETAIL OF TOP PLATES
PIER NO. 3

19 Req'd - WT 1676 Lbs



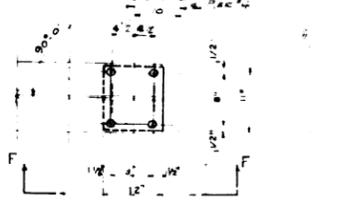
DETAIL OF BOTTOM PLATES
PIER NO. 3

19 Req'd - WT 2801 Lbs including lead plates

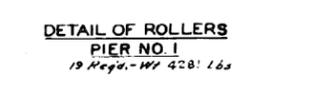


DETAIL OF BOTTOM PLATES
PIER NO. 4 WEST

19 Req'd - WT 1445 Lbs including lead plates

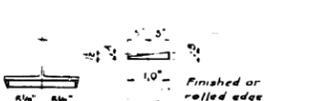


PLAN
PIER NO. 4 WEST



DETAIL OF ROLLERS
PIER NO. 1

19 Req'd - WT 4281 Lbs



DETAIL OF TOP PLATES
PIER NO. 1

19 Req'd - WT 951 Lbs



DETAILS OF CAST STEEL ROCKERS
PIER NO. 3

19 Req'd - WT 3480 Lbs



DETAIL OF PINTLE

140 Req'd - WT 62 Lbs

GENERAL NOTE:
 Rollers shall be formed down from a solid bar for all plates in contact with the rollers the edges adjacent to the collars shall be rolled 1/4 square.
 Dimensions weights of rollers, rockers, steel plates, lead plates, sleeves, washers and anchor bolts are included in weight of structural steel.
 Cast steel shall conform to the tentative specifications for A131 to A131m strength Carbon Steel for general application.
 A131 A11 Grade 65 35 Fully Annealed
 The tolerance of fabrication shall be in accordance with applicable specifications.
 Lead plates shall be placed in all directions except for details shown in all directions to reference line which are so shown but they may be omitted.

DETAIL OF ROLLERS
BEAMS 1 TO 21 - PIER NO. 4 WEST

21 Req'd - WT 4722 Lbs

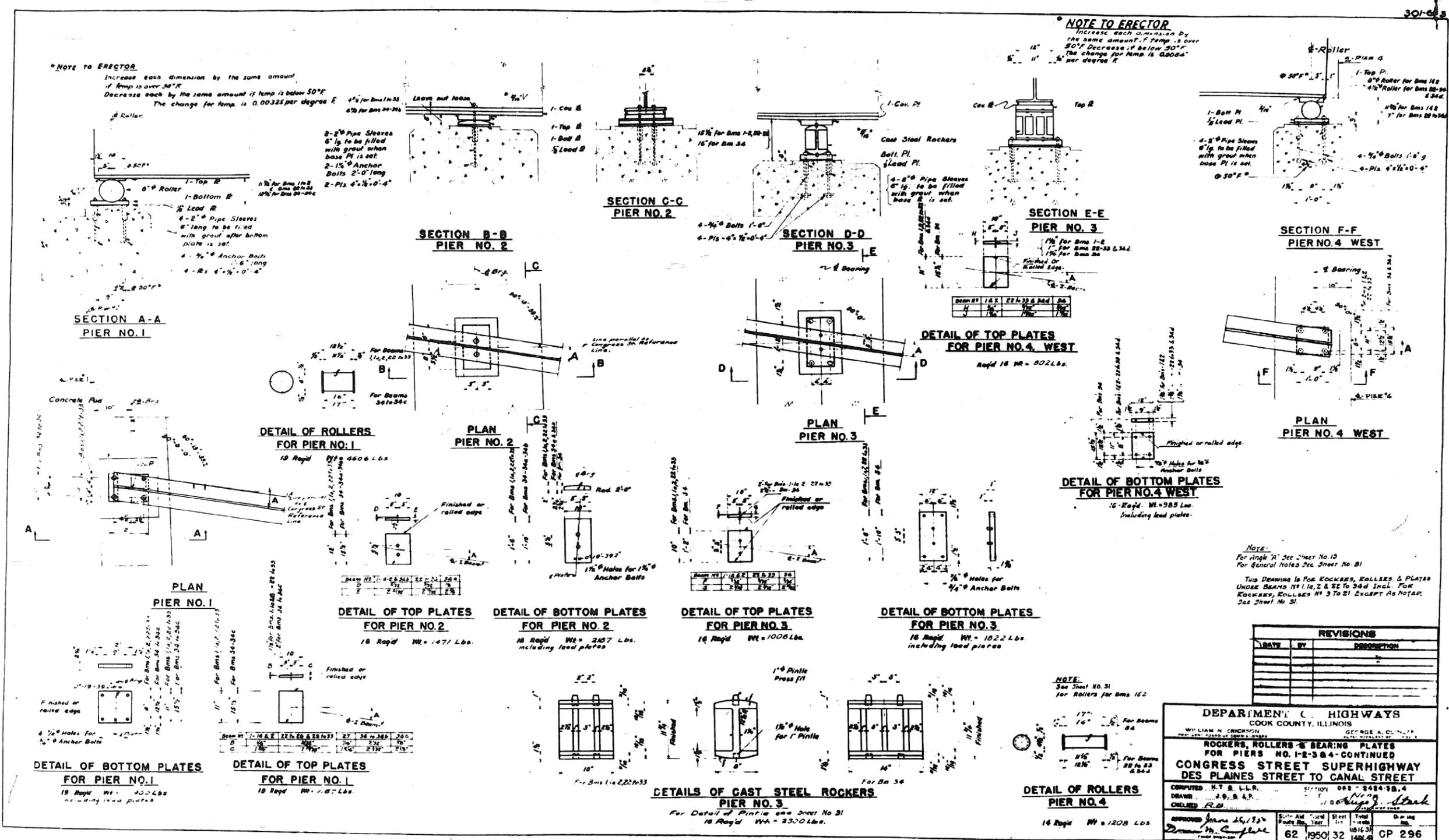
This Drawing is for Rockers, Rollers & Plates for Beams No. 1 to 21, except as noted. For Rockers, Rollers & Plates for Beams No. 1, 2, 22 to 34 see drawing 301-6-4.

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM H. ERICKSON CHIEF ENGINEER	GEORGE A. QUINNAN CHIEF ENGINEER
ROCKERS ROLLERS & BEARING PLATES FOR PIERS NO. 1, 2, 3, & 4 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET	
COMPUTED: L.L.R. & H.T.	SECTION 062-2424 3 B.4
DRAWN: M.H.T. & C.A.K.	SCALE
CHECKED: A.M.	APPROVED: [Signature]
APPROVED: [Signature]	Sheet No. 31
DATE: 6/2	Year: 1971
Scale: 1/8" = 1'-0"	Sheet No. 31
Scale: 1/8" = 1'-0"	Sheet No. 31
Scale: 1/8" = 1'-0"	Sheet No. 31
Scale: 1/8" = 1'-0"	Sheet No. 31

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X75-5176-EXT.dgn

FOR INFORMATION ONLY



0160461-60X75-5177-EXT.dgn

PARSONS BRINCKERHOFF

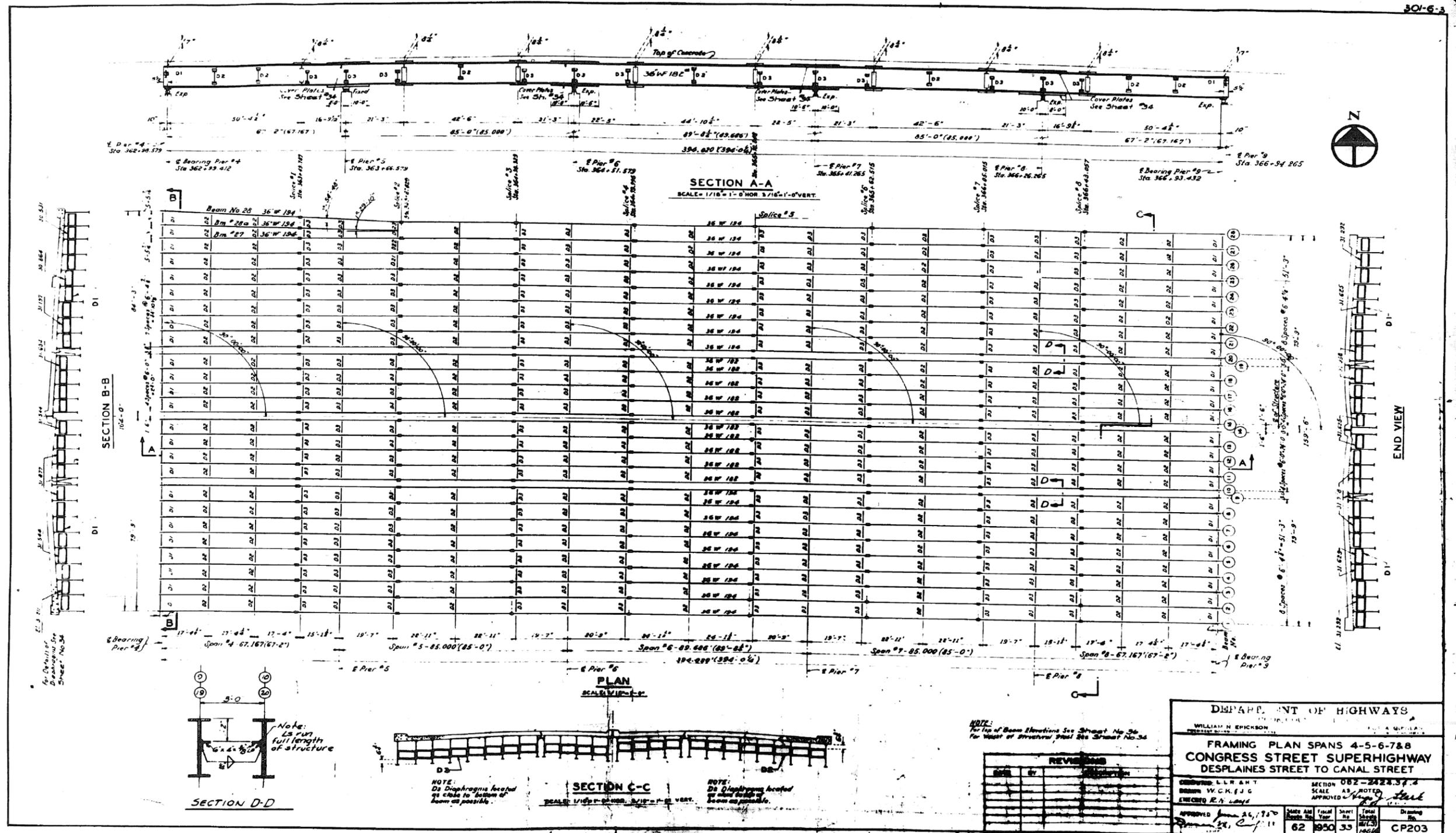
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 32 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	461
			CONTRACT NO. 60X75	
			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



DEPARTMENT OF HIGHWAYS
WILLIAM N. ERICKSON
CHIEF ENGINEER

**FRAMING PLAN SPANS 4-5-6-7&8
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET**

DESIGNED: L.L.R. & H.T.
DRAWN: W.C.K. & J.C.
CHECKED: R.H. LANE

SECTION: 082-2428.37.4
SCALE: AS NOTED
APPROVED: *[Signature]*

APPROVED: *[Signature]* DATE: 6/11/70
DATE: 6/11/70

DATE	YEAR	SHEET NO.	TOTAL SHEETS	DRAWING NO.
62	1950	33	196/196	CP203

0160461-60X75-5178-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld
DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG
PLOT SCALE = N.T.S.
PLOT DATE = 5/8/2017

DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG

REVISED -
REVISED -
REVISED -
REVISED -

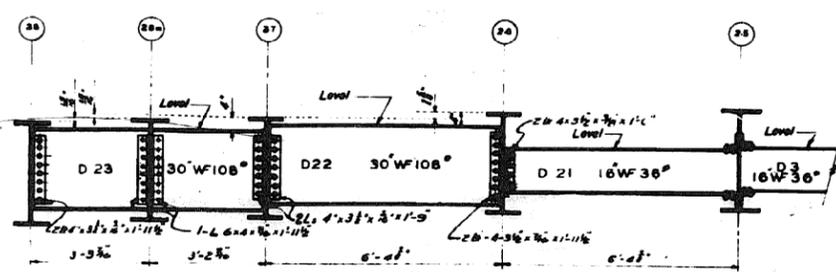
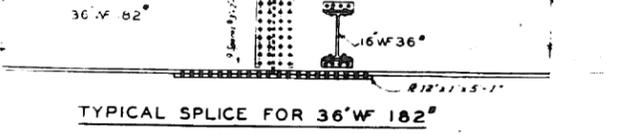
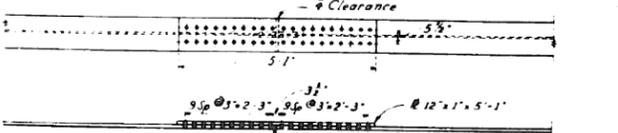
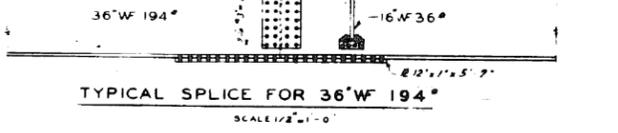
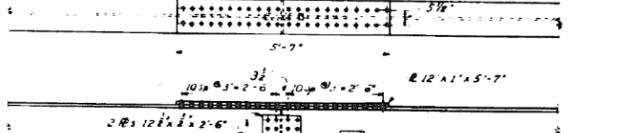
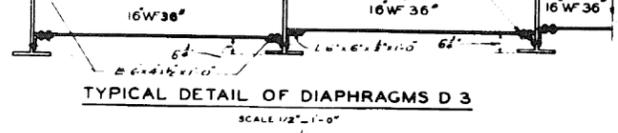
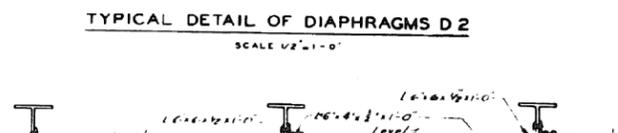
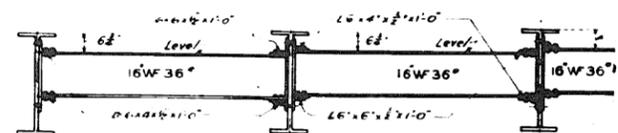
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 33 OF 194 SHEETS

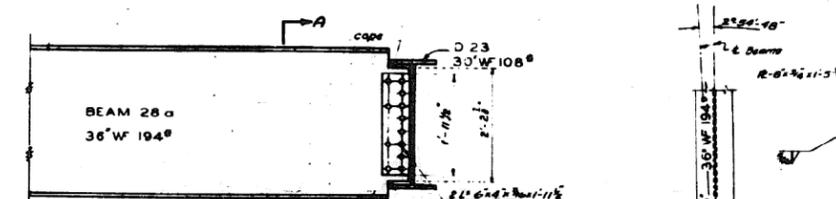
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	462
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



SECTION A-A DIAPHRAGMS D21 TO D23
SCALE 1/2"=1'-0"



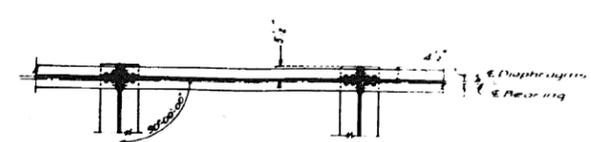
ELEVATION OF BEAM 28
SCALE 3/4"=1'-0"



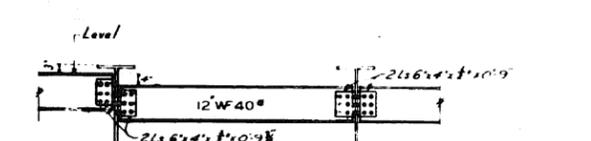
DETAIL OF COVER PLATES
NOTE: FOR TABLE OF ELEVATIONS SEE SHEET 3C

COVER PLATE SIZES					
LOCATION	A	B	C	D	PLATE SIZE
PIER 5	6'-6"	8'-6"	8'-0"	10'-0"	11 1/2" x 18'-0"
PIER 6	8'-6"	9'-0"	10'-0"	10'-6"	11 1/2" x 20'-6"
PIER 7	9'-0"	8'-6"	10'-6"	10'-0"	11 1/2" x 20'-6"
PIER 8	8'-6"	6'-6"	10'-0"	8'-0"	11 1/2" x 18'-6"

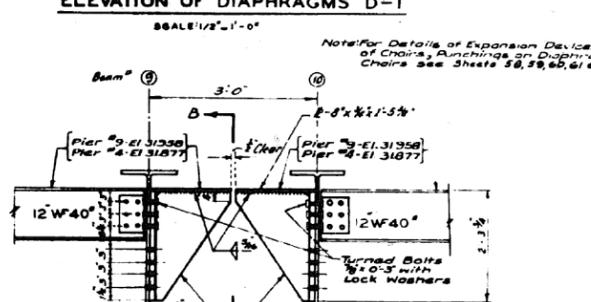
NOTE - FOR TABLE OF ELEVATIONS SEE SHEET 3C



PLAN OF DIAPHRAGMS D-1
SCALE 1/2"=1'-0"



ELEVATION OF DIAPHRAGMS D-1
SCALE 1/2"=1'-0"



DETAIL OF BRACKET FOR EXPANSION DEVICE
PIER 4 BETWEEN BEAMS 9 & 10
SCALE 3/4"=1'-0"

REVISIONS		
DATE	BY	DESCRIPTION

Total WT Structural Steel on Sheets 33 & 34 = 2,548,010#

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. ENCHRON
GEORGE A. GIBLIN, JR.

STEEL DETAILS FOR SPANS 4, 5, 6, 7 & 8
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET

COMPUTED L.L.R. & H.T. SECTION 082-2424.3 E. 4
SCALE AS NOTED
CHECKED R.N. Lang

APPROVED J. C. [Signature]
DATE 5/11/2011

Scale: 62 1950 34
Sheet No. 34
Total Sheets 194
Drawing No. CP204

0160461-60X75-5179-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld
DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG
PLOT SCALE = N.T.S.
PLOT DATE = 5/8/2011

DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG
REVISED -
REVISED -
REVISED -
REVISED -

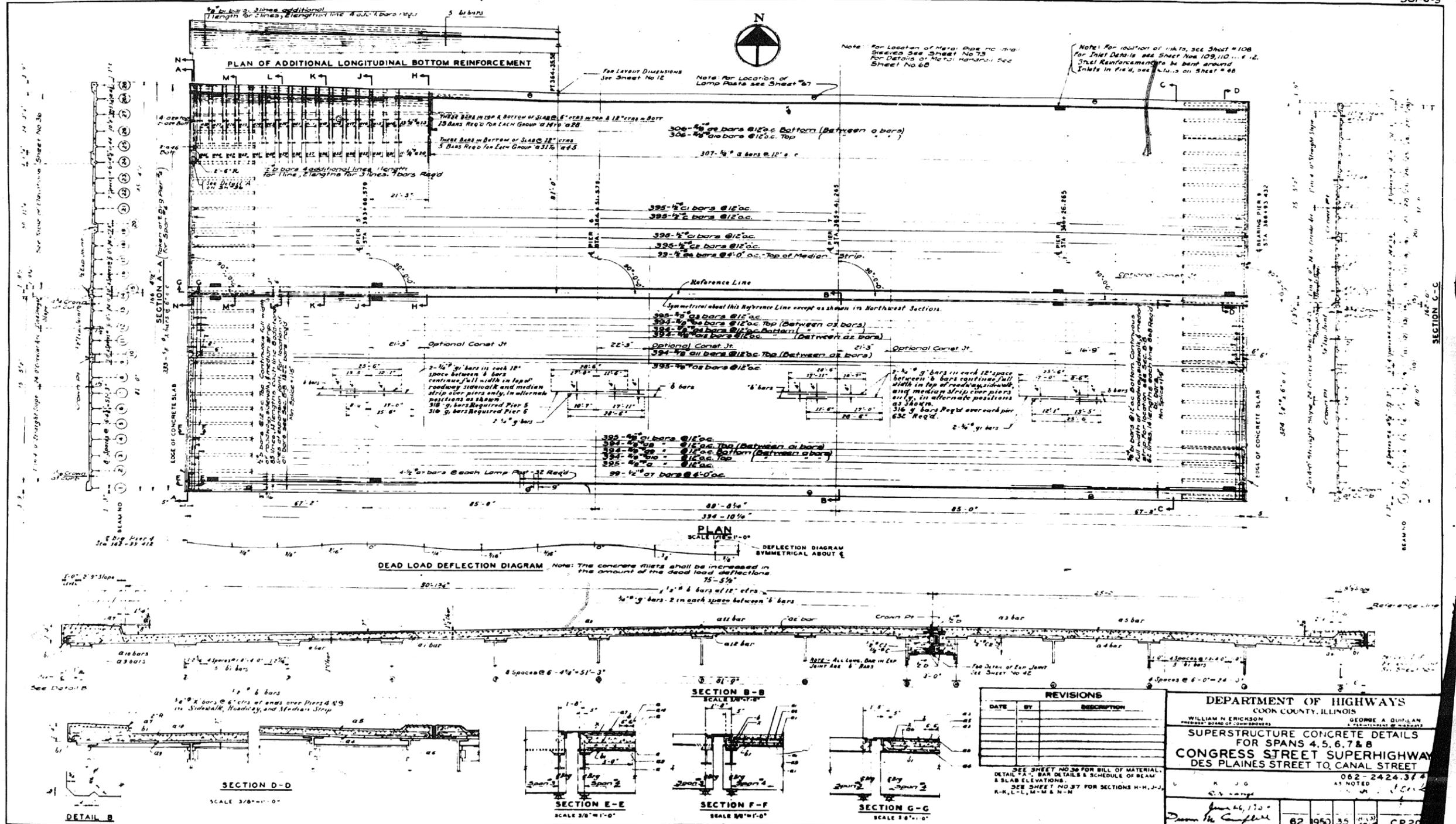
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 34 OF 194 SHEETS

F.A.I. R.T.E. SECTION COUNTY TOTAL SHEETS SHEET NO.
90/94/290 2014-001 R&B (EB) COOK 696 463
CONTRACT NO. 60X75
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5180-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 35 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	464
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

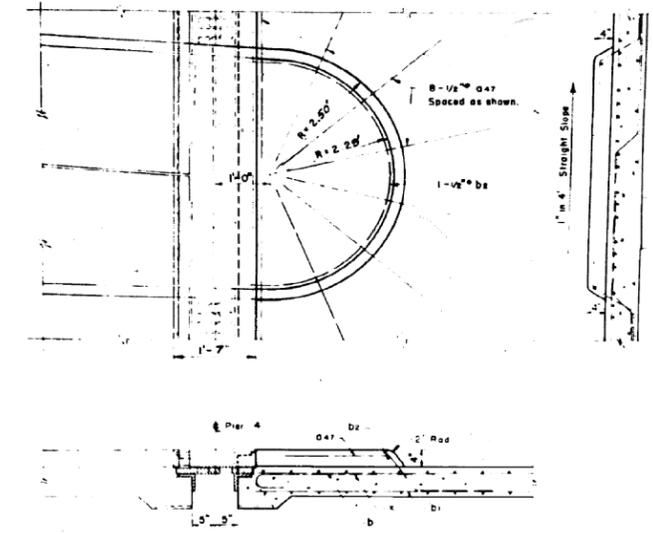
301-6-3

TYPE 1										TYPE 2										TYPE 3										TYPE 4										TYPE 5										TYPE 6											
MARK	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J		MARK	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J		MARK	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J		MARK	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J		MARK	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	D ₁	D ₂	D ₃	E	E ₁	E ₂	F	G	H	J	R	O
06	788	3/8"	21'-0"							018	15	3/8"	23'-3"							036	5	3/8"	30'-3"							06	100	1/2"	6'-0"							01	702	3/8"	21'-9"																		

BAR SCHEDULE

Beam No	Location	E. Br. Per 4	1/2 Point	3/4 Point	Splice 1	E. Pier 5	Splice 2	1/2 Point	Splice 3	E. Pier 6	Splice 4	1/2 Point	Splice 5	E. Pier 7	Splice 6	1/2 Point	Splice 7	E. Pier 8	Splice 8	1/2 Point	3/4 Point	E. Br. Per 8
1	Top Slab	32 816	32 912	33 007	33 072	33 126	33 185	33 233	33 272	33 299	33 317	33 323	33 317	33 299	33 272	33 233	33 185	33 126	33 072	33 007	32 912	32 816

ELEVATIONS TOP OF BEAMS & TOP OF CONCRETE



DETAIL 'A'
Scale 1/4" = 1'-0"

BILL OF MATERIAL

Class "X" Concrete /6389 Cu Yds
Reinforcement Bars 388,710 Lbs.

DATE	BY	REVISIONS

DEPARTMENT OF HIGHWAYS
DIVISION OF CONSTRUCTION

SUPERSTRUCTURE CONCRETE DETAILS CONT'D
FOR SPANS 4, 5, 6, 7 & 8
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPILED L.L.R. B.W.K.
DRAWN G.A.K.
CHECKED R.N. LANGRISH

APPROVED *[Signature]* 6/2/1950

62 11950 36-10(13)
C.P. 206

0160461-60X75-5181-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
DESIGNED -
CHECKED -
PLOT SCALE = N.T.S.
DRAWN - DCP
PLOT DATE = 5/8/2017
CHECKED - JIG

DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG

REVISED -
REVISED -
REVISED -
REVISED -

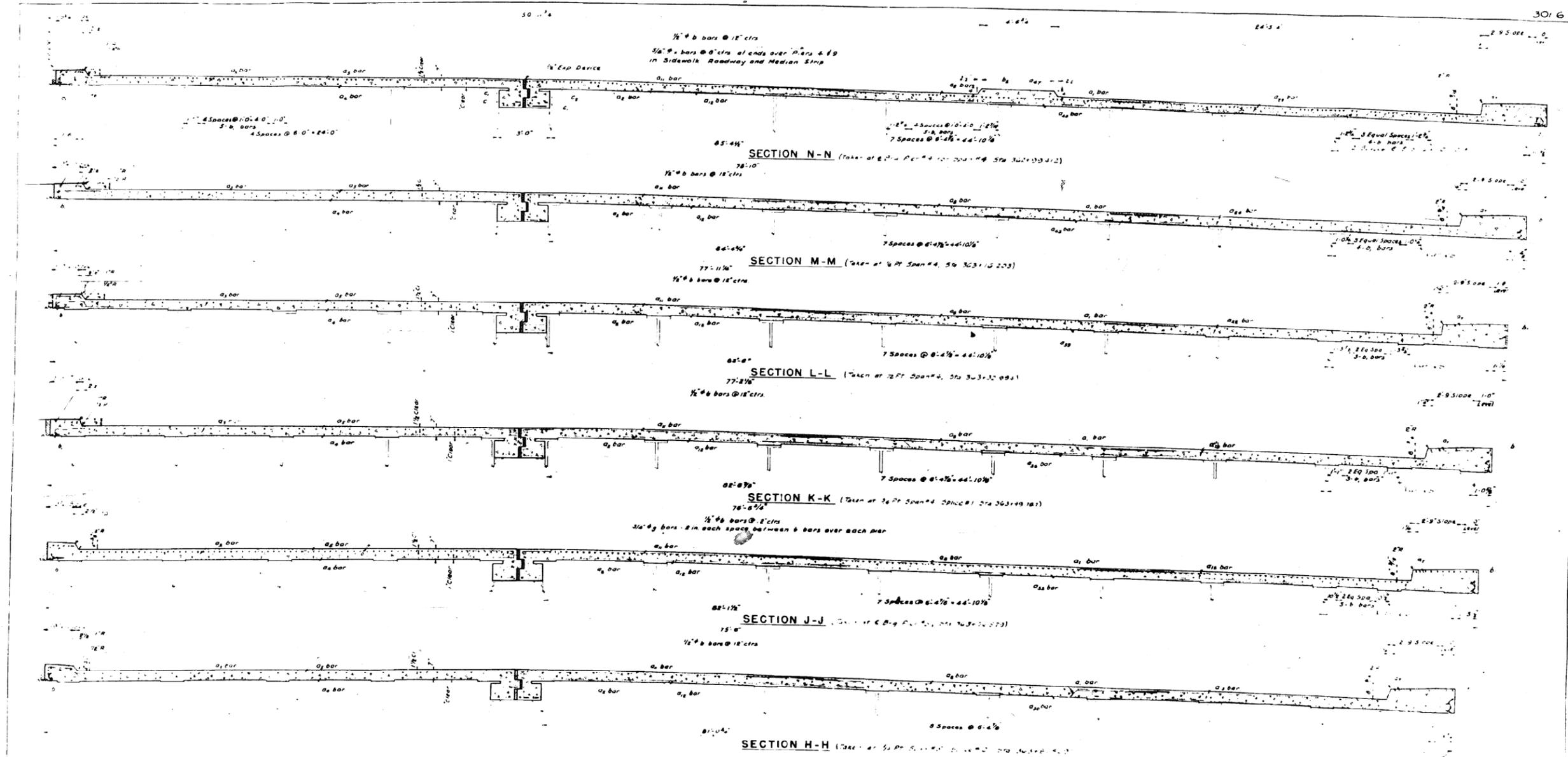
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 36 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	465
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
ILLINOIS
WILLIAM W. WELLS

SUPERSTRUCTURE CONCRETE DETAILS
 FOR SPANS 4, 5, 6, 7, 8

CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED BY: KRAUZE
 DRAWN BY: KRAUZE
 CHECKED BY: KRAUZE

APPROVED: *[Signature]*
 DATE: 6/26/75

STATE OF ILLINOIS
 CONTRACT NO. 60X75
 SHEET NO. 37 OF 194 SHEETS

0160461-60X75-5182-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

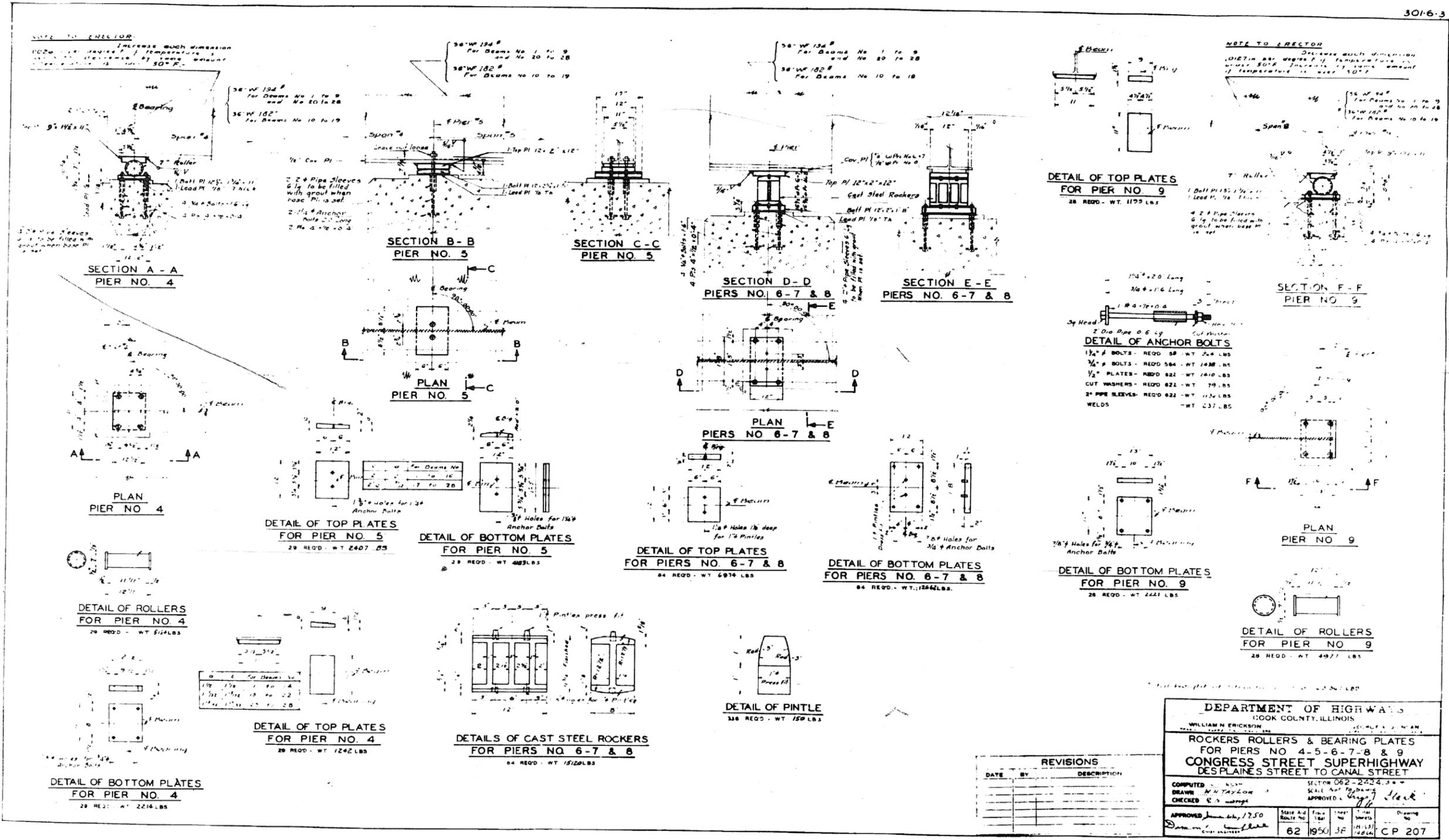
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
 SHEET NO. 37 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	466
CONTRACT NO. 60X75				
<small>ILLINOIS FED. AID PROJECT</small>				

FOR INFORMATION ONLY

3016-3



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM N. ERICKSON
 WILLIAM N. ERICKSON

ROCKERS ROLLERS & BEARING PLATES
 FOR PIERS NO. 4-5-6-7-8 & 9
 CONGRESS STREET SUPERHIGHWAY
 DESPLAINES STREET TO CANAL STREET

COMPUTED BY: [Signature]
 DRAWN BY: M. Taylor
 CHECKED BY: E. J. [Signature]

SECTION 062-2424.30
 SCALE: NOT TO BE DRAWN
 APPROVED BY: [Signature]

APPROVED: [Signature] 1/250
 DATE: 6/2/50

Sheet No. 38 of 194 Sheets
 Drawing No. CP 207

0160461-60X75-5183-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

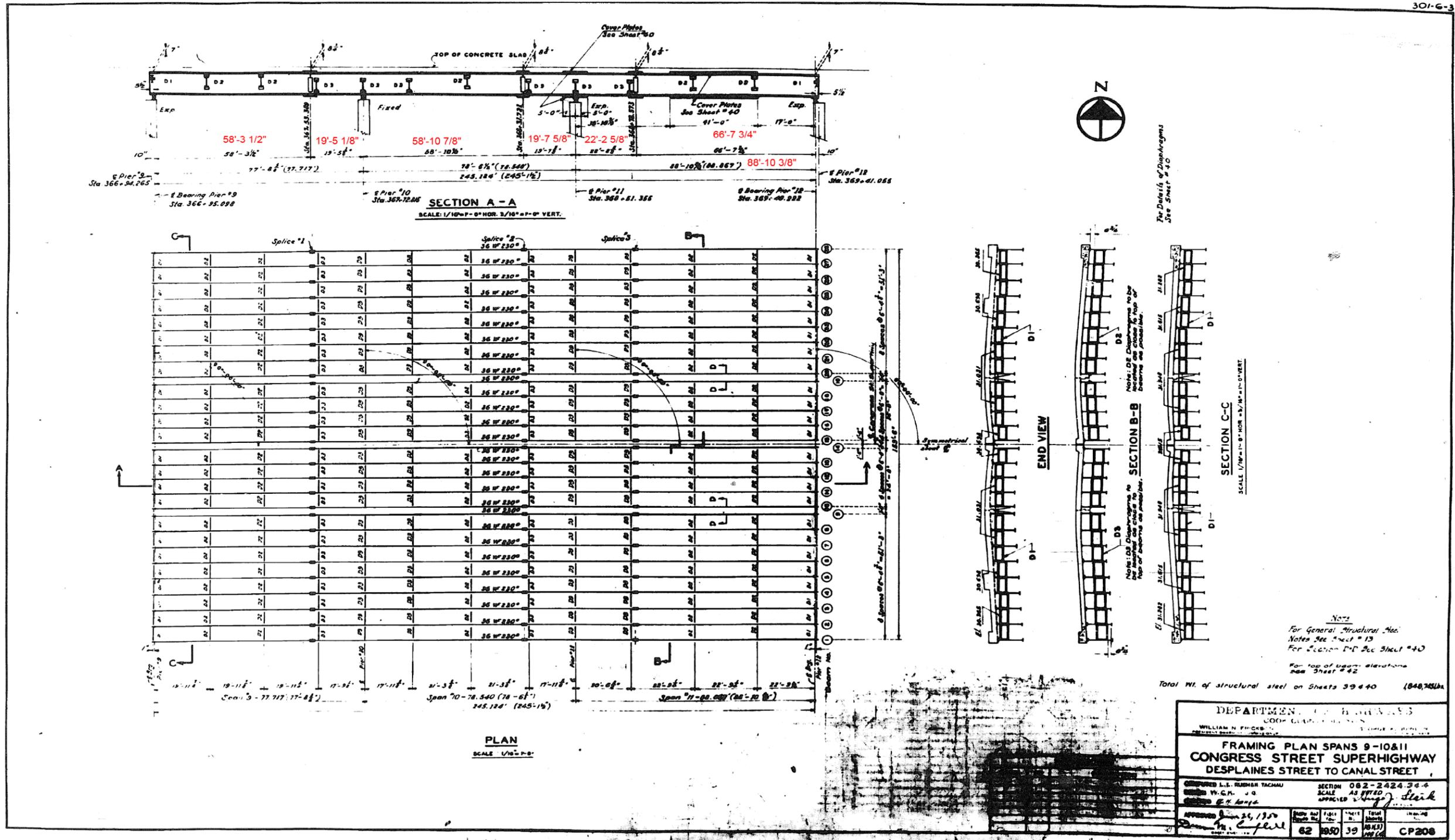
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 38 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	467
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-G-3



0160461-60X75-5184-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
 PLOT SCALE = N.T.S.
 PLOT DATE = 5/8/2017

DESIGNED -
 CHECKED -
 DRAWN - DCP
 CHECKED - JIG

REVISED -
 REVISED -
 REVISED -
 REVISED -

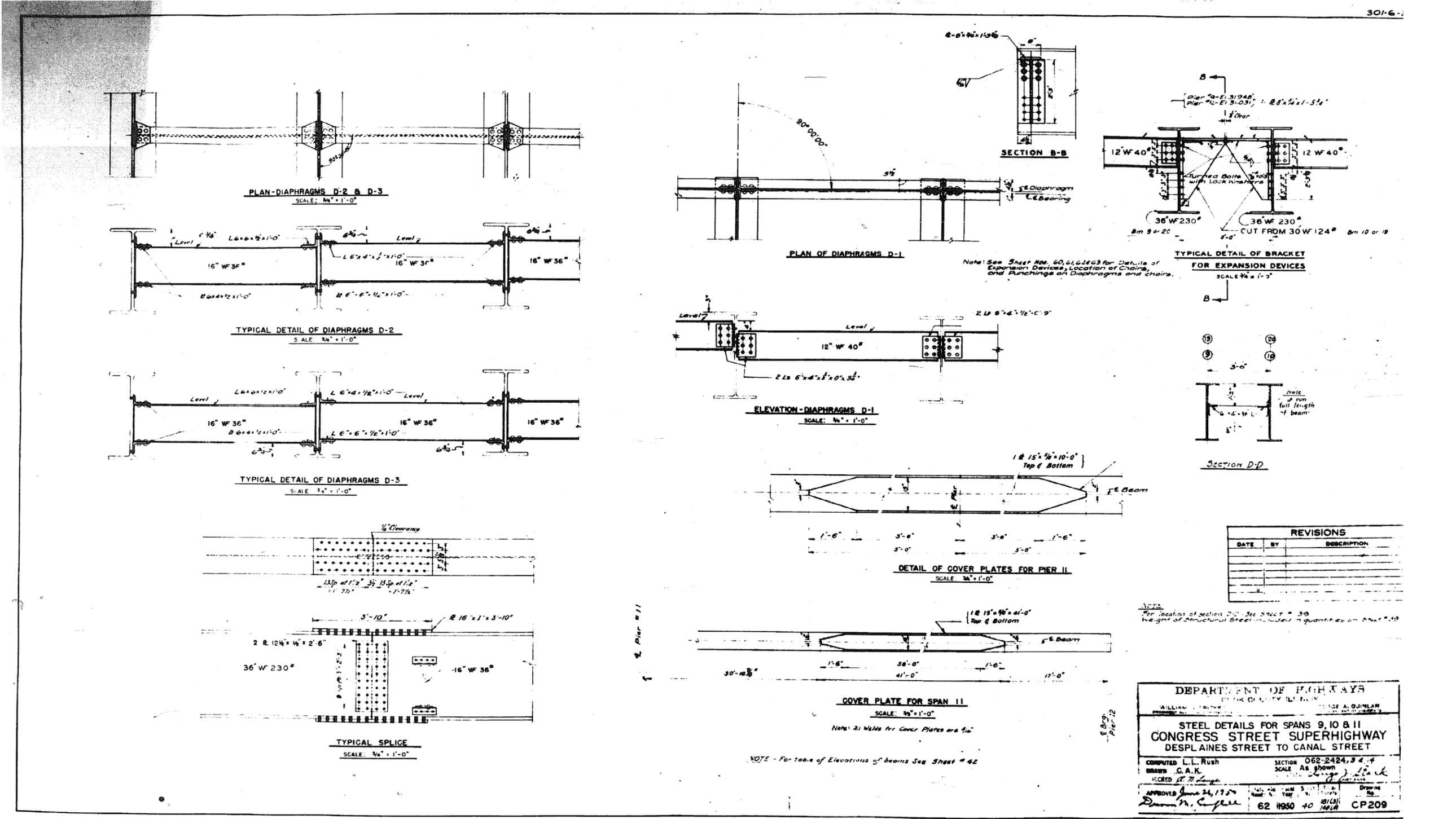
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 39 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	468
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 CHICAGO COUNTY ILLINOIS

WILLIAM J. BRINCKERHOFF
 GEORGE A. QUINLAN

STEEL DETAILS FOR SPANS 9, 10 & 11
 CONGRESS STREET SUPERHIGHWAY
 DESPLAINES STREET TO CANAL STREET

COMPUTED L.L. Rush SECTION 062-2424, 3 & 4
 DRAWN G.A.K. SCALE As shown
 CHECKED R. M. [Signature]

APPROVED June 24, 1970
 [Signature]

62 H950 40 18128
 1968 CP209

0160461-60X75-5185-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

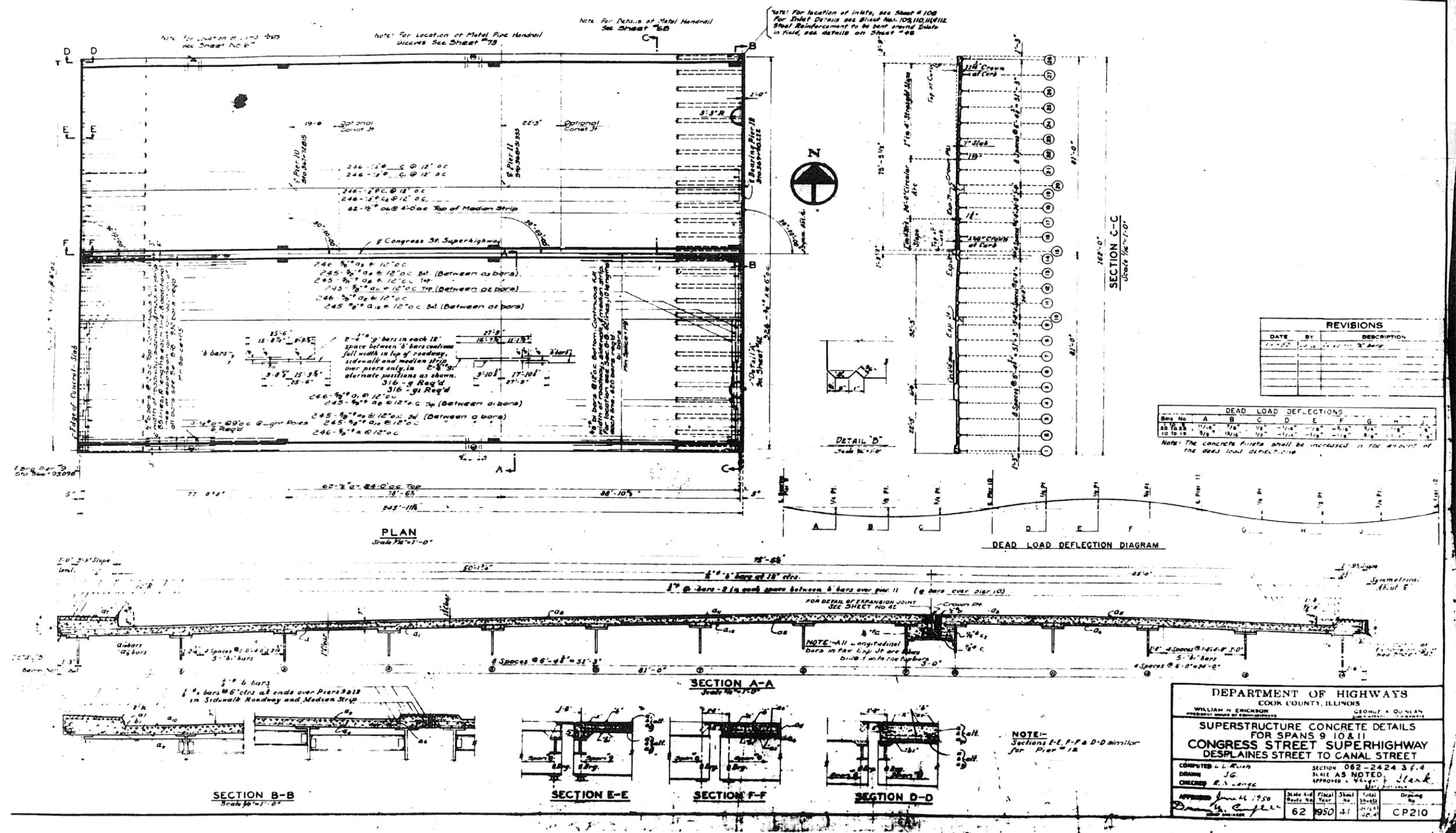
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 40 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	469
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5186-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

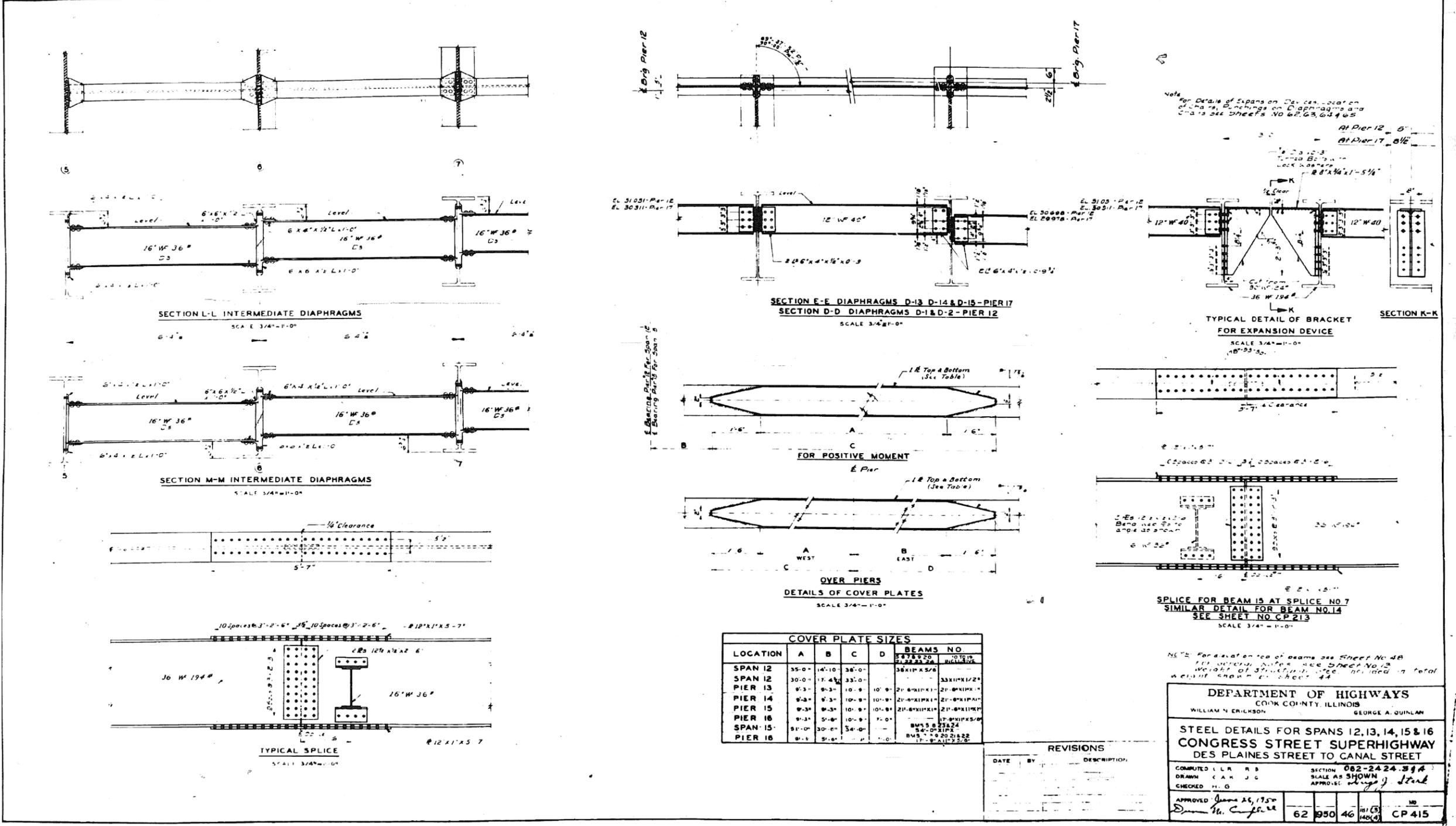
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 41 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	470
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



Note: For Details of Expansion Devices, Location of Channels, Punchings on Diaphragms and Girders See Sheets No. 62, 63, 64 & 65.

NOTE: For elevation top of beams see Sheet No. 48. For general notes see Sheet No. 13. Weight of structural steel included in total weight shown on Sheet 44.

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS
WILLIAM N. ERICKSON GEORGE A. QUINLAN

**STEEL DETAILS FOR SPANS 12, 13, 14, 15 & 16
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET**

COMPUTED L.L.R. R.B. SECTION 082-2424-394
DRAWN C.A.K. J.G. SCALE AS SHOWN
CHECKED H.G. APPROVED *George A. Quinnlan*

APPROVED *James A. 1/75*
Don W. 1/75

62 950 46 101 (3) 101 (6) CP 415

0160461-60X75-5191-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

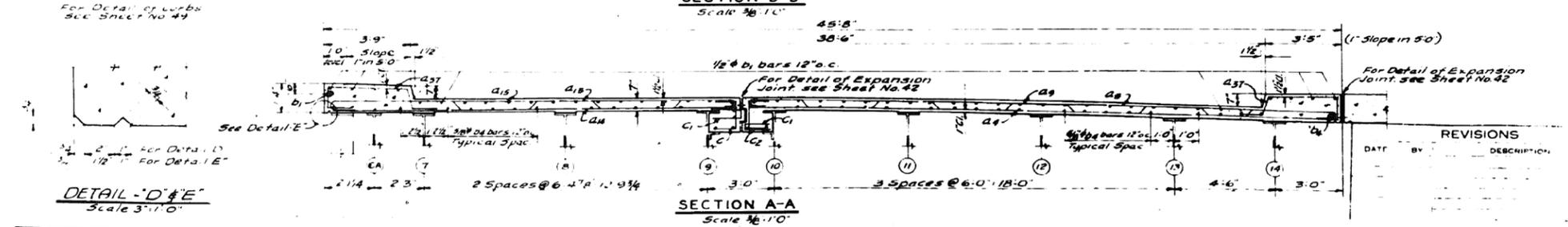
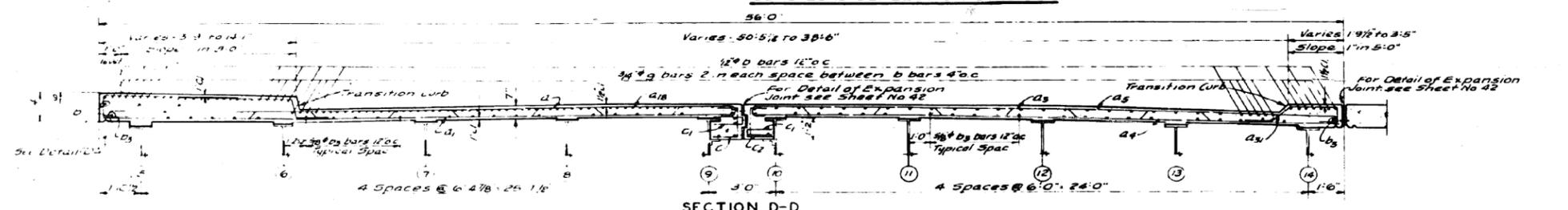
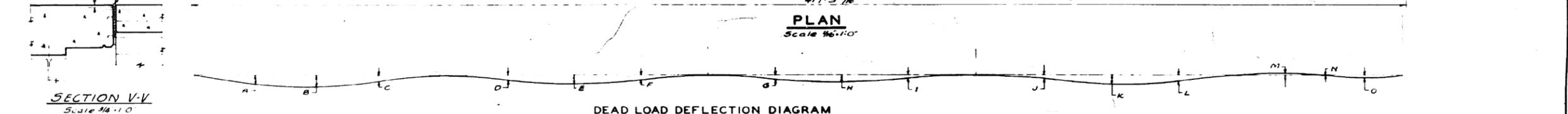
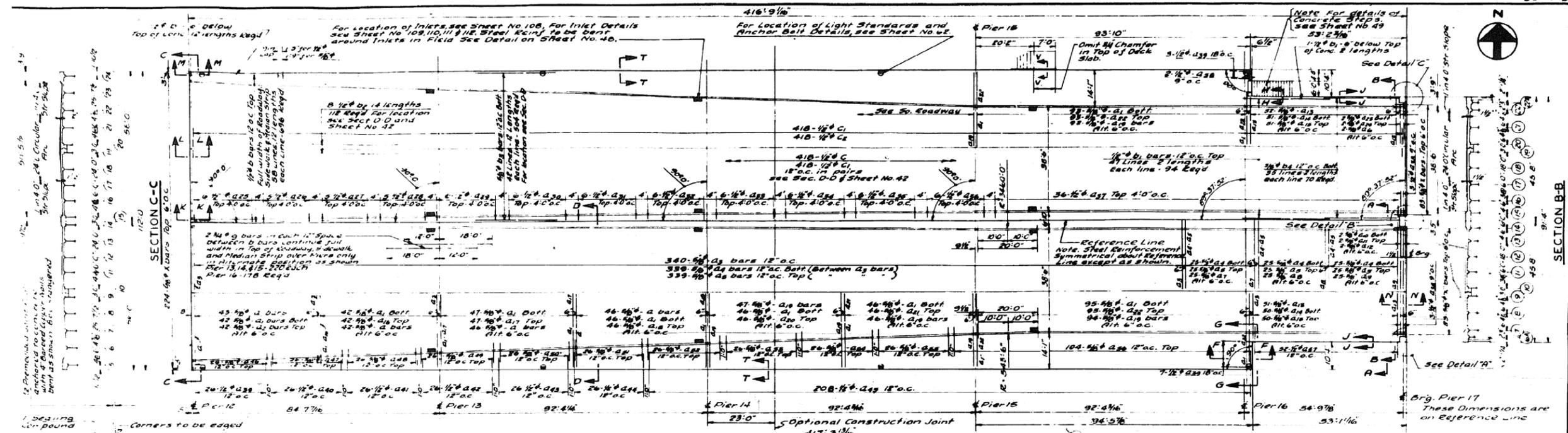
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 46 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	475
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. BRINCKERHOFF

SUPERSTRUCTURE CONCRETE DETAILS
FOR SPANS 12, 13, 14, 15 & 16
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED BY RUSH & GOULD
DRAWN BY H. H. HAN
CHECKED BY G. G.

APPROVED Jan 26, 1950
D. M. C. Engle

62 1950 47 C.P.215

DATE	BY	DESCRIPTION

0160461-60X75-5192-EXT.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 016-0461	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	CHECKED -	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	476
	PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	CHECKED - JIG	REVISED -				ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ELEVATIONS OF TOP OF BEAMS & CONCRETE																										
BEAM LOCATION	SPAN NO.	SPAN NO. 12												SPAN NO. 13												
		1/4 POINT	1/2 POINT	SPURCE NO. 1	SPURCE NO. 2	SPURCE NO. 3	SPURCE NO. 4	SPURCE NO. 5	SPURCE NO. 6	SPURCE NO. 7	SPURCE NO. 8	SPURCE NO. 9	SPURCE NO. 10	SPURCE NO. 11	SPURCE NO. 12	SPURCE NO. 13	SPURCE NO. 14	SPURCE NO. 15	SPURCE NO. 16	SPURCE NO. 17	SPURCE NO. 18	SPURCE NO. 19				
ROWN OF ROADWAY	31.780	31.692	31.611	31.524	31.430	31.335	31.235	31.136	31.036	30.936	30.839	30.764	30.716	30.679	30.653	30.639	30.639	30.653	30.679	30.716	30.764	30.839	30.936	31.036	31.136	
GUTTER	31.784	31.692	31.611	31.524	31.430	31.335	31.235	31.136	31.036	30.936	30.839	30.764	30.716	30.679	30.653	30.639	30.639	30.653	30.679	30.716	30.764	30.839	30.936	31.036	31.136	
TOP OF CURB	32.117	32.051	31.982	31.914	31.843	31.764	31.685	31.607	31.527	31.448	31.371	31.317	31.290	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276	31.276

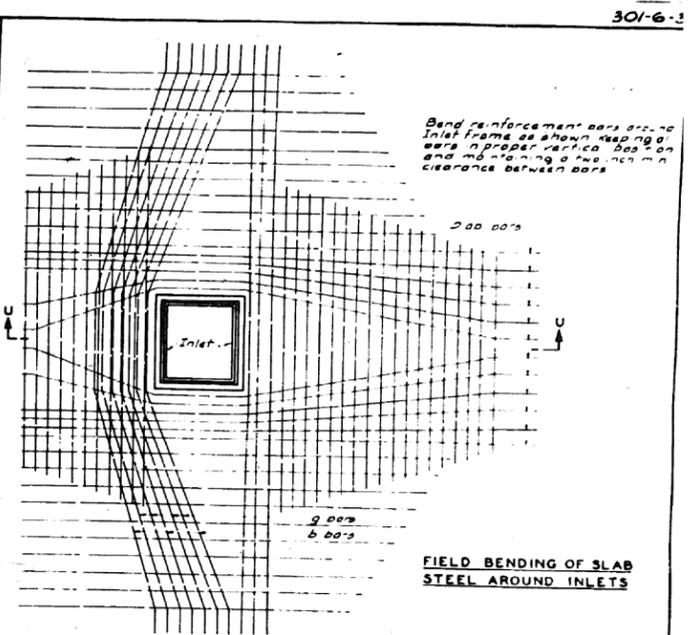
BILL OF MATERIAL																						
MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	D1	D2	D3	E	E1	E2	F	G	H	J	K	O	
01	354	3/8"	18-9		2	6	2-8	6"	3-2 1/2"	3-2 1/2"	3-2 1/2"	3-2 1/2"	2-5 1/2"	2-5 1/2"	2-5 1/2"	6-3 1/2"	6"	4 1/2"	4 1/2"	4 1/2"	28-7	
02	84	3/8"	27-6		1	7	26-11															
03	880	#4	29-0		4	6	2-5 1/2"	6 1/2"	3-0	3-0	3-0	3-0	2-3	2-3	2-3	2-5 1/2"	6	4 1/2"	4 1/2"	4 1/2"	26-8	

MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	E	G	H	J	K
032	52	#4	8-6		5	6-0	1-0	1-6				1-0		2
033	52	#4	9-3		5	6-3	1-1/2	1-6				1 1/2"		2
034	52	#4	10-3		5	7-9	1-1/2	1-6				1 1/2"		2
035	52	#4	11-3		5	8-9	1 1/2"	1-6				1 1/2"		2
036	208	#4	12-3		5	9-9	1-0	1-6				1 1/2"	2 1/2"	
037	104	1/2"	8-0		5	1-1	3-6	1-0	1-0	9		1 1/2"		2 1/2"
038	2	#4	10-9		7	4 1/2"	4-0	1-1	4-0	11	4 1/2"			

MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	E	G	H	J	K
C	418	1/2"	4-3		6	1-3	1-6	1-6						
C1	836	#4	2-9		6	1-2	5	1-2						
C2	418	1/2"	4-0		6	1-0	1-6	1-6						

MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	E	G	H	J	K
h	16	5/8"	7-0		3	7 1/2"	5-9					7 1/2"		5
h.10	6	#4	17-6		1	7	16-11							5
h.12	4	1/2"	6-6		7	2-10	1-0 1/2"	1-2	1-0 1/2"	5				
v.10	15	1/2"	3-9		5	1-6	2-3							
x	390	5/8"	4-0		1	7	3-5							5

CLASS #X CONCRETE 1395.7 CU. YDS.
 REINFORCEMENT BARS 272,480 LBS.
 SAFETY TREAD 80 LIN. FT.



MARK	NO.	SIZE	LENGTH	SKETCH
a1	726	3/8"	28-9	
a4	888	#4	26-9	
a0	4	#4	24-9	
a14	101	#4	18-3	
a23	4	5/8"	16-0	
b	1416	1/2"	31-9	
b1	192	#4	27-9	
b2	224	1/2"	31-3	
b3	1008	5/8"	32-0	
b4	140	#4	28-0	
g	838	1/4"	30-0	
h1	1	1/2"	2-0	
h2	1	#4	3-3	
h3	1	#4	5-0	
h4	1	#4	6-9	
h5	1	#4	8-9	
h6	1	#4	10-6	
h7	1	#4	12-6	
h8	2	1/2"	14-3	
h11	3	5/8"	5-9	
v	1	1/2"	1-9	
v.2	1	#4	2-6	
v.3	1	#4	3-0	
v.4	1	#4	3-6	
v.5	1	#4	4-0	
v.6	1	#4	4-9	
v.7	1	#4	5-3	
v.8	1	#4	5-9	
v.9	1	#4	6-3	
v.10	1	#4	6-9	
v.11	1	#4	7-6	
v.12	1	#4	8-0	
v.13	1	#4	8-6	
v.14	1	#4	9-8	
v.15	1	1/2"	9-9	

REVISIONS

DATE	BY	DESCRIPTION
Nov 1 1994	R.H. Cook	Bar size change in Dimensions

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS

WILLIAM N. ERICKSON
 GEORGE A. JUNKIN

SUPERSTRUCTURE CONCRETE DETAILS
 FOR SPANS 12, 13, 14, 15 & 16
CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

UNPLATE: RUSH & GOULD SECTION 082-2424 38.4
 DRAWN: J.G.
 CHECKED: H.G.

APPROVED: [Signature] 6/2/01
 62 1950 48 CP 216

0160461-60X75-5193-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

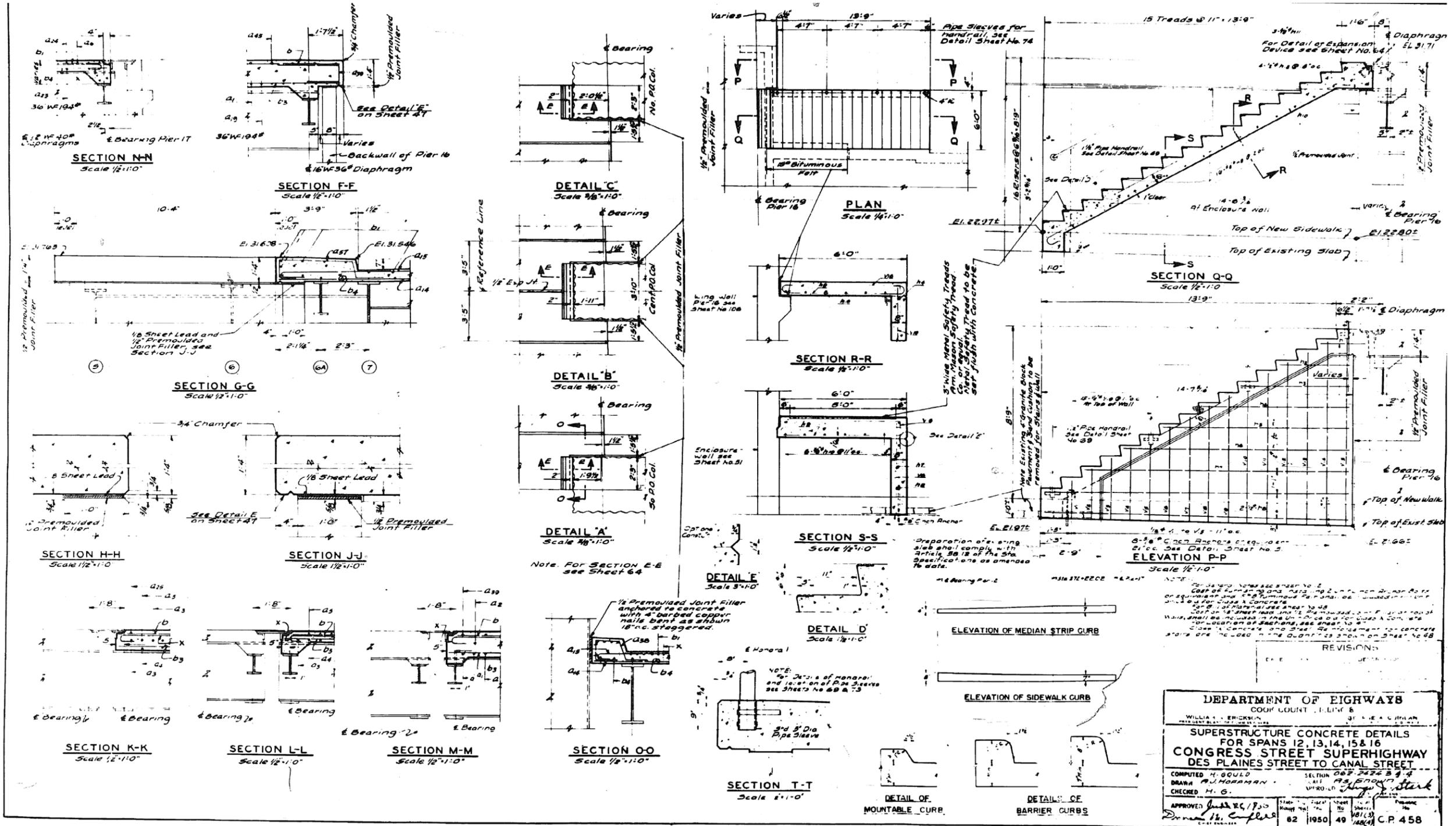
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	477
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

SHEET NO. 48 OF 194 SHEETS

FOR INFORMATION ONLY



DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS

SUPERSTRUCTURE CONCRETE DETAILS
 FOR SPANS 12, 13, 14, 15 & 16
CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED H. GOULD
 DRAWN A. J. MORRISMAN
 CHECKED H. G.

SECTION 016-0461
 AS SHOWN
 APPROVED [Signature] 6/2/50
 [Signature] 6/2/50

62 1950 49 101133
 C.P. 458

0160461-60X75-5194-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
DESIGNED -	CHECKED -	REVISED -
PLLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLLOT DATE = 5/8/2017	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

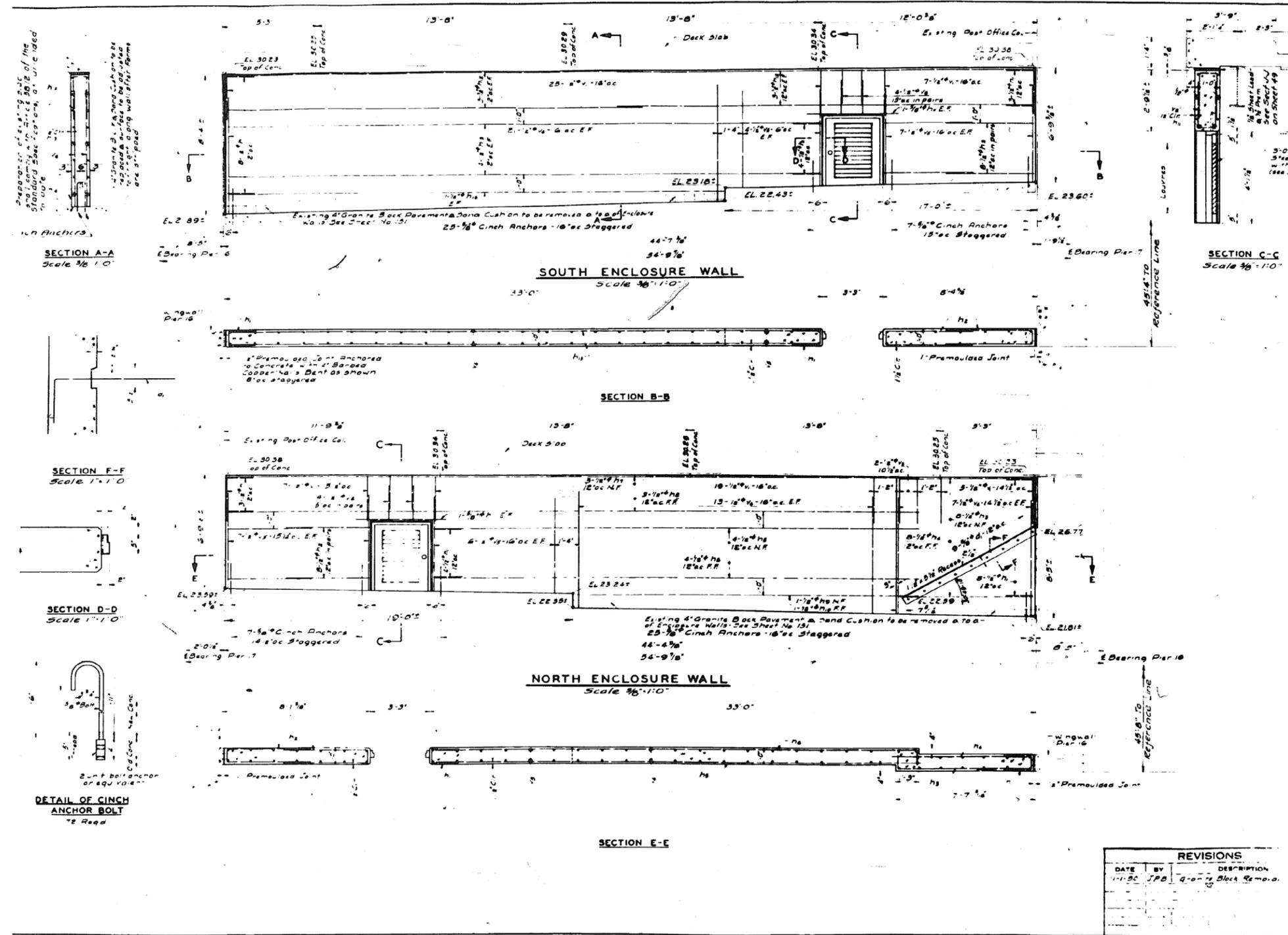
EXISTING PLANS
 STRUCTURE NO. 016-0461

SHEET NO. 49 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	478
CONTRACT NO. 60X75			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

301-6-3



BILL OF MATERIAL

Mark	Qty	Size	Length	Material	Type	A	B	C	D
D1	30	1/2"	3'-3"	U	6	1'-0"	9'	1'-0"	
D2	18	1/2"	10'-3"	U	6	4'-9"	9'	4'-9"	
D3	6	1/2"	7'-0"	U	5	1'-0"	7'-3"		
D4	4	1/2"	26'-9"	U	5	9'	26'-3"		
D5	2	1/2"	27'-0"	U	5	10'-2"	37'-2"		
D6	3	1/2"	38'-0"	U	5	10'-2"	37'-2"		
D7	7	1/2"	19'-0"	U	6	2'-8"	8'	2'-8"	
D8	1	1/2"	19'-8"	U	6	2'-0"	20'-0"		
D9	4	1/2"	5'-0"	U	6	2'-7"	17'-0"		
D10	2	1/2"	22'-9"	U	6	2'-7"	17'-0"		
D11	9	1/2"	27'-3"	U	6	2'-7"	17'-0"		
V1	63	1/2"	6'-0"	U	6	2'-8"	8'	2'-8"	
V2	3	1/2"	4'-9"	U	6	2'-7"	17'-0"		
V3	5	1/2"	5'-3"	U	6	2'-7"	17'-0"		
V4	82	1/2"	7'-0"	U	6	2'-7"	17'-0"		
V5	18	1/2"	5'-9"	U	6	2'-7"	17'-0"		
d1	9	5/8"	3'-0"	U	5	1'-0"	2'-6"		

CLASS 'X' CONCRETE
Reinforcement Bars
2 Steel Doors with Frames

LU lbs 22.6
lbs 833
each 2

Notes
For General Notes see Sheet No 12
Splicing of reinforcement bars to be 33 diameters minimum lap
Cost of furnishing and installing 2 Unit Cinch Anchor bolts, or equivalent, shall be included in the unit price bid for Class 'X' concrete
4 granite block pavement and sand cushion removal shall be paid for under the item of Pavement Removal

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

ENCLOSURE WALLS- PIER 16 TO PIER 17
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED: H. GOULD
DRAWN: J. BONNE
CHECKED: H. G.

SECTION: 060 24203 7 3
SCALE: AS SHOWN
APPROVED: E. J. G. J. SLACK

APPROVED: *James M. C. [Signature]* 2/3/90

State Route No.	Fiscal Year	Sheet No.	Total Sheets	Drawing No.
62	1950	51	181 (15) 148 (6)	C.P. 416

REVISIONS

DATE	BY	DESCRIPTION
11-15-50	J.P.B.	Change Block Removal

0160461-60X75-5196-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

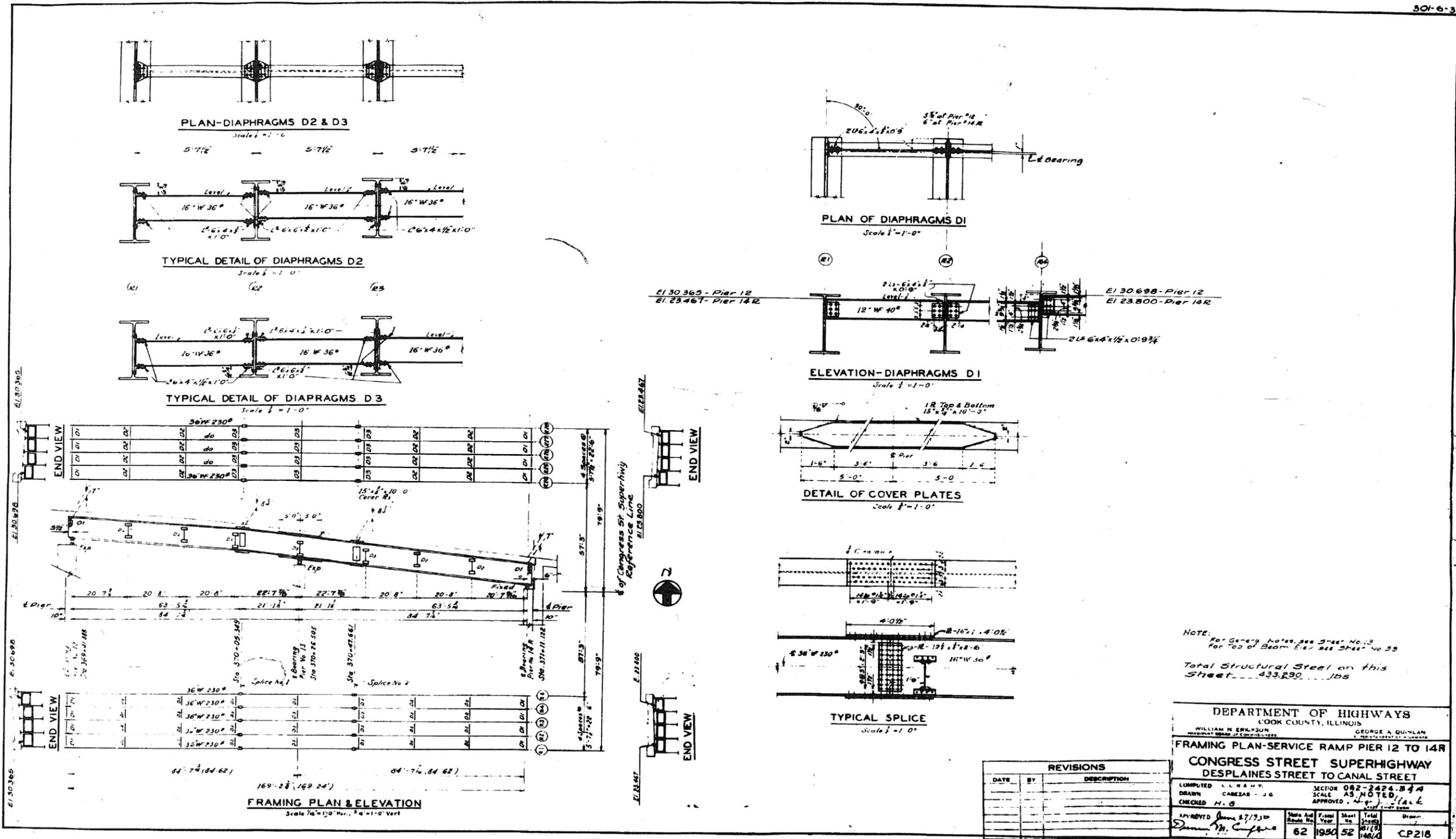
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 51 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	480
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

501-e-3



NOTE:
For General Notes, see Sheet No. 13
For Top of Beam Elevation, see Sheet No. 53
Total Structural Steel on this Sheet - 433,230 lbs

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERLANDSON
MEMBER BOARD OF COMMISSIONERS

GEORGE A. QUINLAN
MEMBER BOARD OF COMMISSIONERS

FRAMING PLAN-SERVICE RAMP PIER 12 TO 14R
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET

LUMPED L.L. & H.T. SECTION 062-2424.34A
DRAWN CABEZAS - J.G. SCALE AS NOTED
CHECKED H. G. APPROVED [Signature]

APPROVED [Signature]	State Aid Route No.	Fiscal Year	Sheet No.	Total Sheets	Drawn
	62	1950	52	148/148	CP218

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X75-5197-EXT.dgn

PARSONS BRINCKERHOFF

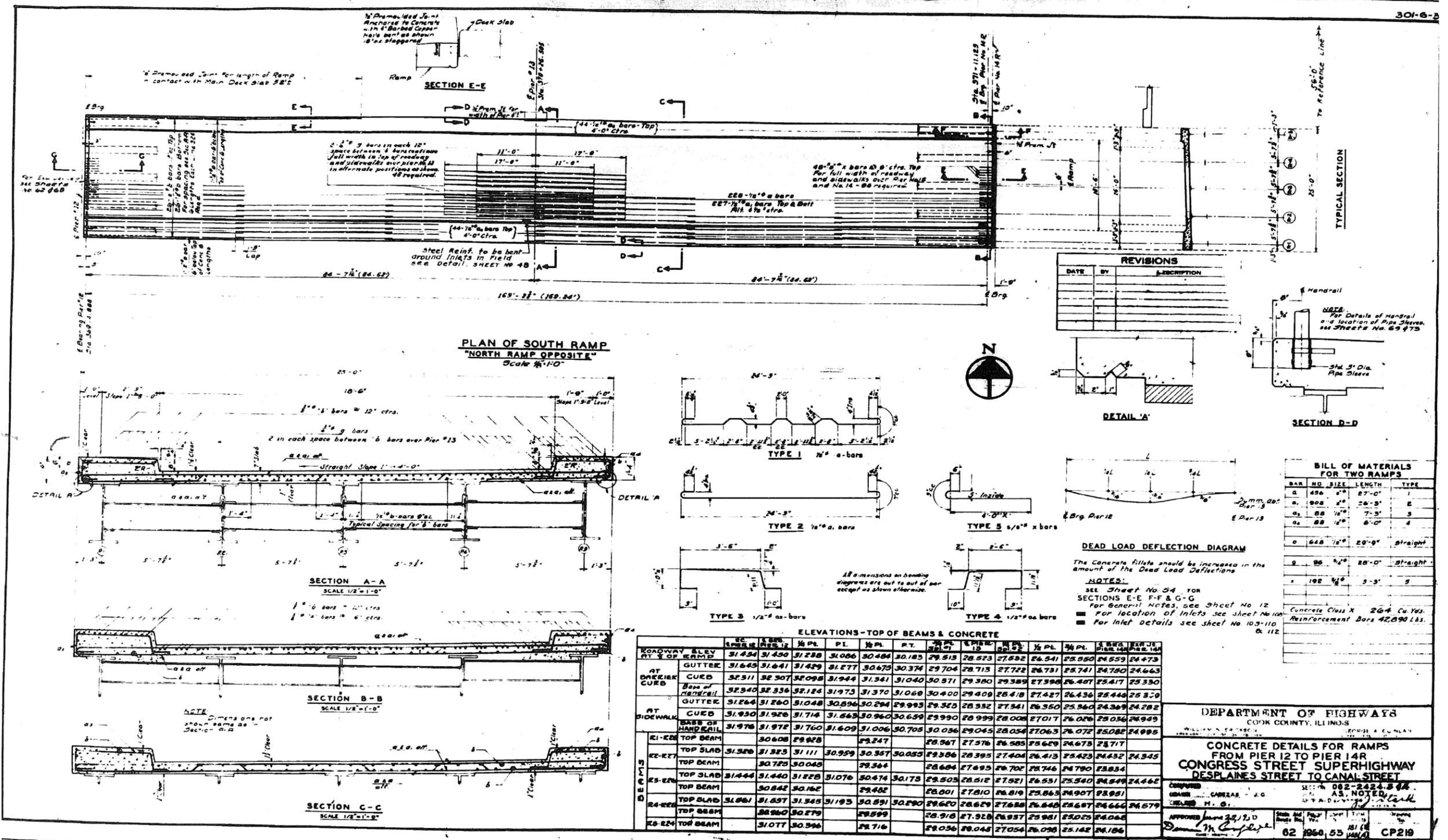
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 52 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	481
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

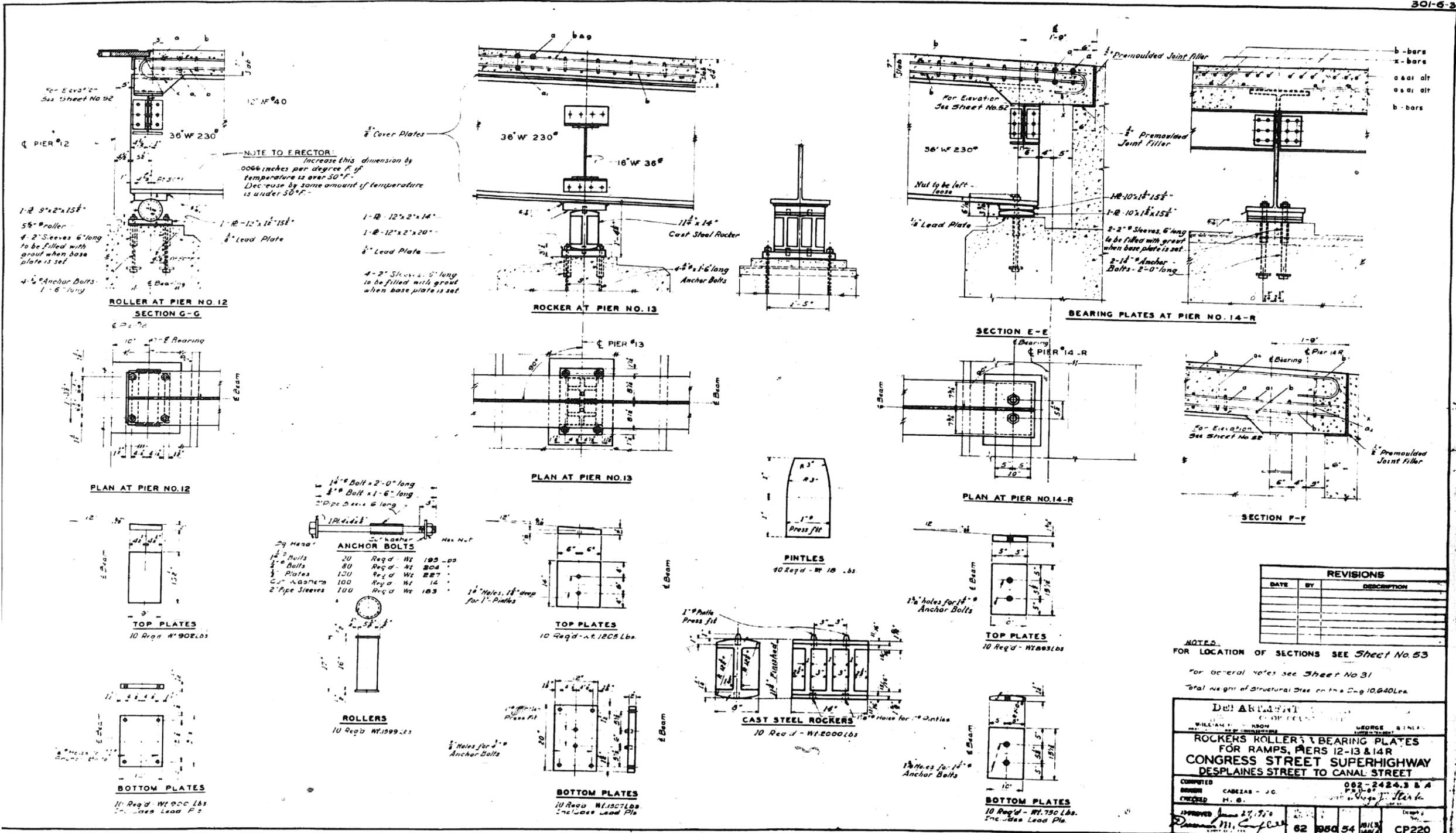
FOR INFORMATION ONLY



0160461-60X75-5198-EXT.dgn

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5199-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

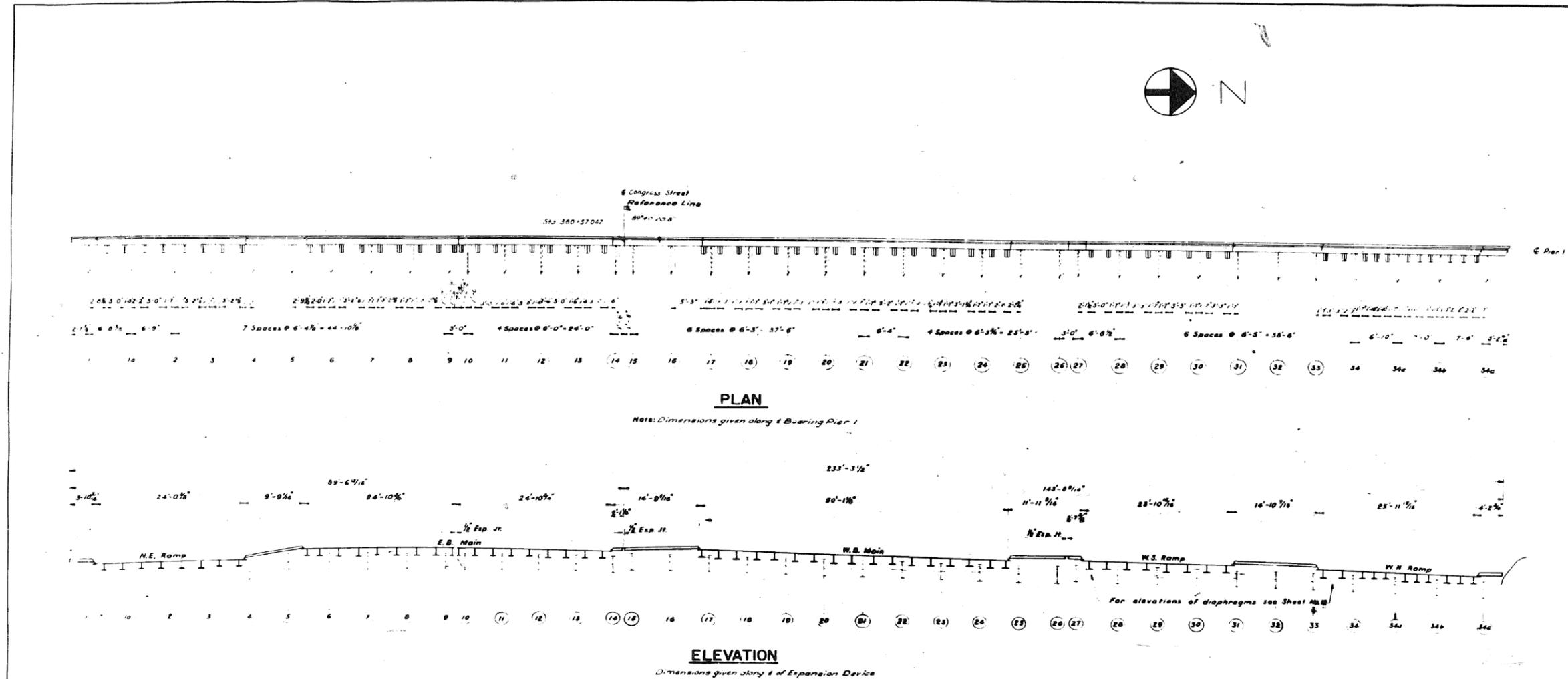
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 54 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	483
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



NOTE:
Anchors of Sidewalks and Median Strips are shown on Sheet No 57
Finger plates not shown in plan.
G of Expansion Device is the same as G of Pier 1.

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. SHANKSON
GEORGE A. SHANLAN

EXPANSION DEVICE AT PIER 1
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET

SECTION 062-2423.3 B.4
SCALE 1/8"=1'-0"

APPROVED: [Signature]
DATE: 6/21/10

DATE: 6/21/10
SCALE: 1/8"=1'-0"
SHEET NO. 55 OF 194 SHEETS
CONTRACT NO. CP 425

0160461-60X75-5200-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

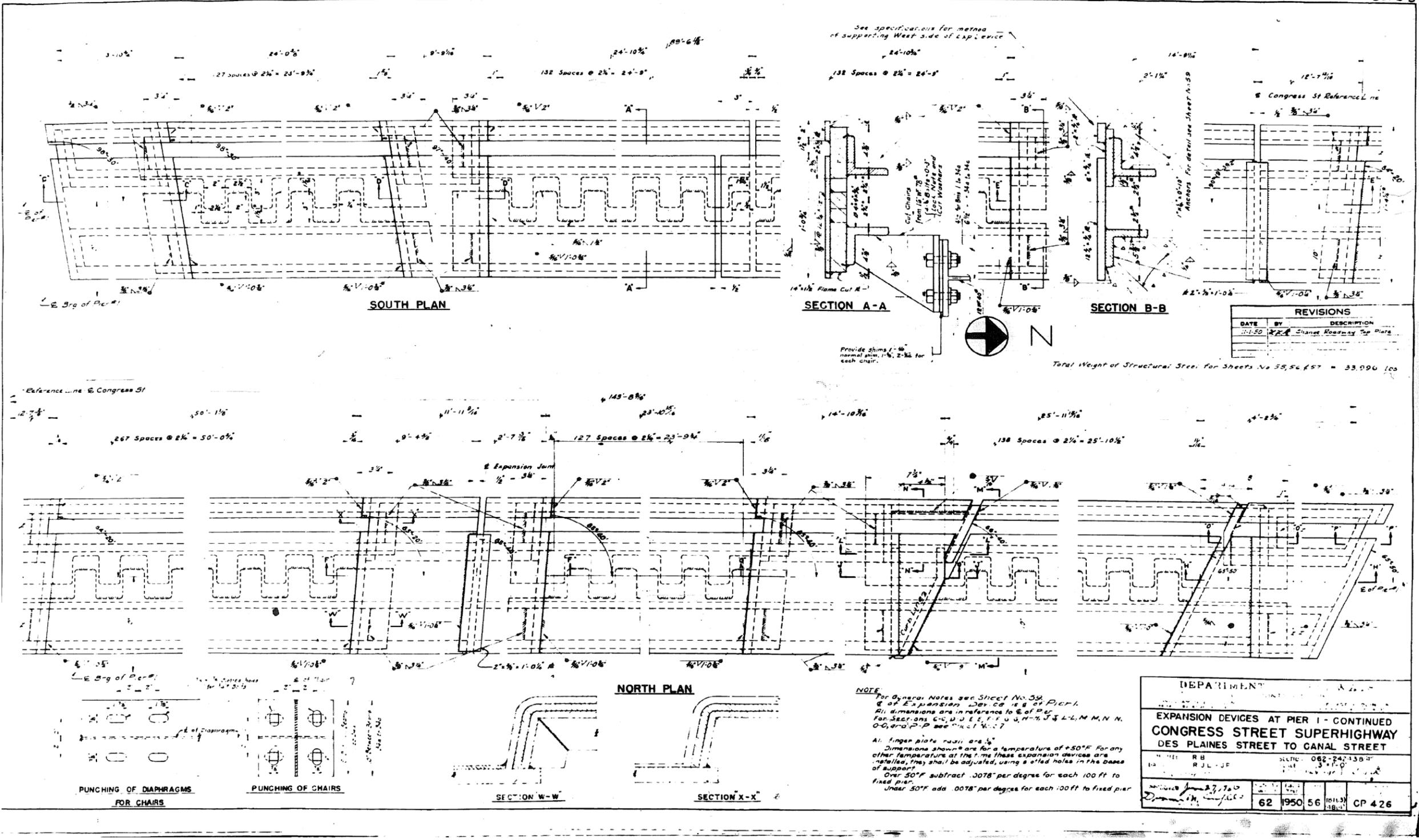
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 55 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	484
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5201-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

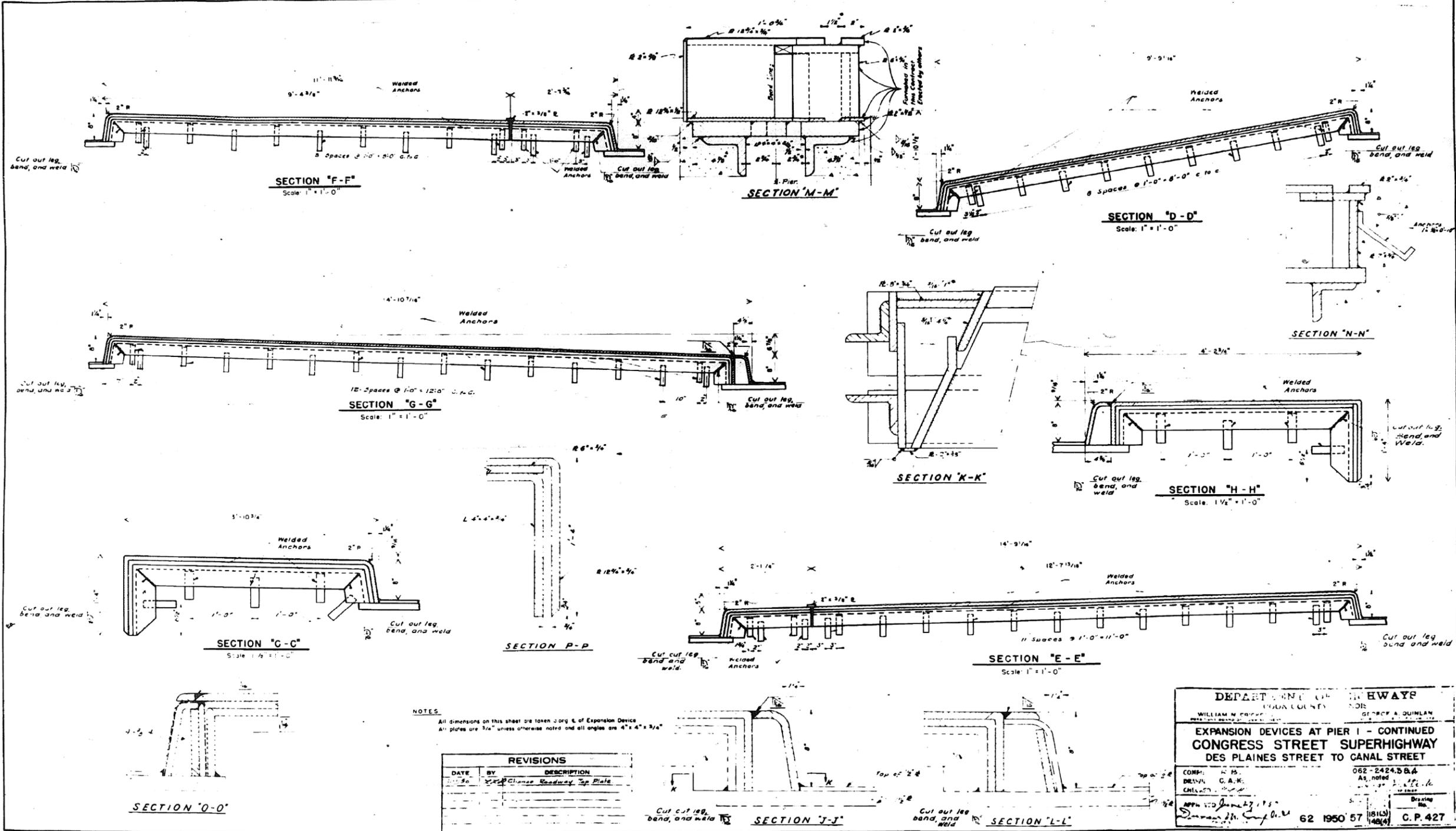
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 56 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	485
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



NOTES
 All dimensions on this sheet are taken from § of Expansion Device
 All plates are 3/4" unless otherwise noted and all angles are 4" x 4" x 3/4"

REVISIONS		
DATE	BY	DESCRIPTION
11/30	DCP	Change Roadway Top Plate

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM M. FROST, COUNTY ENGINEER
 GEORGE A. QUIMLAN, COUNTY SUPERVISOR

EXPANSION DEVICES AT PIER 1 - CONTINUED
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMP: W. B. 062-2424.3 B.4
 DRAWN: C. A. K. As noted
 CHECKED: J. J. K. J. J. K.
 APPROVED: [Signature] 62 1950 57 (1813) C. P. 427
 148/4

0160461-60X75-5202-EXT.dgn

PARSONS BRINCKERHOFF

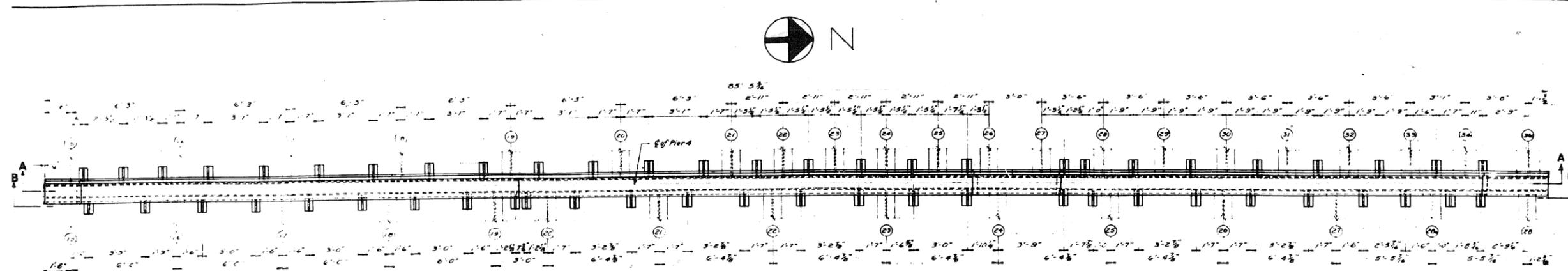
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
 SHEET NO. 57 OF 194 SHEETS

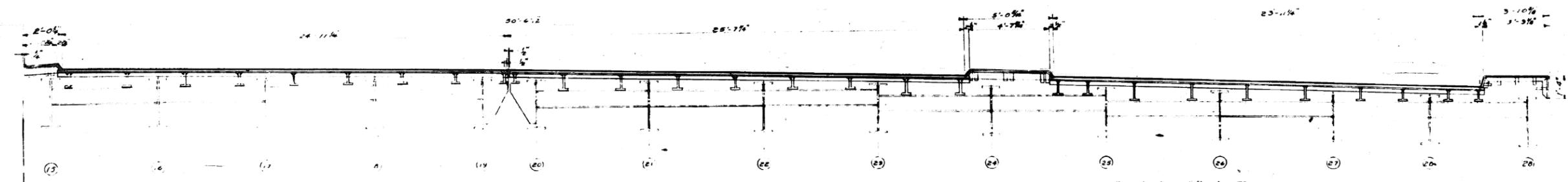
F.A.I. R.T.E. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 486
				CONTRACT NO. 60X75
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



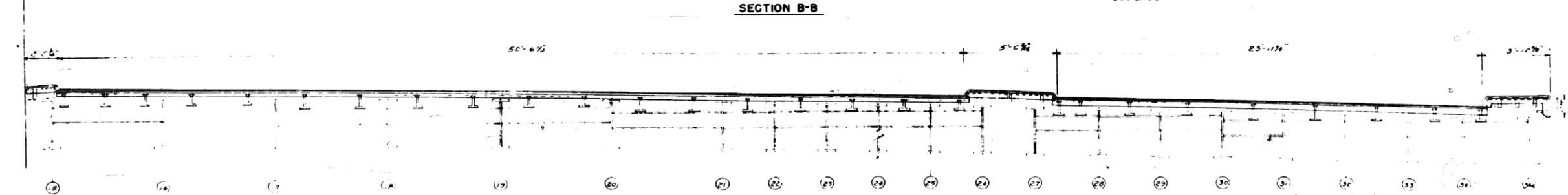
PLAN
NORTH PORTION
FOR SOUTH PORTION CHAIR SPACING SEE SHEET NO. 60

NOTE: All dimensions are given in reference to
C of Pier 4
Fingers not shown in Plan
C of Pier 4 is C of Expansion Device.



SECTION B-B

For elevations of Diaphragms
see Sheet No. 33



SECTION A-A

For elevations of Diaphragms
see Sheet No. 21

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. ERICKSON PRESIDENT, BOARD OF SUPERVISORS	GEORGE A. QUINLAN COMMISSIONER
EXPANSION DEVICES AT PIER 4 CONGRESS STREET SUPERHIGHWAY DESPLAINES ST. TO CANAL ST.	
COMPUTED: L.L. R. B.	SECTION: 062-24243 B-4
DRAWN: A.B. KIM - K.M.	DATE: 5/8/2017
CHECKED: J.C.	BY: J.C.
APPROVED: June 24, 2017 James J. C. [Signature]	Ad. Total Sheet Total No. 62 1950.58 148.4

0160461-60X75-5203-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

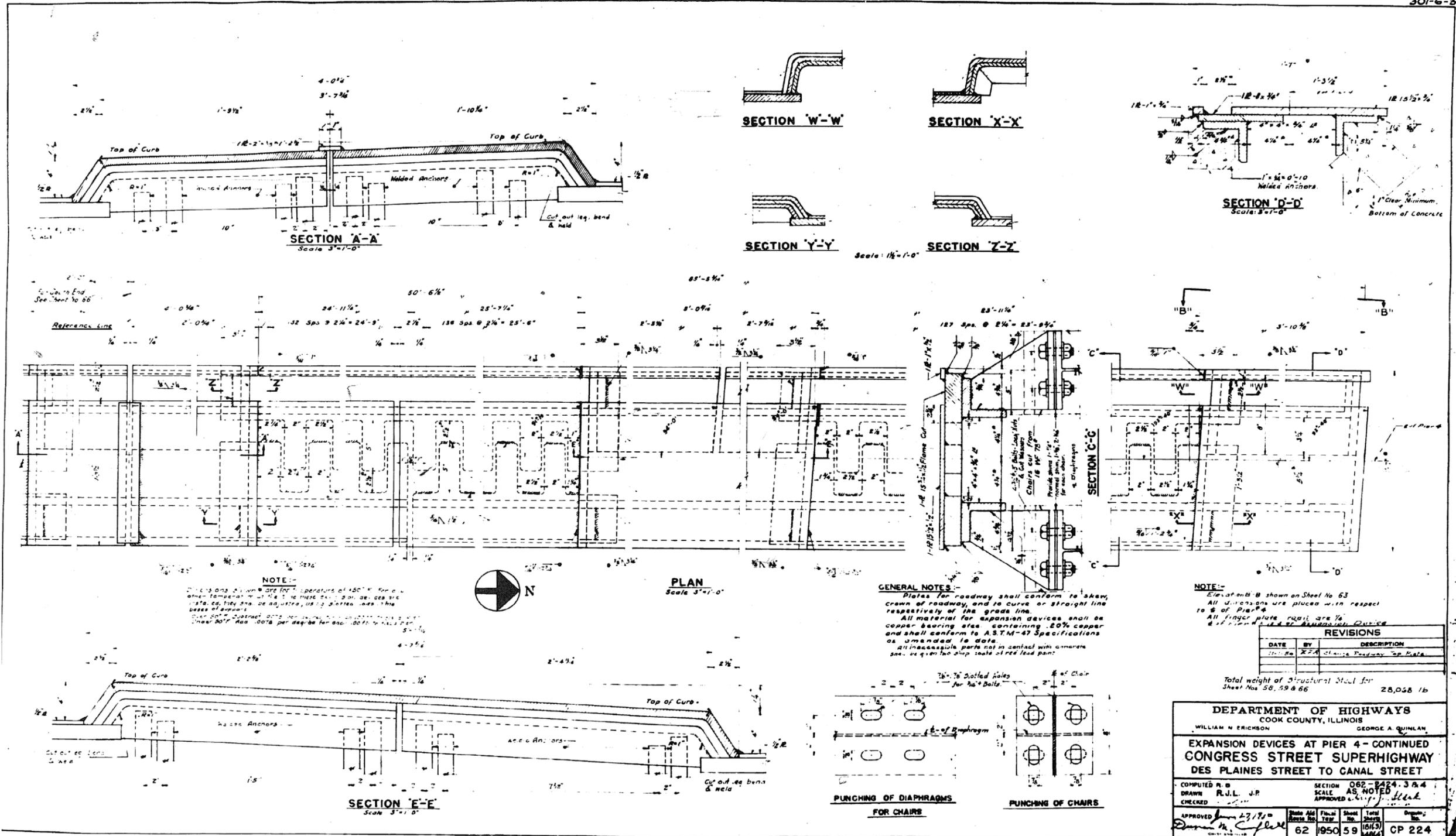
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 58 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	487
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2



0160461-60X75-5204-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

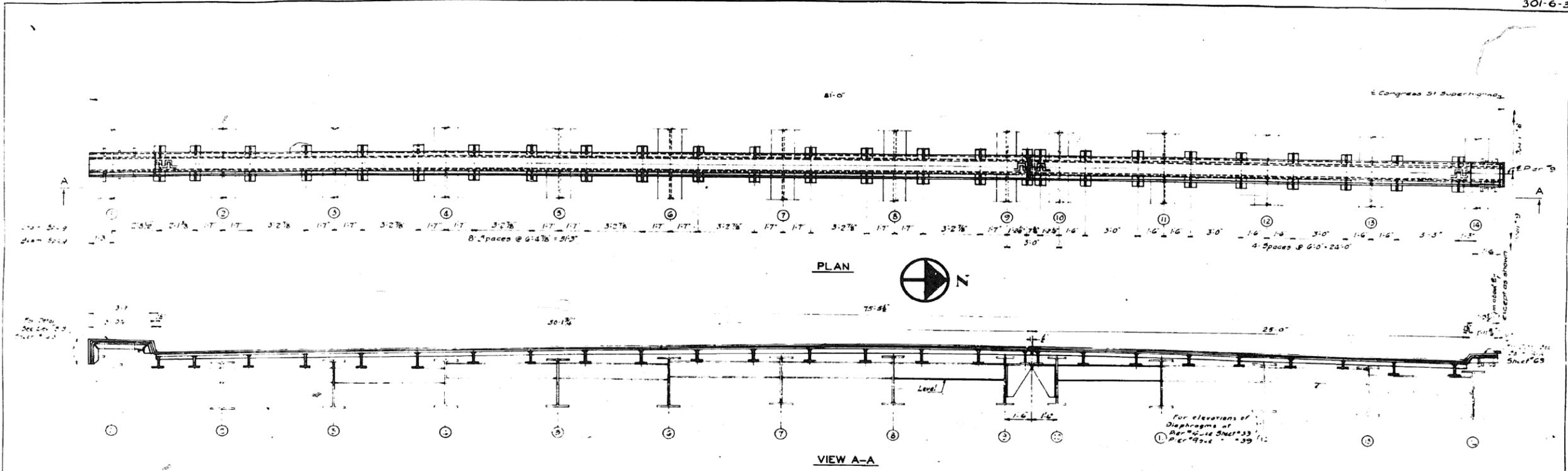
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 59 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	488

CONTRACT NO. 60X75
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

301-6-3



DEPARTMENT OF HIGHWAYS <small>WILLIAM F. ... A. QUINLAN</small>	
EXPANSION DEVICES AT PIER 9 CONGRESS STREET SUPERHIGHWAY DESPLAINES STREET TO CANAL STREET	
COMPUTER: L. L. ... DRAWN: W. N. ... CHECKED: R. N. ...	082-2424.3 & 4 (Date) (Signature)
APPROVED: (Signature) (Date)	62 1850 60 100(1) CP225

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X75-5205-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

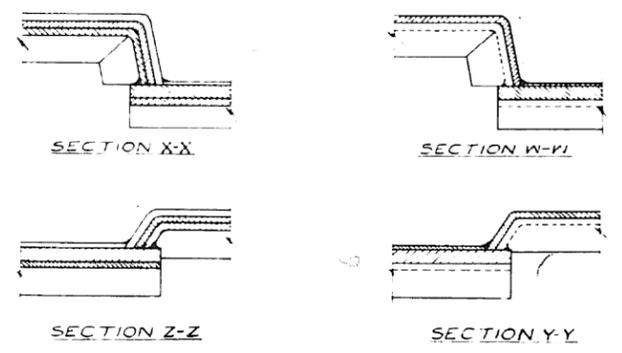
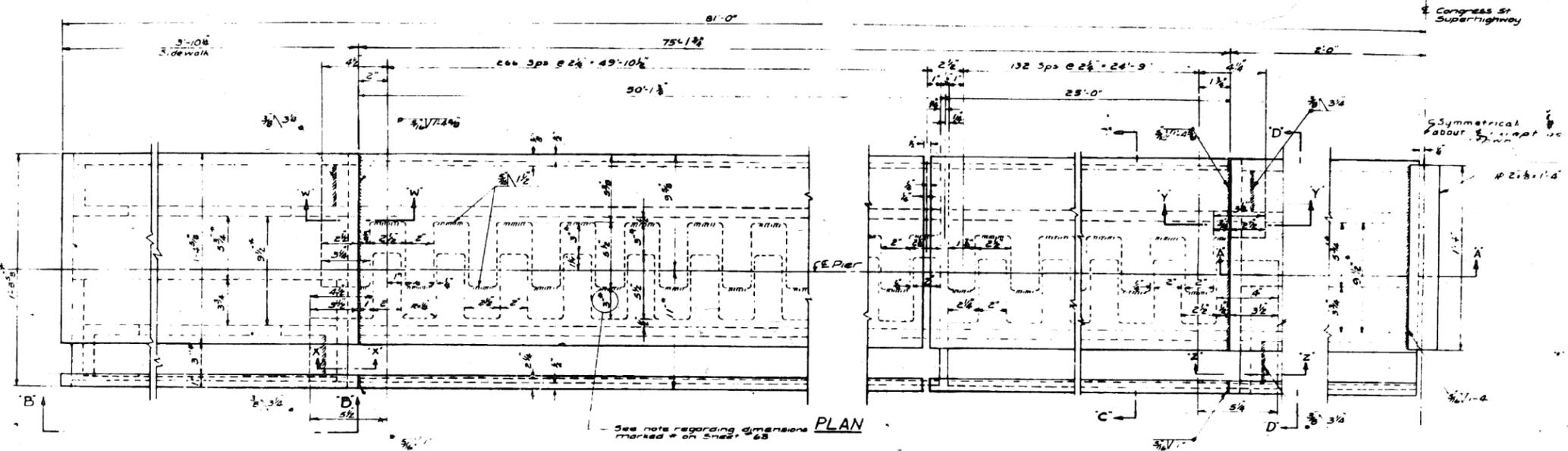
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 60 OF 194 SHEETS

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	489
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016



NOTE:
For Sections A-A, B-B, C-C & D-D
see Sheet No. 63
For General Notes see Sheet # 59

Total Weight of Structural Steel
for sheets 60 & 61 32,372 Lbs

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS
WILLIAM N. ERICKSON
FRANKLIN M. BROWN

EXPANSION DEVICES AT PIER 9 - CONTINUED
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED BY R.J.L. SECTION 062-2424.3 & 4
SCALE 1/4" = 1'-0"
DRAWN BY R.J.L.
APPROVED BY *[Signature]*

CHECKED BY R. L. LANGRISH

APPROVED BY *[Signature]* State Aid No. 62 Fiscal Year 1950 Sheet No. 61 of 61 Total Sheets 148/148

Dr. No. C.P. 226

REVISIONS		
DATE	BY	DESCRIPTION
11-1-50	R.J.L.	Change Roadway To Right

0160461-60X75-5206-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

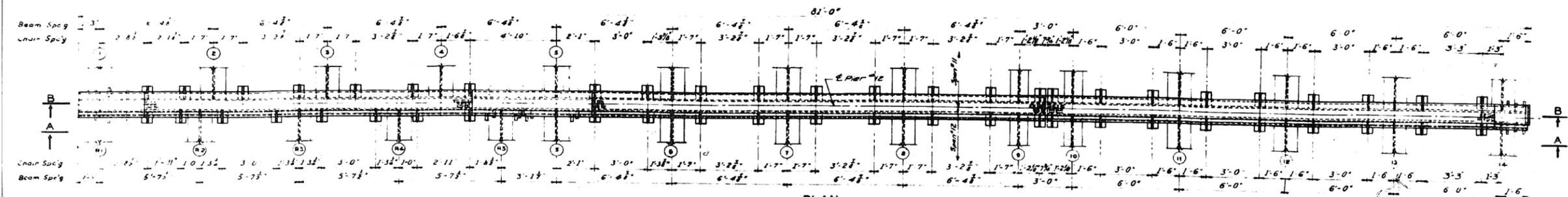
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 61 OF 194 SHEETS

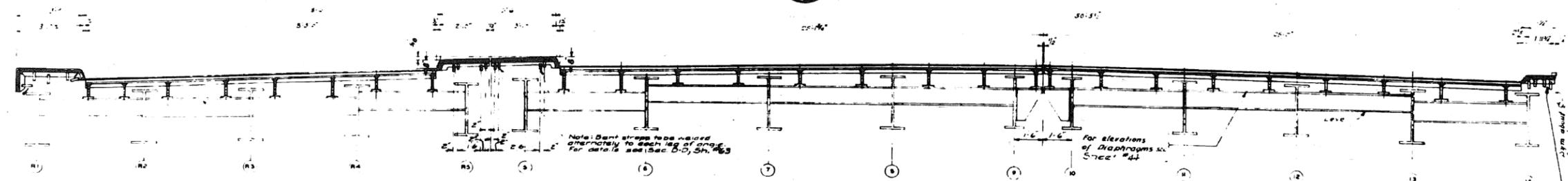
F.A.I. RTE. 90/94/290	SECTION 2014-001 R&B (EB)	COUNTY COOK	TOTAL SHEETS 696	SHEET NO. 490
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

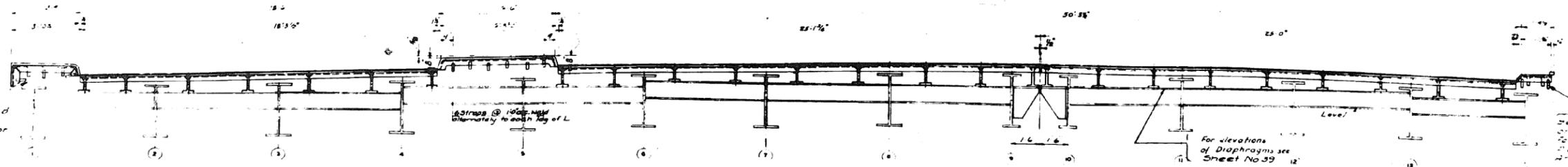
301-6-3



PLAN
SCALE 3/8" = 1'-0"



VIEW A - A



SECTION B - B

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICSSON
GEORGE A. JUMBLAN

EXPANSION DEVICES AT PIER 12
CONGRESS STREET SUPERHIGHWAY
DESPLAINES STREET TO CANAL STREET

COMPUTED L.L.R.
DRAWN W.H.T.J.C.
CHECKED E.A. Lange

SECTION 062-2424.3 & 4
SCALE 1/8" = 1'-0"
APPROVED [Signature]

APPROVED [Signature] 5/7/1962
[Signature]

Sheet No.	62
Total Sheets	181(17)
Contract No.	CP228

0160461-60X75-5207-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

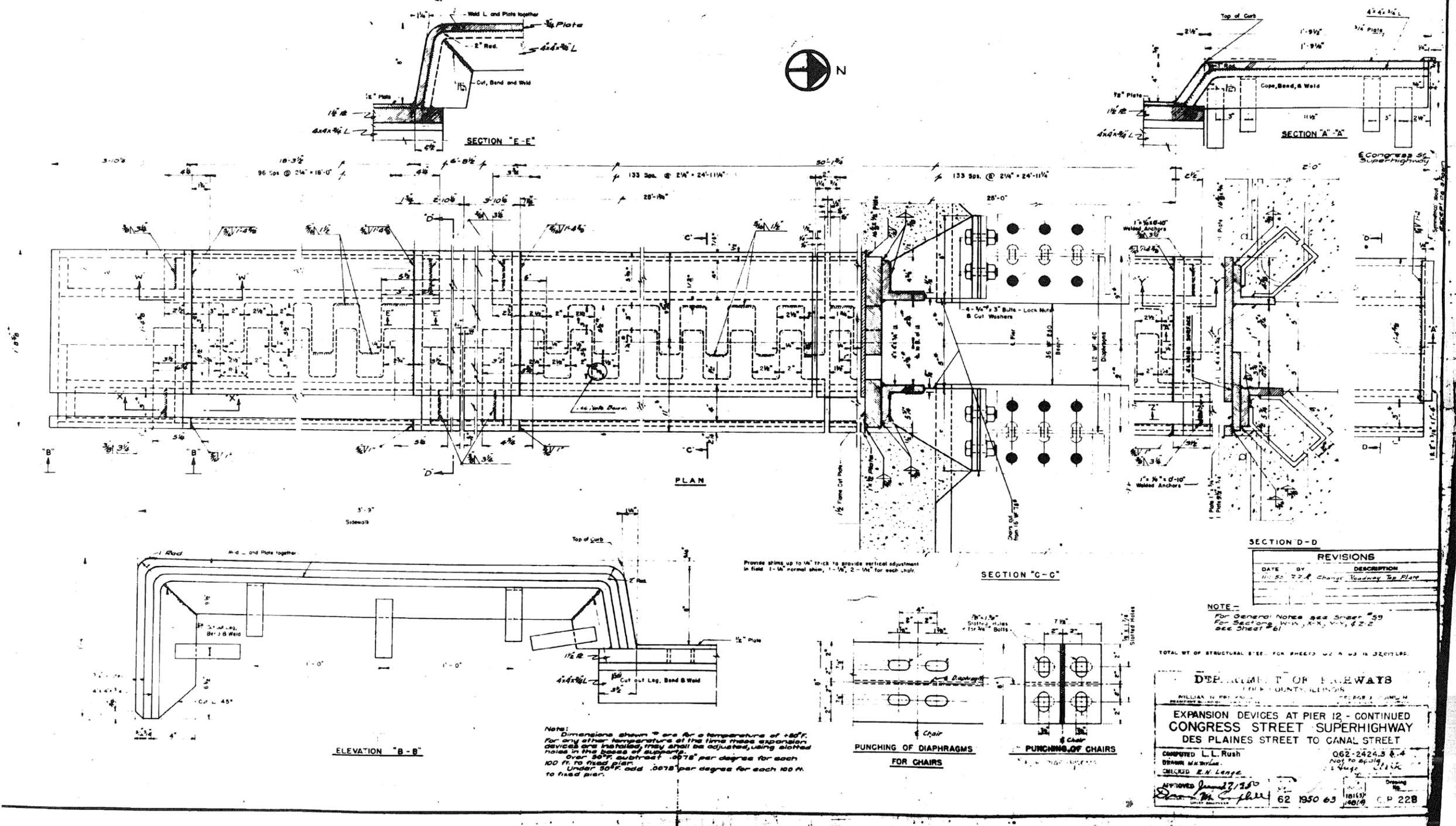
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 62 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	491
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

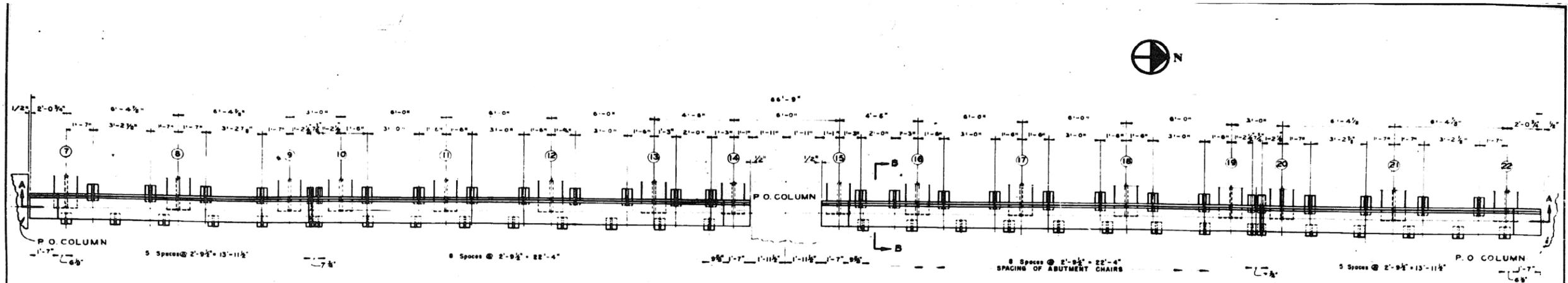
301-6-3



0160461-60X75-5208-EXT.dgn

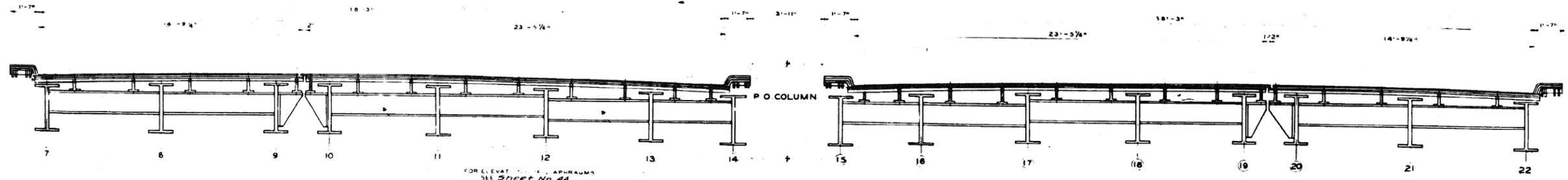
PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 016-0461	F.A.I. R.T.E. = 90/94/290	SECTION = 2014-001 R&B (EB)	COUNTY = COOK	TOTAL SHEETS = 696	SHEET NO. = 492
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			SHEET NO. = 63 OF 194 SHEETS	CONTRACT NO. 60X75			
	PLOT DATE = 5/8/2017	CHECKED - JIG	REVISED -							ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



PLAN
SCALE 3/8"=1'-0"

NOTE -
SEE Sheet No 64 FOR DETAILS OF EXPANSION DEVICE
IN FRONT OF POST OFFICE COLUMNS
FOR SECTION B-B SEE Sheet No 64
FOR GENERAL NOTES SEE Sheet No 59



SECTION "A-A"
SCALE 3/8"=1'-0"

END POST OFFICE COLUMNS NOT SHOWN
IN THIS VIEW

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. TRICKSON
COUNTY ENGINEER

EXPANSION DEVICE AT PIER 17
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

H. GOULD
082-2424.344
AS SHOWN
H. G.

62 950 65 10/15/14 146(1) CP230

REVISIONS	
DATE	DESCRIPTION

0160461-60X75-5210-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

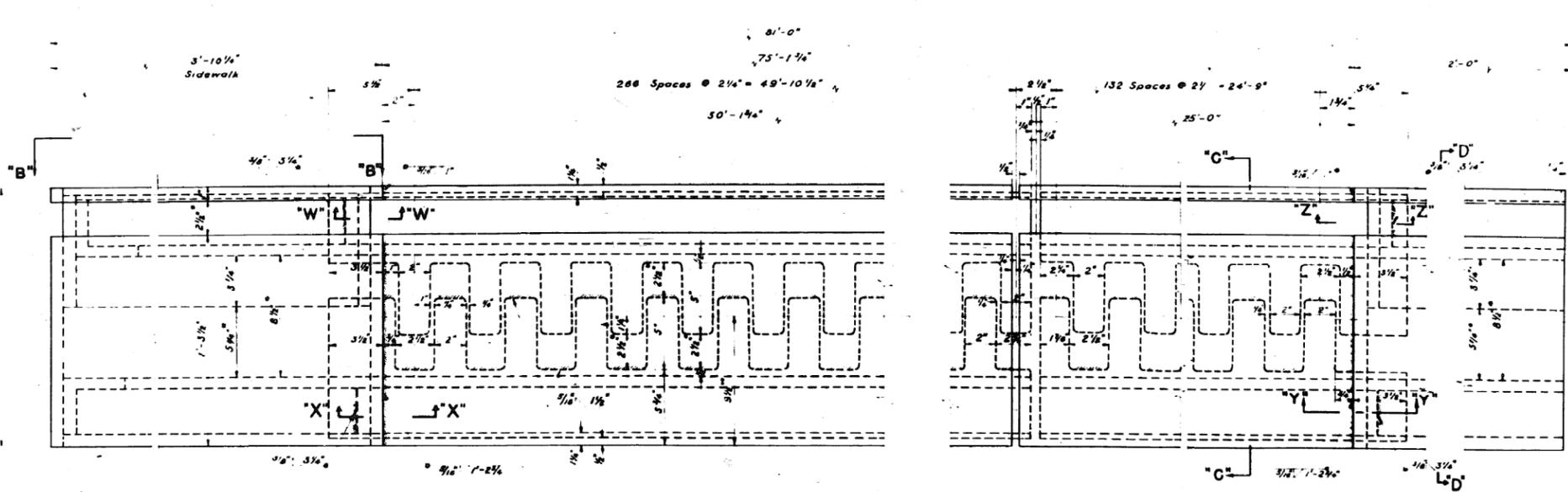
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 65 OF 194 SHEETS

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	494
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



Dimensions shown are for temperature of +50°F. For any other temperature at the time these expansion devices are installed, they shall be adjusted, using stated notes in the basis of support.
Over 50°F Subtract .0078 per degree for each 100ft of fixed pier.
Under 50°F Add .0078 per degree for each 100ft to fixed pier.

NOTE:-
SECTIONS "C-C" & "D-D" AS SHOWN ON SHEET NO 59
SECTIONS "W-W", "X-X", "Y-Y" & "Z-Z" SHOWN OPPOSITE SIDE ON SHEET NO 58
FOR ELEVATION "B-B" SEE SHEET NO 53
FOR GENERAL NOTES SEE SHEET NO 59
FOR PUNCHING OF DIAPHRAGMS AND CHAIRS SEE SHEET NO 59
ALL FINGER PLATE RADII ARE 1/4"
E OF EXPANSION DEVICES E OF PIER NO 4

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS					
WILLIAM N. ERICK PRESIDENT		GEORGE A. QUINLAN COMMISSIONER			
EXPANSION DEVICES AT PIER 4 - CONTINUED CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET					
COMPUTED BY	R. B.	SECTION	082-24843 & 4		
DRAWN BY	R.J.L., J.P.	SCALE	3/4" = 1'-0"		
CHECKED BY	J.P.	APPROVED	<i>[Signature]</i>		
APPROVED	<i>[Signature]</i>	State Aid	Fiscal Year	Sheet No.	Total Sheets
		62	1950	66	101 (14)
					Drawing No. C P 465

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

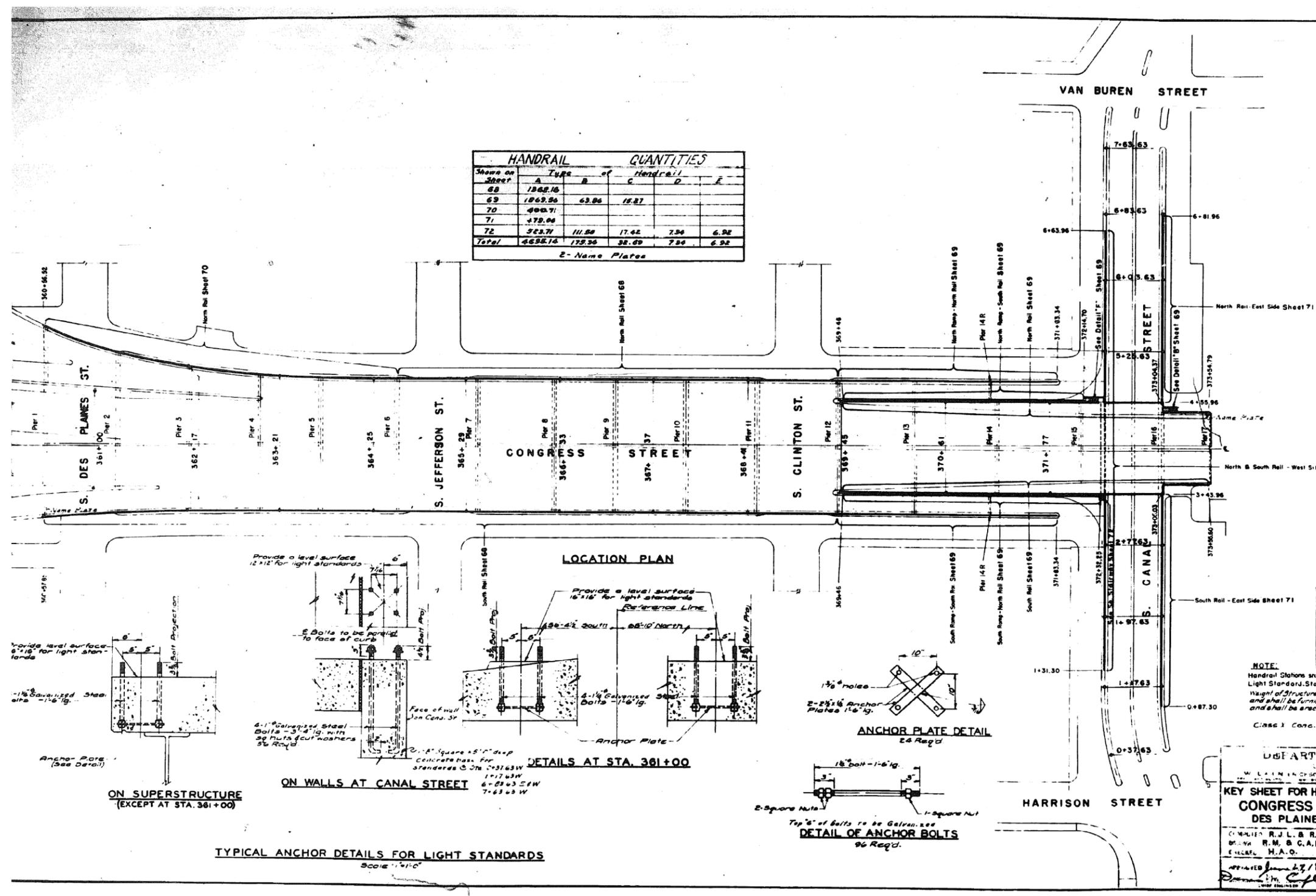
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 66 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	495
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

0160461-60X75-5211-EXT.dgn

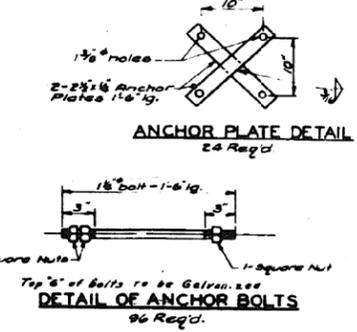
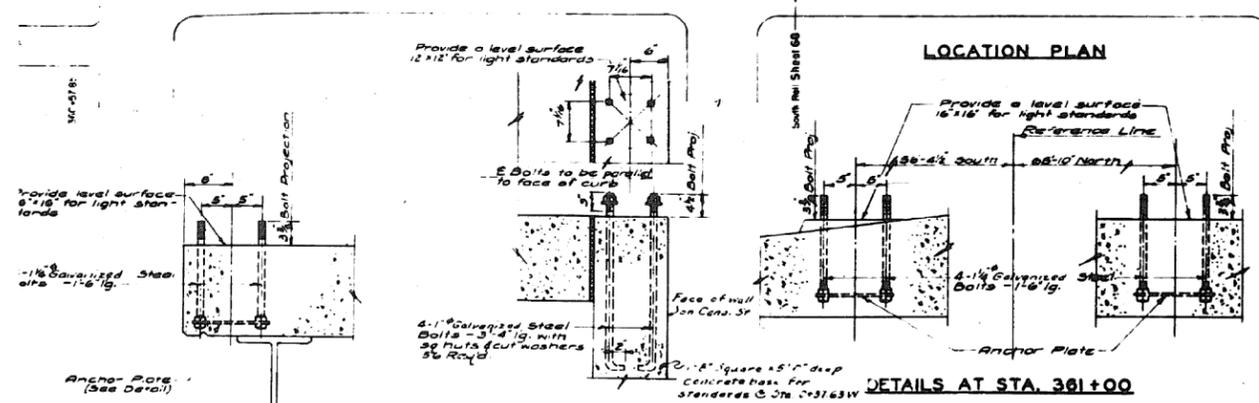
FOR INFORMATION ONLY

301-6-3



Shown on Sheet	HANDRAIL QUANTITIES				
	Type A	Type B	Type C	Type D	Type E
68	1368.16				
69	1869.96	63.96	18.87		
70	498.71				
71	478.00				
72	523.71	11.88	17.42	7.36	6.92
Total	4638.14	175.36	36.29	7.84	6.92

Z-Name Plates



REVISIONS		
DATE	BY	DESCRIPTION
11-20-06	J.J.	Revision as per Section 2424.3

NOTE:
Handrail Stations shown are E of End Posts.
Light Standard Stations are E of Standard.
Weight of Structure Steel on this Sheet and Sheet 73 is 1533 Lbs and shall be furnished by the Contractor for Sect on 2424.3 and shall be erected by the Contractor for Section 2424.3.
Class 1 Conc. for light standard bases = 2.5 cu yd.

DEPARTMENT OF HIGHWAYS
ILLINOIS

KEY SHEET FOR HANDRAIL & LIGHT STANDARD LOCATION
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

DESIGNED BY: R.J.L. & R.K.
DRAWN BY: R.M. & C.A.K.
CHECKED BY: H.A.O.

DATE: 08-28-03
SCALE: 1"=50'-0"

APPROVED: [Signature] 11/17/06

DATE: 06-27-06
SCALE: 1"=50'-0"

PROJECT NO. 062-9424.3
SHEET NO. 67 OF 148
CONTRACT NO. C.P. 441

0160461-60X75-5212-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

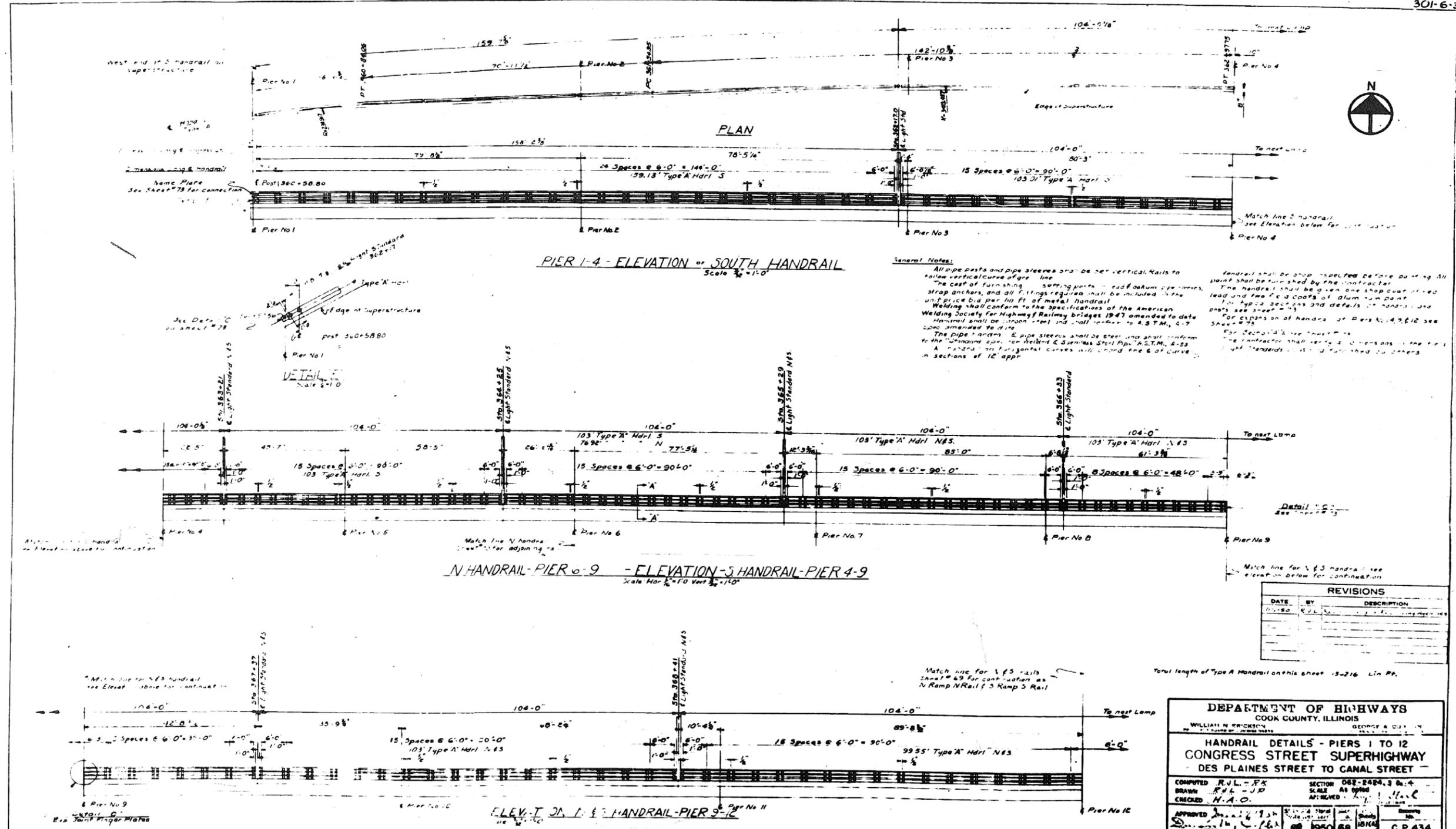
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 67 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	496
CONTRACT NO. 60X75				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5213-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

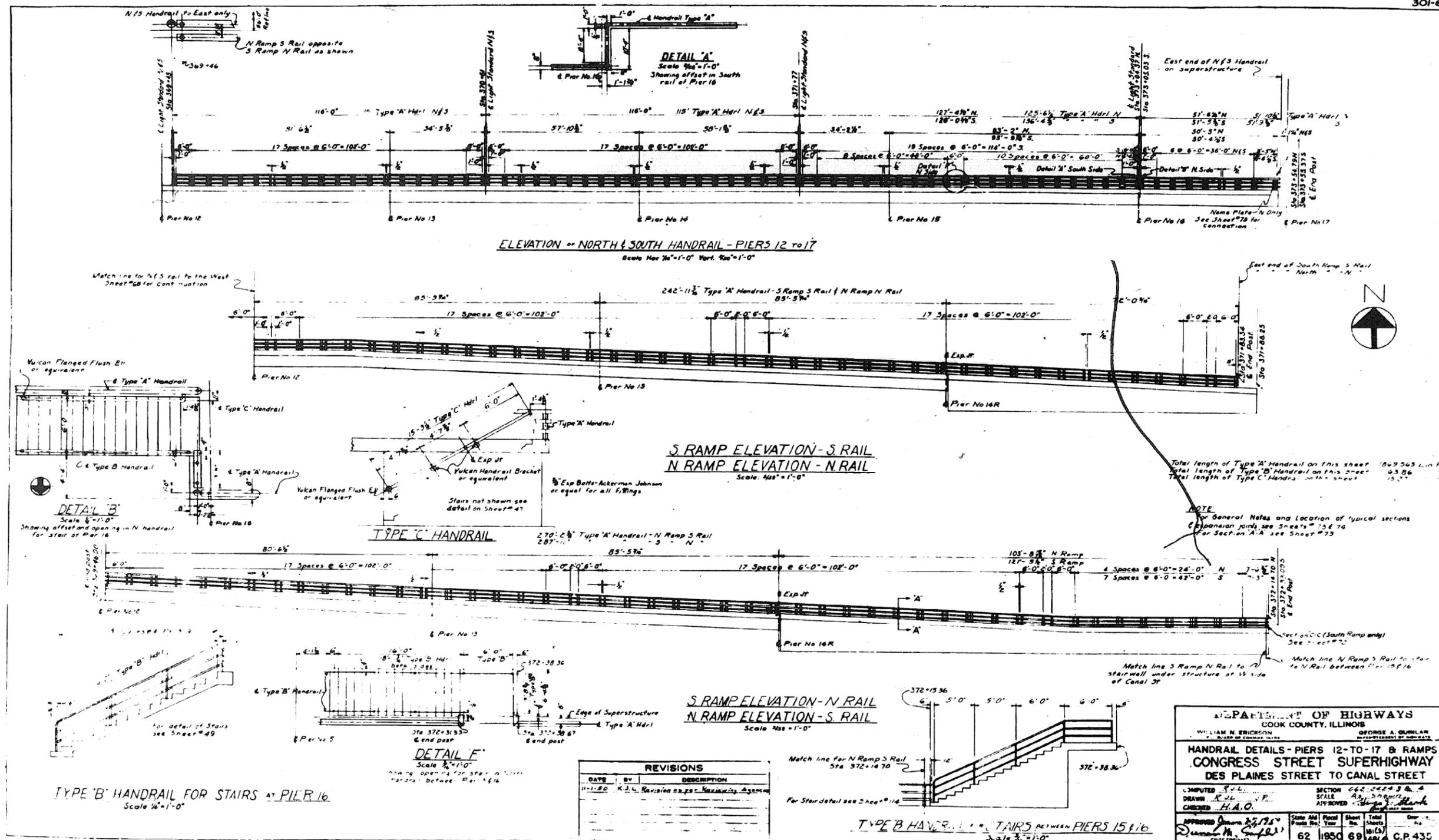
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 68 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	497
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X75	

FOR INFORMATION ONLY

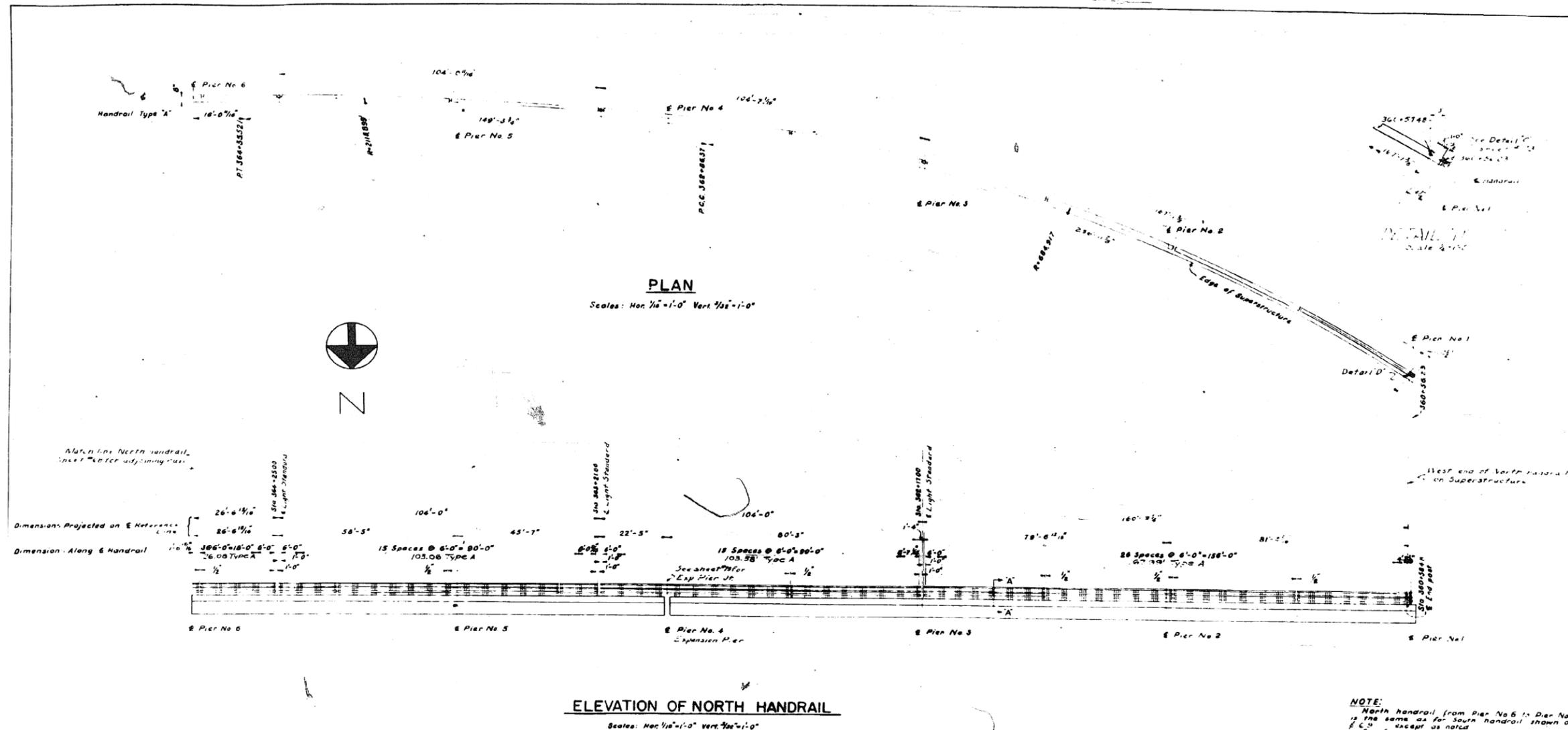
301-6-3



0160461-60X75-5214-EXT.dgn

FOR INFORMATION ONLY

301-E-3



DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

NORTH HANDRAIL DETAILS PIERS No. 1 TO 6
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

DATE	BY	DESCRIPTION
7/1/50	R. J. L.	As shown
	J. P.	
	A. J. O.	

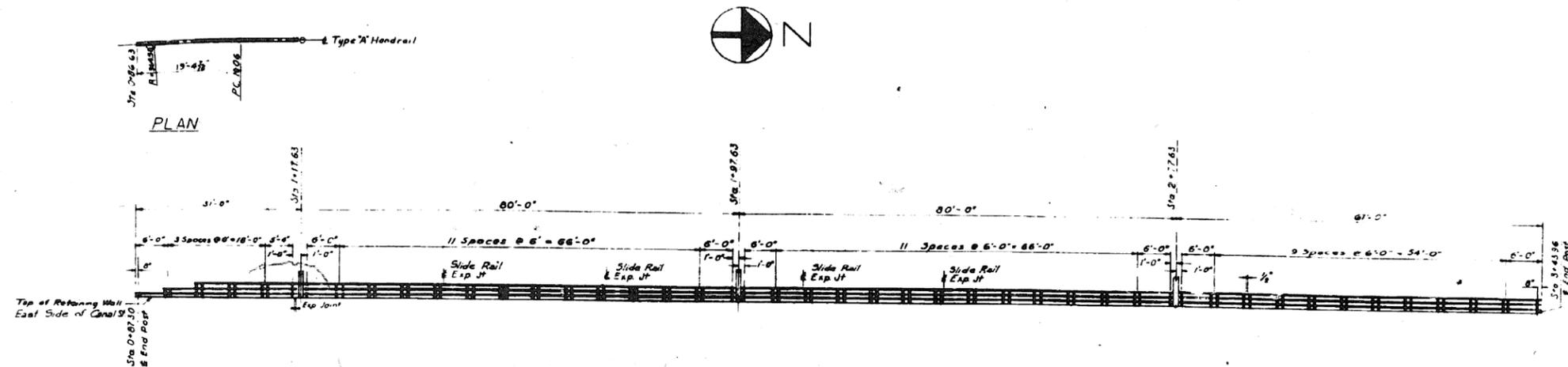
APPROVED: *[Signature]*

62 1950 70 CP 436

0160461-60X75-5215-EXT.dgn

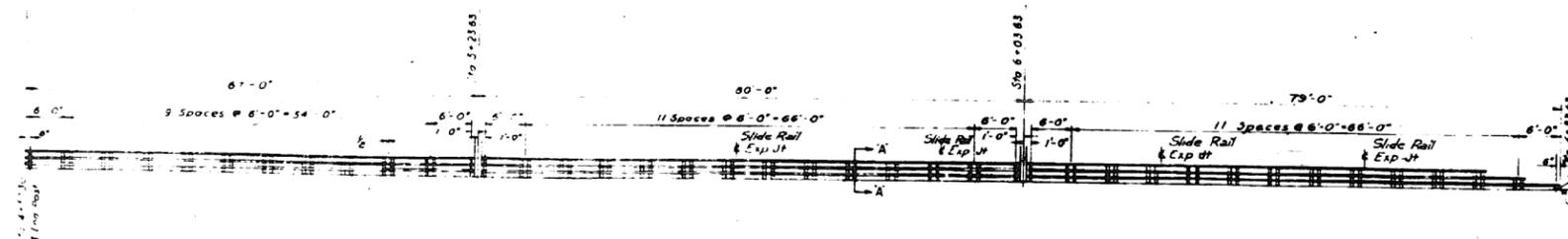
FOR INFORMATION ONLY

301-6-1



ELEVATION - SOUTH HANDRAIL - EAST SIDE
Scale 3/8"=1'-0"

NOTE
For General Notes see Sheet # 68
For Typical sections and expansion joints see Sheet # 73
For Section A-A see Sheet # 73
For Detail of Retaining Walls on East Side Canal see Sh. # 131, 132, 133



ELEVATION - NORTH HANDRAIL EAST SIDE
Scale 3/8"=1'-0"

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

HANDRAIL DETAIL EAST SIDE CANAL ST.
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

DATE: 4-10-10
BY: [Signature]
DESCRIPTION: [Signature]

62 4950 71 CR 439

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X75-5216-EXT.dgn