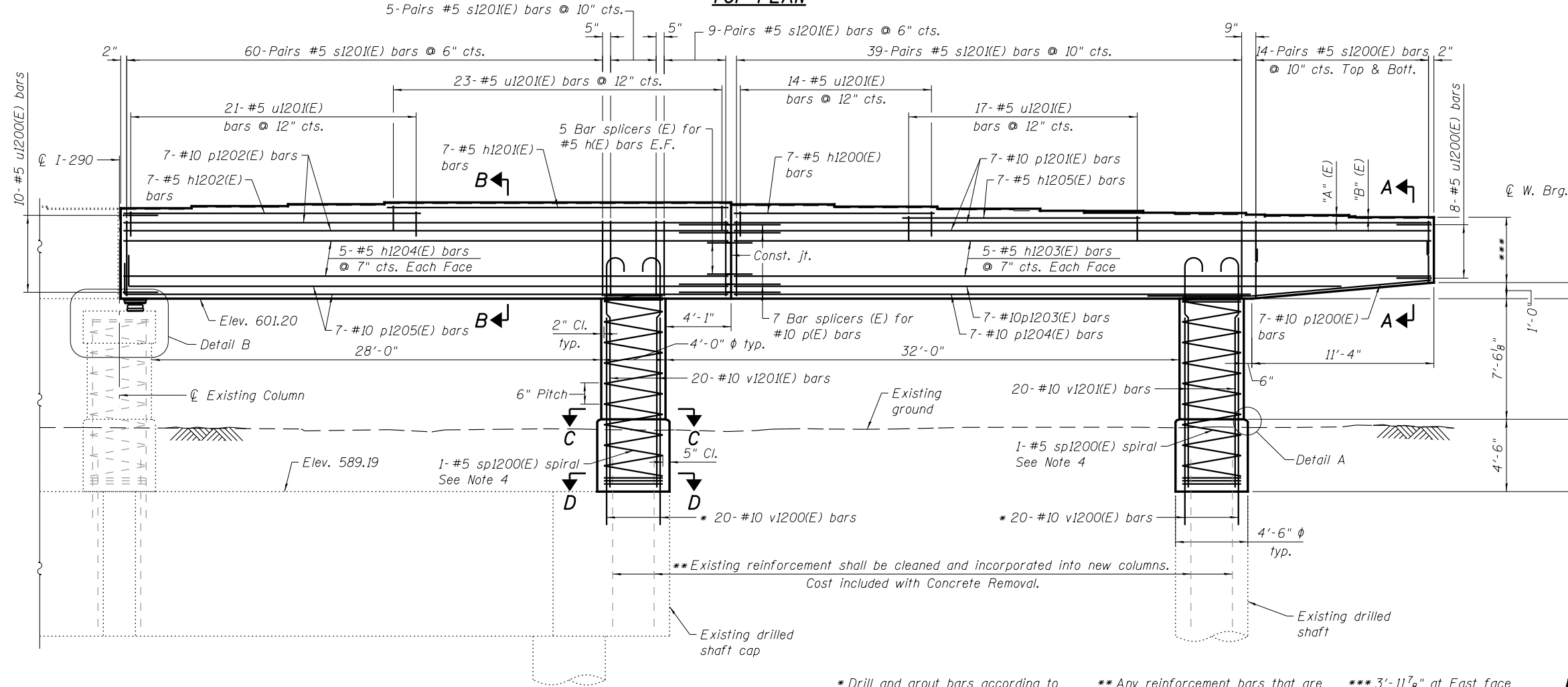


TOP PLAN



ELEVATION
(Looking East)

* 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

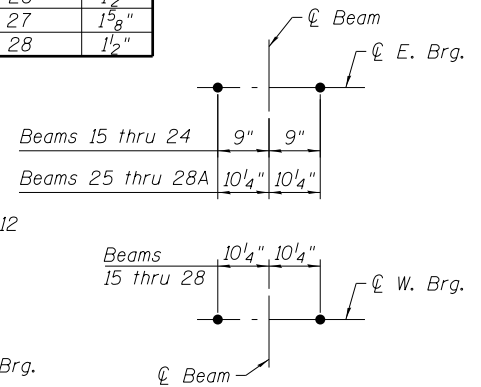
END VIEW

BEARING SEAT
STEP HEIGHTS

E. Seat Step	"A"
15 to 16	1 3/8"
16 to 17	1 1/2"
17 to 18/19/20/21	1 1/4"
21 to 22	1 3/8"
22 to 23	1 5/8"
23 to 24	1 1/2"
24 to 25	3/4"
25 to 26	1 3/8"
26 to 27	1 3/8"
27 to 28	1 1/4"
28 to 28A	1 3/8"
W. Seat Step	"B"
15 to 16	1 3/8"
16 to 17	1 1/2"
17 to 18/19/20/21	1 1/4"
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 OF SEAT
ELEVATION

Beam No.	E. Seat Elevation	W. Seat Elevation
15	606.75	606.82
16	606.87	606.94
17	607.00	607.07
18	607.10	607.17
19	607.10	607.17
20	607.10	607.17
21	607.10	607.17
22	606.98	607.05
23	606.84	606.92
24	606.71	606.78
25	606.66	606.65
26	606.54	606.52
27	606.42	606.38
28	606.31	606.25
28A	606.19	



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,
 - 1) Provide 1 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.
 - 2) When splicing spiral reinforcement is necessary, the spiral shall be provided with 1 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.

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PARSONS
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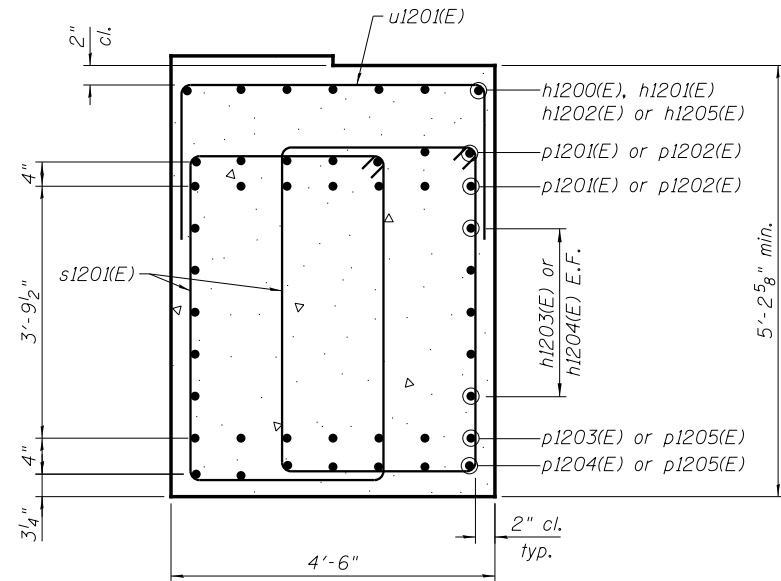
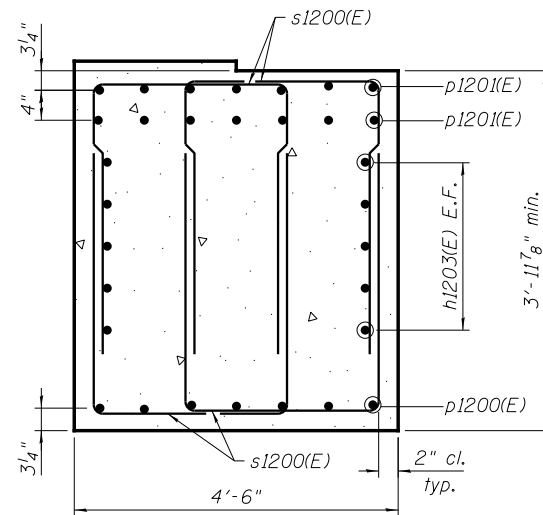
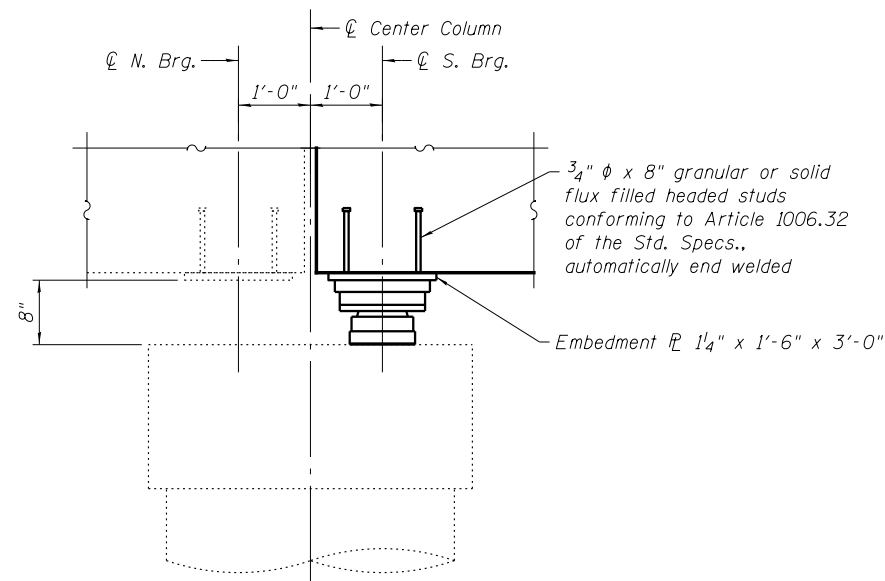
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER C12
STRUCTURE NO. 016-0461

SHEET NO. S2-109 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

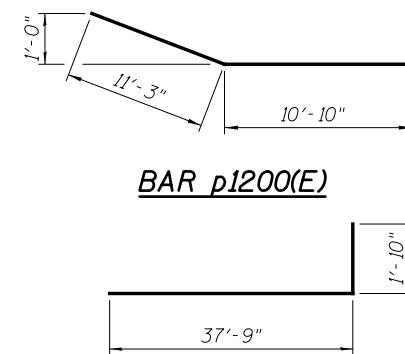
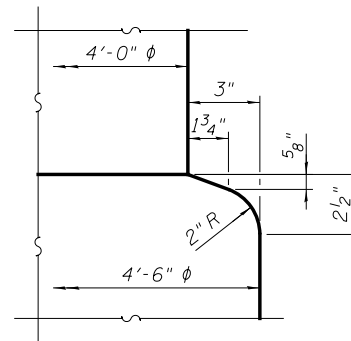
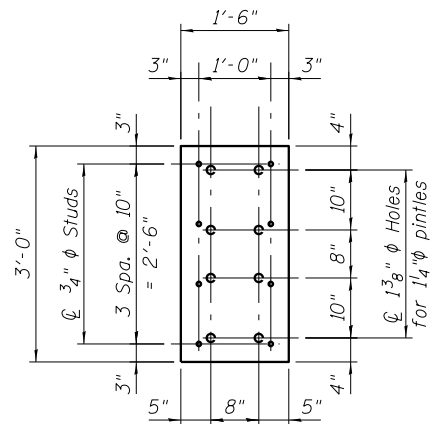
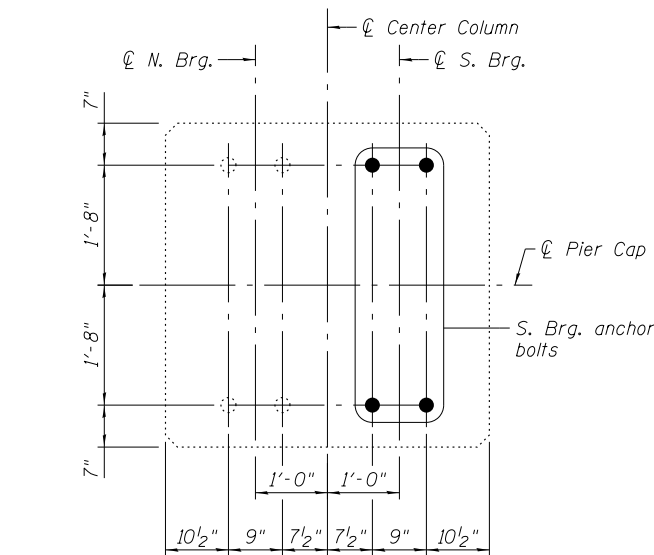


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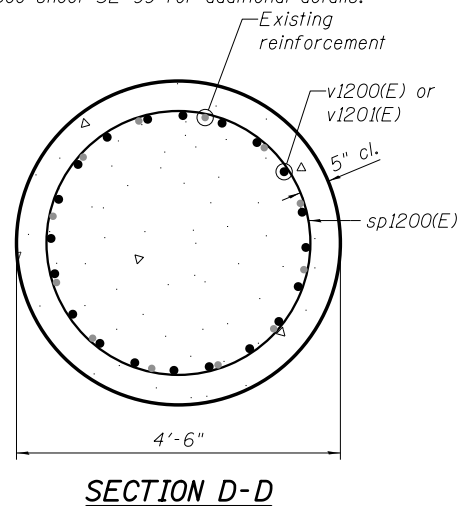
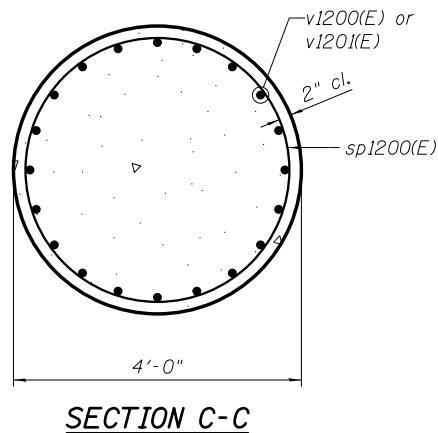
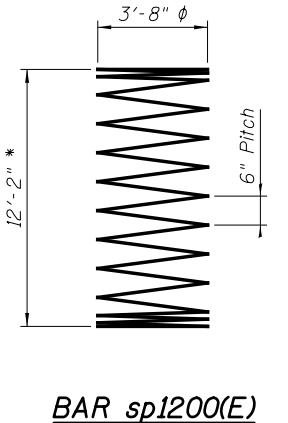
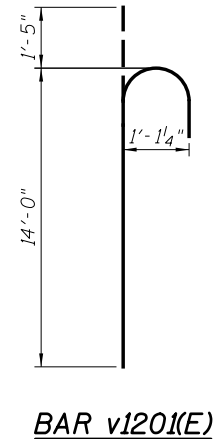
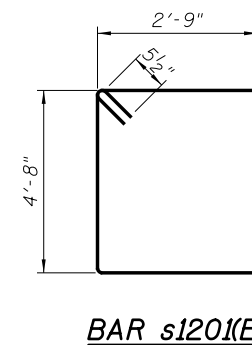
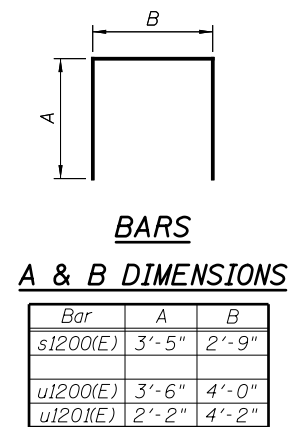
Bar	No.	Size	Length	Shape
h1200(E)	7	#5	12'-6"	
h1201(E)	7	#5	21'-3"	
h1202(E)	7	#5	20'-0"	
h1203(E)	10	#5	43'-5"	
h1204(E)	10	#5	37'-8"	
h1205(E)	7	#5	16'-8"	
p1200(E)	7	#10	22'-1"	
p1201(E)	14	#10	43'-5"	
p1202(E)	14	#10	37'-9"	
p1203(E)	7	#10	38'-0"	
p1204(E)	7	#10	32'-6"	
p1205(E)	14	#10	39'-7"	
s1200(E)	56	#5	9'-7"	
s1201(E)	226	#5	15'-9"	
sp1200(E)	2	#5	12'-2"	
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

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



BAR p1205(E)



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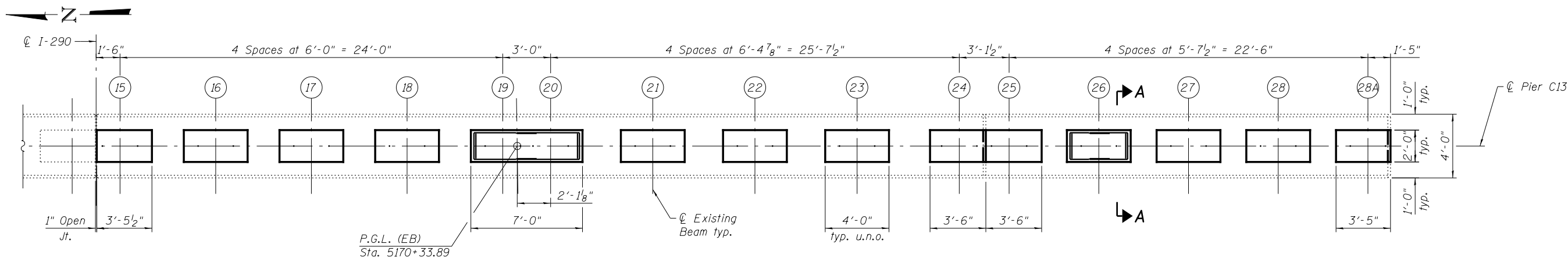
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

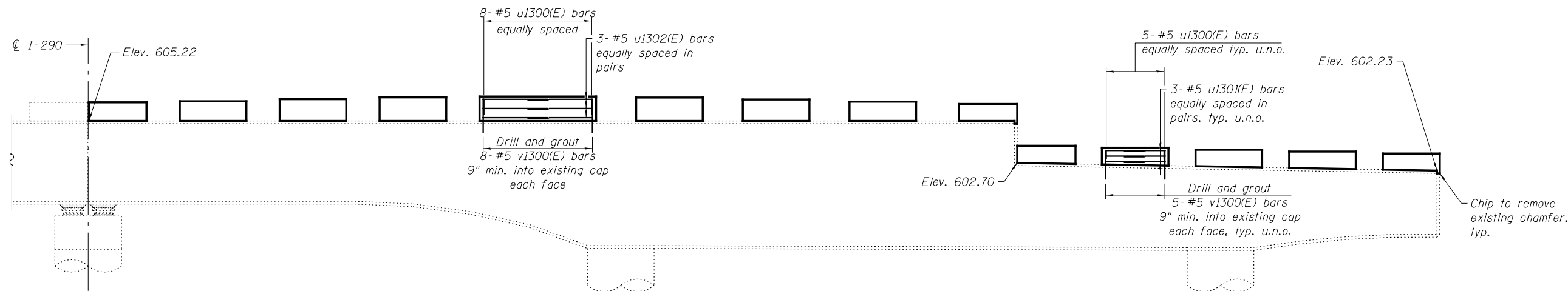
PIER C12 DETAILS
STRUCTURE NO. 016-0461

SHEET NO. S2-110 OF S2-137 SHEETS

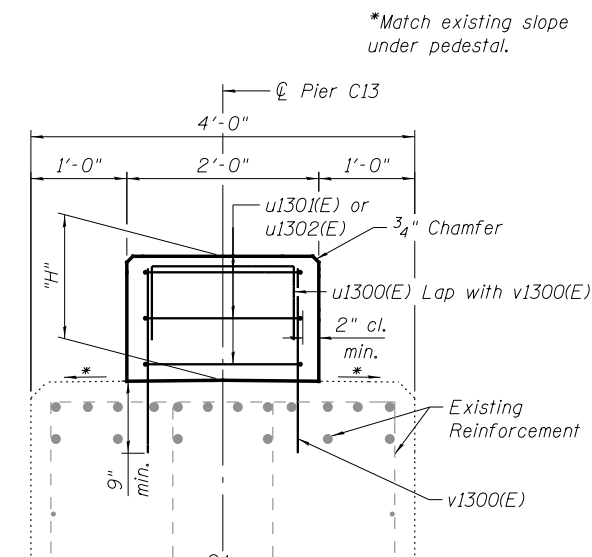
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90/94/290	2014-001 R&B (EB)	COOK	696	402
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



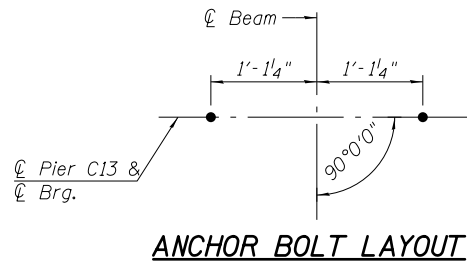
PLAN



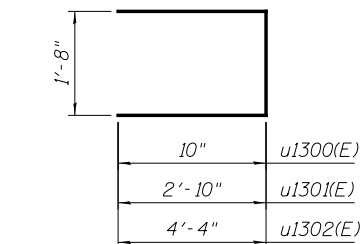
ELEVATION
(Looking East)



SECTION A-A
(Anchor bolts not shown for clarity)



ANCHOR BOLT LAYOUT



BARS u1300(E) TO u1302(E)

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

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.

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PARSONS
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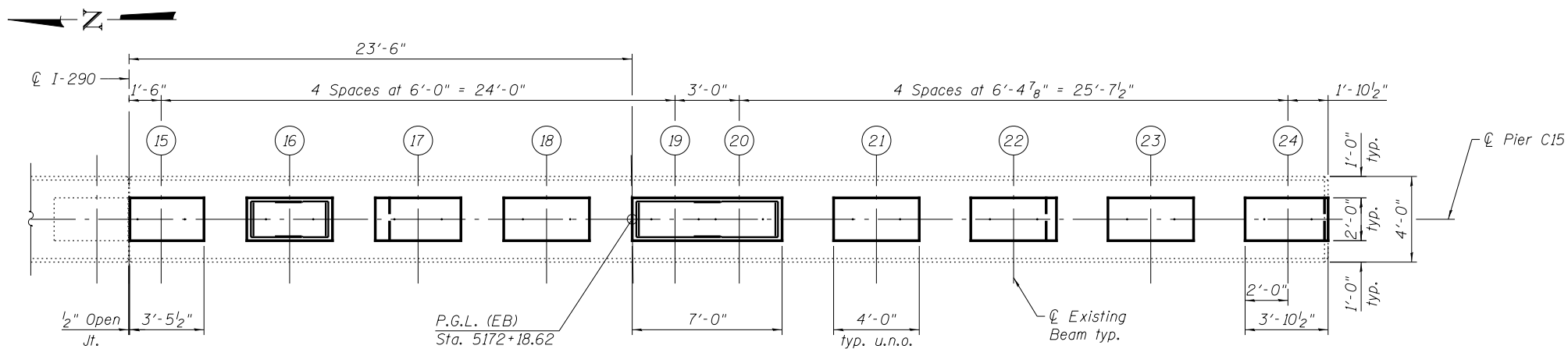
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

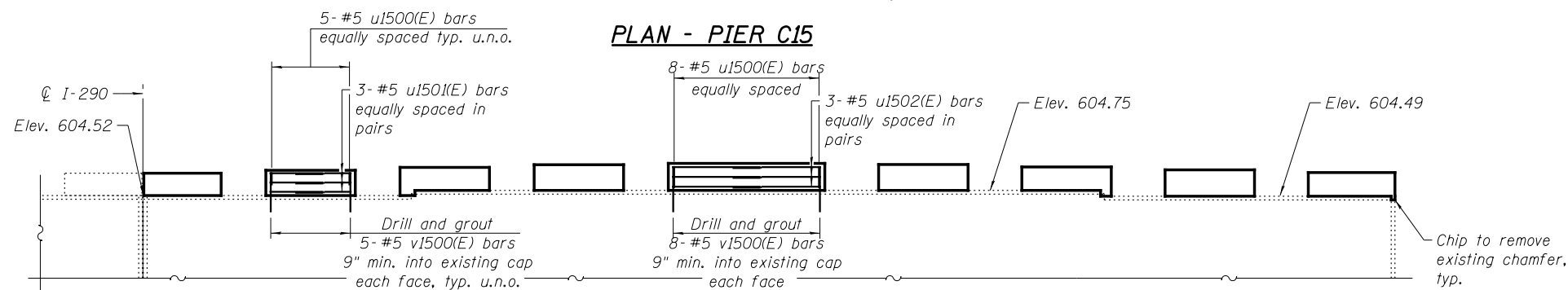
PIER C13 DETAILS
STRUCTURE NO. 016-0461

SHEET NO. S2-111 OF S2-137 SHEETS

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CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

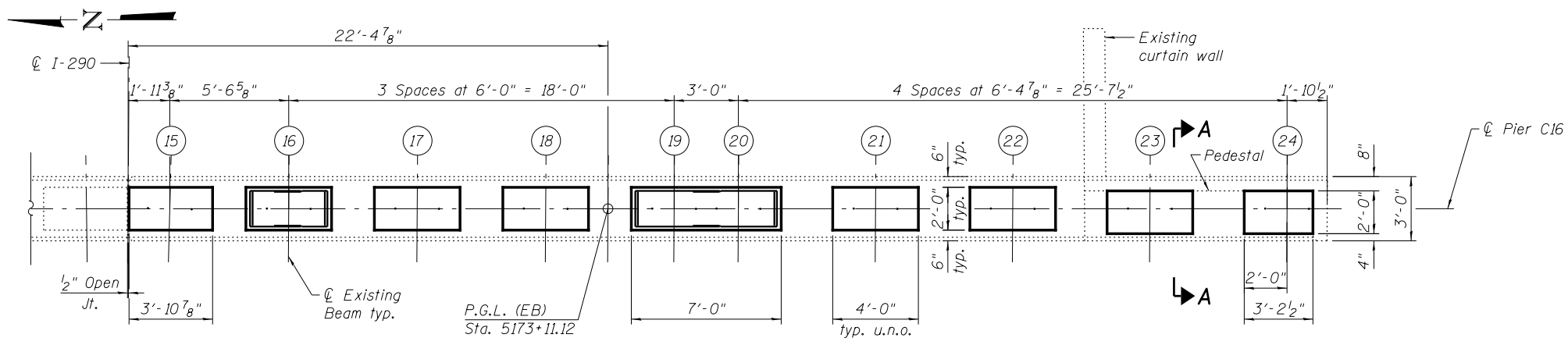


PLAN - PIER C15

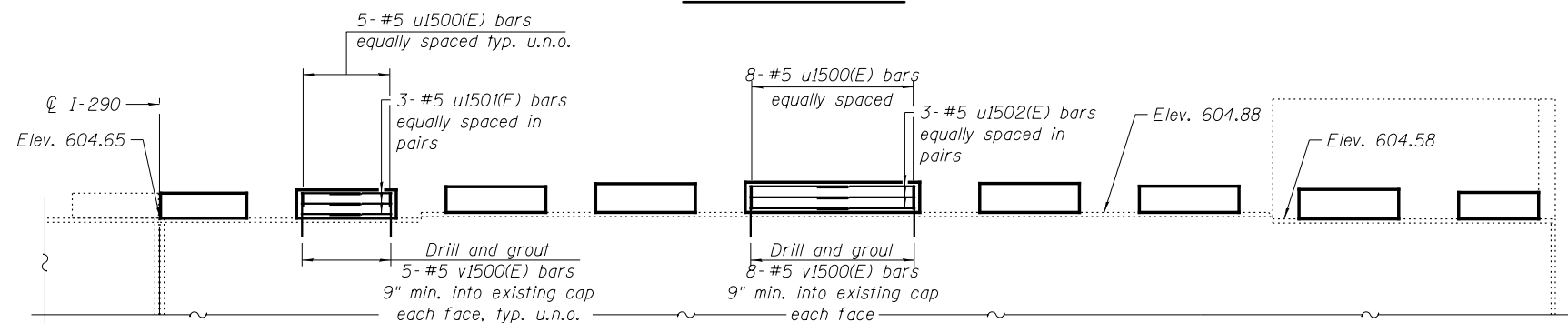


ELEVATION - PIER C15

(Looking East)

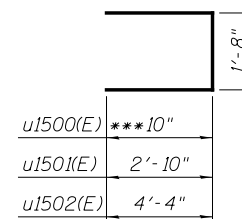


PLAN - PIER C16



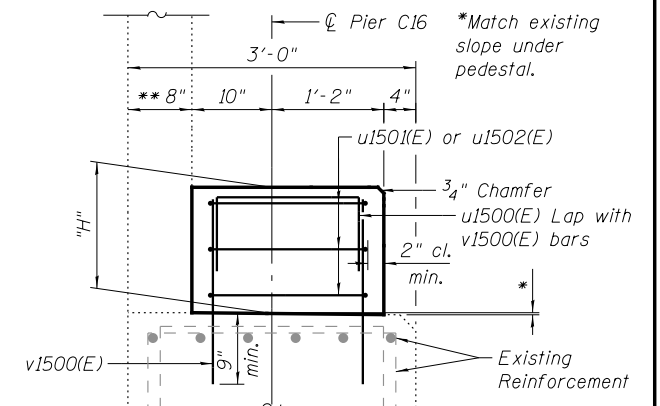
ELEVATION - PIER C16

(Looking East)



**BARS u1500(E)
THRU u1502(E)**

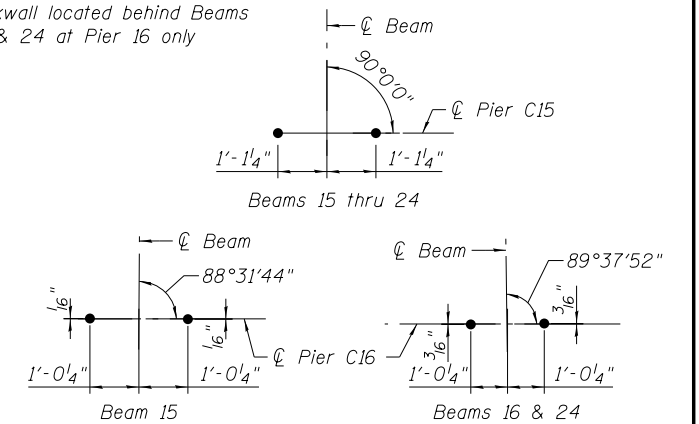
***Cut bar in field to fit.



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 9/8"
16	1'-1 7/8"	11 5/8"
17	1'-0 5/8"	10 9/8"
18	1'-1 7/8"	11 3/4"
19	1'-2 1/2"	1'-0 3/8"
20	1'-2 1/2"	1'-0 3/8"
21	1'-1 7/8"	11 5/8"
22	1'-0 3/8"	10 9/8"
23	1'-1 7/8"	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.

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**PARSONS
BRINCKERHOFF**

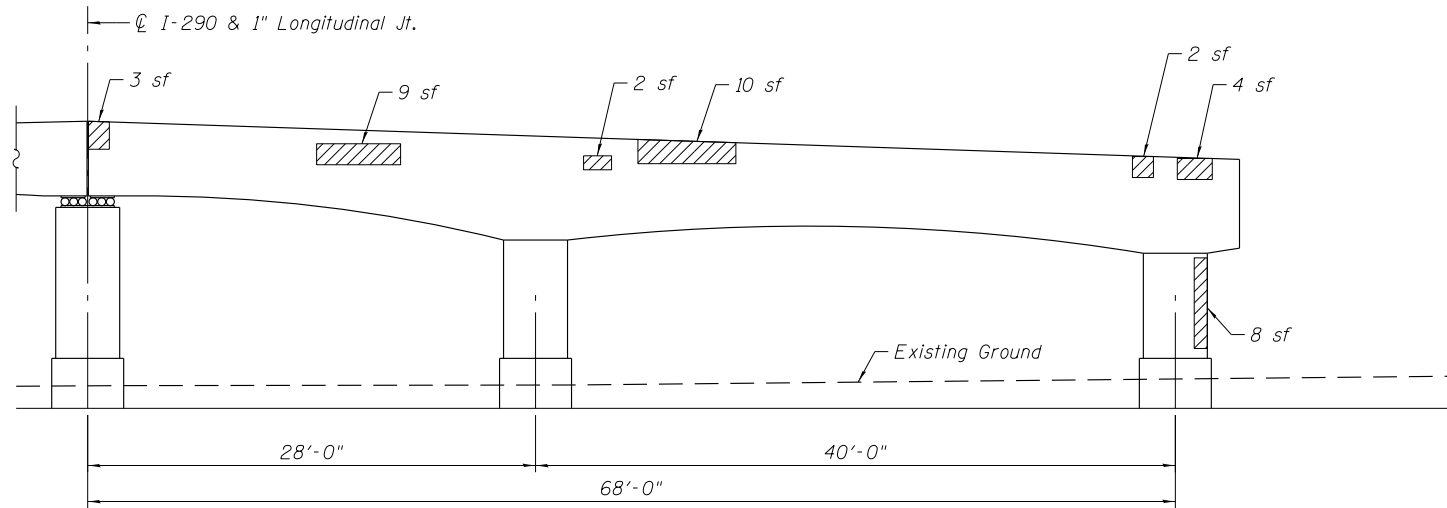
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

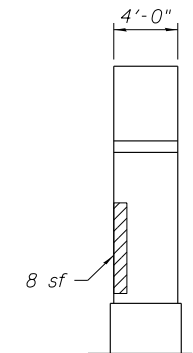
**PIERS C15 & C16 DETAILS
STRUCTURE NO. 016-0461**

SHEET NO. S2-112 OF S2-137 SHEETS

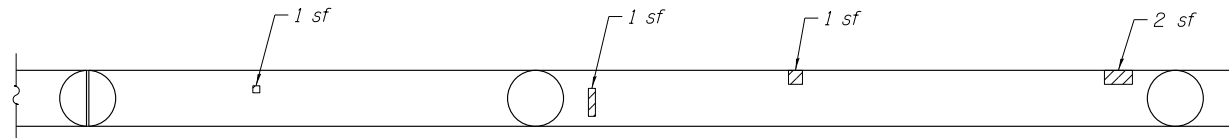
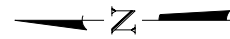
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90/94/290	2014-001 R&B (EB)	COOK	696	404
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



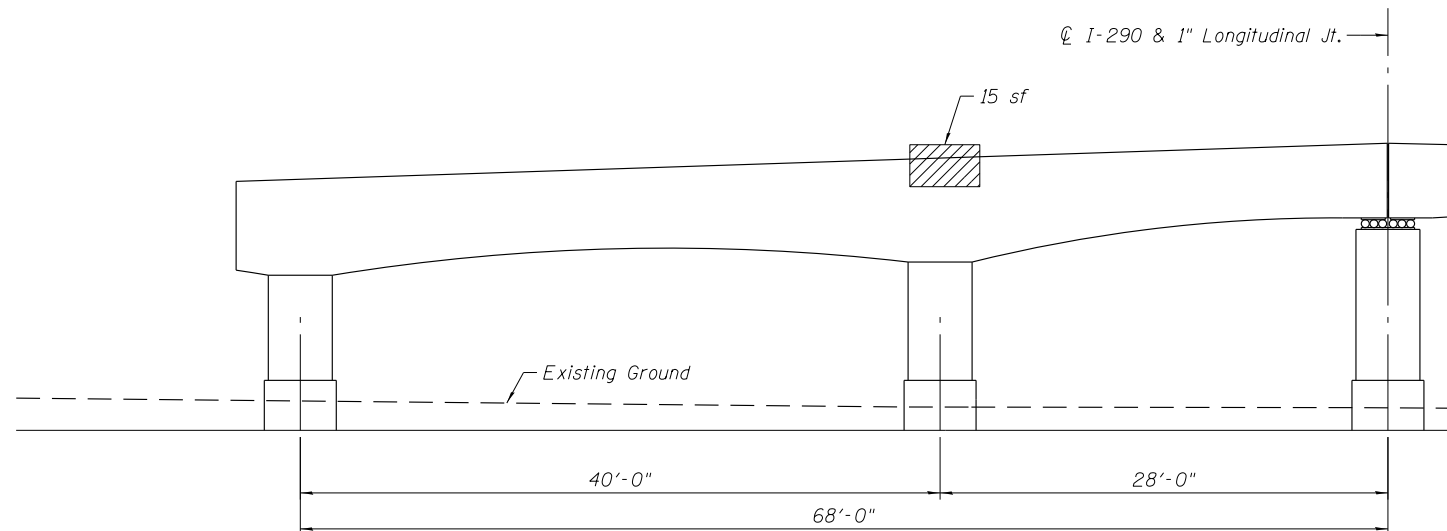
ELEVATION - PIER C2
(Looking East)



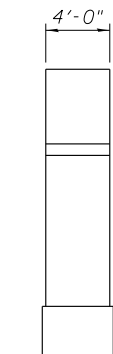
END VIEW



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

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**PARSONS
BRINCKERHOFF**

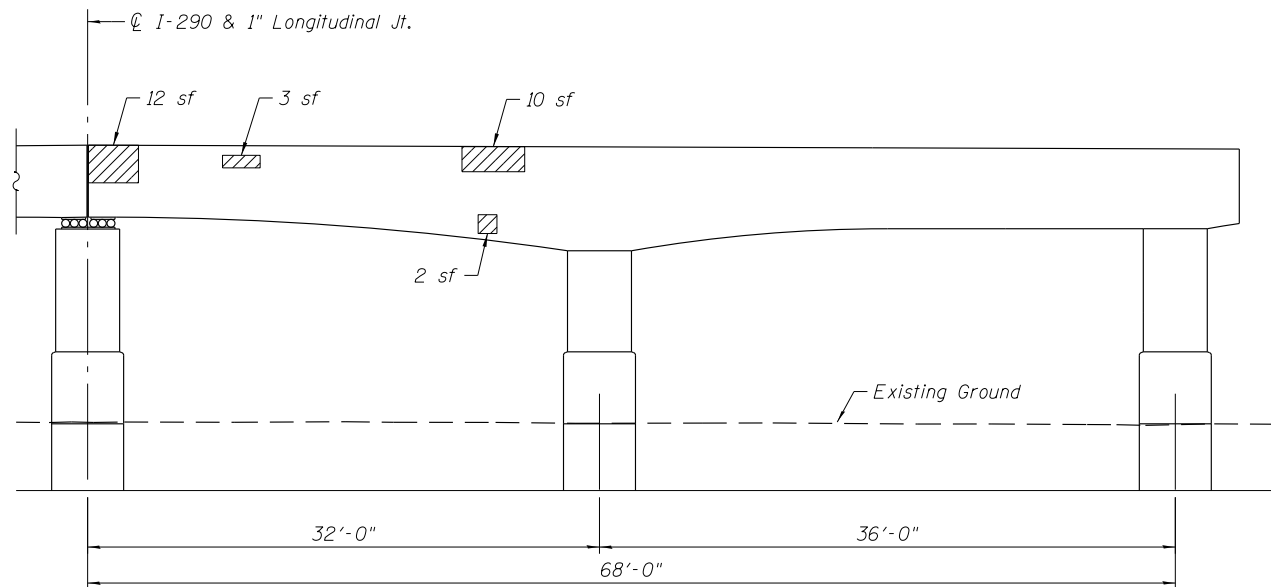
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**STATE OF ILLINOIS
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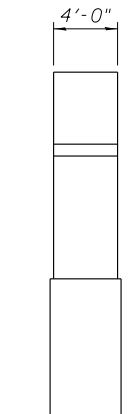
**PIER C2 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-113 OF S2-137 SHEETS

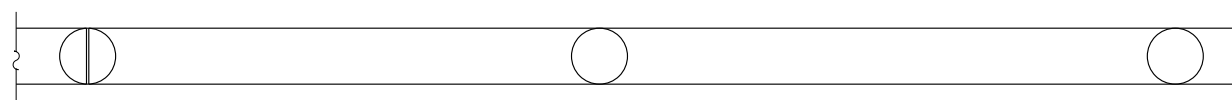
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CONTRACT NO. 60X75				
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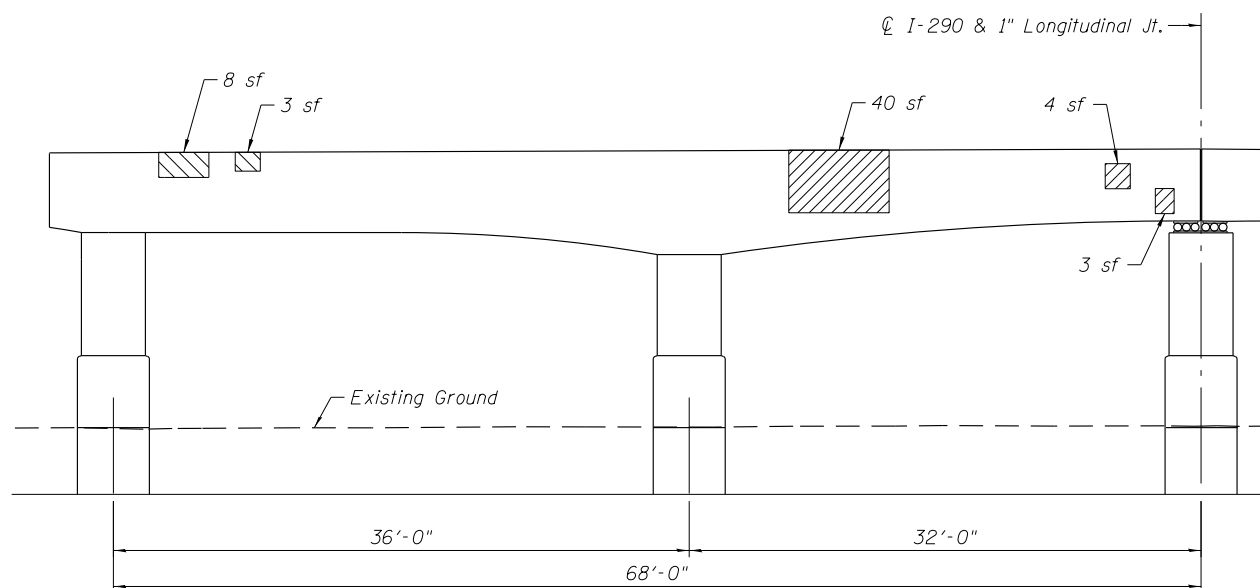
ELEVATION - PIER C3
(Looking East)



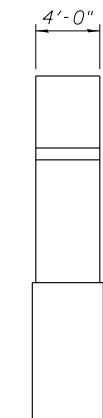
END VIEW



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

**PARSONS
BRINCKERHOFF**

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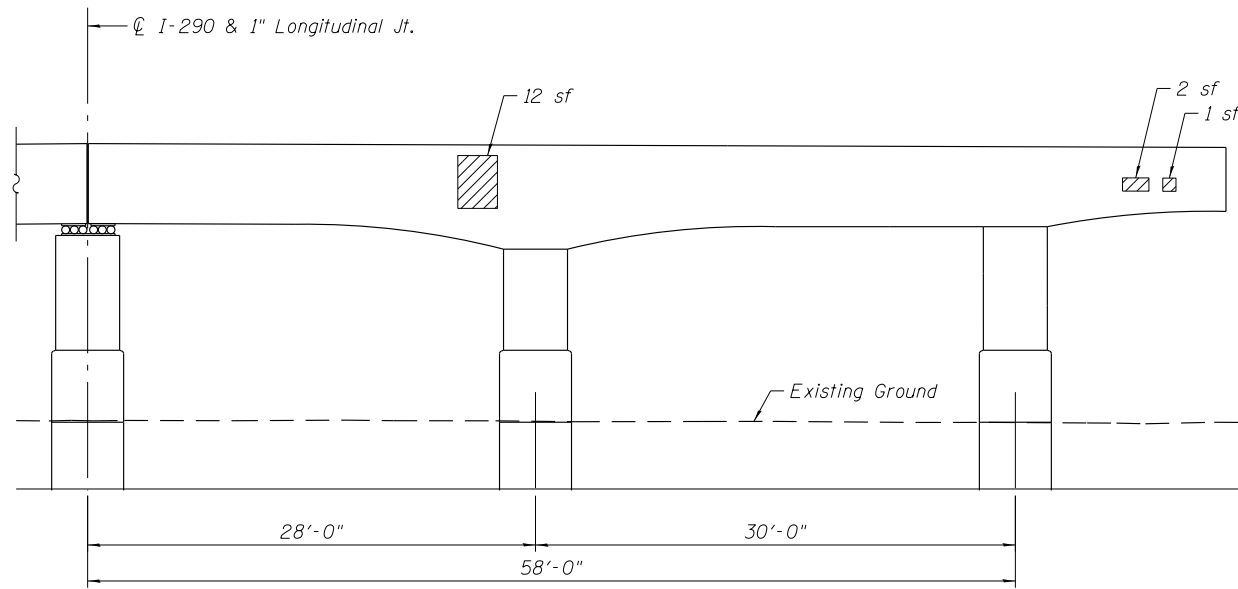
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

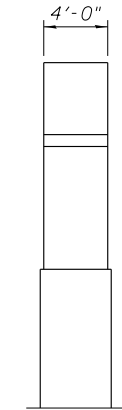
SHEET NO. S2-114 OF S2-137 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

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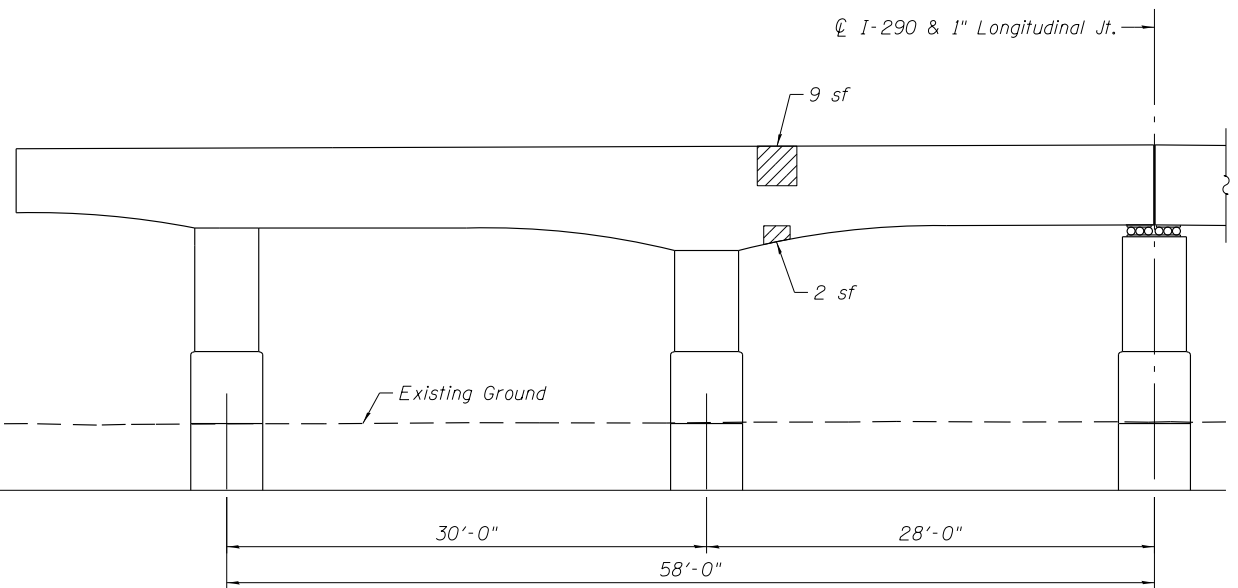
ELEVATION - PIER C5
(Looking East)



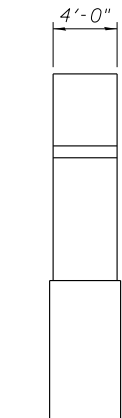
END VIEW



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

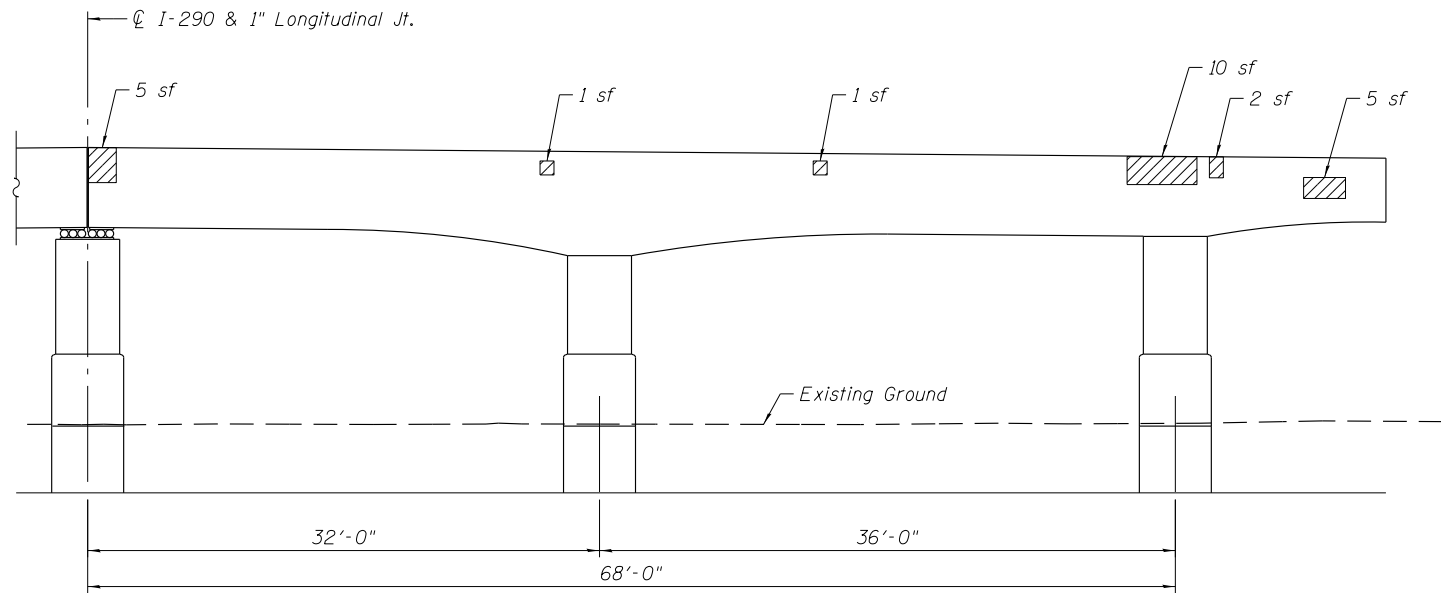
 Structural Repair of Concrete (Depth equal to or less than 5 Inches)

BILL OF MATERIAL

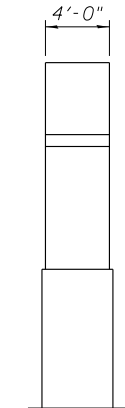
Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	27

0160461-60X75-S115-PRR.dgn

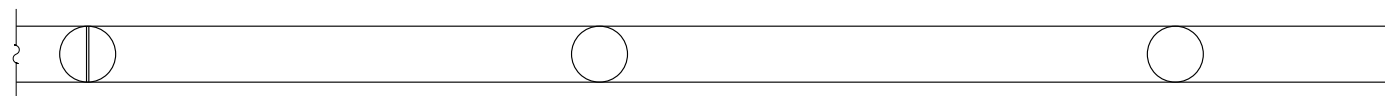
PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER C5 REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	407
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. S2-115 OF S2-137 SHEETS										



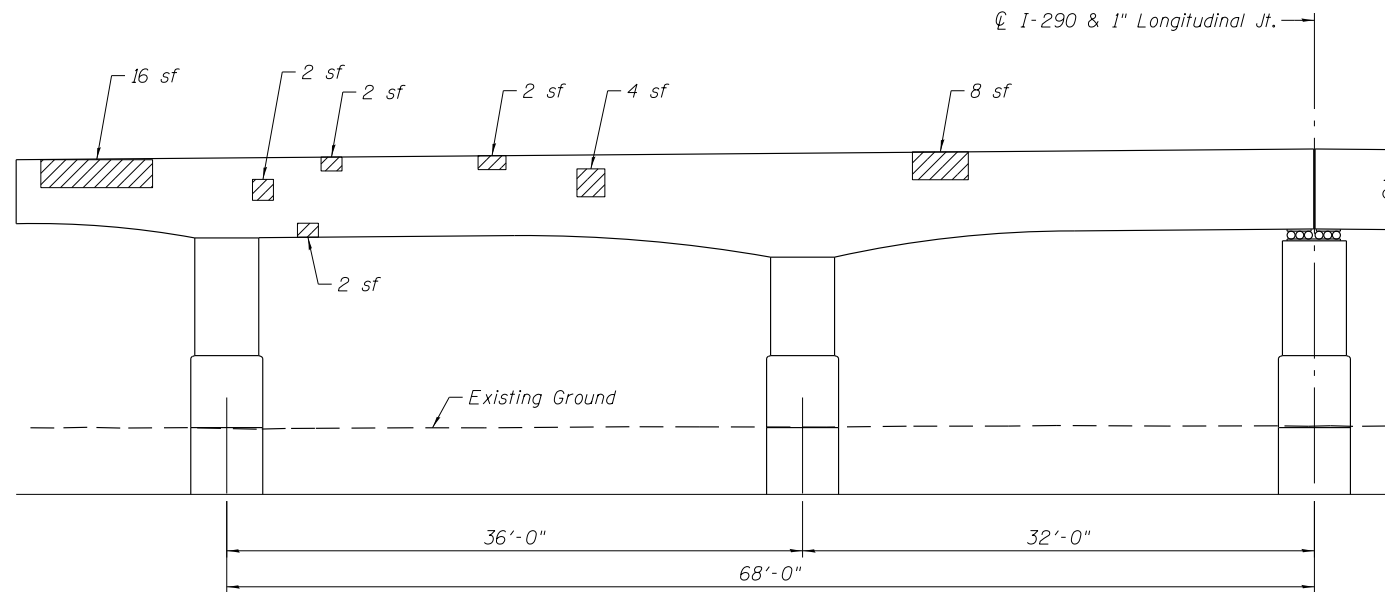
ELEVATION - PIER C6
(Looking East)



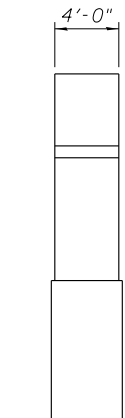
END VIEW



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

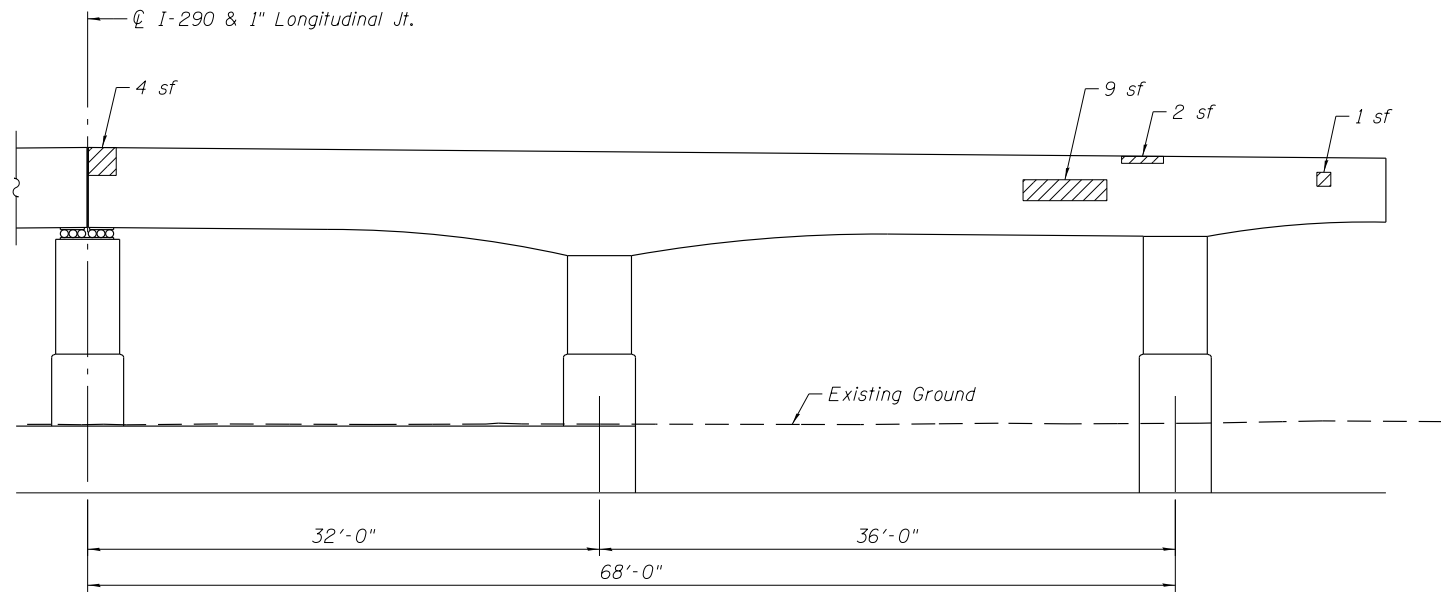
 Structural Repair of Concrete (Depth equal to or less than 5 Inches)

BILL OF MATERIAL

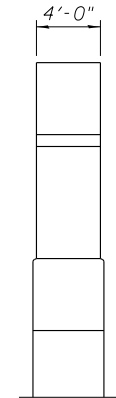
Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	60

0160461-60X75-5116-PRR.dgn

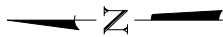
<div>0160461-60X75</div> <div>PARSONS BRINCKERHOFF</div>	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER C6 REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	408
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. S2-116 OF S2-137 SHEETS										



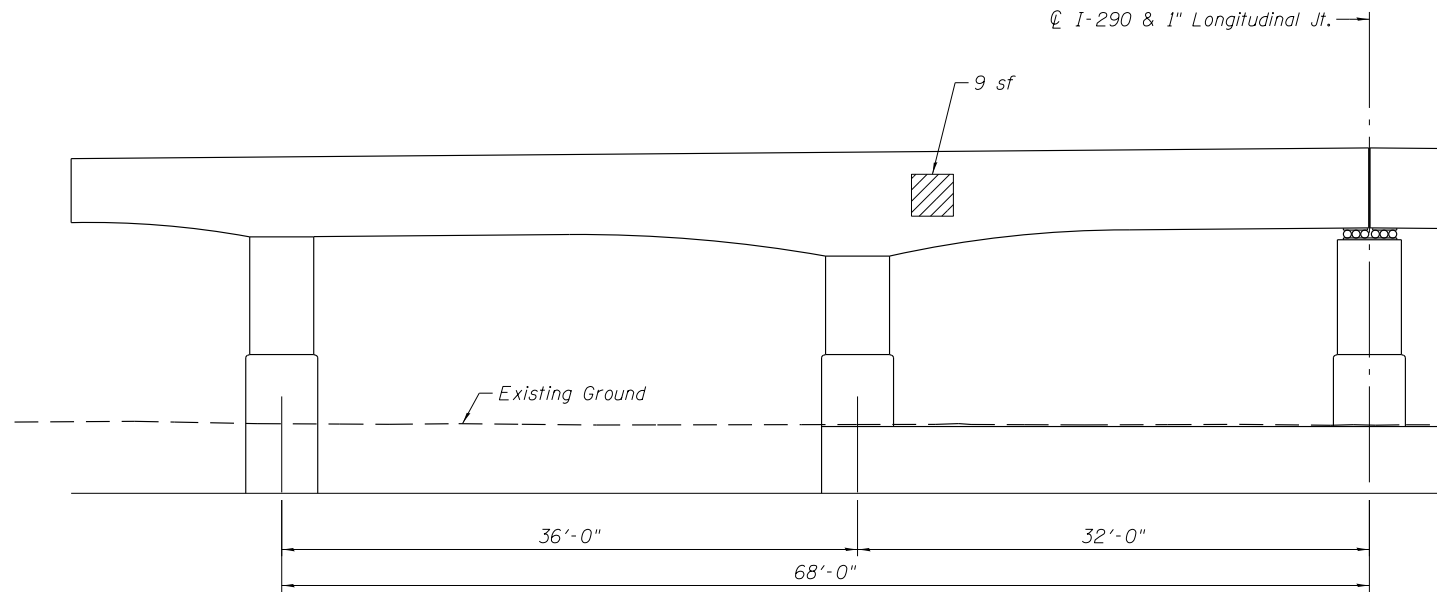
ELEVATION - PIER C7
(Looking East)



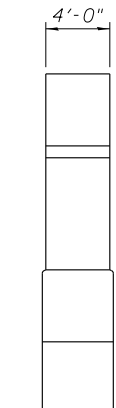
END VIEW



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-S117-PRR.dgn

**PARSONS
BRINCKERHOFF**

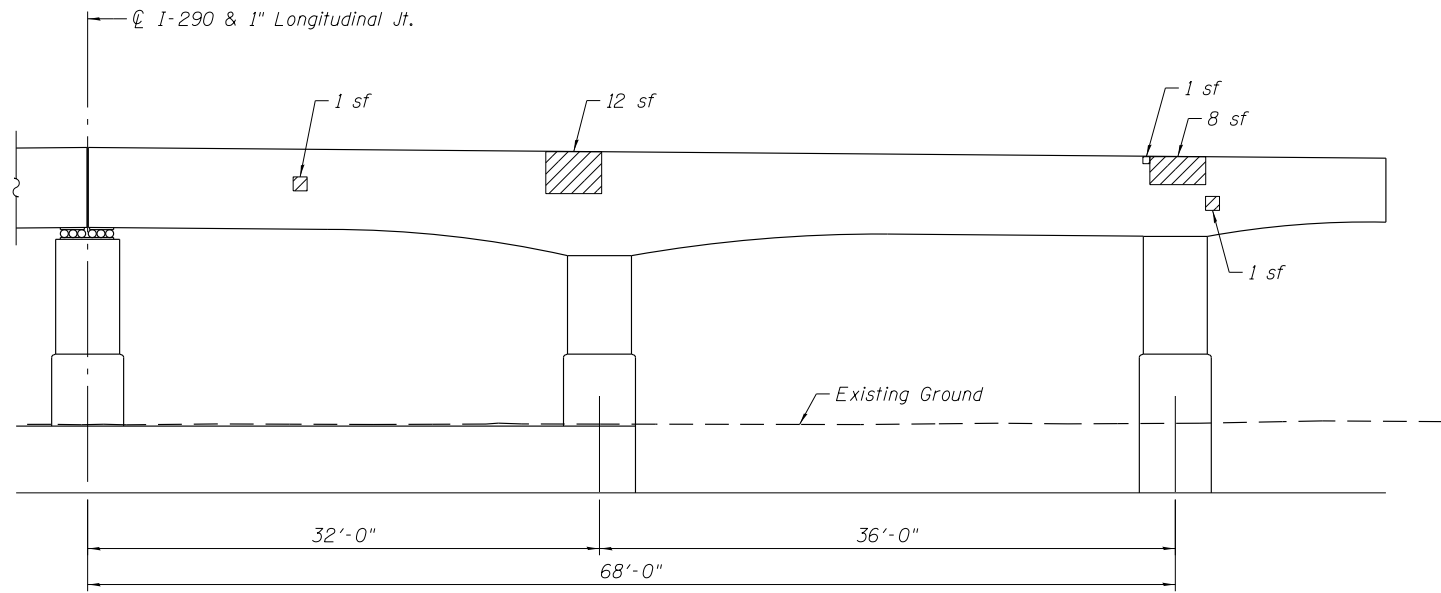
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

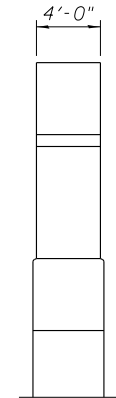
**PIER C7 REPAIR
STRUCTURE NO. 016-0461**

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				



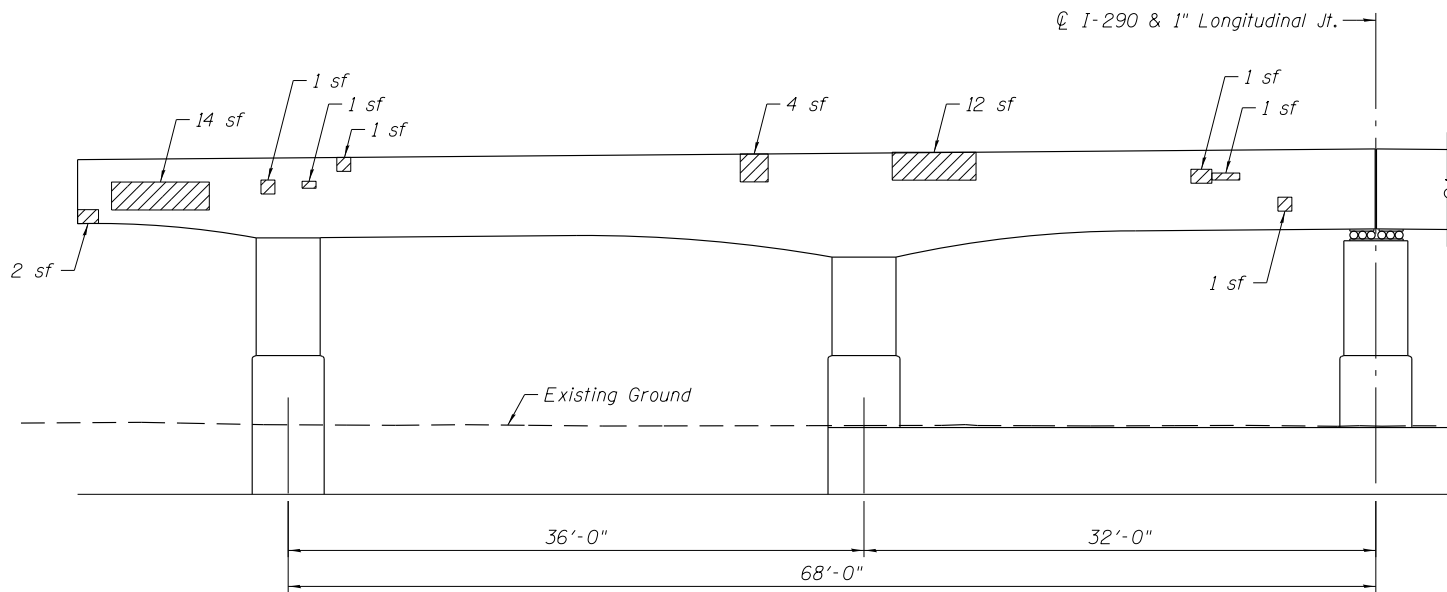
ELEVATION - PIER C8
(Looking East)



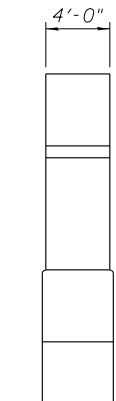
END VIEW



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**

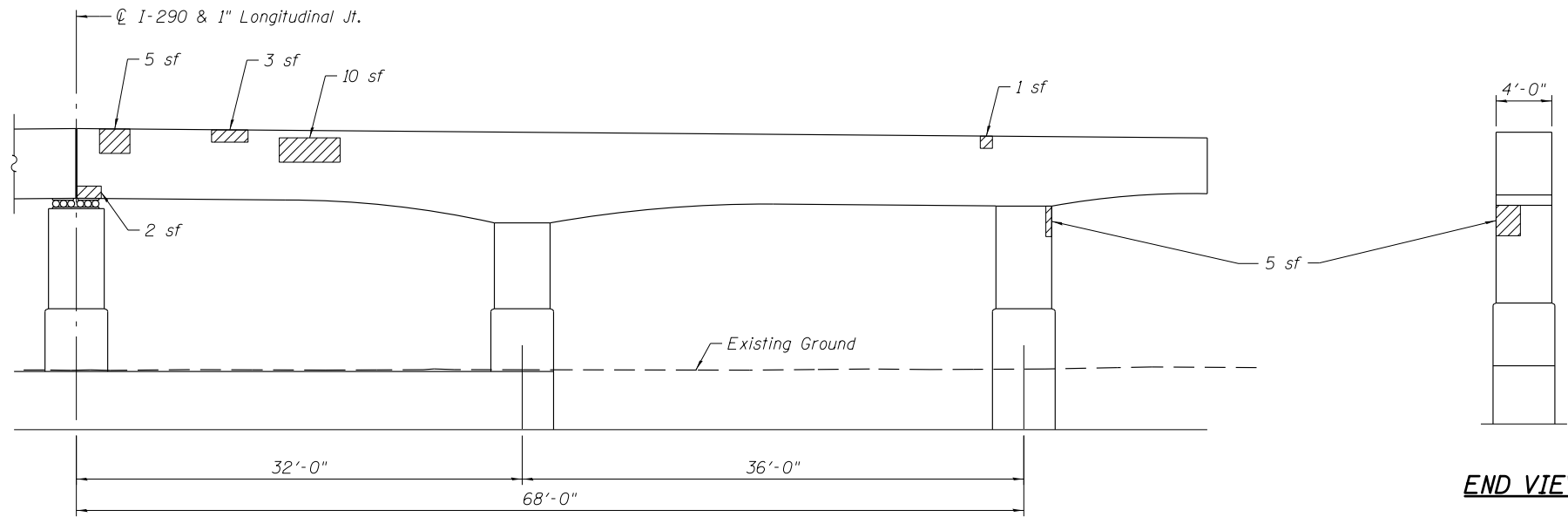
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

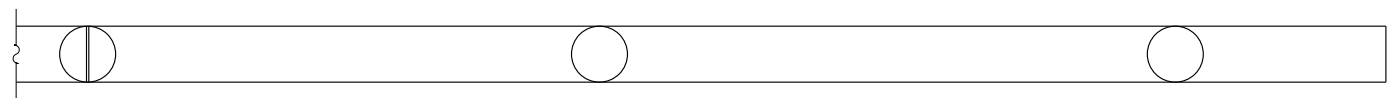
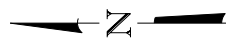
**PIER C8 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-118 OF S2-137 SHEETS

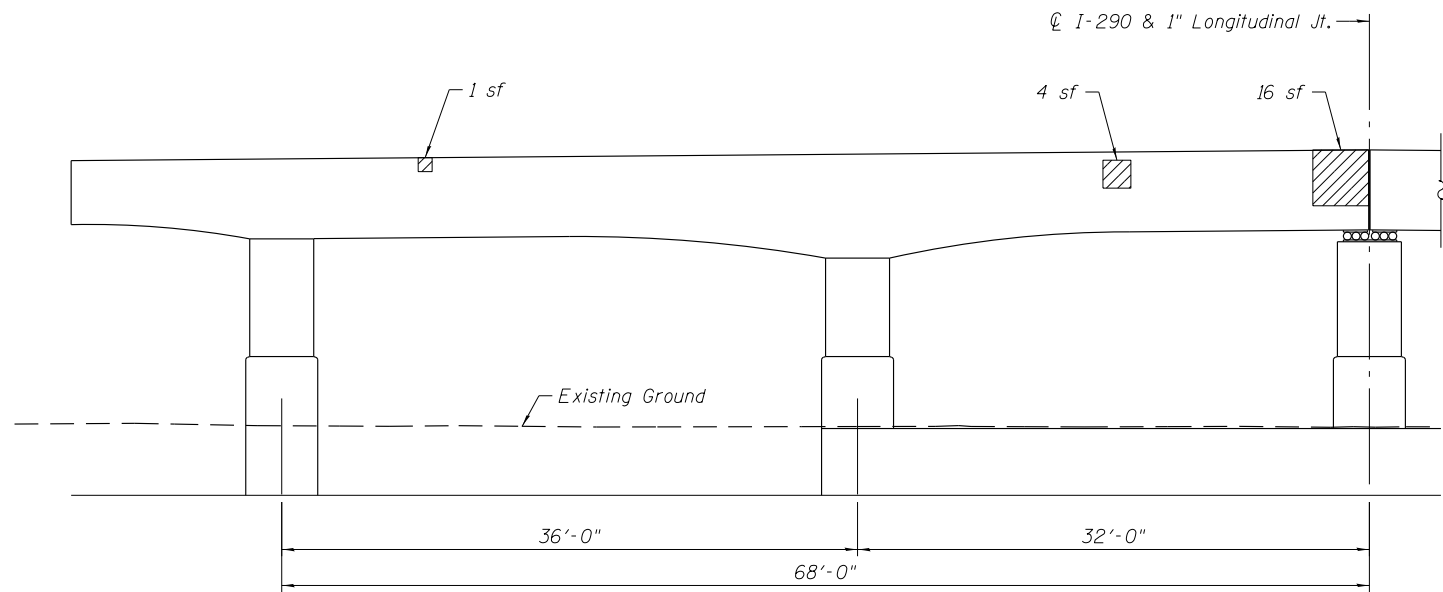
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	410
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



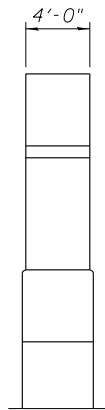
ELEVATION - PIER C10
(Looking East)



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**

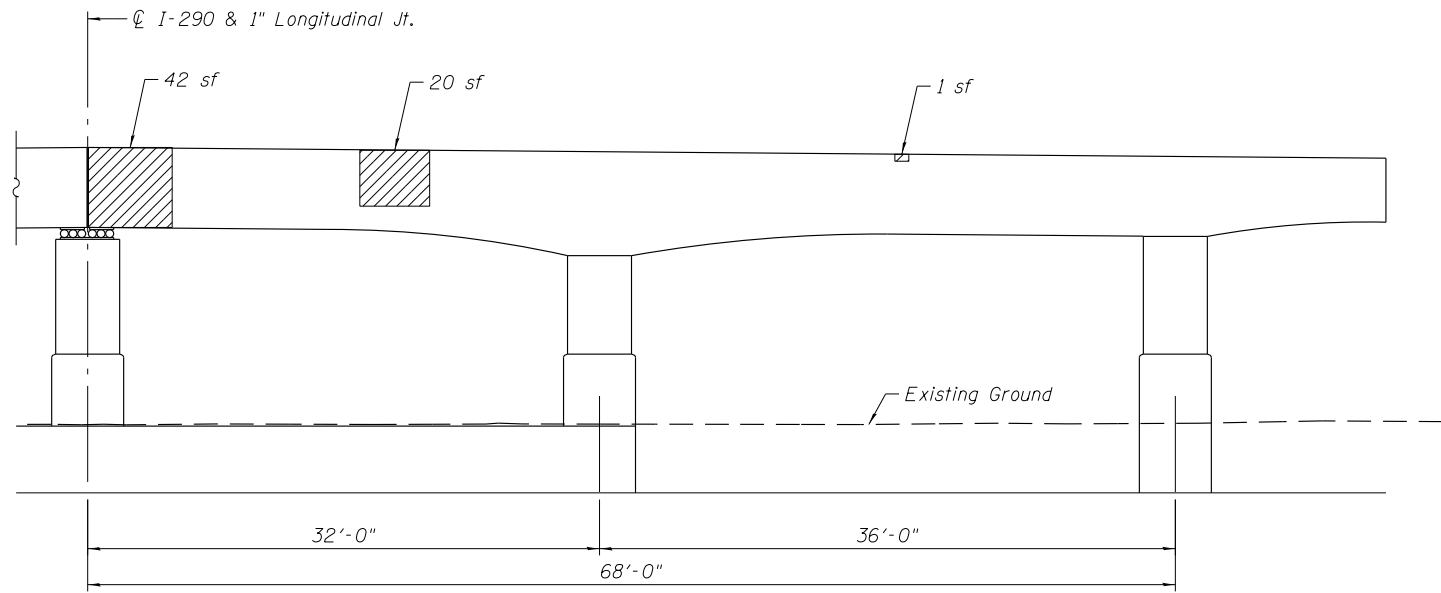
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

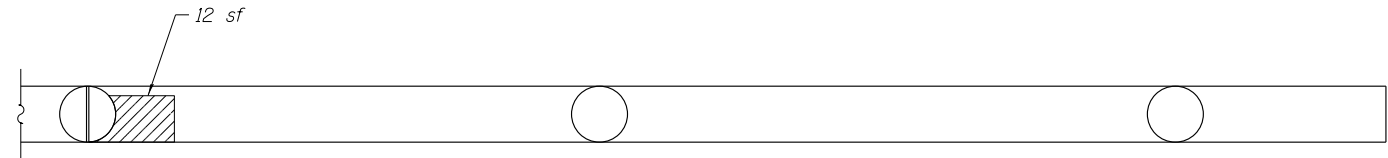
**PIER C10 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-119 OF S2-137 SHEETS

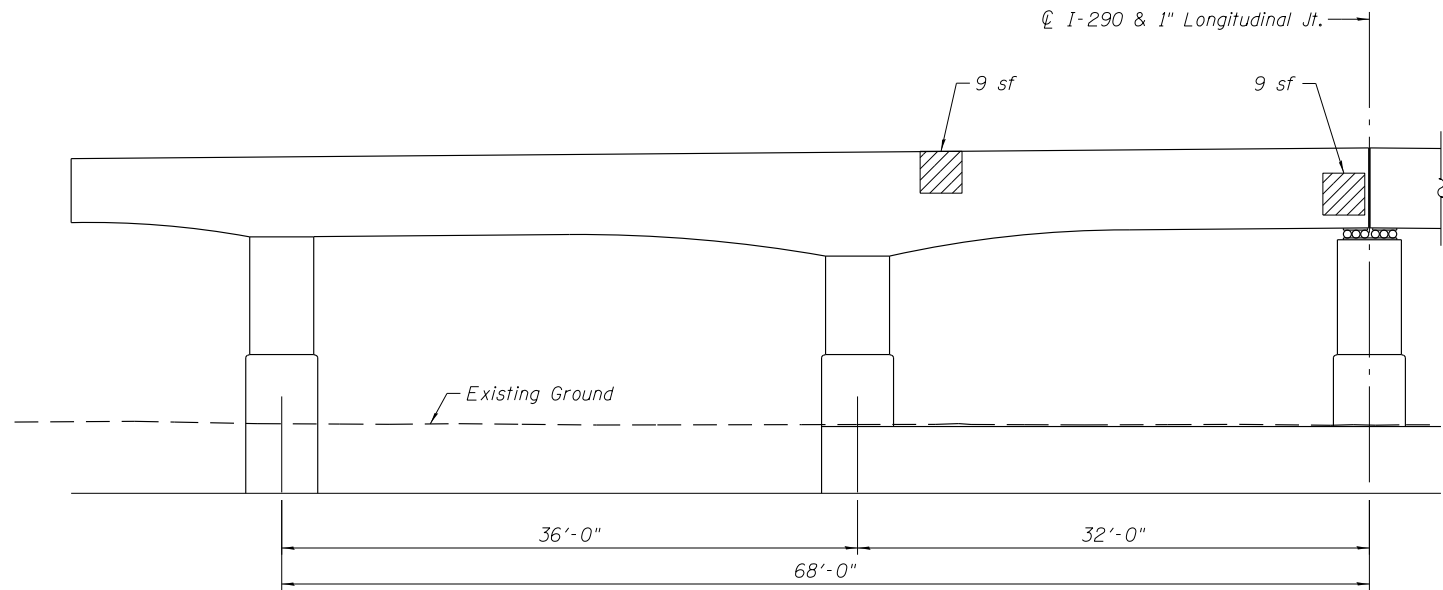
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	411
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



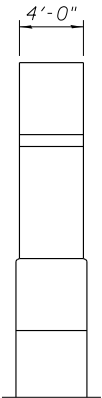
ELEVATION - PIER C11
(Looking East)



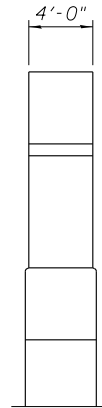
UNDERSIDE PLAN



ELEVATION - PIER C11
(Looking West)




END VIEW



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-S120-PRR.dgn

**PARSONS
BRINCKERHOFF**

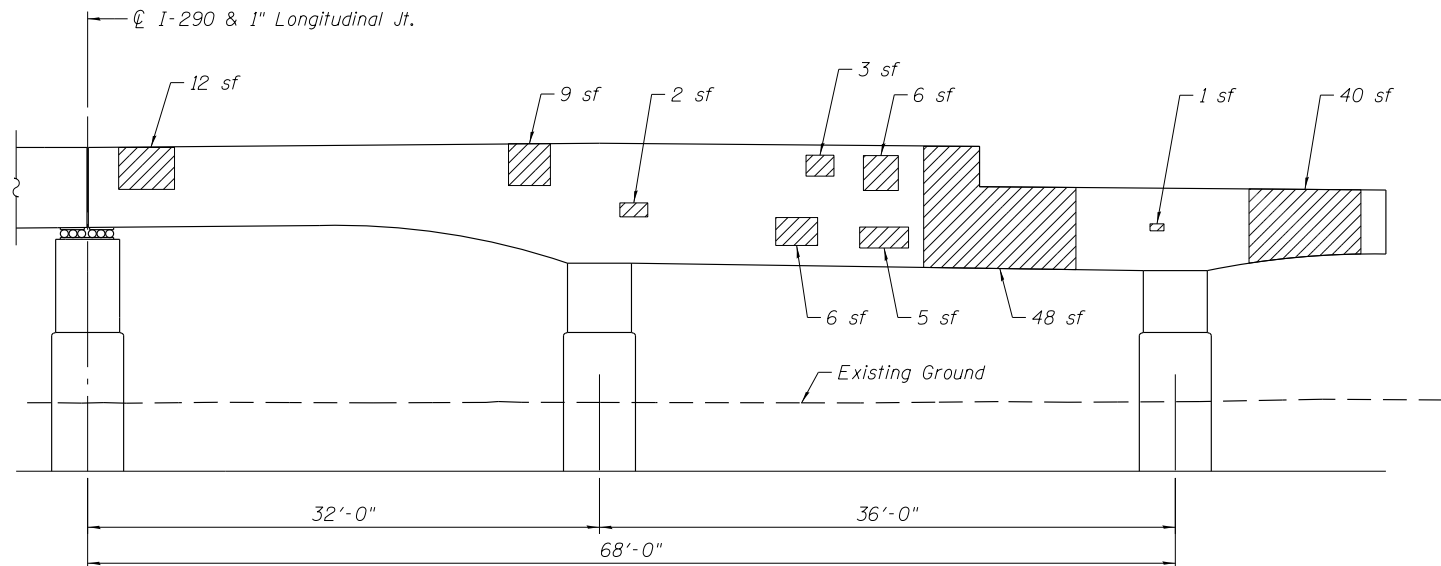
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

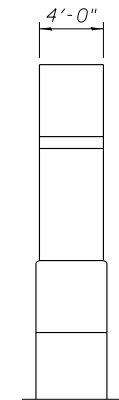
**PIER C11 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-120 OF S2-137 SHEETS

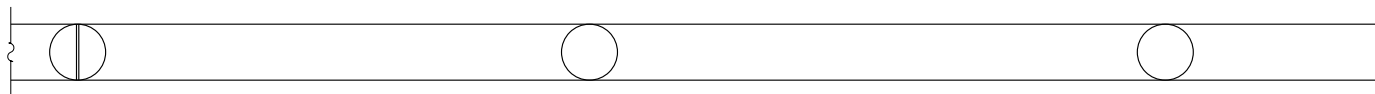
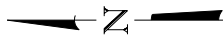
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	412
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



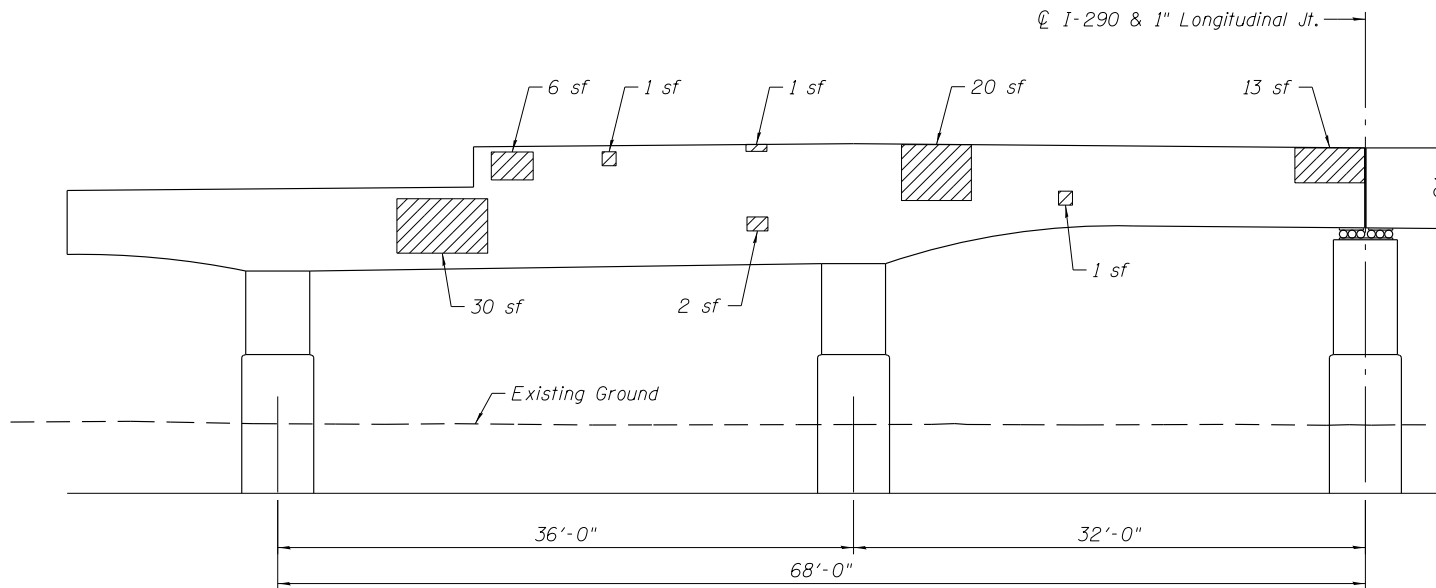
ELEVATION - PIER C13
(Looking East)



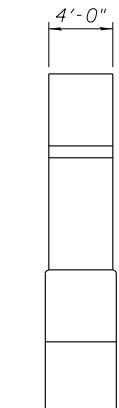
END VIEW



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**

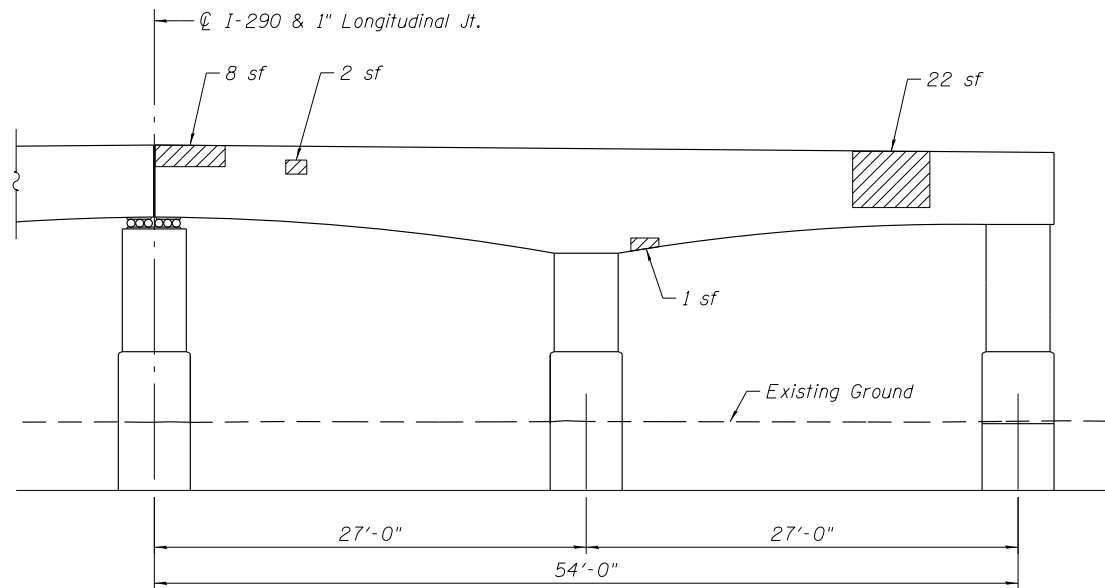
USER NAME = pateld	DESIGNED - HA	REVISED -
	CHECKED - PJL	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

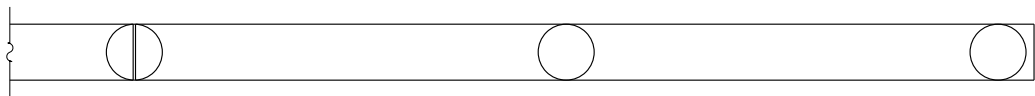
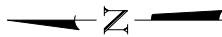
**PIER C13 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-121 OF S2-137 SHEETS

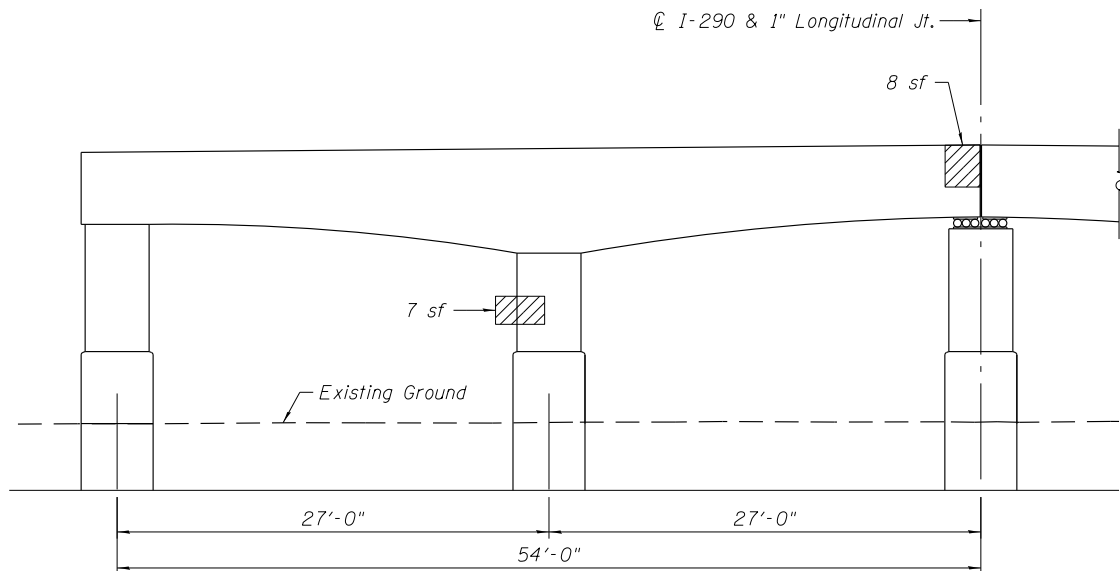
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	413
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				



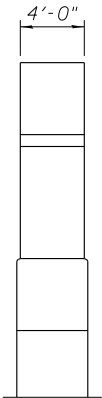
ELEVATION - PIER C14
(Looking East)



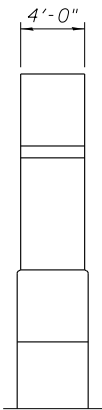
UNDERSIDE PLAN



ELEVATION - PIER C14
(Looking West)




END VIEW



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

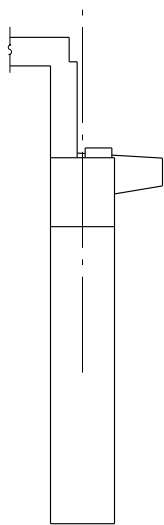
 Structural Repair of Concrete (Depth equal to or less than 5 Inches)

BILL OF MATERIAL

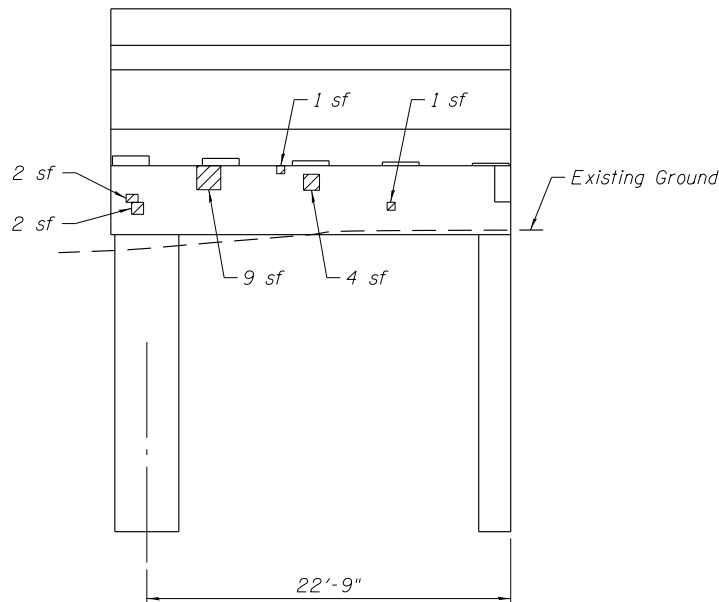
Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	48

0160461-60X75-S122-PRR.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER C14 REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	414
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. S2-122 OF S2-137 SHEETS										




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)

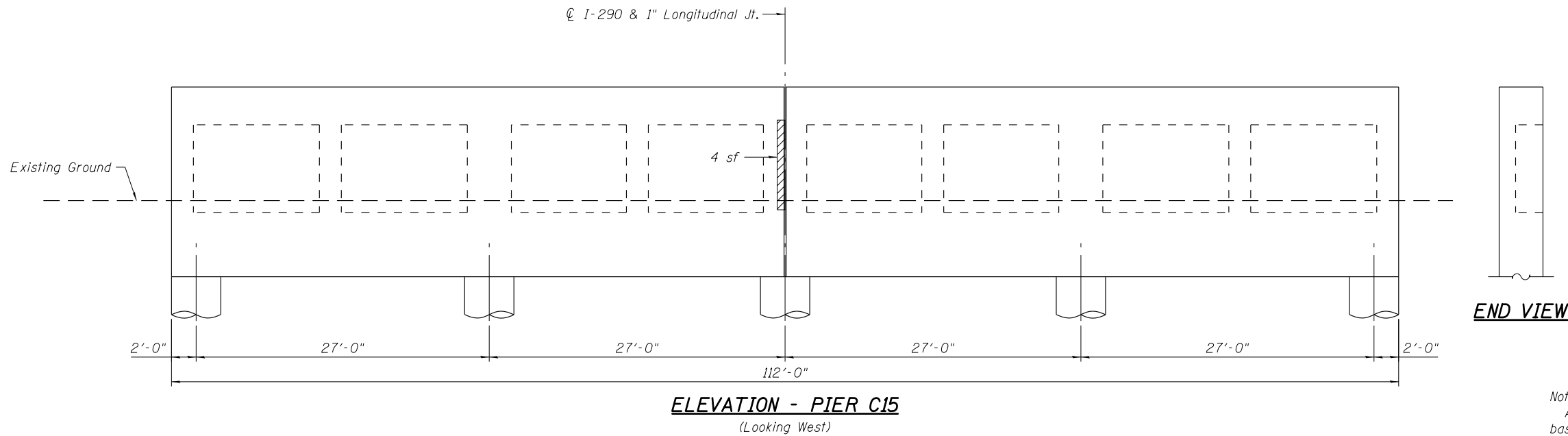
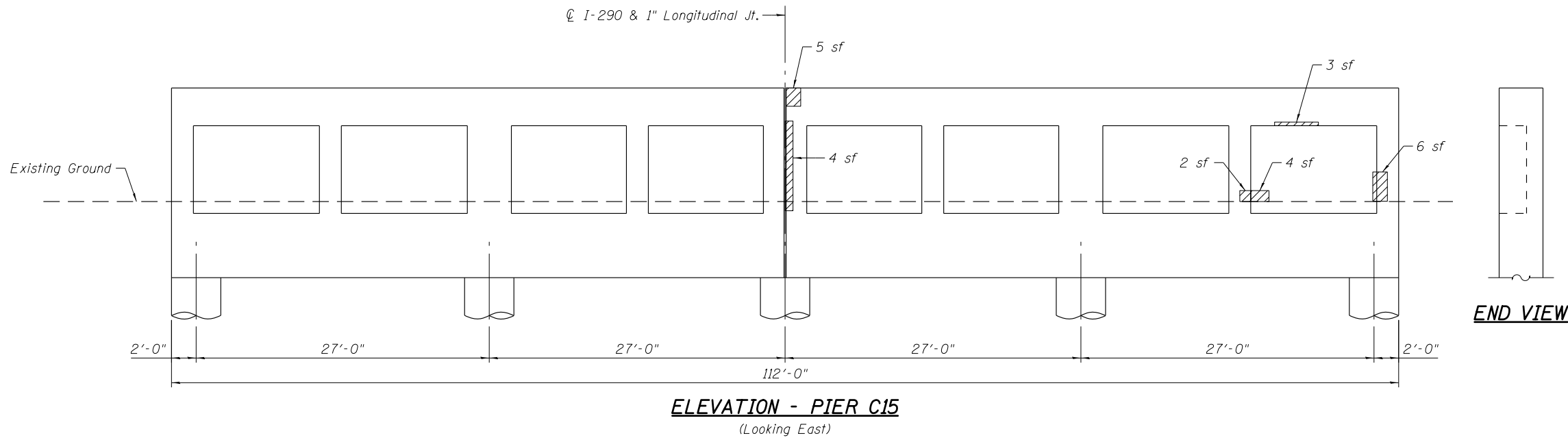
BILL OF MATERIAL

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

0160461-60X75-5123-PRR.dgn


0160461-60X75

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER 14S REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	415
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. S2-123 OF S2-137 SHEETS										



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

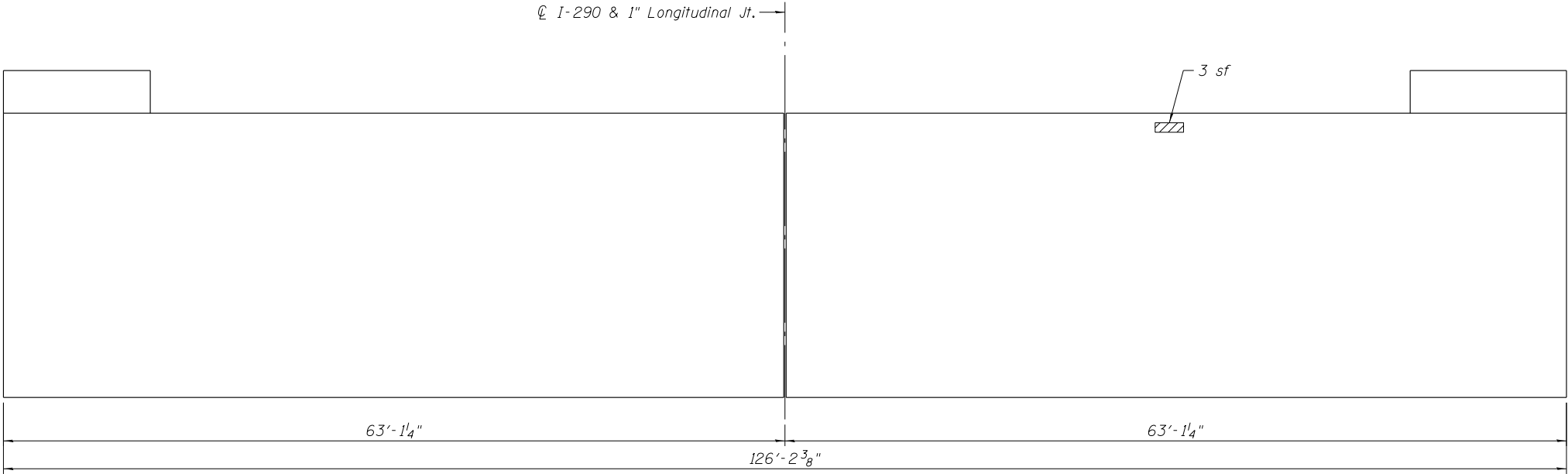
 Structural Repair of Concrete
(Depth equal to or less than 5 Inches)

BILL OF MATERIAL

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

0160461-60X75-S124-PRR.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER C15 REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	416
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75				
	PLOT DATE = 6/28/2017	CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT				
SHEET NO. S2-124 OF S2-137 SHEETS										




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

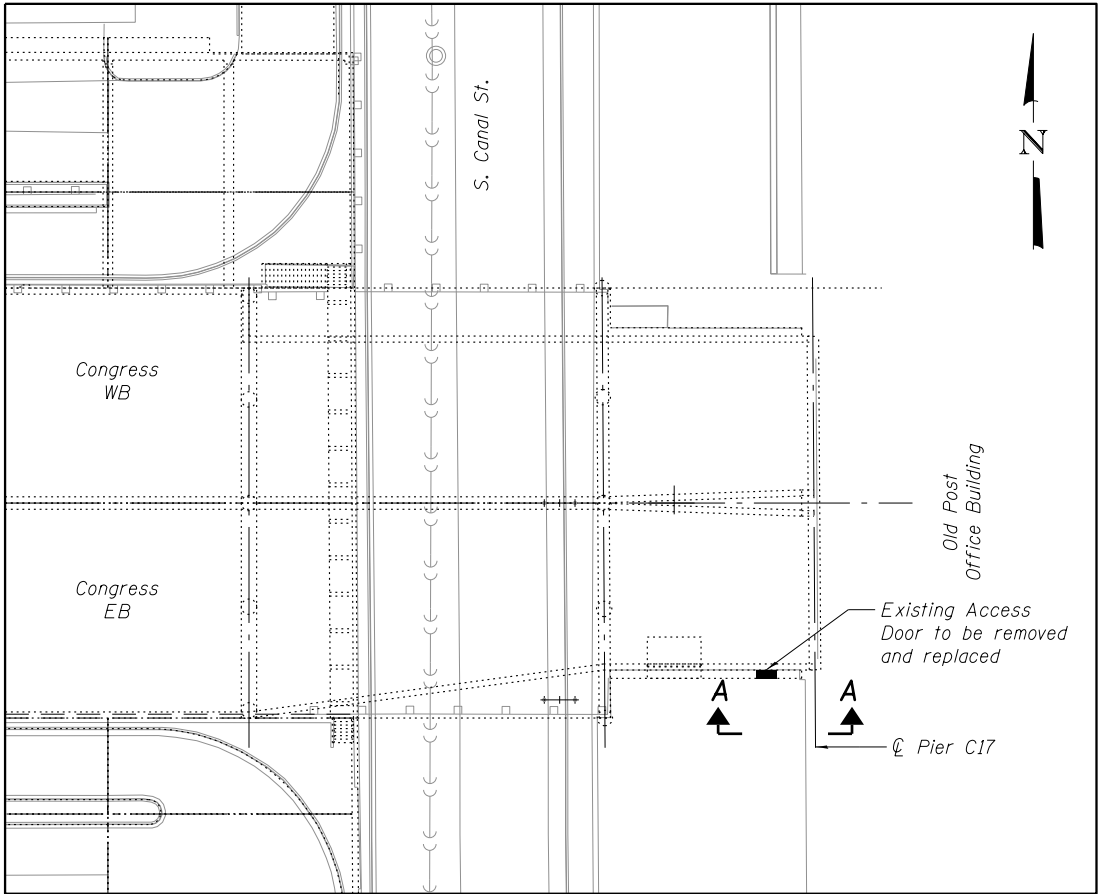
 Structural Repair of Concrete
(Depth equal to or less than 5 Inches)

BILL OF MATERIAL

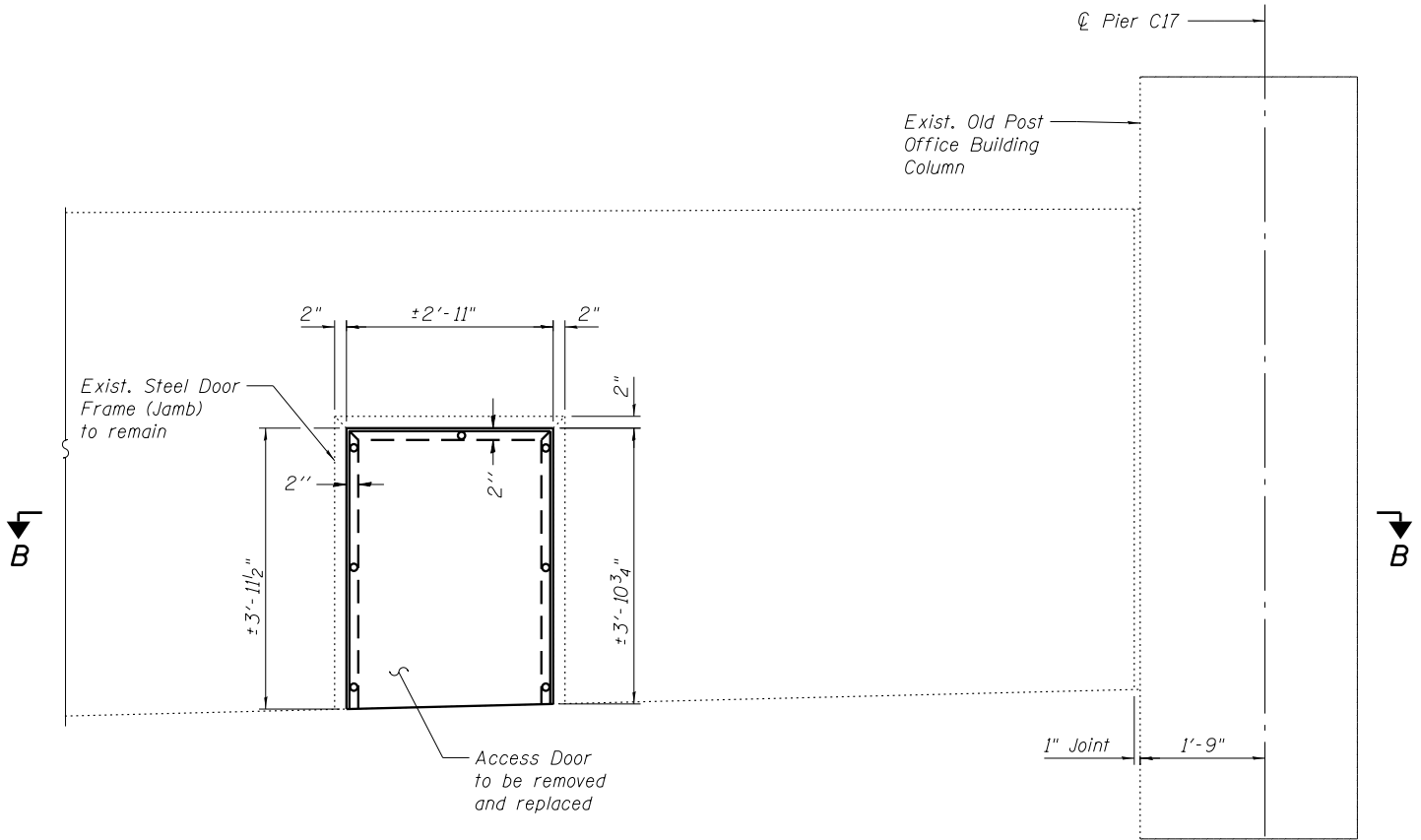
Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	3

0160461-60X75-5125-PRR.dgn

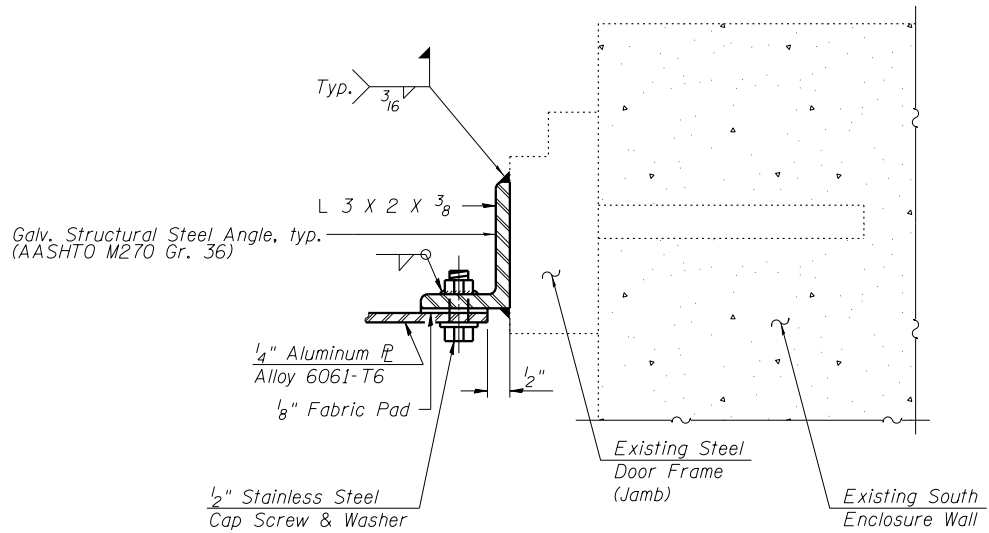
PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PIER C16 REPAIR STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
	PLOT SCALE = N.T.S.	CHECKED - PJL	REVISED -			90/94/290	2014-001 R&B (EB)	COOK	696	417				
	PLOT DATE = 6/28/2017	DRAWN - DCP	REVISED -			CONTRACT NO. 60X75								
		CHECKED - JIG	REVISED -			ILLINOIS FED. AID PROJECT								
					SHEET NO. S2-125 OF S2-137 SHEETS									



KEY PLAN

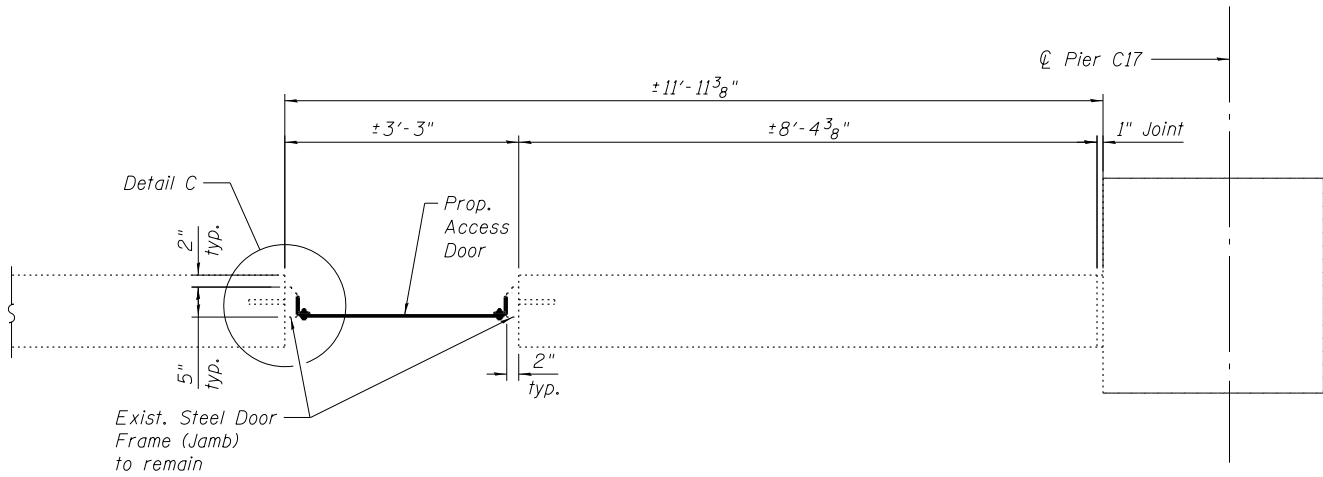


SECTION A-A
SOUTH ENCLOSURE WALL & ACCESS DOOR
(Looking North)



DETAIL C

Cost of door and frame are included with Access Door.

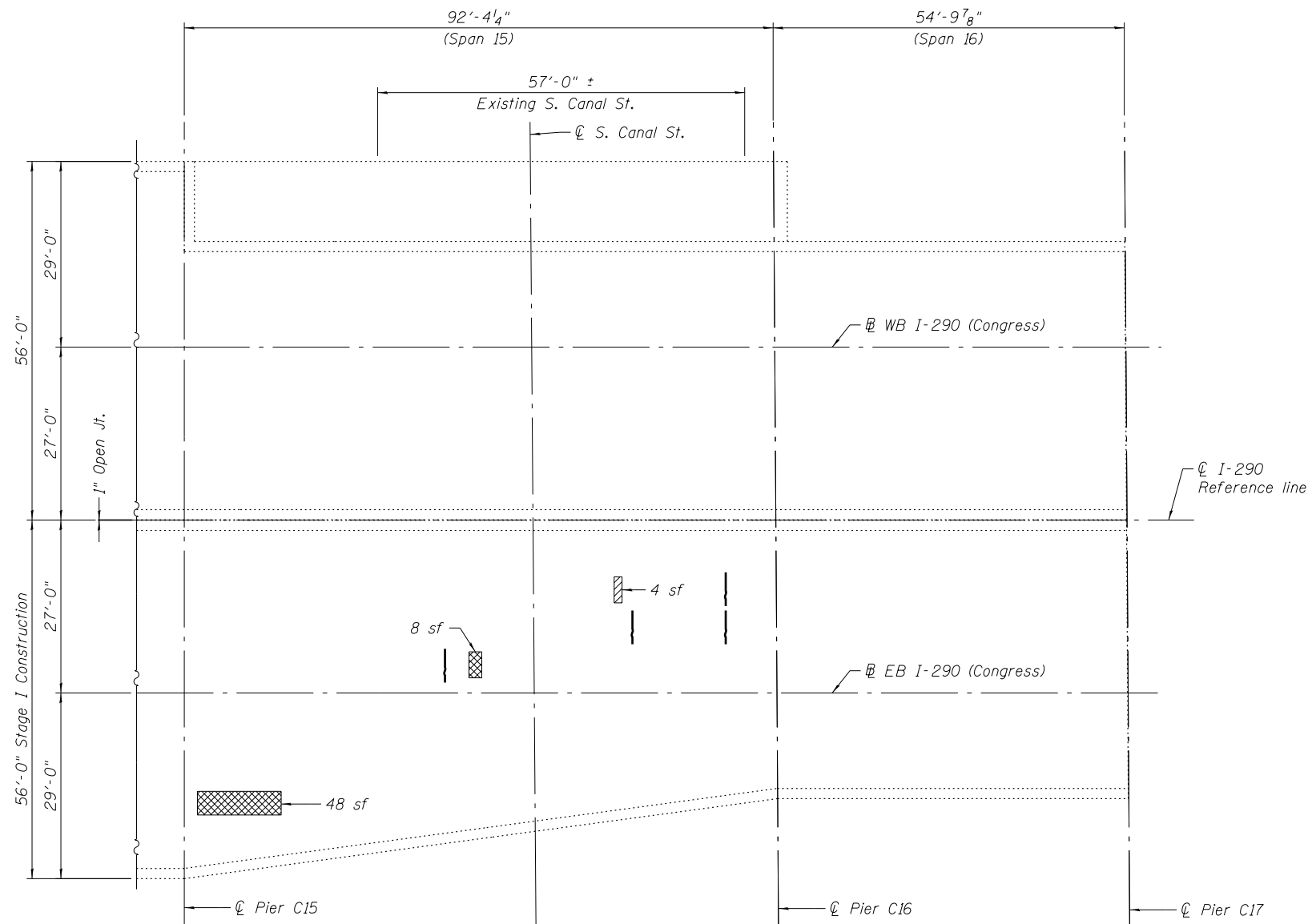


SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Access Door	Each	1

0160461-60X75-S126-DR1.dgn



DECK PLAN - UNIT IV
(Spans 15 & 16)

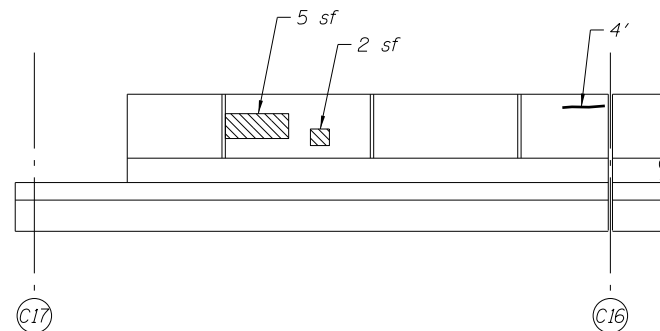
BILL OF MATERIAL

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

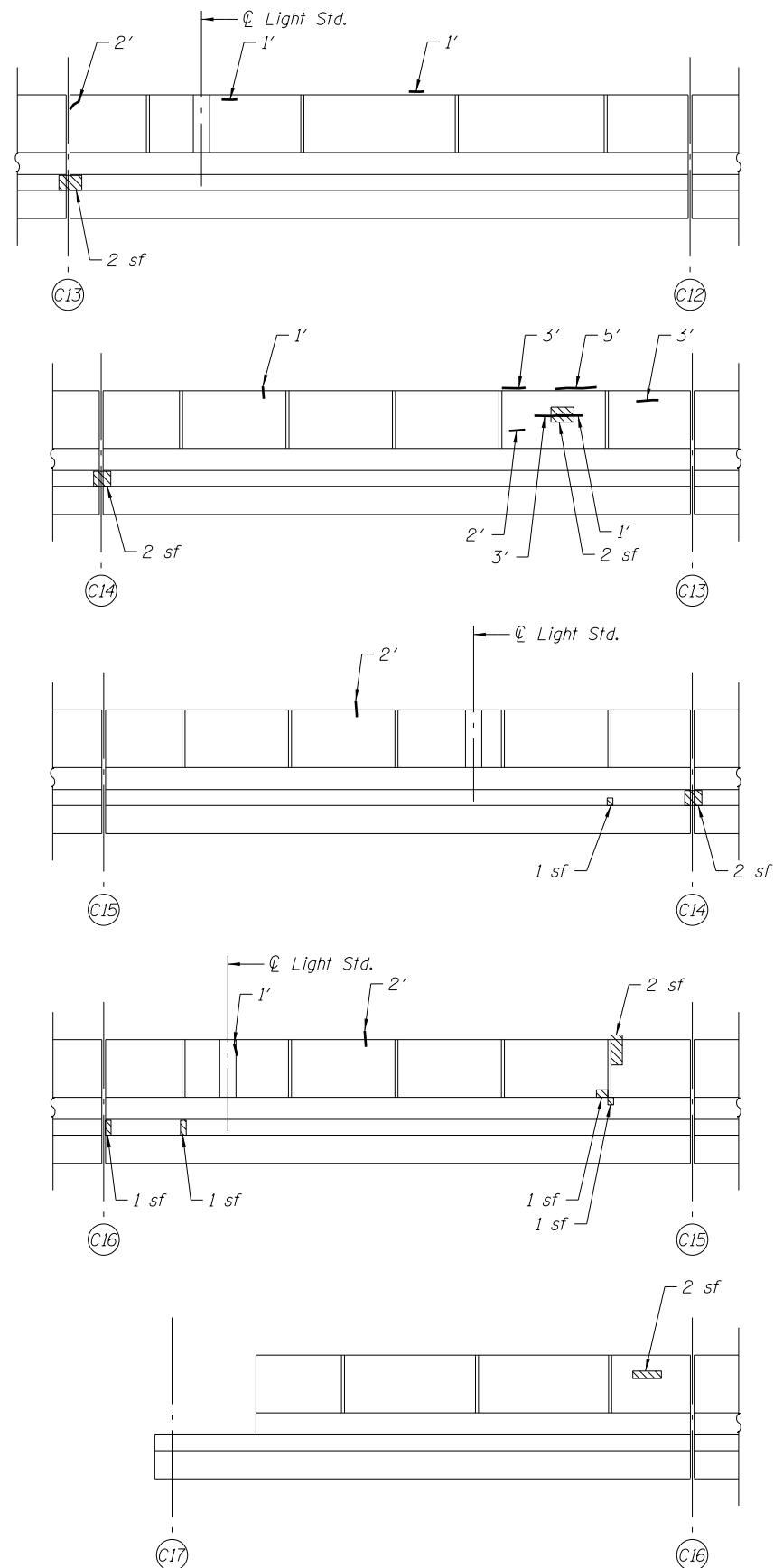
LEGEND

- 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-S128-DKR.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 -

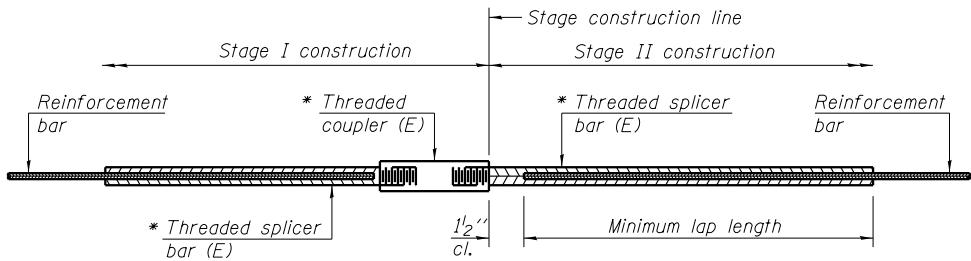
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**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				

0160461-60X75-S129-BAR.dgn



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

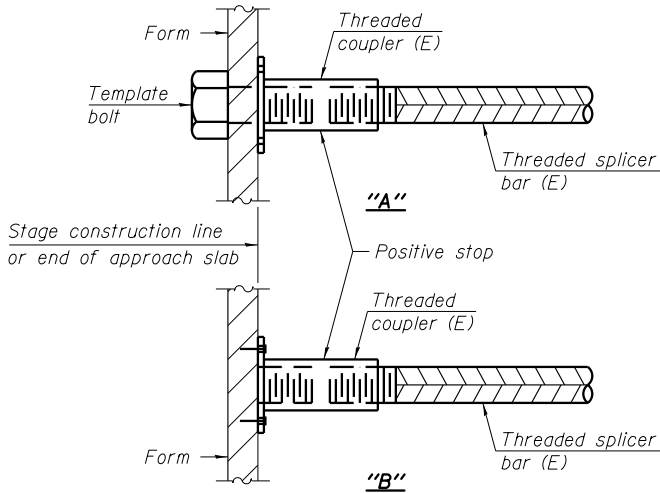
Table 5: Epoxy bar, Class C

Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1 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

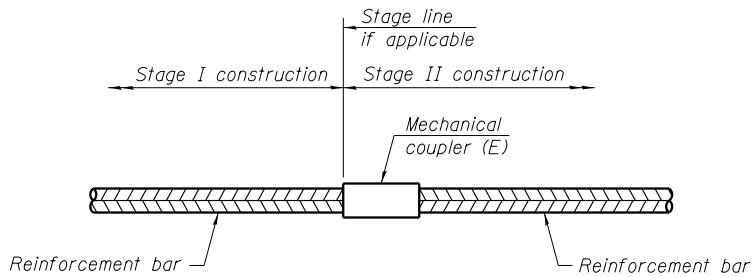


INSTALLATION AND SETTING METHODS

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

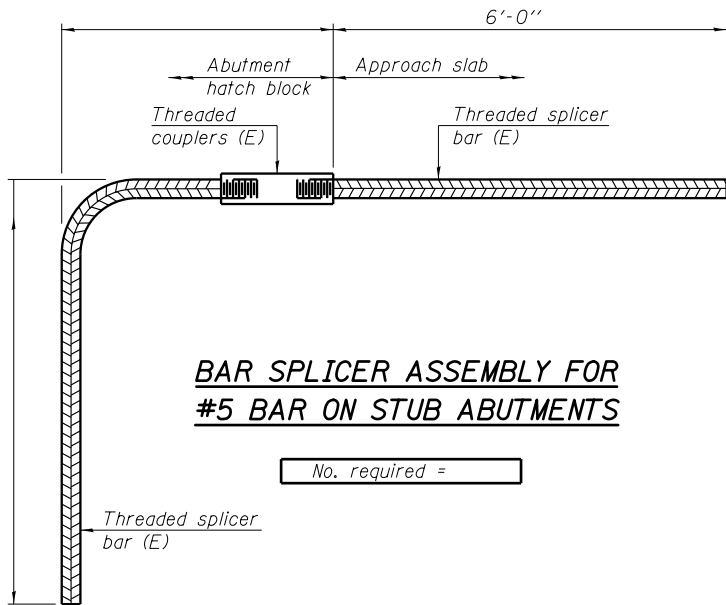
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(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.

**PARSONS
BRINCKERHOFF**

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

0160461-60X75-S130-BOR.dgn

**PARSONS
BRINCKERHOFF**

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS I
STRUCTURE NO. 016-0461

SHEET NO. S2-130 OF S2-137 SHEETS

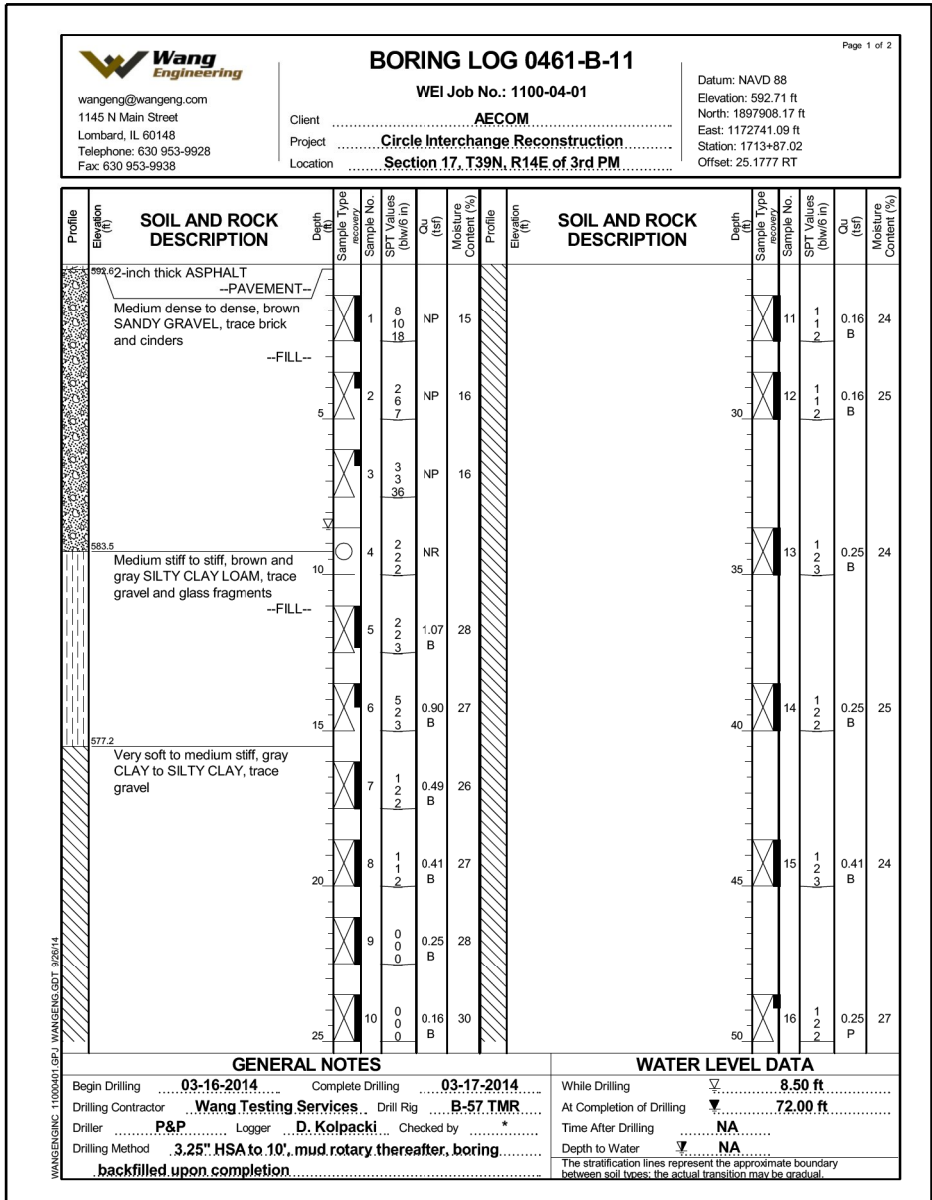
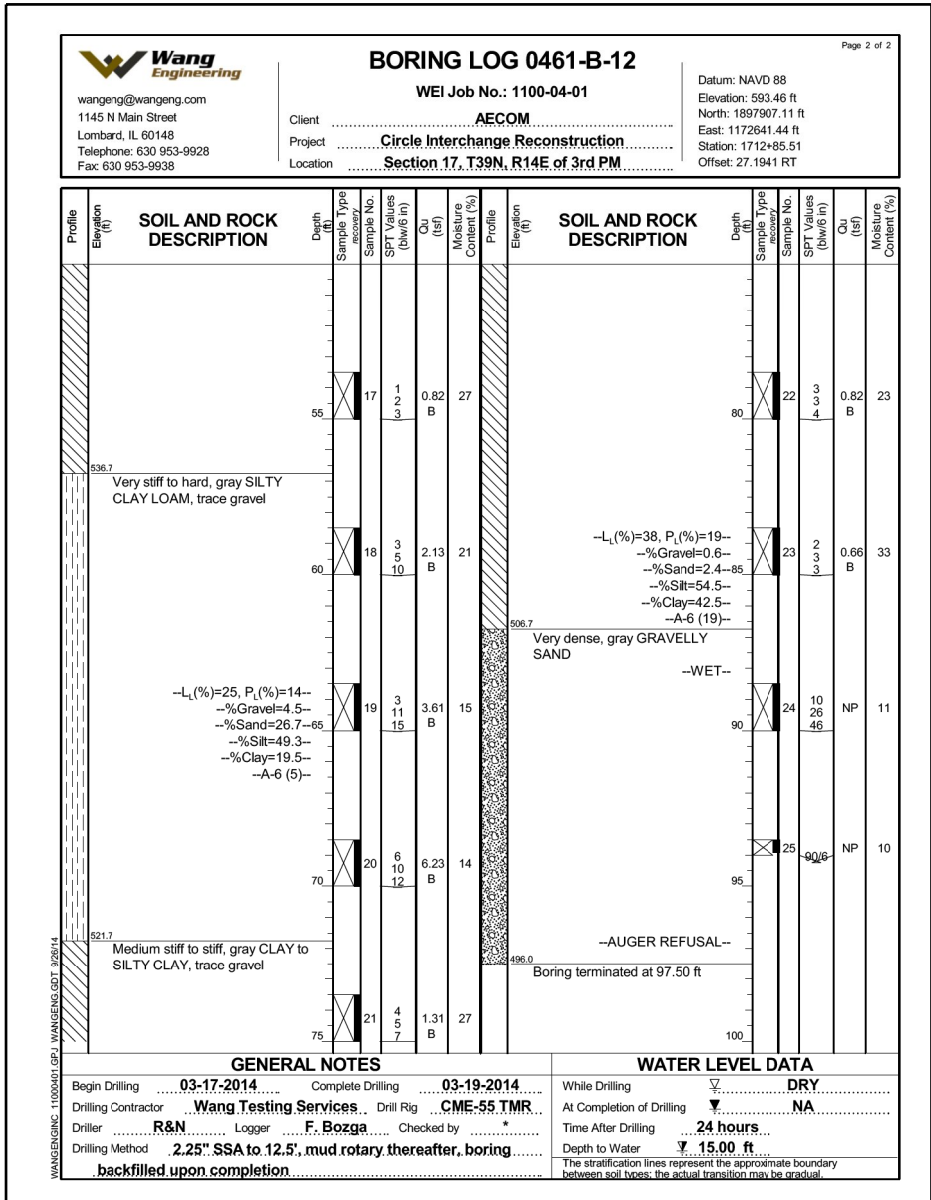
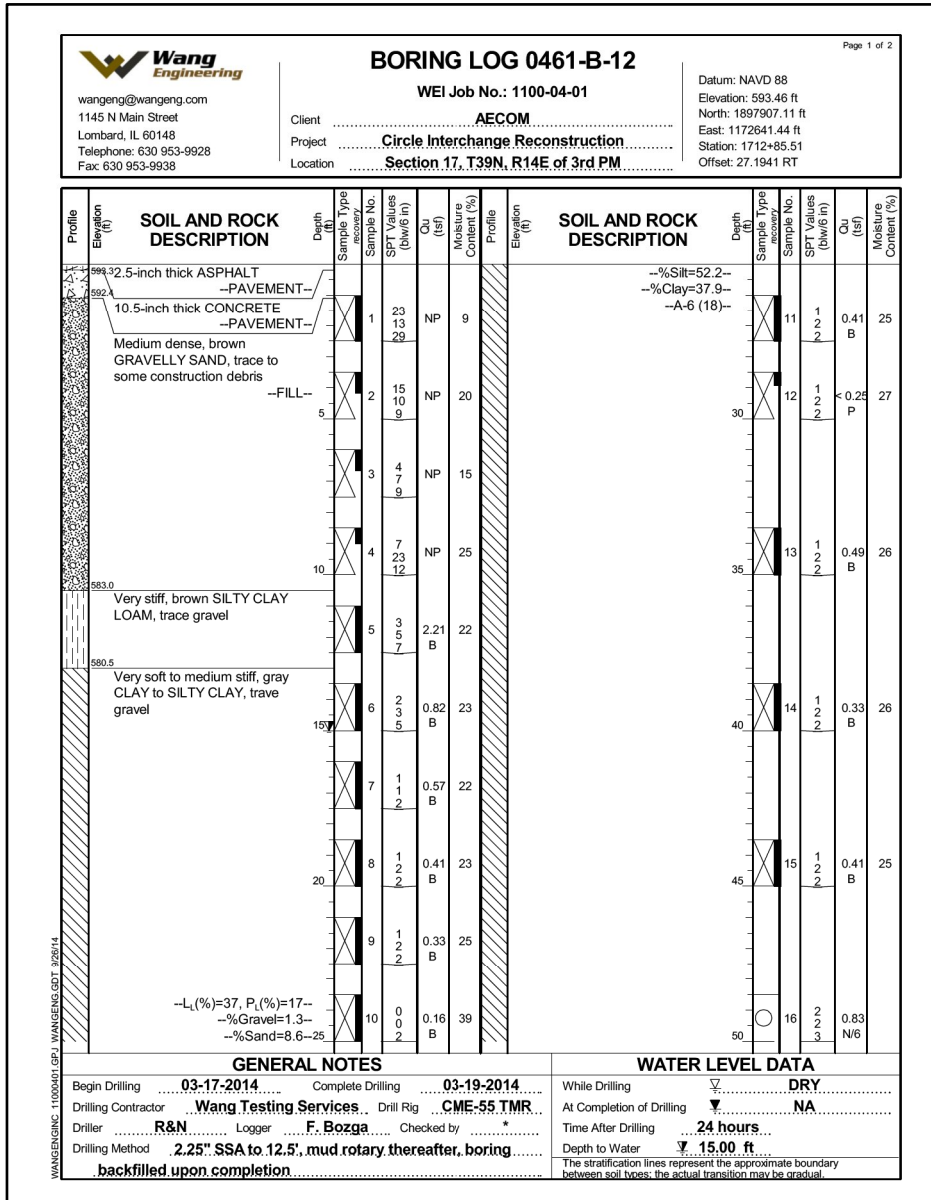
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	422
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

Wang Engineering wangeng@wangeng.com 1145 N Main Street Lombard, IL 60148 Telephone: 630 953-9928 Fax: 630 953-9938		BORING LOG 1710-B-03 WEI Job No.: 1100-04-01 Client: AECOM Project: Circle Interchange Reconstruction Location: Section 17, T39N, R14E of 3rd PM		Datum: NAVD 88 Elevation: 587.04 ft North: 1897891.66 ft East: 1171988.13 ft Station: 1706+38.71 Offset: 29.9313 LT	
SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION	
596.82.5-inch thick ASPHALT over 596.09.5-inch thick CONCRETE --PAVEMENT-- Medium dense, white CRUSHED STONE aggregate --FILL-- Very stiff, gray SILTY CLAY LOAM, trace gravel --L ₁ (%)=32, P ₁ (%)=19-- --%Gravel=2.0-- --%Sand=16.6-- --%Silt=52.1-- --%Clay=29.3-- --A-6(10)-- Very soft to medium stiff, gray CLAY to SILTY CLAY LOAM, trace gravel --L ₁ (%)=33, P ₁ (%)=18-- --%Gravel=3.1-- --%Sand=17.5--15-- --%Silt=50.4-- --%Clay=29.0-- --A-6(11)--		11 0 0.16 25 2 3 3.61 19 3 2 0.82 20 4 2 0.33 24 5 0 0.25 28 6 0 0.16 25 7 0 0.08 26 8 0 0.16 27 9 0 0.33 26 10 0 0.33 26		17 19 20 24 28 25 26 27 26 26	
540.3 Stiff to very stiff, gray CLAY to SILTY CLAY, trace gravel --L ₁ (%)=34, P ₁ (%)=18-- --%Gravel=4.0-- --%Sand=12.6--50--		12 0 0.16 27 13 0 0.08 26 14 2 0.25 25 15 2 0.25 27 16 4 1.15 22		27 26 25 27 22	
GENERAL NOTES Begin Drilling 10-14-2013 Complete Drilling 10-14-2013 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR Driller R&J Logger A. Tomaras Checked by L. Iordache Drilling Method 2.25" SSA to 10', 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 1710-B-03 WEI Job No.: 1100-04-01 Client: AECOM Project: Circle Interchange Reconstruction Location: Section 17, T39N, R14E of 3rd PM		Datum: NAVD 88 Elevation: 587.04 ft North: 1897891.66 ft East: 1171988.13 ft Station: 1706+38.71 Offset: 29.9313 LT	
SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION	
--%Silt=47.9-- --%Clay=35.5-- --A-6(12)-- 530.3 Hard, gray SILTY LOAM, trace gravel --L ₁ (%)=20 P ₁ (%)=16-- --%Gravel=1.6-- --%Sand=15.1--70-- --%Silt=71.3-- --%Clay=11.9-- --A-4(1)--		17 5 3.12 16 18 23 4.59 8 19 18 6.89 15 20 19 3.53 11 21 15 7.79 13		16 8 15 11 13	
499.5 Very dense, gray GRAVELLY SAND, trace cobbles --HARD DRILLING-- --Possible Cobbles-- 489.5 Very dense, gray SILTY LOAM, little gravel		22 50 >4.50 9 23 25 9.59 11 24 50 NP 12 25 50 NP 11 26 50 NP 11		9 11 12 11 11	
GENERAL NOTES Begin Drilling 10-14-2013 Complete Drilling 10-14-2013 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR Driller R&J Logger A. Tomaras Checked by L. Iordache Drilling Method 2.25" SSA to 10', 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 1710-B-03 WEI Job No.: 1100-04-01 Client: AECOM Project: Circle Interchange Reconstruction Location: Section 17, T39N, R14E of 3rd PM		Datum: NAVD 88 Elevation: 587.04 ft North: 1897891.66 ft East: 1171988.13 ft Station: 1706+38.71 Offset: 29.9313 LT	
SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION		SOIL AND ROCK DESCRIPTION	
484.5 --HARD DRILLING-- --Possible Cobbles-- 483.5 --WEATHERED BEDROCK-- --ROLLER BIT REFUSAL-- Boring terminated at 103.50 ft					
GENERAL NOTES Begin Drilling 10-14-2013 Complete Drilling 10-14-2013 Drilling Contractor Wang Testing Services Drill Rig CME-55 TMR Driller R&J Logger A. Tomaras Checked by L. Iordache Drilling Method 2.25" SSA to 10', 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.			

0160461-60X75-5134-BOR.dgn



**PARSONS
BRINCKERHOFF**

USER NAME = pateld
PLOT SCALE = N.T.S.
PLOT DATE = 6/28/2017

DESIGNED - PJL
CHECKED - AH
DRAWN - DCP
CHECKED - JIG

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS V
STRUCTURE NO. 016-0461

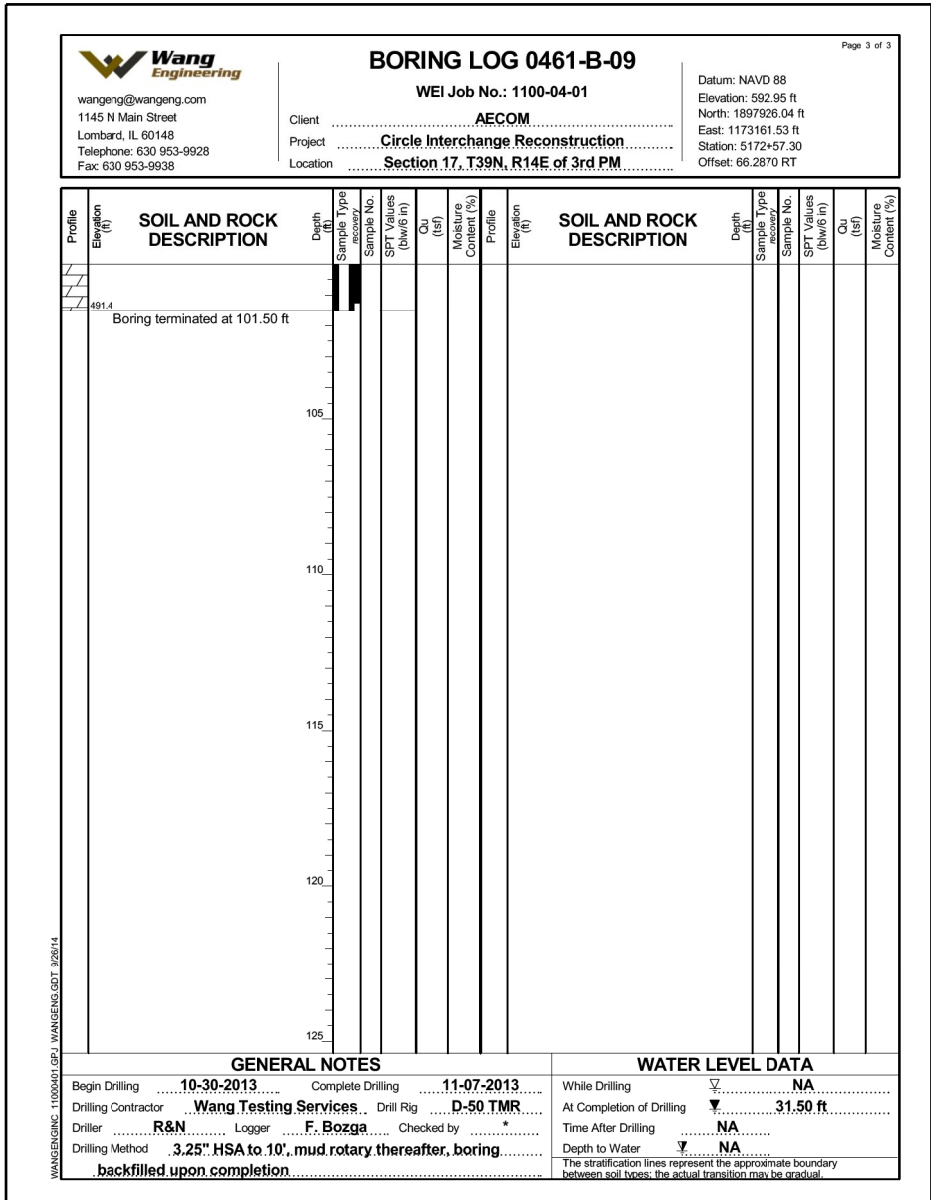
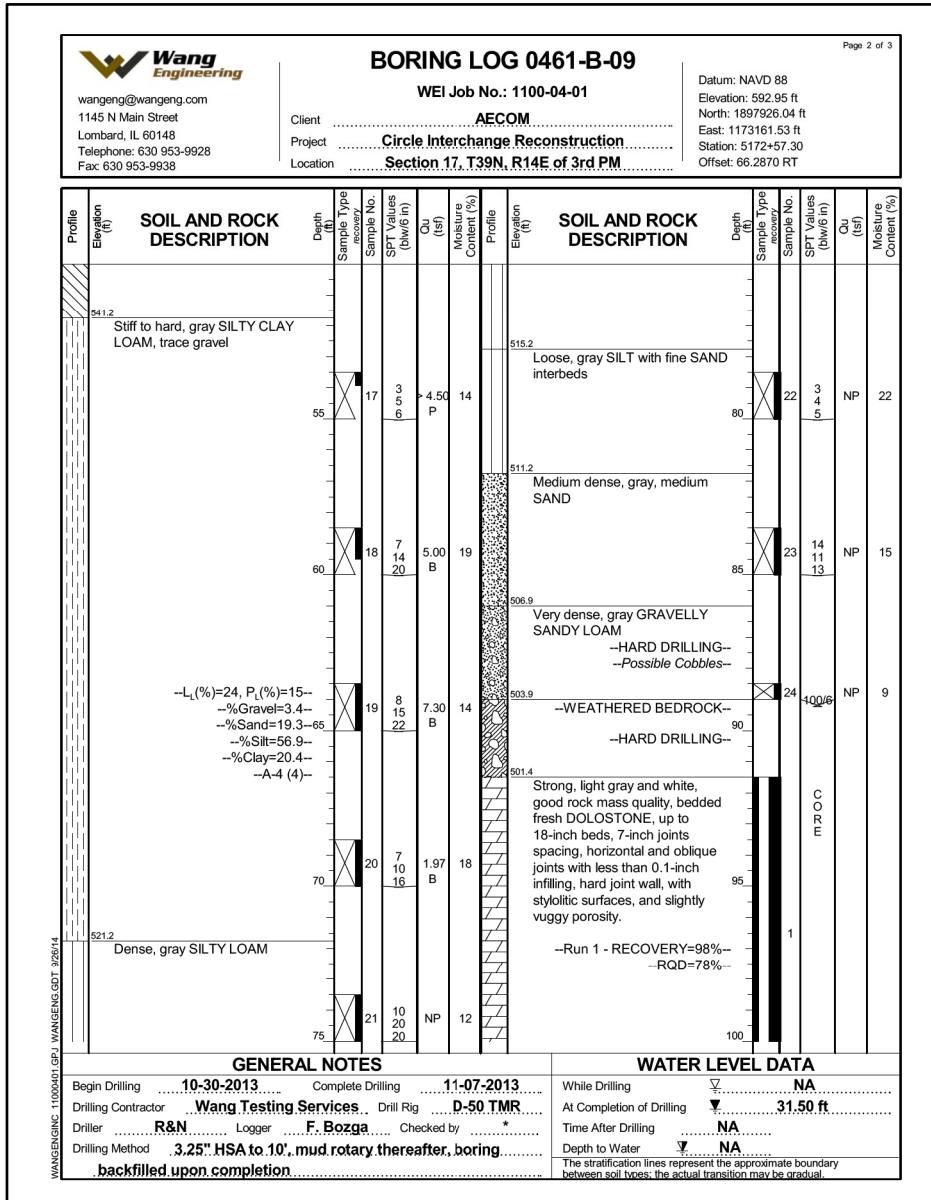
SHEET NO. S2-134 OF S2-137 SHEETS

F.A.I. RTE. 90/94/290
SECTION 2014-001 R&B (EB)
COUNTY COOK
TOTAL SHEETS 696
SHEET NO. 426
CONTRACT NO. 60X75
ILLINOIS FED. AID PROJECT

0160461-60X75-5137-BOR.dgn

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

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

INDEX OF SHEETS.
SEE SHEET NO. 2

STATE OF ILLINOIS
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

SUMMARY OF QUANTITIES

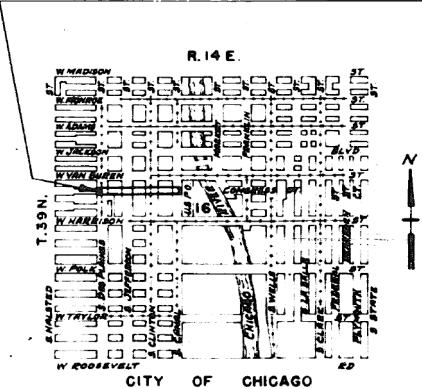
9,017,898	LBS.	STRUCTURAL STEEL
46,822	LBS.	STRUCTURAL STEEL FURNISH ONLY

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

PLAN	1 INCH	80 FT.
PROFILE HOR.	1 INCH	80 FT.
PROFILE VERT.	1 INCH	10 FT.
CROSS SECTIONS	1 INCH	5 FT. VERT.
CROSS SECTIONS	1 INCH	10 FT. HOR.

F.A.ROUTE 131 PROJECT U.I.261(5)
STRUCTURAL STEEL
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET
SEC.- 062-2424.4 - M.F.T.

SECTION 062-2424.4 - M.F.T. INCLUDES: THE FURNISHING
AND ERECTION OF STRUCTURAL STEEL FOR A SIXTEEN (16)
SPAN W.F. BEAM STRUCTURE TO CARRY CONGRESS STREET
EXPRESSWAY FROM SOUTH CANAL STREET, WEST FOR
1302 FEET TO SOUTH DES PLAINES STREET, ALL IN THE
CITY OF CHICAGO.



PLANS APPROVED
BY STATE DIVISION OF HIGHWAYS

REVISIONS		
DATE	BY	DESCRIPTION
11-1-50	F.S.R.	Rev. to Approved Plans

COUNTY OF COOK DEPARTMENT OF HIGHWAYS	
APPROVED	<i>[Signature]</i> 10-26-50 DISTRICT ENGINEER
APPROVED	<i>[Signature]</i> 10-26-50 CHIEF ENGINEER
APPROVED	<i>[Signature]</i> 10-26-50 SUPERINTENDENT
STATE OF ILLINOIS DEPARTMENT OF PUBLIC WORKS AND BUILDINGS DIVISION OF HIGHWAYS	
SUBMITTED	10-26-50
EXAMINED	10-26-50
PASSED	10-26-50
APPROVED	10-26-50
APPROVED	10-26-50
DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS	
RECOMMENDED FOR APPROVAL:	
DISTRICT ENGINEER	DATE
APPROVED:	
DIVISION ENGINEER	DATE

FOR INFORMATION ONLY

DESCRIPTION	DRAWING NO.	SEC 062-2424.3 SHEET NO.	SEC 062-2424.4 SHEET NO.
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PLAN & PROFILE FOR CANAL ST.	C.P.167	4	4
PLAN & PROFILE FOR DES PLAINES ST.	C.P.168	5	5
GRADES W.S. W.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.196	9	9
PLAN OF SUB-STRUCTURES (INCL WALLS)	C.P.310	10	10
PLAN OF FOUNDATIONS (CAISSONS)	C.P.197	11	11
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" " " " " "	C.P.294	21	21
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" " " " " "	C.P.226	61	61
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" " " " " "	C.P.229	64	64
" " " " " "	C.P.230	65	65
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" " " " " "	C.P.434	68	68
" " " " " "	C.P.435	69	69
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KEY LOCATION OF HANDRAIL & LIGHT STANDARDS			
HANDRAIL DETAILS PIERS 1 TO 12			
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" " " " " " NORTH SIDE PIERS 1 TO 6			
" " " " " " EAST SIDE CANAL ST			
" " " " " " WEST " " "			
GENERAL HANDRAIL DETAILS			

DESCRIPTION	DRAWING NO.	SEC 062-2424.3 SHEET NO.	SEC 062-2424.4 SHEET NO.
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" " " " " "	C.P.368	79	79
" " " " " "	C.P.369	80	80
" " " " " "	C.P.370	81	81
" " " " " "	C.P.371	82	82
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" " " " " "	C.P.373	84	84
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" " " " " "	C.P.379	90	90
" " " " " "	C.P.380	91	91
" " " " " "	C.P.381	92	92
" " " " " "	C.P.382	93	93
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" " " " " "	C.P.384	95	95
" " " " " "	C.P.385	96	96
" " " " " "	C.P.386	97	97
" " " " " "	C.P.387	98	98
" " " " " "	C.P.388	99	99
" " " " " "	C.P.389	100	100
" " " " " "	C.P.390	101	101
" " " " " "	C.P.391	102	102
" " " " " "	C.P.392	103	103
" " " " " "	C.P.393	104	104
" " " " " "	C.P.394	105	105
" " " " " "	C.P.395	106	106
" " " " " "	C.P.396	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.329	119	119
" " " " " "	C.P.330	120	120
" " " " " "	C.P.331	121	121
" " " " " "	C.P.332	122	122
" " " " " "	C.P.333	123	123
" " " " " "	C.P.334	124	124
RET. WALL ROW EAST OF DES PLAINES ST.	C.P.397	125	125
" " " " " "	C.P.398	126	126
" " " " " "	C.P.399	127	127
" " " " " "	C.P.400	128	128
" " " " " "	C.P.401	129	129
" " " " " "	C.P.402	130	130
" " " " " "	C.P.403	131	131
" " " " " "	C.P.404	132	132
" " " " " "	C.P.405	133	133
" " " " " "	C.P.406	134	134
" " " " " "	C.P.407	135	135
" " " " " "	C.P.408	136	136
" " " " " "	C.P.409	137	137
" " " " " "	C.P.410	138	138
" " " " " "	C.P.411	139	139
" " " " " "	C.P.412	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.344	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
" " " " " " " " " " "	C.P.534	154	154
CURB & GUTTER AND JOINT LAYOUT	C.P.535	155	155
CROSS SECTIONS 13 SHEETS	C.P.536	156	156
DETAIL OF SIDEWALKS	C.P.548	157	157
" " " " " "	C.P.549	158	158
" " " " " "	C.P.550	159	159
" " " " " "	C.P.551	160	160

DESCRIPTION	DRAWING NO.	SEC 062-2424.3 SHEET NO.	SEC 062-2424.4 SHEET NO.
DRAINAGE LAYOUT	C.P.551	160	160
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.S.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		177	177
CONDUIT SUSPENSION DETAILS		178	178
SERVICE DRIVE CONNECTION DETAILS		179	179
CONDUIT SECTIONS EAST SIDE OF CANAL ST.		180	180
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	DES. REVISION	
10/24/90	DES. REVISION		

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS			
WILLIAM N. ERICKSON RESIDENT BOARD OF COMMISSIONERS		GEORGE A. QUINLAN SUPV. OF HIGHWAYS	
INDEX OF DRAWINGS CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET			
COMPLETED H.A.O. DRAWN F.S.R. CHECKED		SECTION 062-2424.3 SCALE APPROVED <i>[Signature]</i>	
APPROVED <i>[Signature]</i> CHIEF ENGINEER	Date and Route No.	Fiscal Year.	Sheet No.
	62	1950	2
			Total Sheets 181
			Drawing No. C.P.432

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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. 2 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	431
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

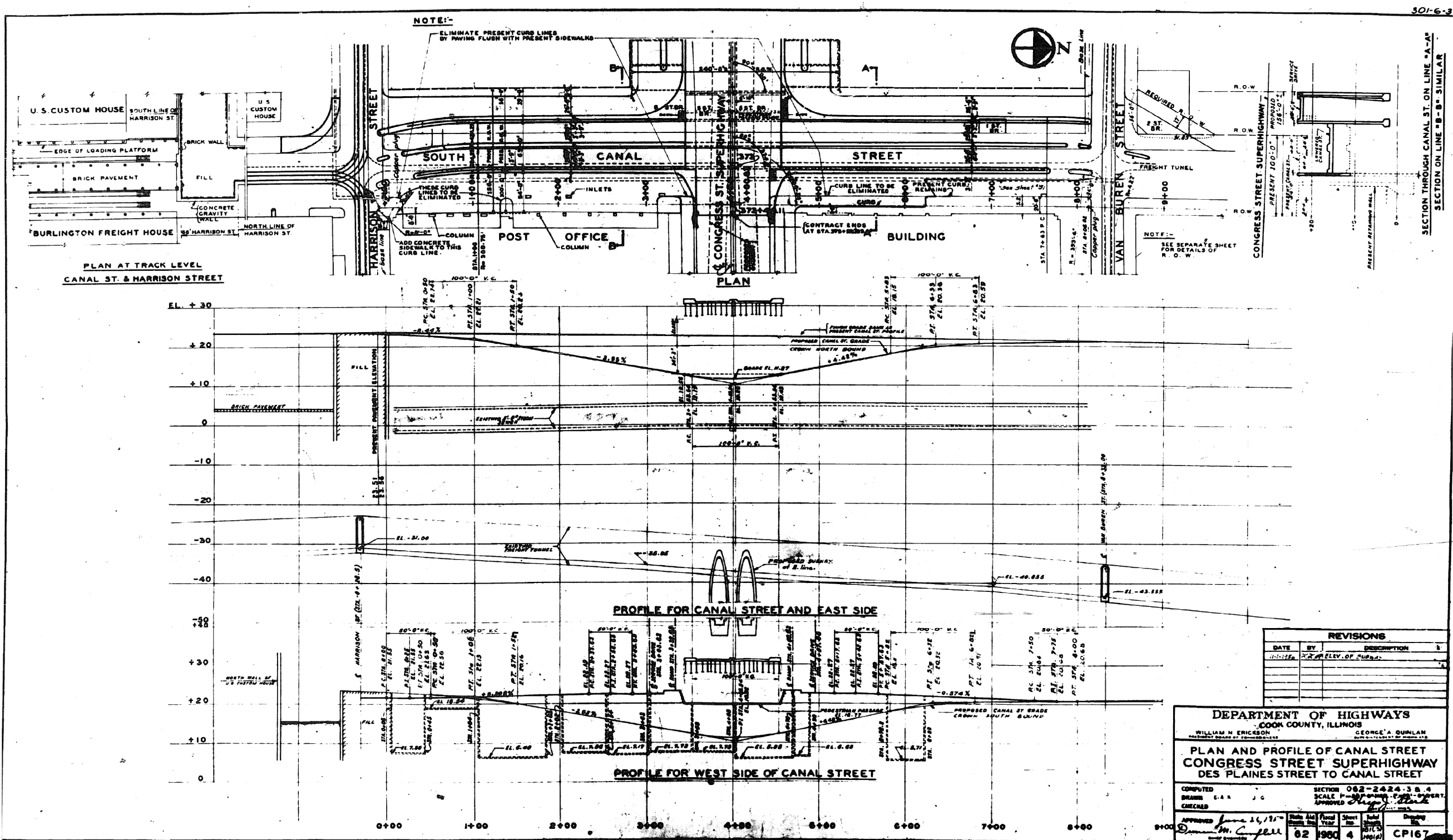
301-6-3

DESCRIPTION	DRAWING NO.	SEC.	
		062-2424.3	062-2424.4
		SHEET NO	SHEET NO
EXPANSION BEARING FOR PIERS 1 THRU. 14	C.P. 304	78	78
PIER	C.P. 303	78	78
" 1	C.P. 308	77	77
" 2	C.P. 307	78	78
" 3	C.P. 308	79	79
" 4	C.P. 338	80	80
" 5	C.P. 337	81	81
" 6	C.P. 337	82	82
" 7	C.P. 339	83	83
" 8	C.P. 340	84	84
" 9	C.P. 241	85	85
" 10	C.P. 242	86	86
" 11	C.P. 243	87	87
" 12	C.P. 244	88	88
" 13	C.P. 245	89	89
" 14	C.P. 246	90	90
" 15	C.P. 247	91	91
" 16	C.P. 248	92	92
" 17	C.P. 249	93	93
" 18	C.P. 250	94	94
" 19	C.P. 251	95	95
" 20	C.P. 252	96	96
" 21	C.P. 253	97	97
" 22	C.P. 254	98	98
" 23	C.P. 255	99	99
" 24	C.P. 256	100	100
" 25	C.P. 257	101	101
" 26	C.P. 258	102	102
" 27	C.P. 259	103	103
" 28	C.P. 260	104	104
" 29	C.P. 261	105	105
" 30	C.P. 262	106	106
" 31	C.P. 413	107	107
KEY LOCATION OF INLETS & DOWN SPOUTS	C.P. 439	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. 329	119	119
"	C.P. 330	120	120
"	C.P. 331	121	121
"	C.P. 332	122	122
"	C.P. 333	123	123
"	C.P. 444	124	124
RET. WALL R.O.W. EAST OF DES PLAINES ST.	C.P. 362	125	125
" EAST SIDE OF DES PLAINES ST.	C.P. 363	126	126
" & SIDEWALK WEST SIDE OF CANAL ST.	C.P. 403	127	127
" CANAL ST. NORTH OF VAN BUREN ST.	C.P. 404	128	128
" EAST SIDE OF CANAL ST.	C.P. 361	129	129
" WEST	C.P. 362	130	130
" R.O.W. EAST OF CLINTON ST.	C.P. 363	131	131
" WEST	C.P. 364	132	132
" WEST	C.P. 365	133	133
" WEST	C.P. 366	134	134
" WEST	C.P. 367	135	135
" WEST	C.P. 368	136	136
" WEST	C.P. 369	137	137
" WEST	C.P. 370	138	138
" WEST	C.P. 371	139	139
" WEST	C.P. 372	140	140
GENERAL PLAN CANAL ST. STRUCT. AT HARRISON ST.	C.P. 370	141	141
GENERAL DETAILS	C.P. 371	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. 382	148	148

[illegible]

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM E. LEICHOUGH PRESIDENT BOARD OF COMMISSIONERS GEORGE A. GUINLAN CHIEF ENGINEER & CLERK					
INDEX OF DRAWINGS CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET					
COMPUTED H.A.O. DRAWN F.S.R. CHECKED		SECTION 062-242.4 SCALE APPROVED			
APPROVED <i>James A. [Signature]</i> <i>James A. [Signature]</i> CHIEF ENGINEER		State and Route No.	Fiscal Year	Sheet No.	Total Sheets Drawing No.
		62	1950	2	148 CP 432

FOR INFORMATION ONLY



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

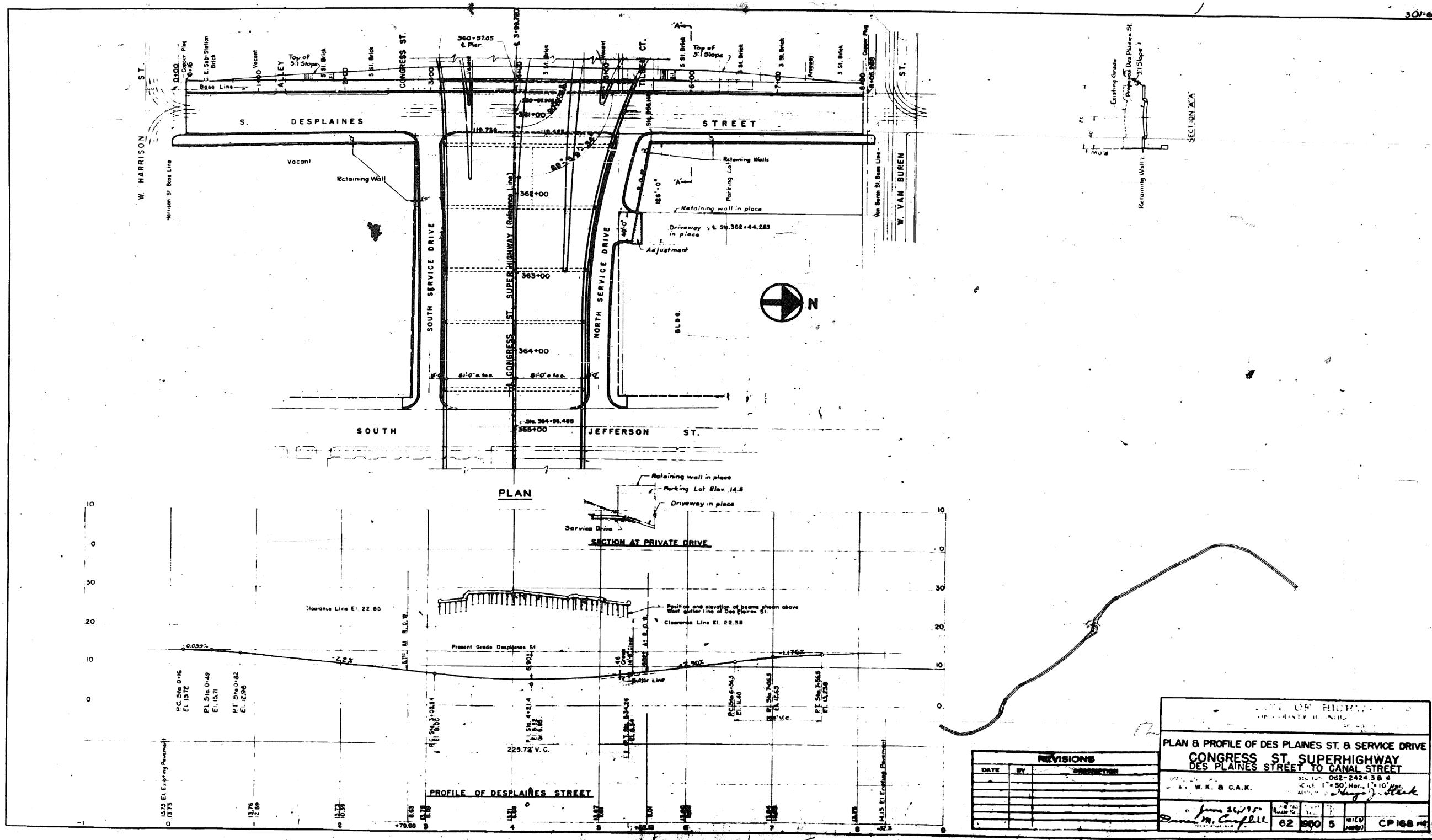
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 4 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	433

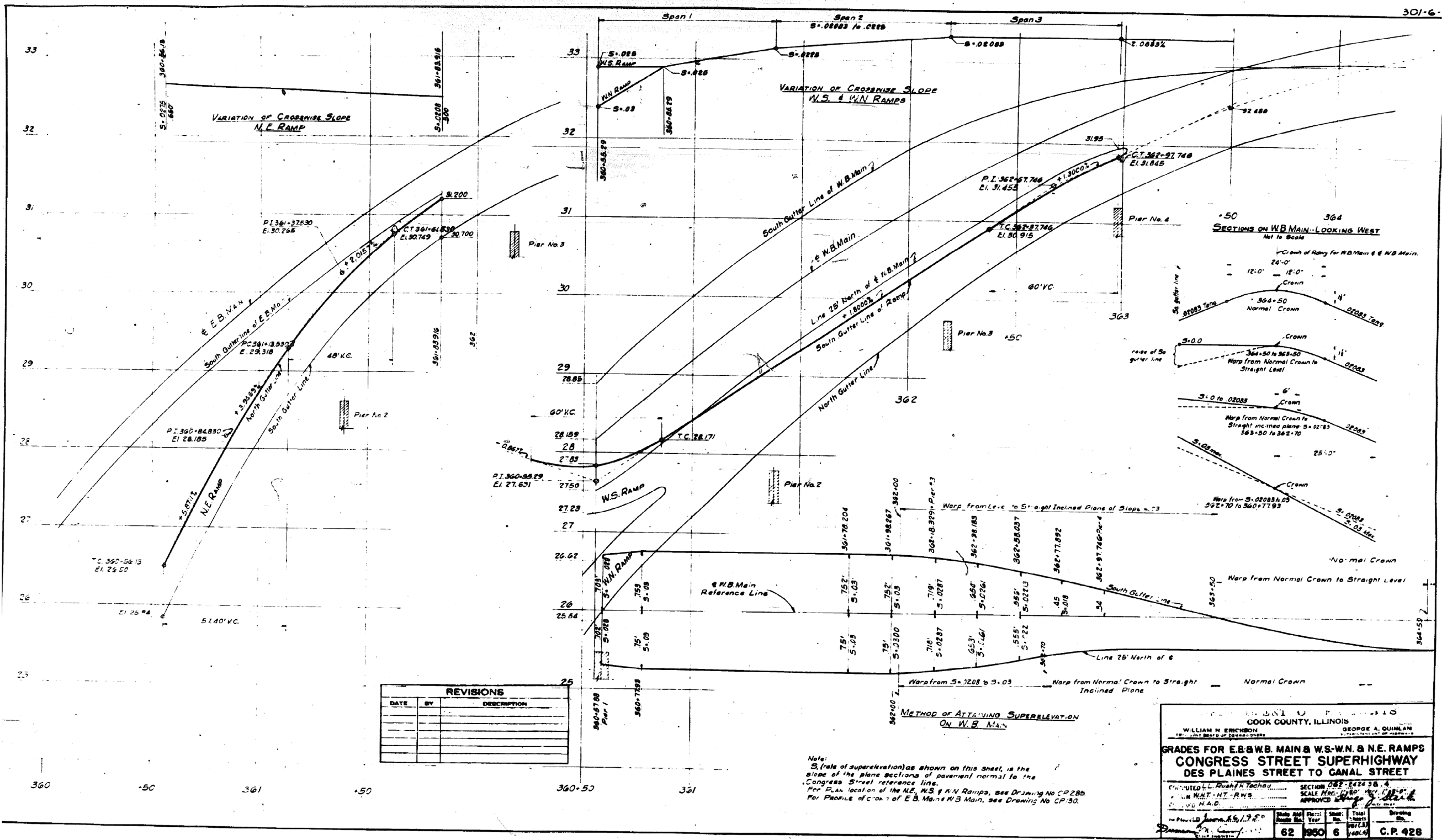
CONTRACT NO. 60X75
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

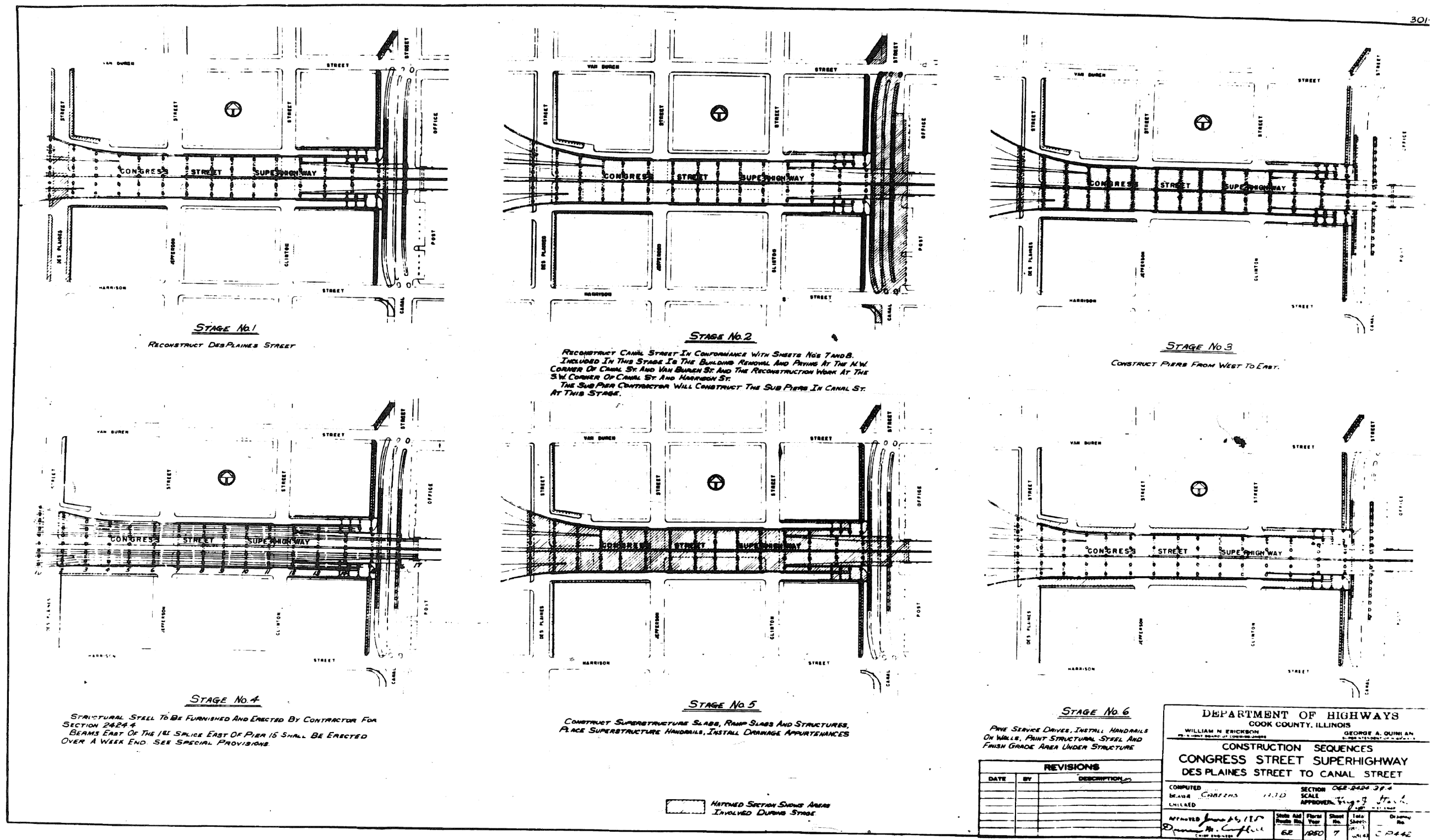


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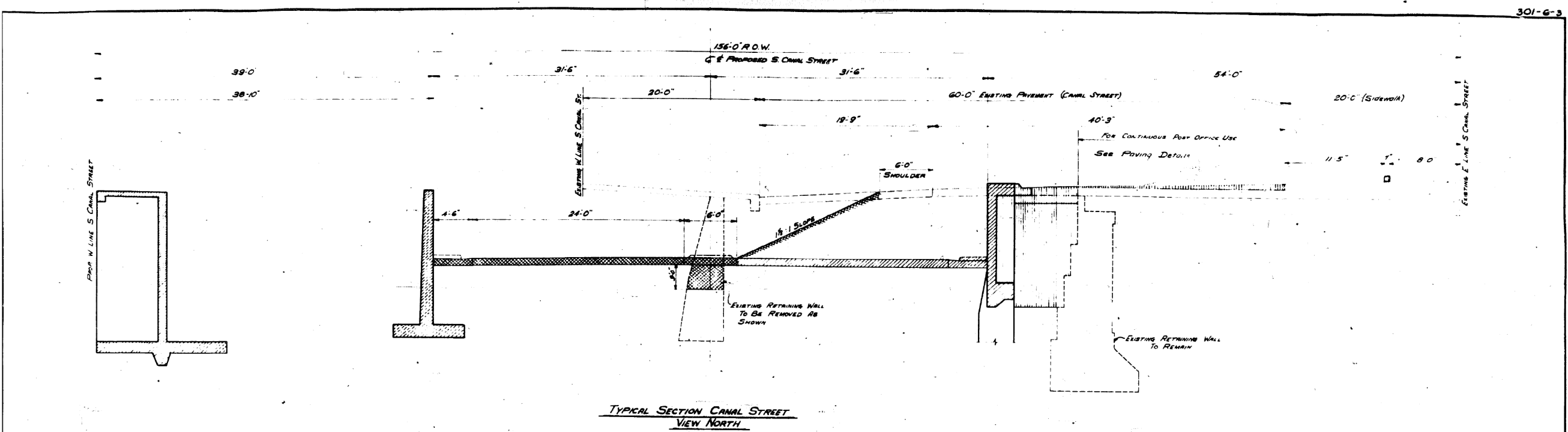
FOR INFORMATION ONLY



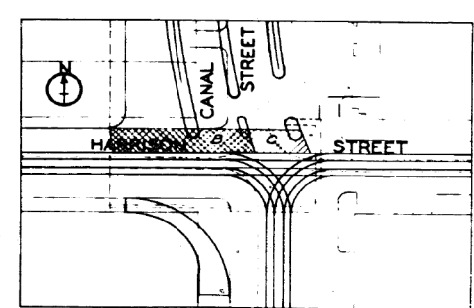
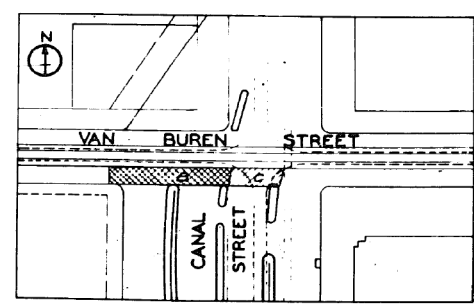
FOR INFORMATION ONLY



FOR INFORMATION ONLY



- STAGE No. 2**
- PHASE A** - 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** - CUT AND PAVE WEST 34'-6" OF PROPOSED CANAL ST. AND PAVE VAN BUREN AND HARRISON STS. AS SHOWN BELOW. REDUCE EXISTING CANAL ST. AT GRADE TO 40'-3" (20').
 - PHASE C** - ROUTE THRU CANAL ST. TRAFFIC INTO CUT SECTION AND COMPLETE CANAL ST. IN CUT AND PAVE VAN BUREN AND HARRISON STS. AS SHOWN BELOW.
 - PHASE D** - FILL BACK OF WALL AND COMPLETE POST OFFICE DRIVE.



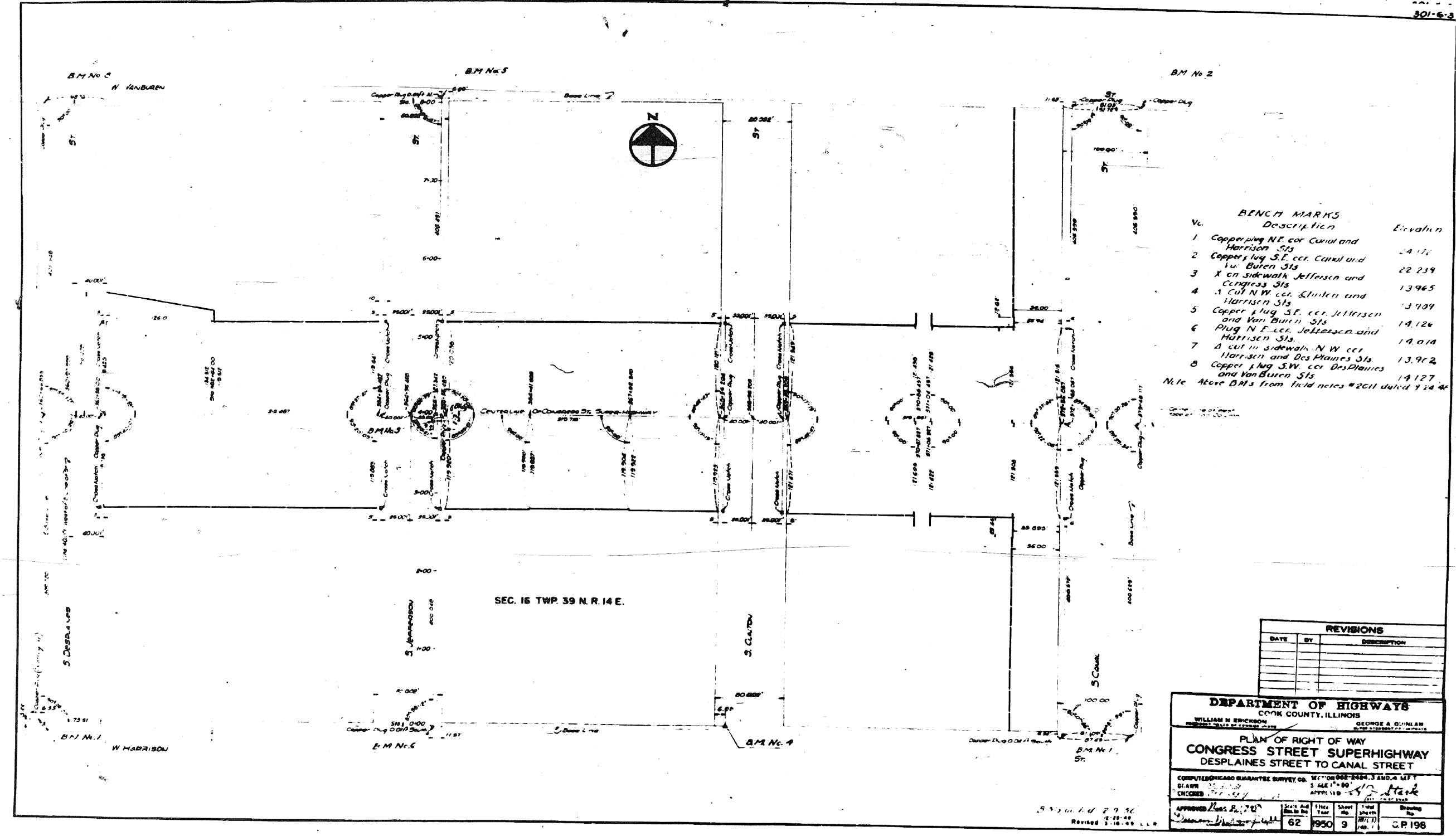
REVISIONS	
DATE	DESCRIPTION
5/3	As Per Shop Drawing Requirements

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

CONSTRUCTION SEQUENCES
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

DESIGNED BY: A.L.D. DRAWN BY: J.G. CHECKED BY: J.G. APPROVED BY: L. J. [Signature]
DATE: June 24, 1950
SHEET: 437 OF 437
PROJECT: 62-8424-30-A
CONTRACT NO. 60X75

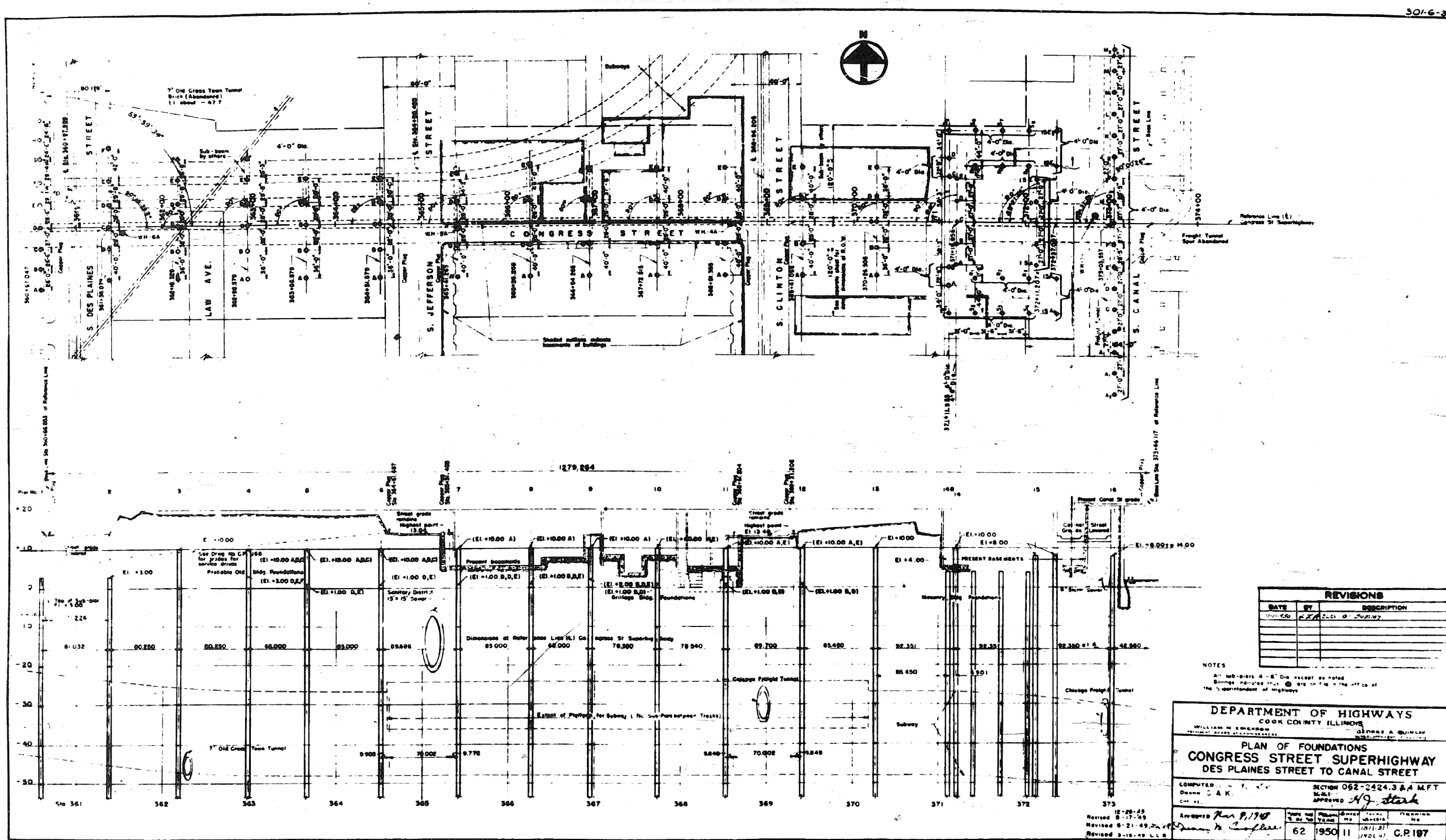
FOR INFORMATION ONLY



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FOR INFORMATION ONLY



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 Sheet Nos. 22, 23, 24, 25 and 26.
Finishing of the floor slab shall comply with Article 61.3 of the Standard Specifications.
The cost of copper water seal 47 barbed copper nails, and premolded 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 Sheet Nos. 19, 20, 21, 27, 28 and 29.
For concrete details see Sheet Nos. 22 to 25, 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.

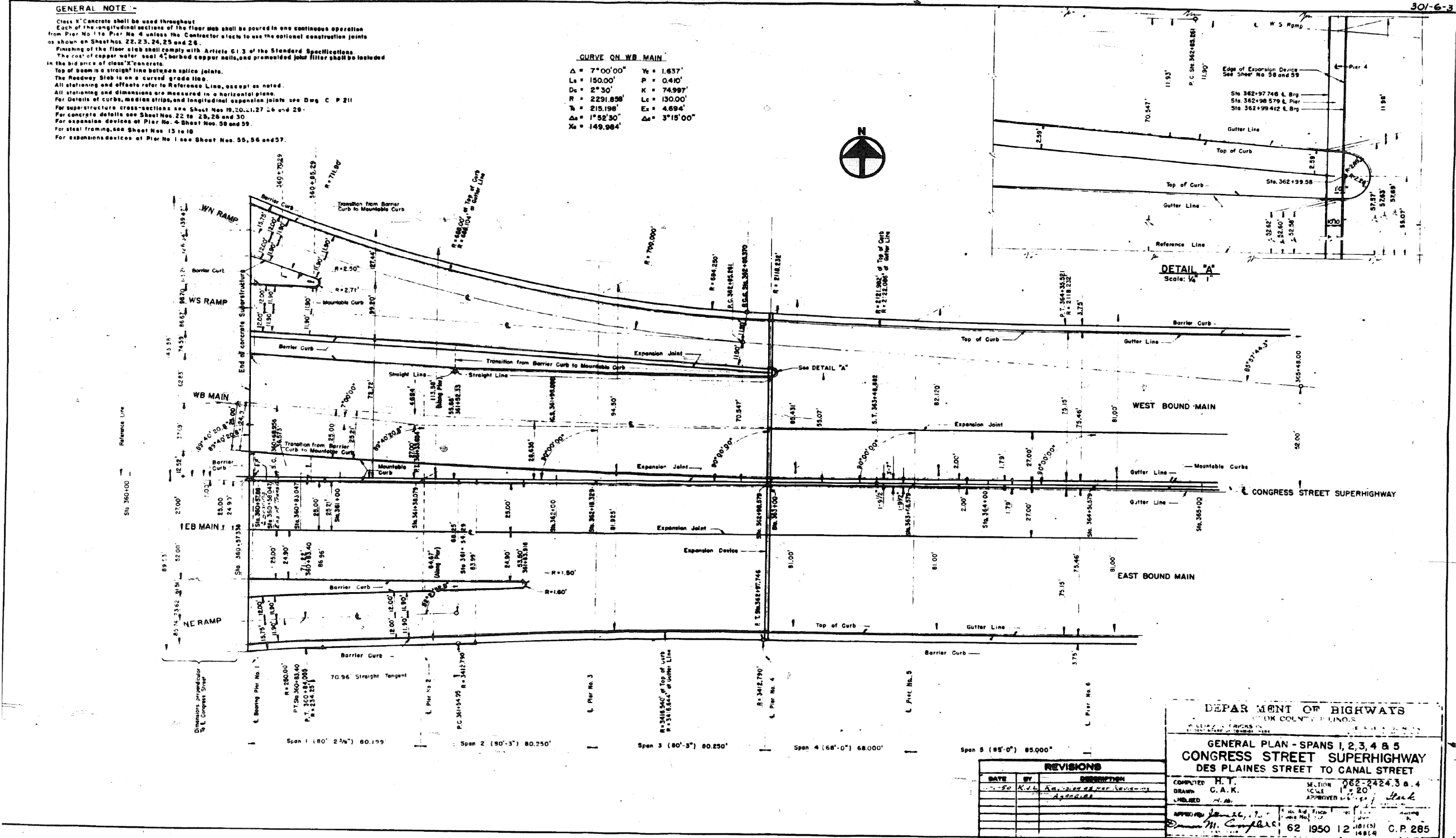
CURVE ON WB MAIN

$\Delta = 7^{\circ}00'00''$ $Y_c = 1.637'$
 $L_s = 150.00'$ $P = 0.410'$
 $D_c = 2^{\circ}30'$ $K = 74.997'$
 $R = 2291.898'$ $L_c = 130.00'$
 $T_s = 215.198'$ $E_s = 4.694'$
 $\Delta_s = 1^{\circ}52'30''$ $\Delta_c = 3^{\circ}15'00''$
 $X_c = 149.984'$



DETAIL "A"

Scale: 1/4" = 1'



DEPARTMENT OF HIGHWAYS

ILLINOIS

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

COMPUTED H. T. SECTION 062-2424.3 & 4
DRAWN C. A. K. SCALE 1" = 20'
APPROVED M. C. P. 285
62 1950 12 1481.4

EXISTING PLANS

STRUCTURE NO. 016-0461

SHEET NO. 12 OF 194 SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

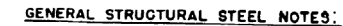
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PLOT SCALE =	N.T.S.	CHECKED -	REVISED -
PLOT DATE =	5/8/2017	DRAWN - DCP	REVISED -
		CHECKED - JIG	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	441
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

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PARSONS
BRINCKERHOFF

301-6-



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

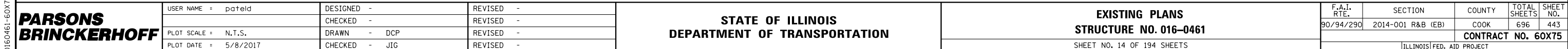
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NOTES:-

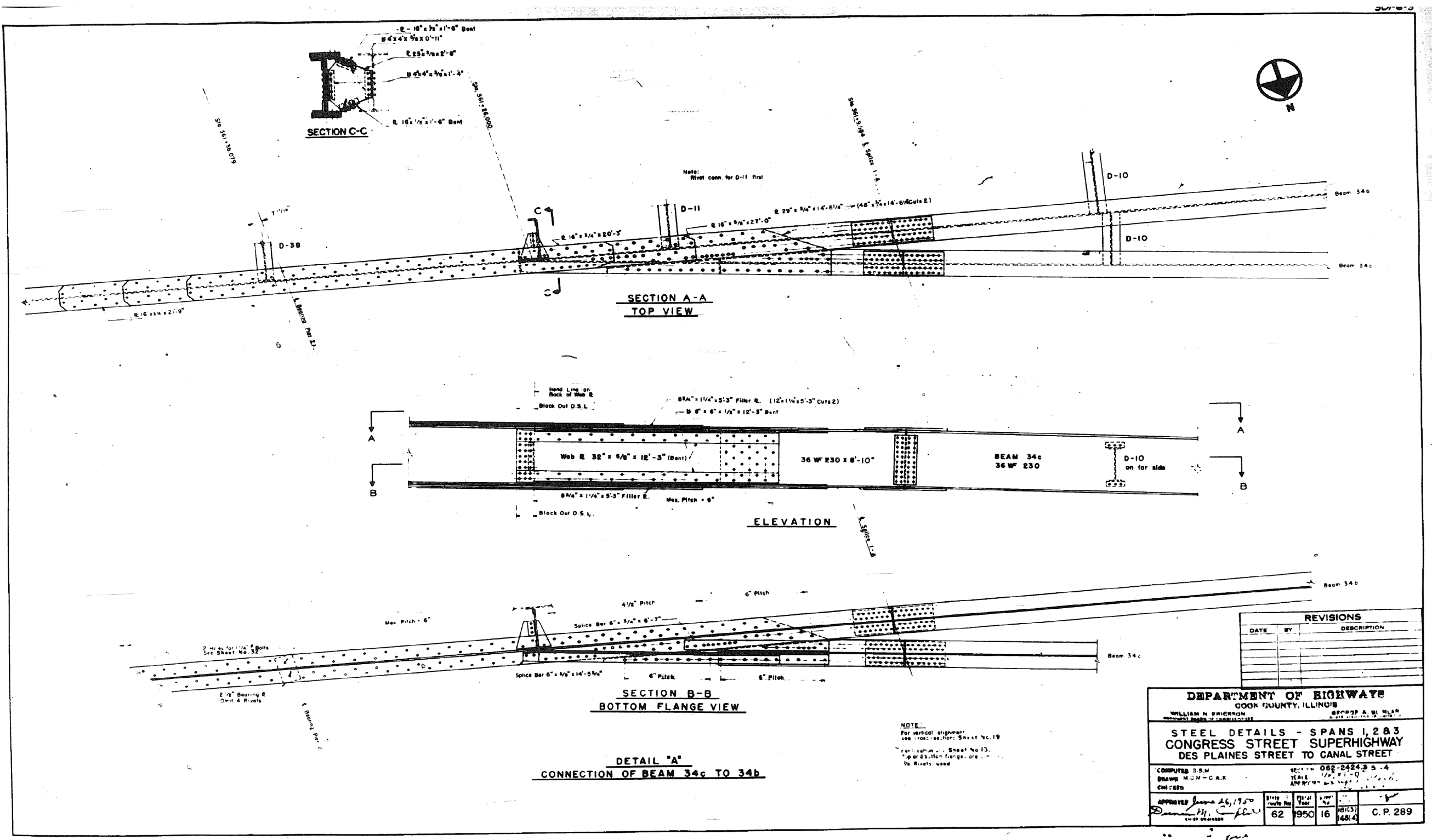
TOTAL WEIGHT OF STRUCTURAL STEEL
FOR SHEET NOS 13 TO 18 INCL = 1,651,265 LBS

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM N. BRICKSON PRESIDENT BOARD OF ROAD ENGINEERS					RECORD A QUIN, RA. ALLEGATE DIST. C. C. LITTLE	
FRAMING PLAN - SPANS 1, 2 & 3 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET						
COMPLETED DRAWN CHECKED		L. L. B. H. T. H. T. B. G. A. K.		SECTION SCALE APPROVED 002-2424.3 C. 4 12-1-1950 <i>W. L. Little</i>		
APPROVED <i>James M. Campbell</i>		DATE 62 1950 13		SHEET 181(8) 181(8)		CITY C. P. 286

0160461-60X75-S159-EXT.dgn



FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAY			
COOK COUNTY, ILLINOIS			
WILLIAM H. BRINCKERHOFF		SUPERVISOR	
STEEL DETAILS - SPANS 1, 2 & 3			
CONGRESS STREET SUPERHIGHWAY			
DES PLAINES STREET TO CANAL STREET			
COMPUTED G.S.M.	SCALE	062-2424.3 B-4	
DRAWN MCM-CAK	DATE	1/2, 1/1-0	
CHECKED	DATE	1/2, 1/1-0	
APPROVED June 26, 1950	DATE	1/2, 1/1-0	
62	950	16	C. P. 289

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**PARSONS
BRINCKERHOFF**

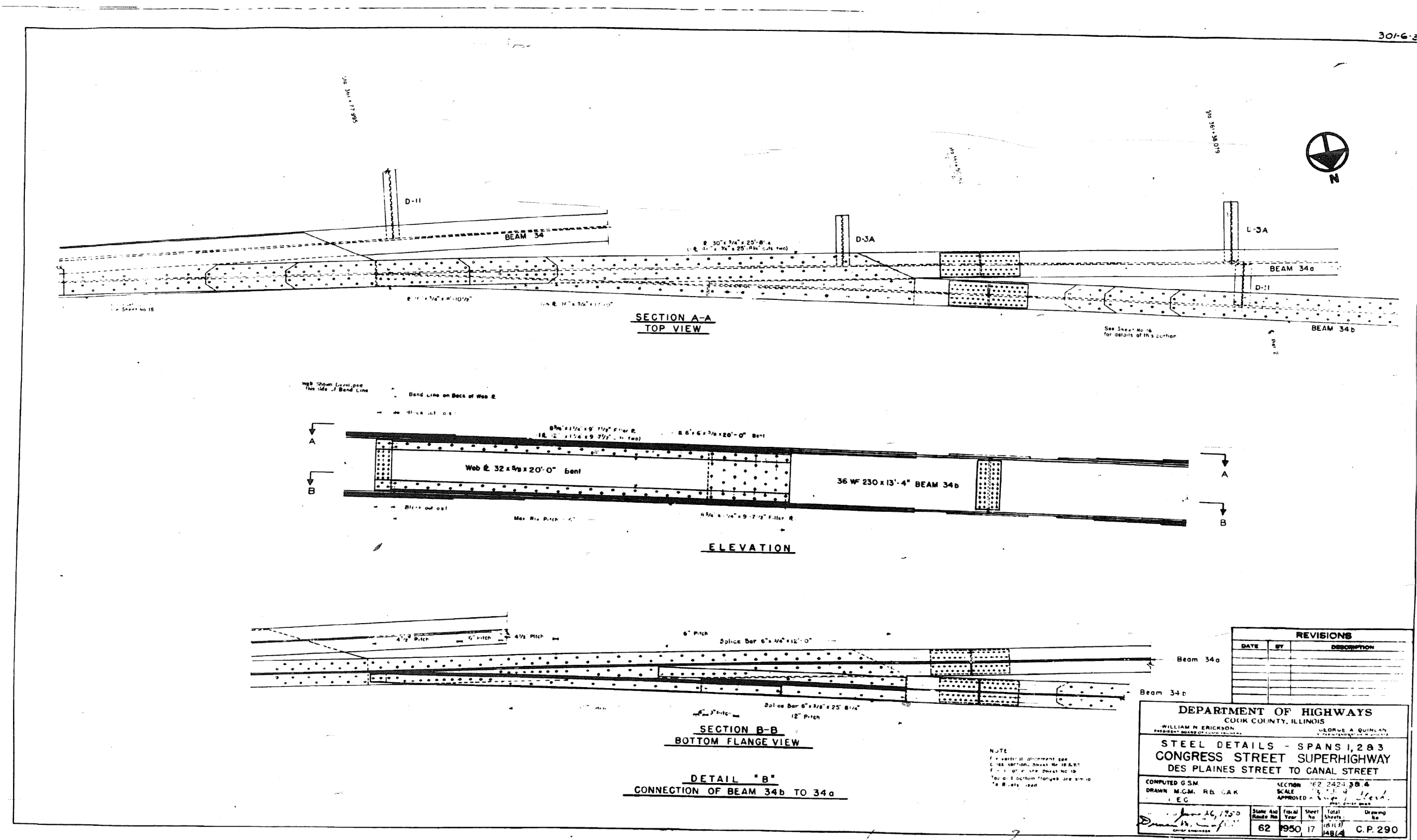
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 16 OF 194 SHEETS

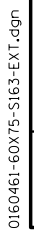
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	445
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

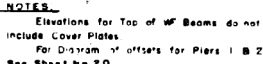


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301-6-3



301-6-3

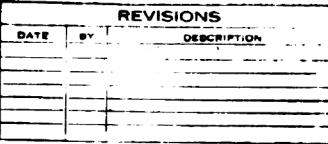


DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM N. FRICKSON PRESIDENT BOARD OF COMMISSIONERS					GEORGE A. QUINLAN SUPERVISOR OF HIGHWAYS				
STEEL DETAILS FOR SPANS 1, 2 & 3 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET									
COMPLETED M. T. L.L.R. DRAWN G. A. K. CHECKED <i>AS</i>				SECTION 062-24243 B.4. SCALE 1" = 1'-0" APPROVED <i>G. A. K.</i> DATE <i>10/1/50</i>					
APPROVED <i>James H. [Signature]</i> CHIEF ENGINEER				State and Local	Fiscal Year	Sheet No.	Total Sheets (101-13)	Drawing No.	
				62	1950	9	101-13	C.P. 292	

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01-6-



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

DEPARTMENT OF HIGHWAYS COOK COUNTY ILLINOIS			
WILLIAM N. FRICKS, JR. PERMANENT DEPT. OF HIGHWAYS		GEORGE A. CONLAN CHIEF ENGINEER	
STEEL DETAILS FOR SPANS 1, 2 & 3 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET			
COMPUTED BY H. F. ALLR.	SECTION 062-24243 & 4	DATE 1/8 - 1-10-34	
DRAWN BY R. B. & G. A. K.	APPROVED [Signature]	[Signature]	
CHECKED BY C. B.	[Signature]		
APPROVED [Signature]	State Aid Fund No.	Fiscal Year	Sheet No. Total Sheets
[Signature] CHIEF ENGINEER	62	1950	21 107(13) 148(6)
			Learning No. C. P. 294

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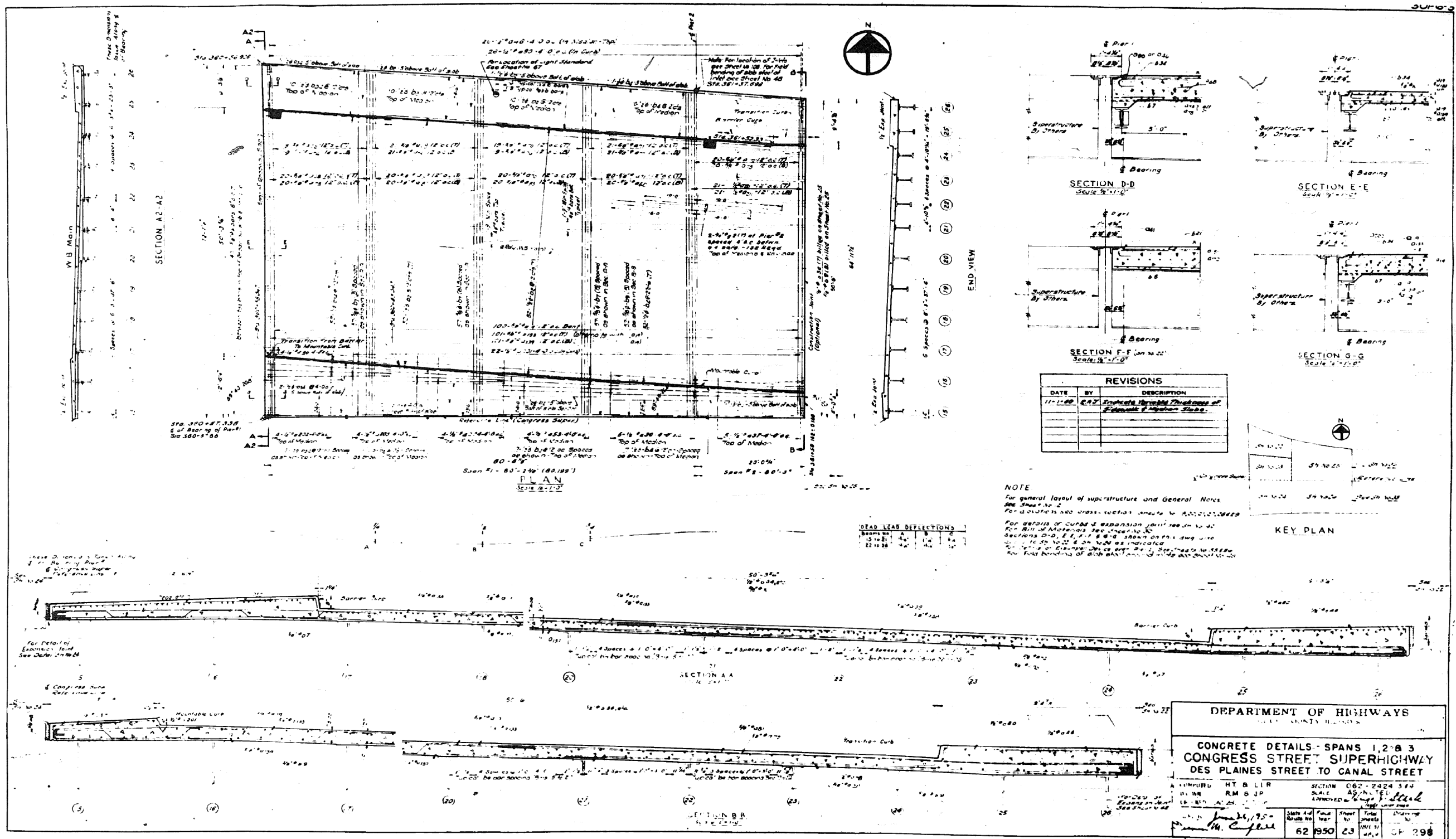


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

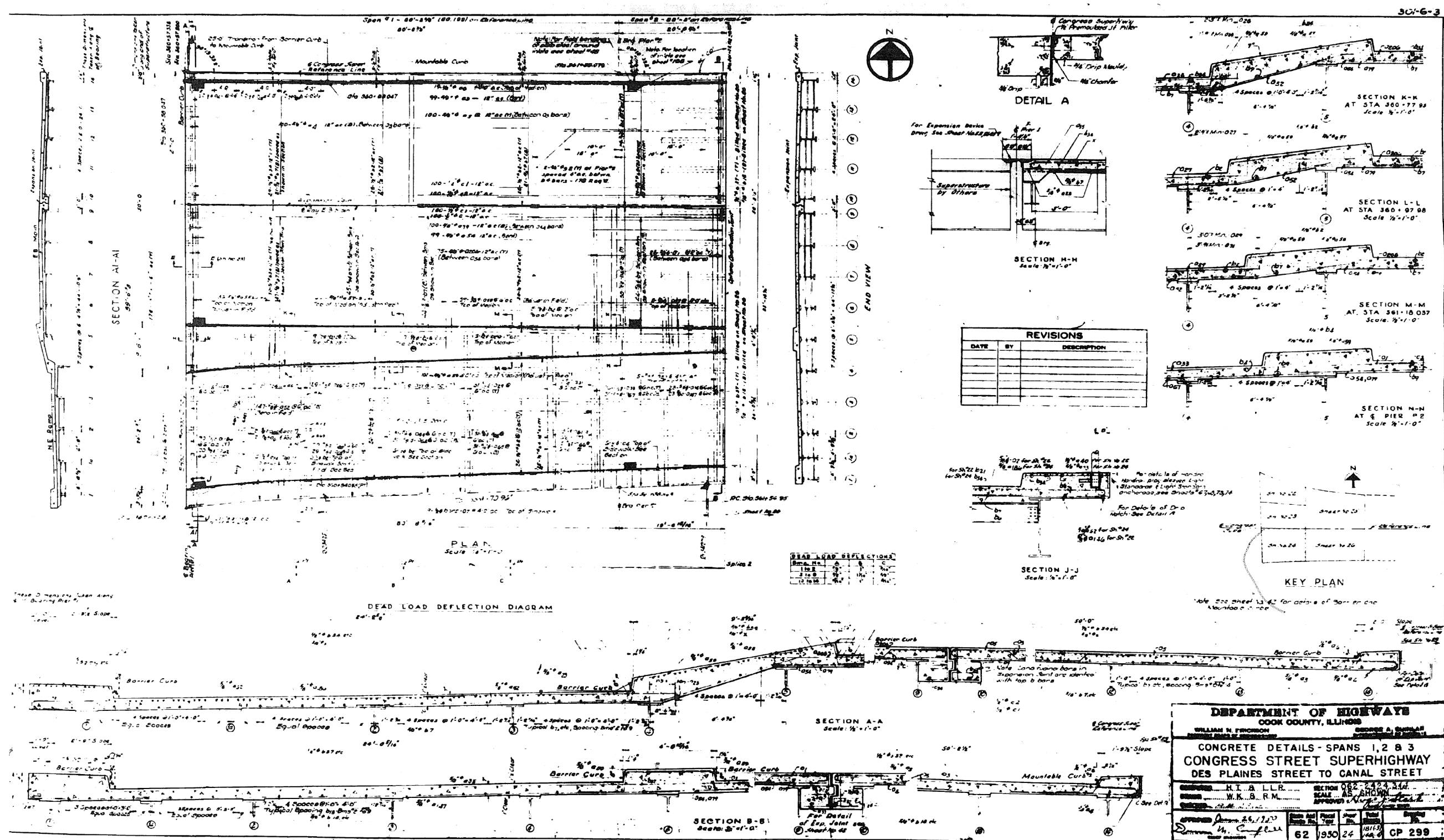
SHEET NO. 22 OF 194 SHEETS

F.A.I. RTE.	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



FOR INFORMATION ONLY



PARSONS
BRINCKERHOFF

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

DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JTG

REVISED -
REVISED -
REVISED -
REVISED -

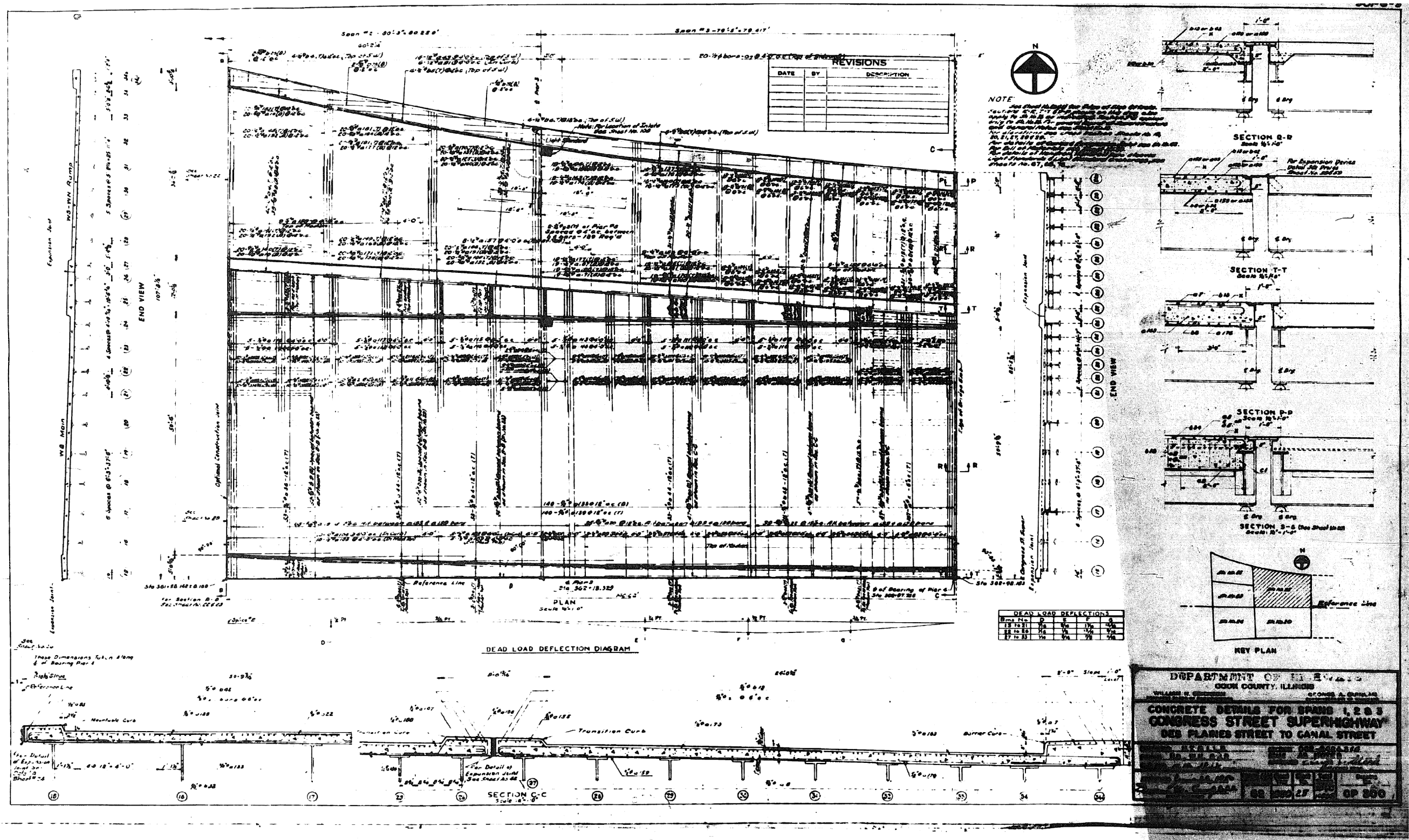
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

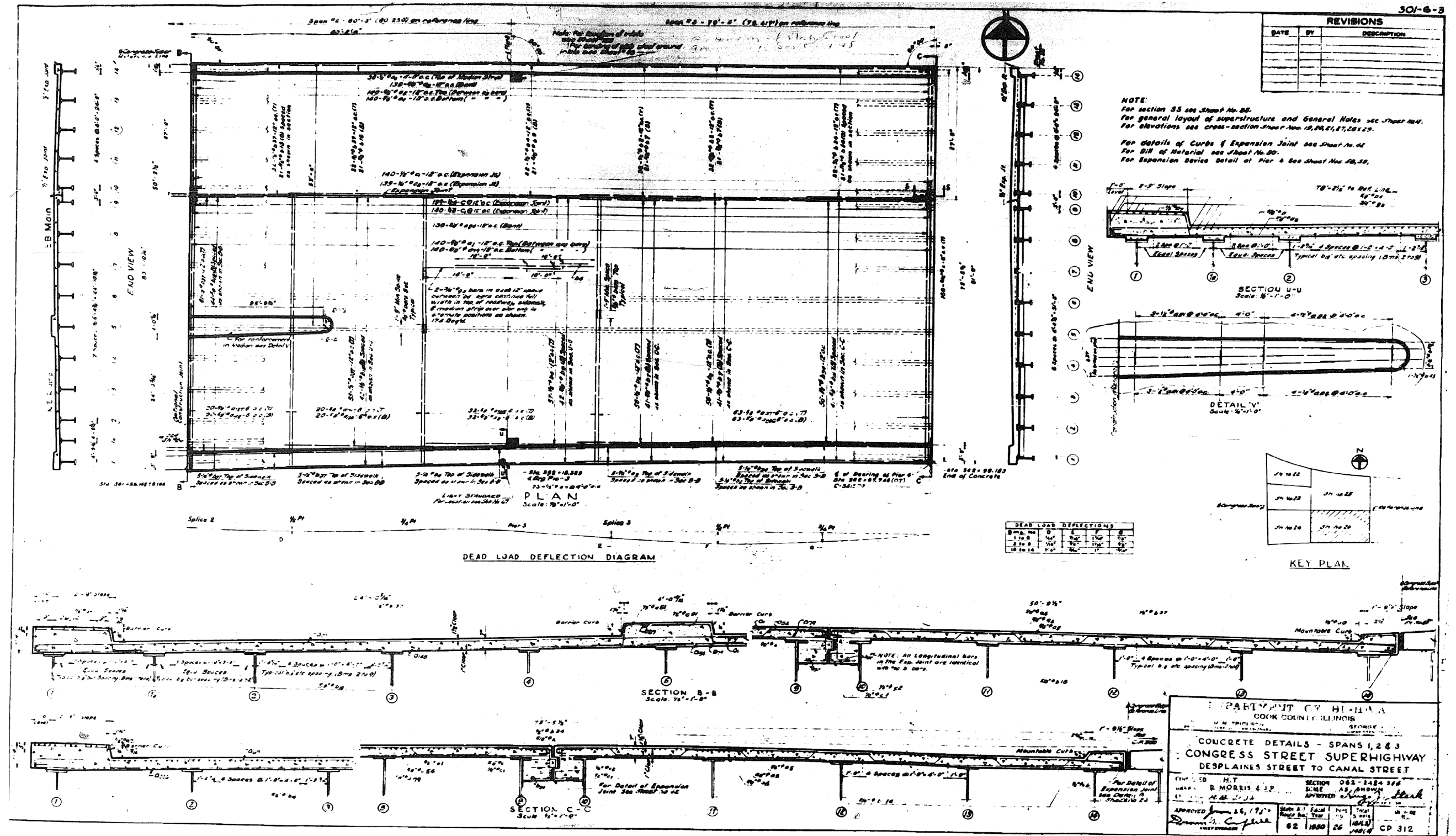
SHEET NO. 24 OF 194 SHEETS

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



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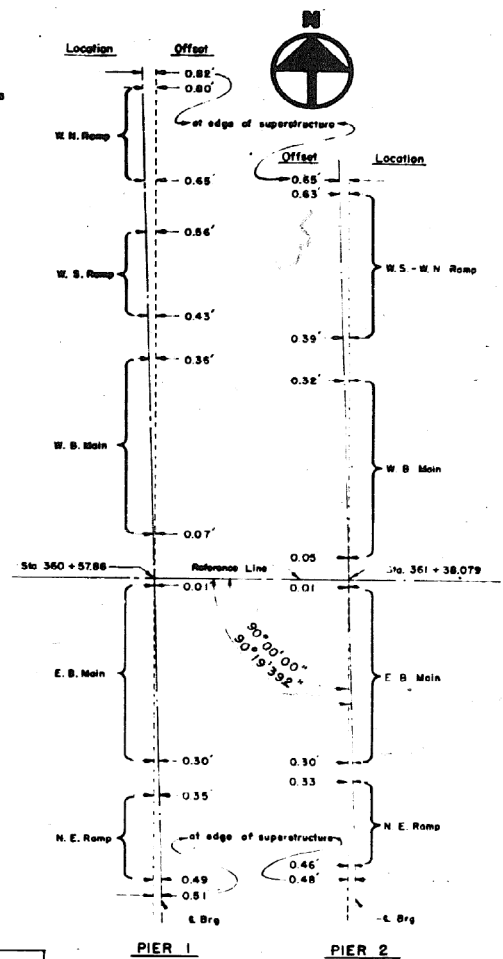
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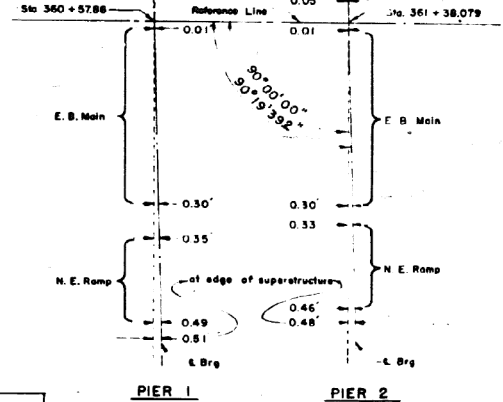
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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		

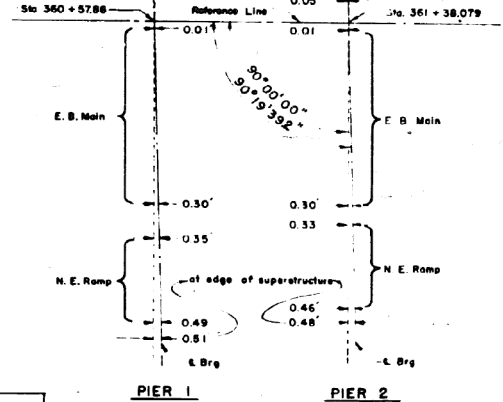
301-6-3



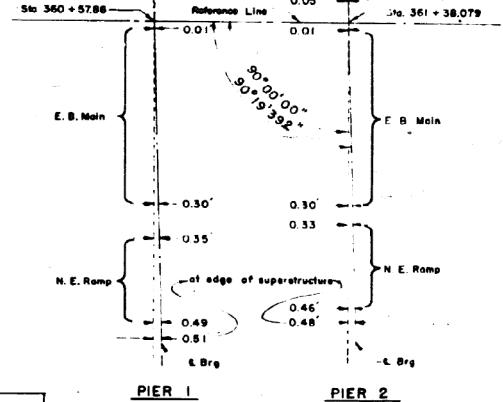
SECTION AT STA. 361+58.142 SPLICE # 2



SECTION AT STA. 361+78.204 MIDPOINT



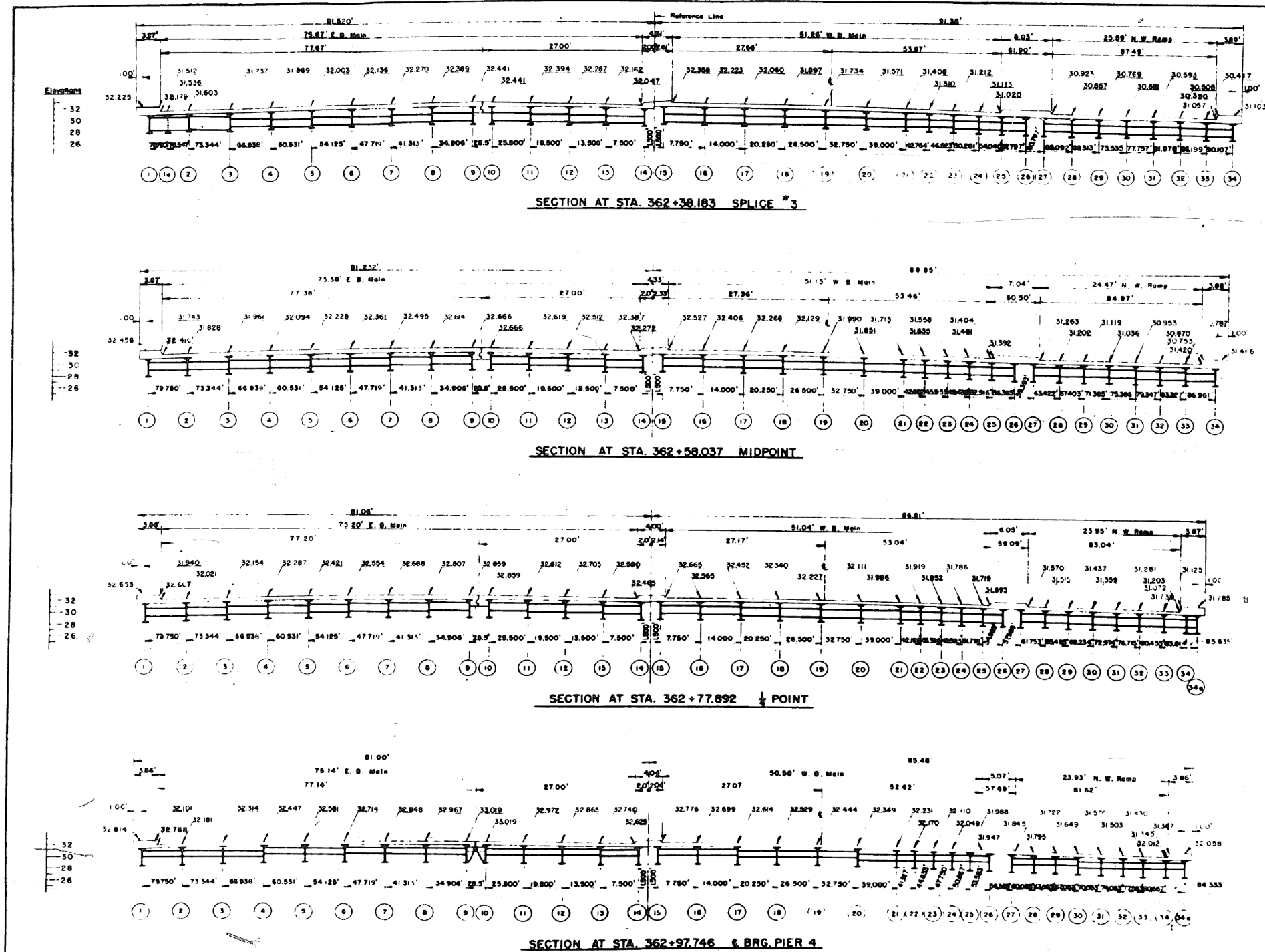
SECTION AT STA. 361+98.267 1/4 POINT

[illegible]SECTION AT STA. 362+18.329 & PIER² 3

SCHEMATIC PLAN
SHOWING OFFSETS FOR PIERS 1 & 2
All Offsets are measured parallel to Reference Line

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM N. ERICKSON CHIEF ENGINEER GEORGE A. DONLAN COUNTY CLERK					
CONCRETE DETAILS FOR SPANS 1, 2 & 3 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET					
COMPUTED L.L.R. S.H.T. D.A.V.N. G.A.K. S.B.R. CHECKED J.C.		SECTION 062-242438.4 SCALE 1" = 20' APPROVED <i>W. J. Stark</i> C.E.			
APPROVED <i>William N. Erickson</i> WILLIAM N. ERICKSON CHIEF ENGINEER	State and Federal Nos.	Fiscal Year	Sheet No.	Total Sheets (Net of 3) 1464/4	Drawing No. C. P. 315
62	1950	28			

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS	
COOK COUNTY, ILLINOIS	
WILLIAM N. FRANKLIN	
GEORGE A. OLNEY	
CONCRETE DETAILS FOR SPANS 1, 2 & 3	
CONGRESS STREET SUPERHIGHWAY	
DES PLAINES STREET TO CANAL STREET	
COMPUTED H. T. & L. L. R.	SECTION 062-24243 B 4
DRAWN R. B. & C. A. K.	SCALE 1/8" = 1'-0"
CHECKED R. B. & C. A. K.	APPROVED <i>[Signature]</i>
APPROVED <i>[Signature]</i>	DATE 6/2/90
DATE 6/2/90	NO. 29
NO. 29	148/14
148/14	C P 316

PARSONS
BRINCKERHOFF

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

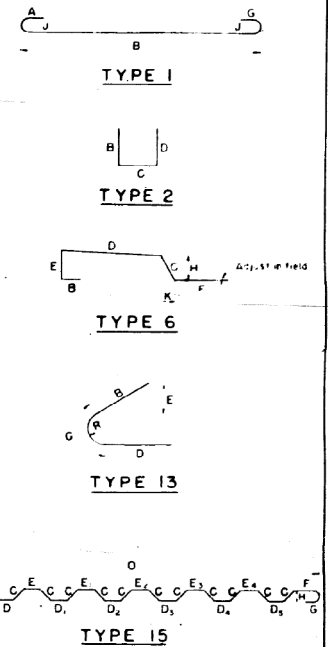
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

0160461-60X75-5174-EXT.dgn

301-6-3

[illegible][illegible]

BILL OF MATERIAL		
Class "X" Concrete	Cu Yds	1.20
Reinforcement Bars	Lbs	281.16

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM S. PETERSON, JR., Director 100 N. LAKE STREET, CHICAGO, ILL. 60601	
SUPERSTRUCTURE BILL OF MATERIAL & BAR SCHEDULE - SPANS 1, 2 & 3 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET	
COMPILED BY M. T. B. L. R. DRAWN BY R. O. M. CHECKED BY J. P. D.	PROJECT NO. 662-24243 8-4 SCALE 1" = 10'-0" APPR. BY <i>W. J. Clark</i> DATE <i>10-26-70</i> APPROVED BY <i>Wm. S. Peterson, Jr.</i> <i>Superintendent</i> 62 1950 30 (REV. 3) DIST. NO. 313

0160461-60X75-S176-EXT.dgn

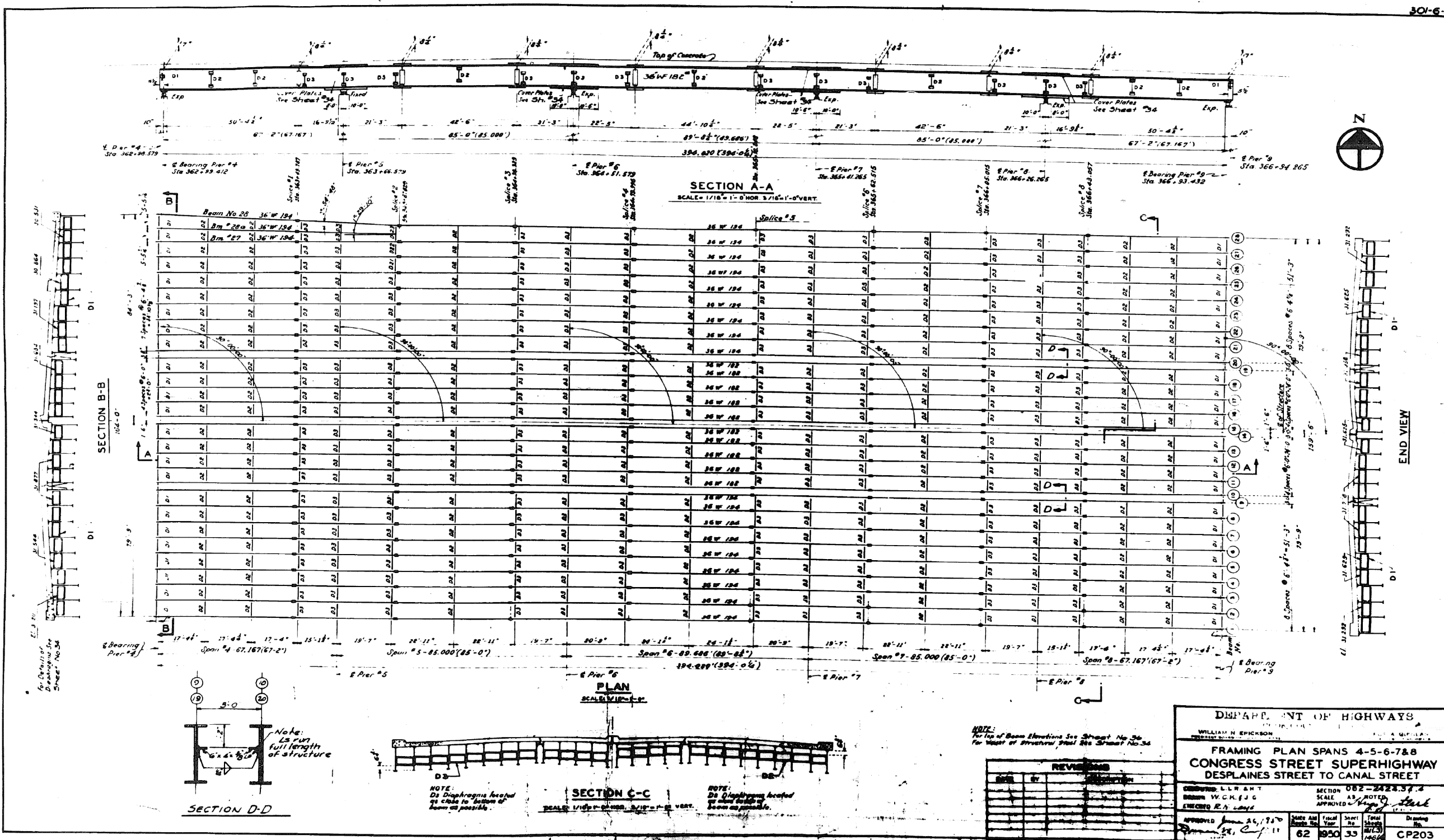


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

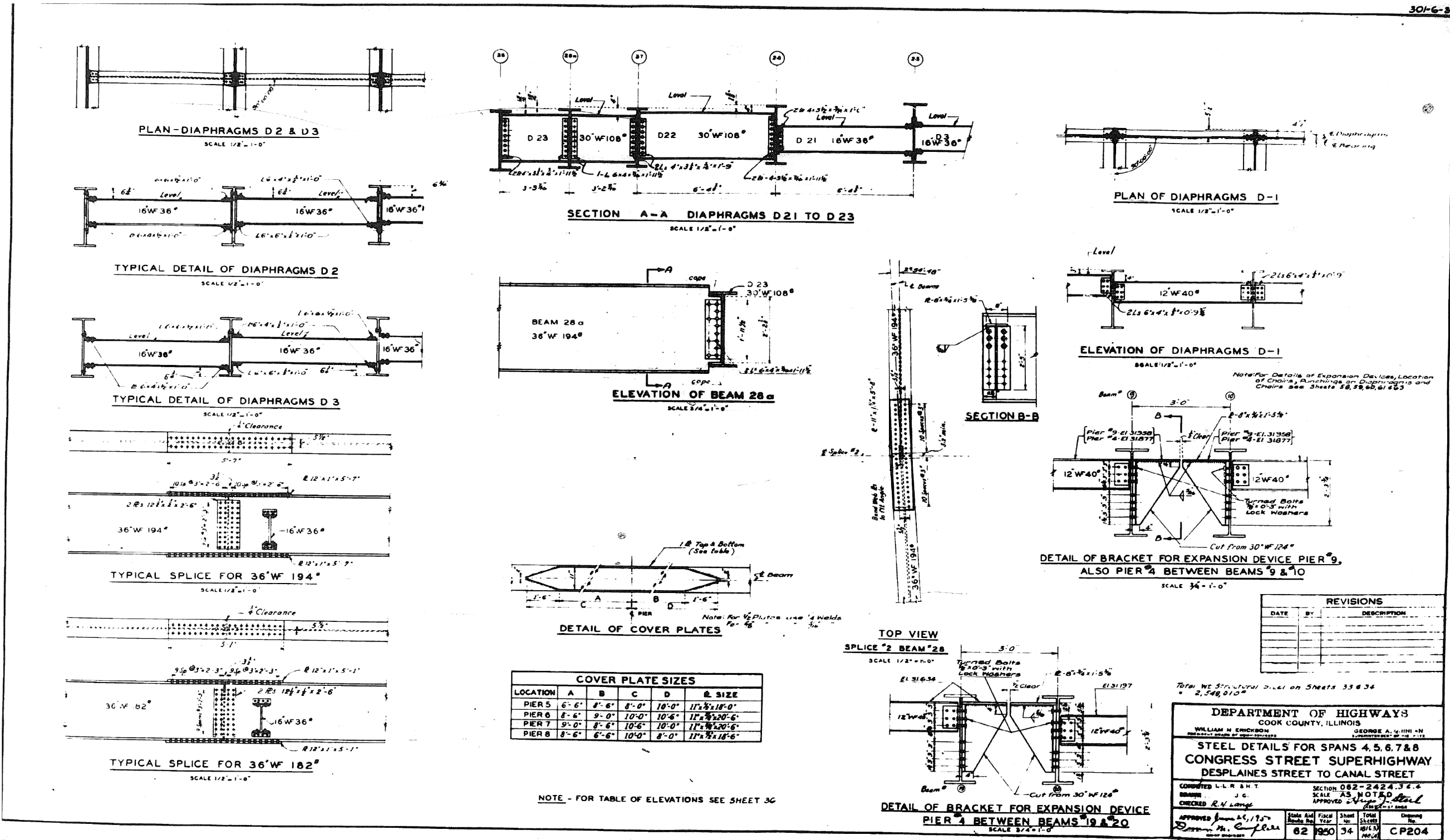
SHEET NO. 31 OF 194 SHEETS

ILLINOIS		FED. AID PROJECT
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FOR INFORMATION ONLY



FOR INFORMATION ONLY



0160461-60X75-5179-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 -

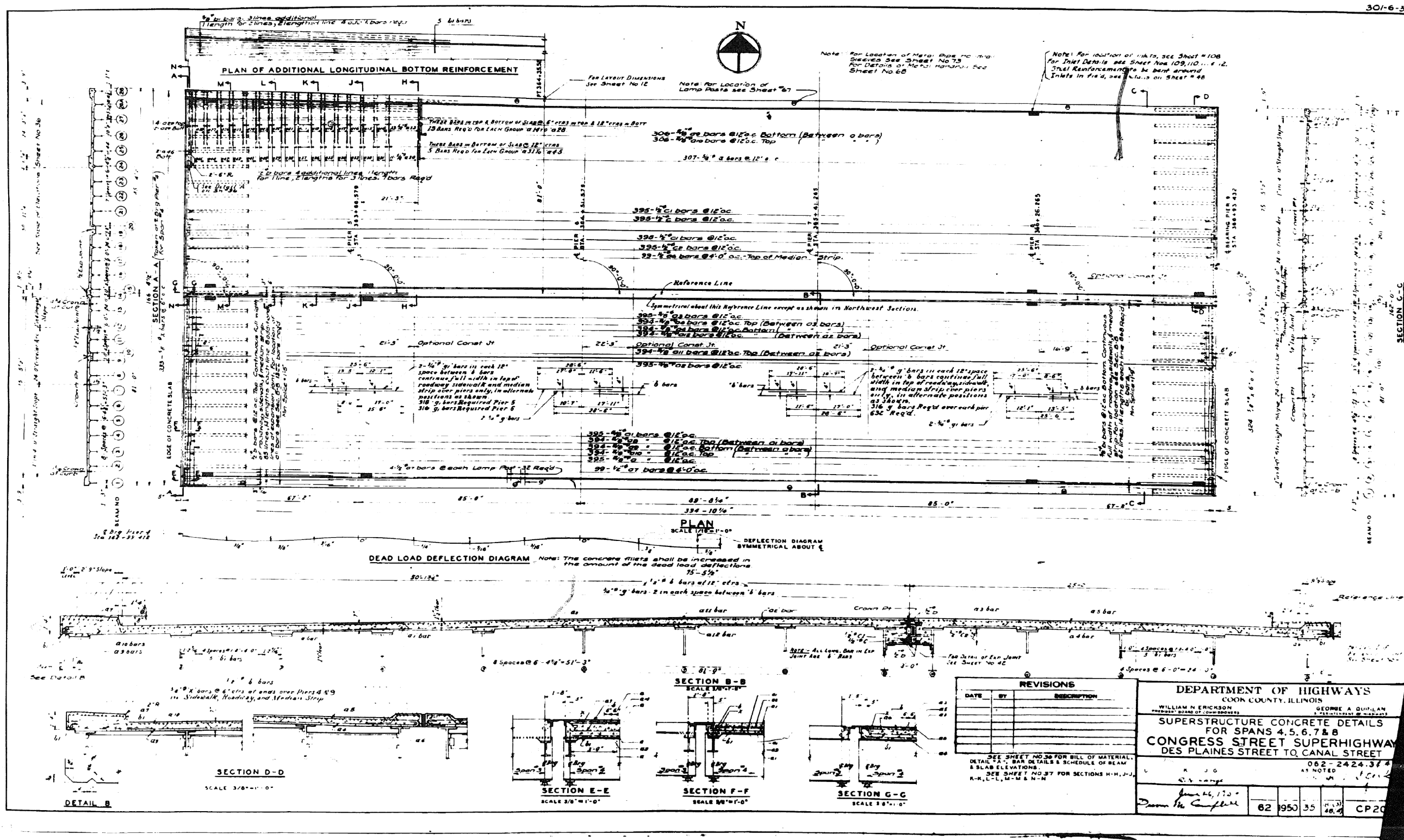
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 34 OF 194 SHEETS

F.A.I. RTE.	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



0160461-60X75-5180-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. 35 OF 194 SHEETS

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

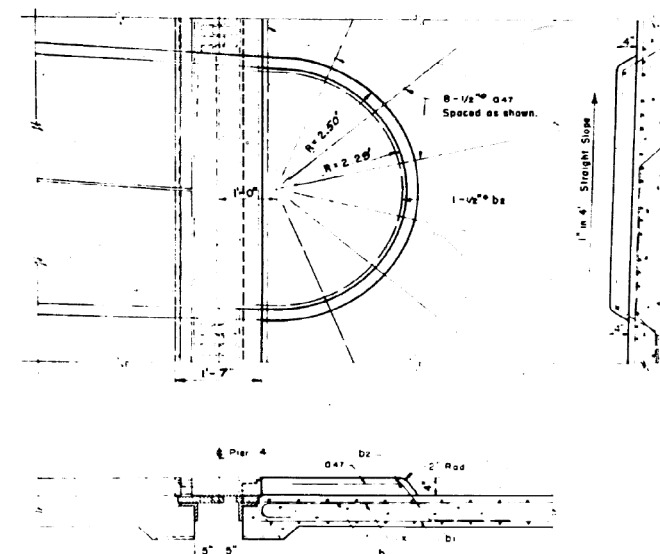
301-6-3

[illegible]

BAR SCHEDULE

Beam No.	Location	L. Brg. Per 4	1/4 Point	1/2 Point	L. Splice 1	L. Pier 5	L. Splice 2	1/4 Point	L. Splice 3	L. Pier 6	L. Splice 4	1/4 Point	L. Splice 5	L. Pier 7	L. Splice 6	1/4 Point	L. Splice 7	L. Pier 8	L. Splice 8	1/4 Point	L. Splice 9	L. Pier 9	L. Splice 10	1/4 Point	L. Splice 11	L. Pier 10	L. Splice 12	1/4 Point	L. Splice 13	L. Pier 11	L. Splice 14	1/4 Point	L. Splice 15	L. Pier 12	L. Splice 16	1/4 Point	L. Splice 17	L. Pier 13	L. Splice 18	1/4 Point	L. Splice 19	L. Pier 14	L. Splice 20	1/4 Point	L. Splice 21	L. Pier 15	L. Splice 22	1/4 Point	L. Splice 23	L. Pier 16	L. Splice 24	1/4 Point	L. Splice 25	L. Pier 17	L. Splice 26	1/4 Point	L. Splice 27	L. Pier 18	L. Splice 28	1/4 Point	L. Splice 29	L. Pier 19	L. Splice 30	1/4 Point	L. Splice 31	L. Pier 20	L. Splice 32	1/4 Point	L. Splice 33	L. Pier 21	L. Splice 34	1/4 Point	L. Splice 35	L. Pier 22	L. Splice 36	1/4 Point	L. Splice 37	L. Pier 23	L. Splice 38	1/4 Point	L. Splice 39	L. Pier 24	L. Splice 40	1/4 Point	L. Splice 41	L. Pier 25	L. Splice 42	1/4 Point	L. Splice 43	L. Pier 26	L. Splice 44	1/4 Point	L. Splice 45	L. Pier 27	L. Splice 46	1/4 Point	L. Splice 47	L. Pier 28	L. Splice 48	1/4 Point	L. Splice 49	L. Pier 29	L. Splice 50	1/4 Point	L. Splice 51	L. Pier 30	L. Splice 52	1/4 Point	L. Splice 53	L. Pier 31	L. Splice 54	1/4 Point	L. Splice 55	L. Pier 32	L. Splice 56	1/4 Point	L. Splice 57	L. Pier 33	L. Splice 58	1/4 Point	L. Splice 59	L. Pier 34	L. Splice 60	1/4 Point	L. Splice 61	L. Pier 35	L. Splice 62	1/4 Point	L. Splice 63	L. Pier 36	L. Splice 64	1/4 Point	L. Splice 65	L. Pier 37	L. Splice 66	1/4 Point	L. Splice 67	L. Pier 38	L. Splice 68	1/4 Point	L. Splice 69	L. Pier 39	L. Splice 70	1/4 Point	L. Splice 71	L. Pier 40	L. Splice 72	1/4 Point	L. Splice 73	L. Pier 41	L. Splice 74	1/4 Point	L. Splice 75	L. Pier 42	L. Splice 76	1/4 Point	L. Splice 77	L. Pier 43	L. Splice 78	1/4 Point	L. Splice 79	L. Pier 44	L. Splice 80	1/4 Point	L. Splice 81	L. Pier 45	L. Splice 82	1/4 Point	L. Splice 83	L. Pier 46	L. Splice 84	1/4 Point	L. Splice 85	L. Pier 47	L. Splice 86	1/4 Point	L. Splice 87	L. Pier 48	L. Splice 88	1/4 Point	L. Splice 89	L. Pier 49	L. Splice 90	1/4 Point	L. Splice 91	L. Pier 50	L. Splice 92	1/4 Point	L. Splice 93	L. Pier 51	L. Splice 94	1/4 Point	L. Splice 95	L. Pier 52	L. Splice 96	1/4 Point	L. Splice 97	L. Pier 53	L. Splice 98	1/4 Point	L. Splice 99	L. Pier 54	L. Splice 100	1/4 Point	L. Splice 101	L. Pier 55	L. Splice 102	1/4 Point	L. Splice 103	L. Pier 56	L. Splice 104	1/4 Point	L. Splice 105	L. Pier 57	L. Splice 106	1/4 Point	L. Splice 107	L. Pier 58	L. Splice 108	1/4 Point	L. Splice 109	L. Pier 59	L. Splice 110	1/4 Point	L. Splice 111	L. Pier 60	L. Splice 112	1/4 Point	L. Splice 113	L. Pier 61	L. Splice 114	1/4 Point	L. Splice 115	L. Pier 62	L. Splice 116	1/4 Point	L. Splice 117	L. Pier 63	L. Splice 118	1/4 Point	L. Splice 119	L. Pier 64	L. Splice 120	1/4 Point	L. Splice 121	L. Pier 65	L. Splice 122	1/4 Point	L. Splice 123	L. Pier 66	L. Splice 124	1/4 Point	L. Splice 125	L. Pier 67	L. Splice 126	1/4 Point	L. Splice 127	L. Pier 68	L. Splice 128	1/4 Point	L. Splice 129	L. Pier 69	L. Splice 130	1/4 Point	L. Splice 131	L. Pier 70	L. Splice 132	1/4 Point	L. Splice 133	L. Pier 71	L. Splice 134	1/4 Point	L. Splice 135	L. Pier 72	L. Splice 136	1/4 Point	L. Splice 137	L. Pier 73	L. Splice 138	1/4 Point	L. Splice 139	L. Pier 74	L. Splice 140	1/4 Point	L. Splice 141	L. Pier 75	L. Splice 142	1/4 Point	L. Splice 143	L. Pier 76	L. Splice 144	1/4 Point	L. Splice 145	L. Pier 77	L. Splice 146	1/4 Point	L. Splice 147	L. Pier 78	L. Splice 148	1/4 Point	L. Splice 149	L. Pier 79	L. Splice 150	1/4 Point	L. Splice 151	L. Pier 80	L. Splice 152	1/4 Point	L. Splice 153	L. Pier 81	L. Splice 154	1/4 Point	L. Splice 155	L. Pier 82	L. Splice 156	1/4 Point	L. Splice 157	L. Pier 83	L. Splice 158	1/4 Point	L. Splice 159	L. Pier 84	L. Splice 160	1/4 Point	L. Splice 161	L. Pier 85	L. Splice 162	1/4 Point	L. Splice 163	L. Pier 86	L. Splice 164	1/4 Point	L. Splice 165	L. Pier 87	L. Splice 166	1/4 Point	L. Splice 167	L. Pier 88	L. Splice 168	1/4 Point	L. Splice 169	L. Pier 89	L. Splice 170	1/4 Point	L. Splice 171	L. Pier 90	L. Splice 172	1/4 Point	L. Splice 173	L. Pier 91	L. Splice 174	1/4 Point	L. Splice 175	L. Pier 92	L. Splice 176	1/4 Point	L. Splice 177	L. Pier 93	L. Splice 178	1/4 Point	L. Splice 179	L. Pier 94	L. Splice 180	1/4 Point	L. Splice 181	L. Pier 95	L. Splice 182	1/4 Point	L. Splice 183	L. Pier 96	L. Splice 184	1/4 Point	L. Splice 185	L. Pier 97	L. Splice 186	1/4 Point	L. Splice 187	L. Pier 98	L. Splice 188	1/4 Point	L. Splice 189	L. Pier 99	L. Splice 190	1/4 Point	L. Splice 191	L. Pier 100	L. Splice 192	1/4 Point	L. Splice 193	L. Pier 101	L
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ELEVATIONS TOP OF BEAMS & TOP OF CONCRETE



DETAIL "A"
Scale 3/4" = 1' - 0"

BILL OF MATERIAL

Glass "X" Concrete	16329	Cu Yds.
Reinforcement Bars	300.710	Lbs.

REVISIONS		
DATE	BY	DESCRIPTION

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

COMPUTED L.L.R. B.W.K. 302-2424.344
 DRAWN G.A.K. 40 NOTED
 CHECKED R.N. Lange Mark
 APPROVED *[Signature]* 25/350
[Signature] m. C. P. H. 62 1950 36 18(13) 10/26/50 C.P. 206

**PARSONS
BRINCKERHOFF**

USER NAME =	pateld
PLOT SCALE =	N.T.S.
PLOT DATE =	5/8/20

DESIGNED	-	
CHECKED	-	
DRAWN	-	DCP
CHECKED	-	JIG

REVISED	-
REVISED	-
REVISED	-
REVISED	-

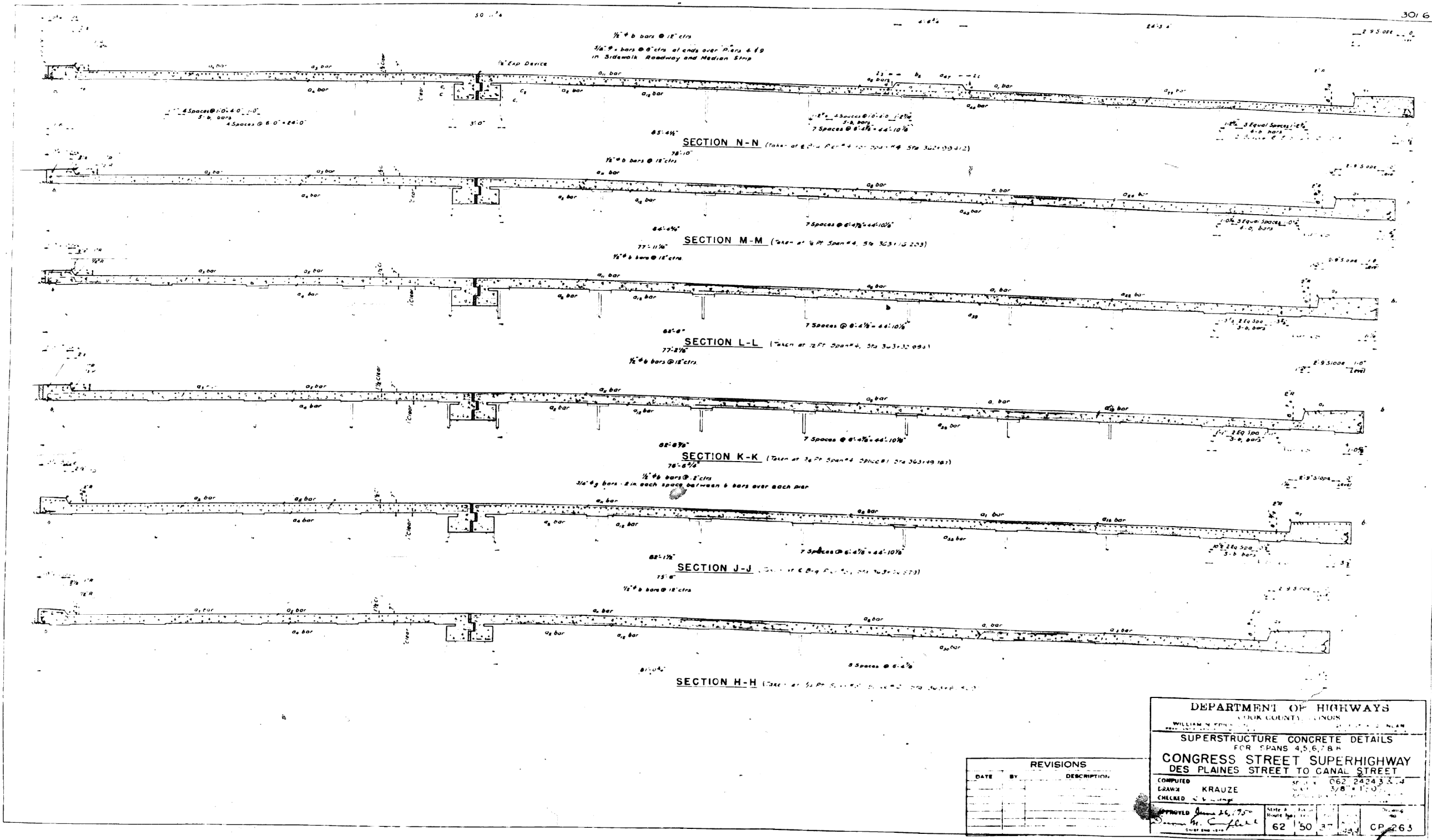
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 36 OF 194 SHEETS

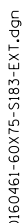
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	465
		CONTRACT NO. 60X75		
		ILLINOIS FED. AID PROJECT		

FOR INFORMATION ONLY

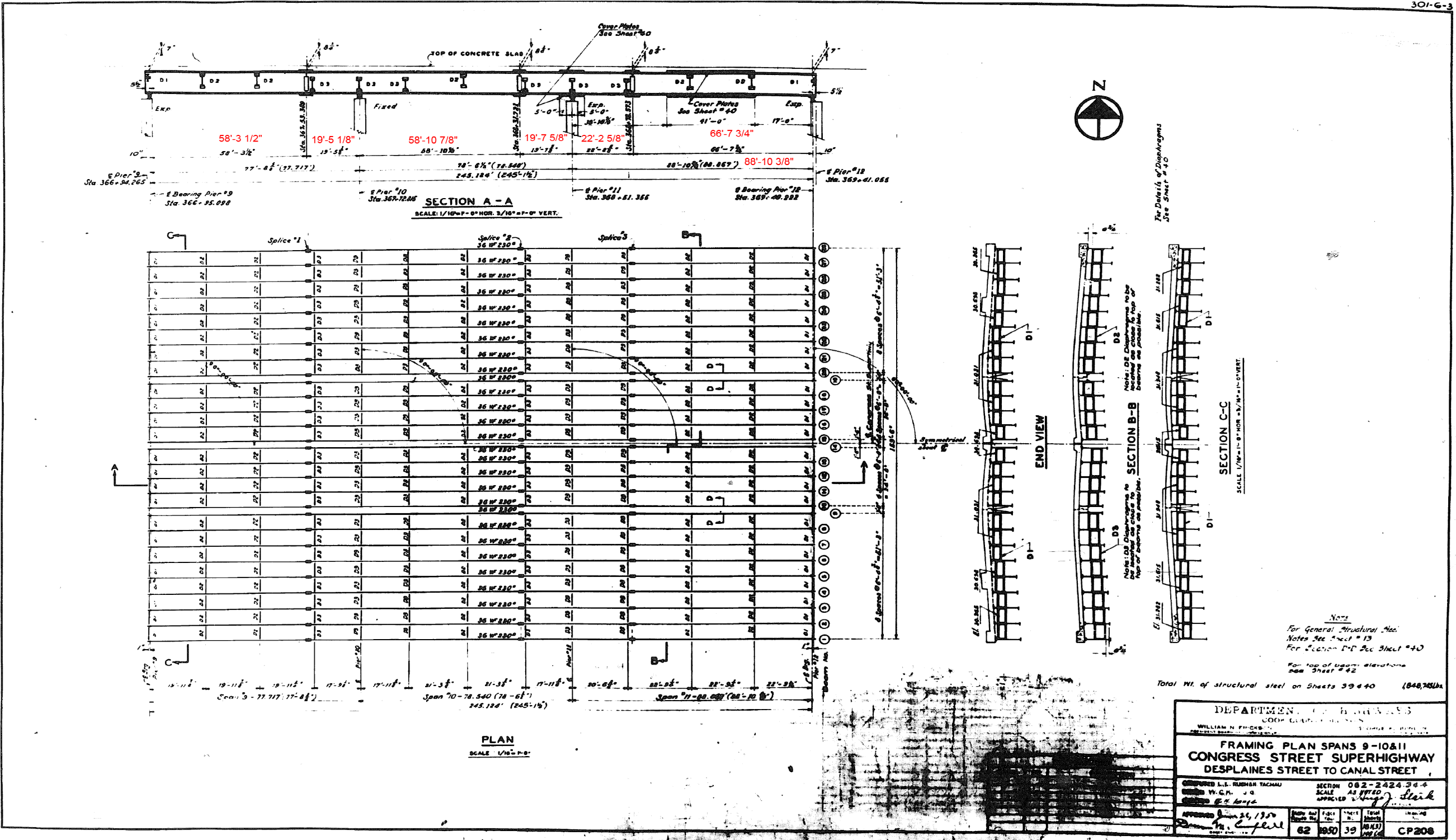


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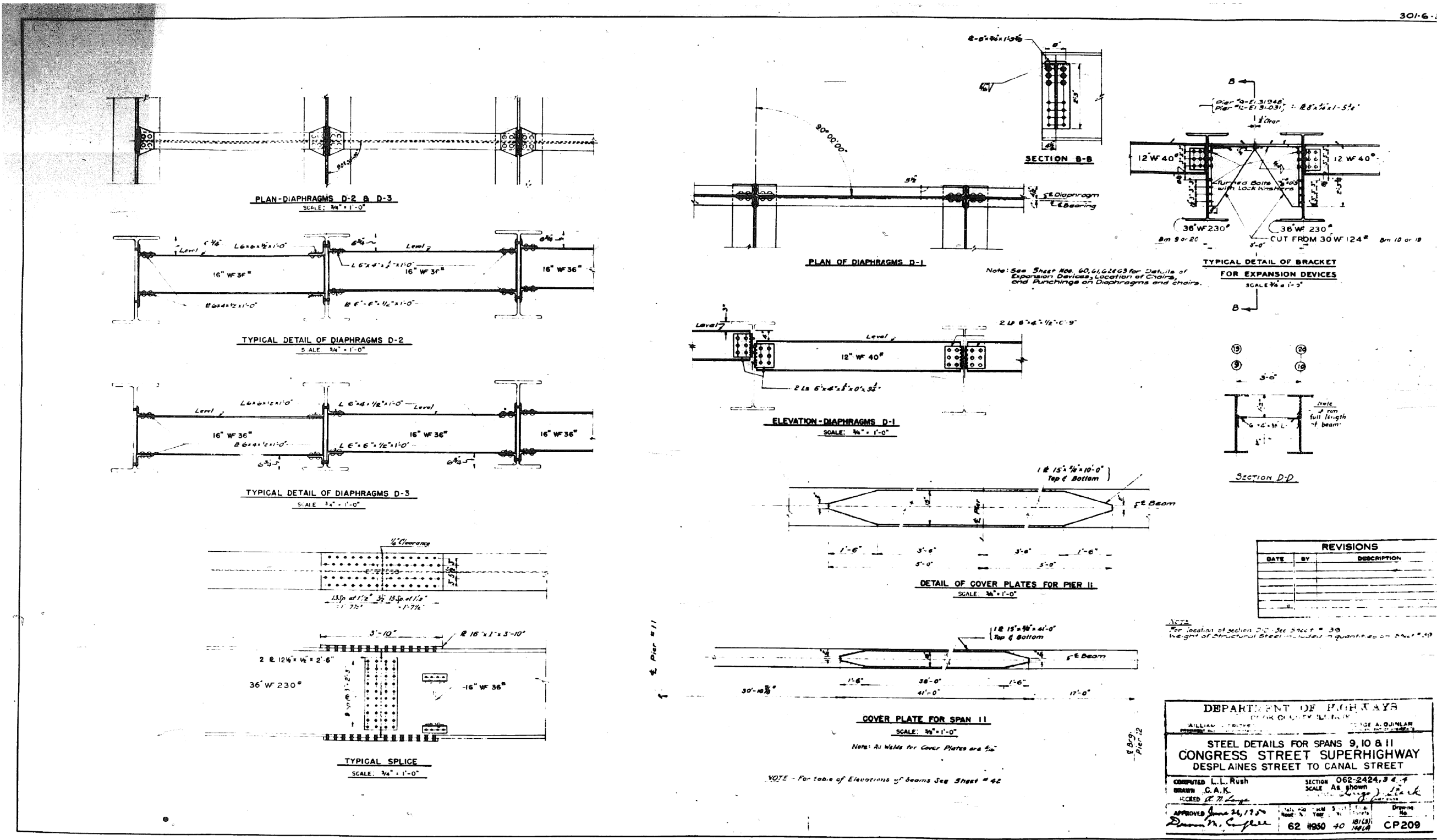
301-6-3



FOR INFORMATION ONLY



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0160461-60X75-5185-EXT.dgn

0160461-60X75-S186-EXT.dgn

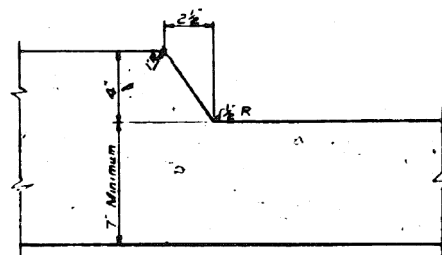


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

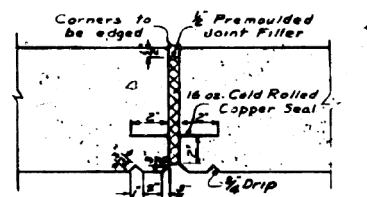
SHEET NO. 41 OF 194 SHEETS

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		

301-6-3

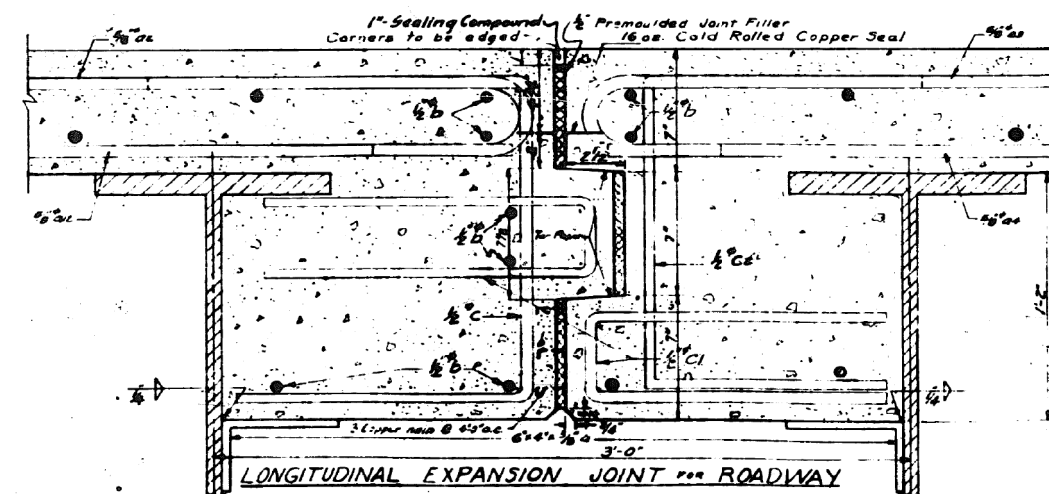
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Scale 3" = 1'-0"



DETAIL - $\frac{1}{2}$ " EXPANSION JOINT

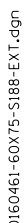
DETAIL of BARRIER CURB
Scale: 3"=1'-0"



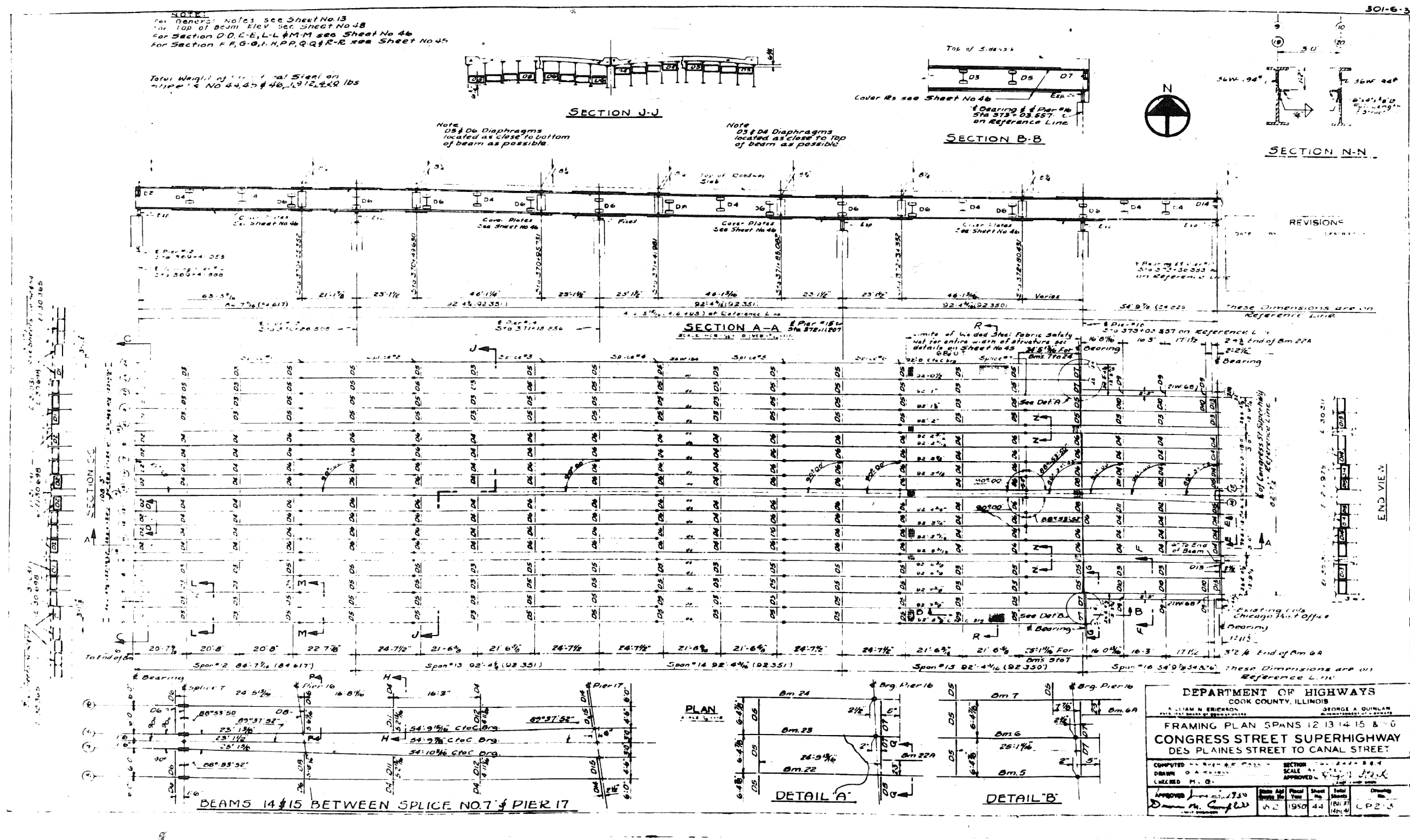
LONGITUDINAL EXPANSION JOINT FOR ROADWAY

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS			
W. L. LIAM N. ERICKSON DISTRICT ENGINEER OF COOK COUNTY		GEORGE A. QUINLAN PLANS ENGINEER OF COOK COUNTY	
SUPERSTRUCTURE CONCRETE DETAILS FOR SPANS 9, 10 & 11			
CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET			
CONTRACT NO. 2423 S & A AS NOTED BY THE A. ROYCE & SONS, INC.		DATE JAN 1950	
APPROVED [Signature]		DATE JAN 1950	
Station 1950	Aids 42	Sheet 154/9	Total 154/9
Drawing CP 211		Drawing CP 211	

301-6-3



FOR INFORMATION ONLY



0160461-60X75-5189-EXT.dgn

**PARSONS
BRINCKERHOFF**

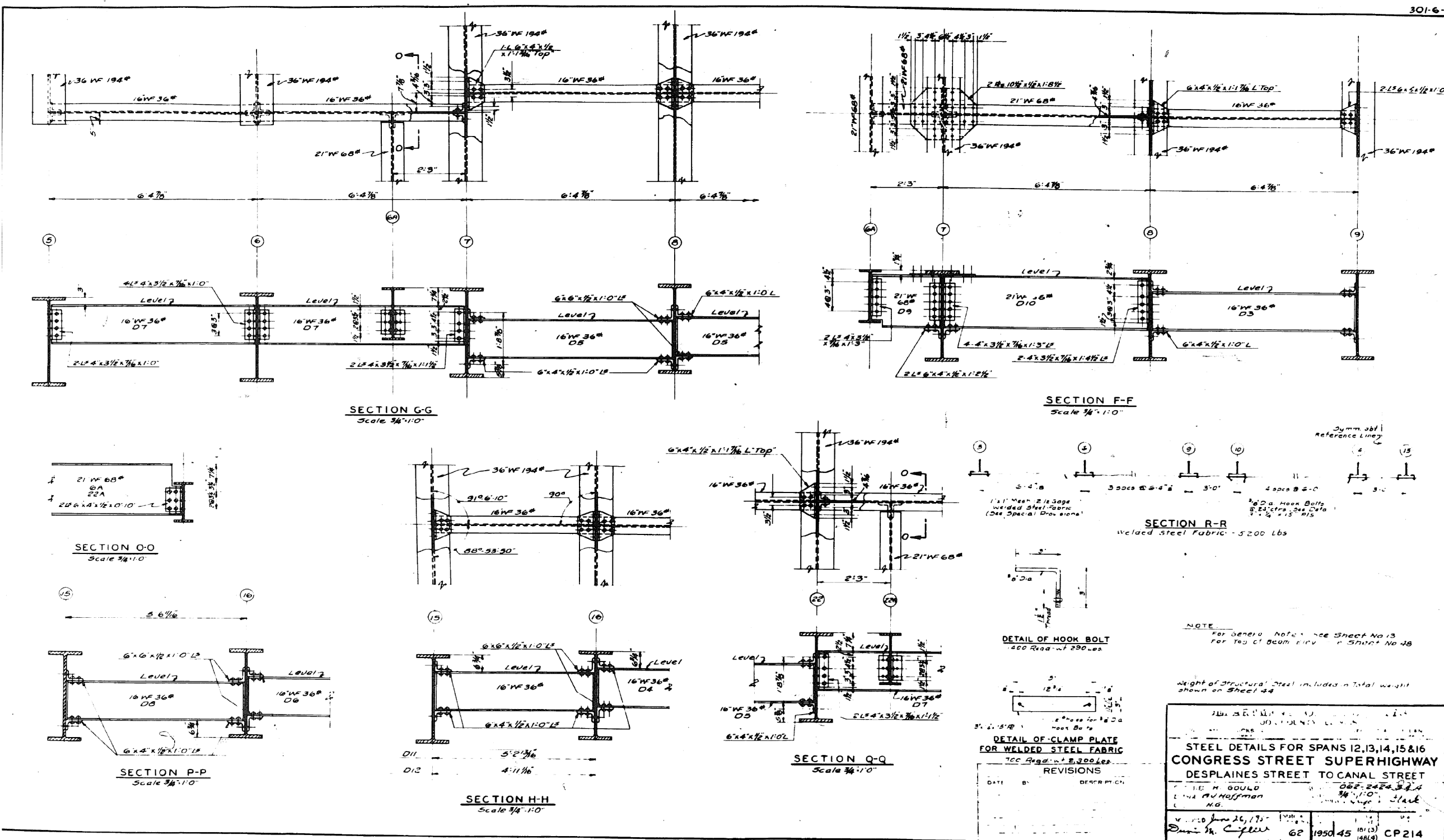
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 5/8/2017	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

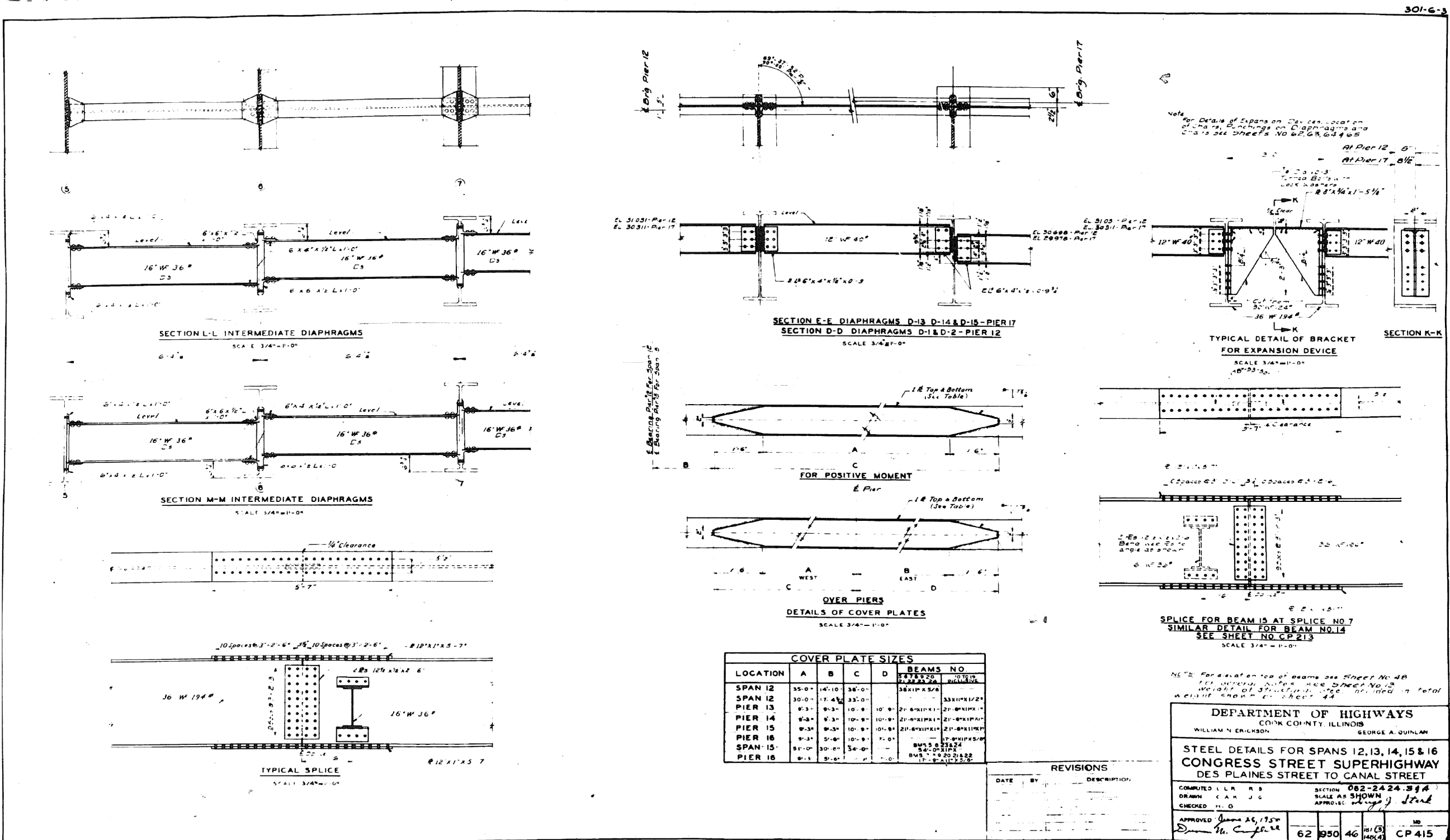
SHEET NO. 44 OF 194 SHEETS

FOR INFORMATION ONLY



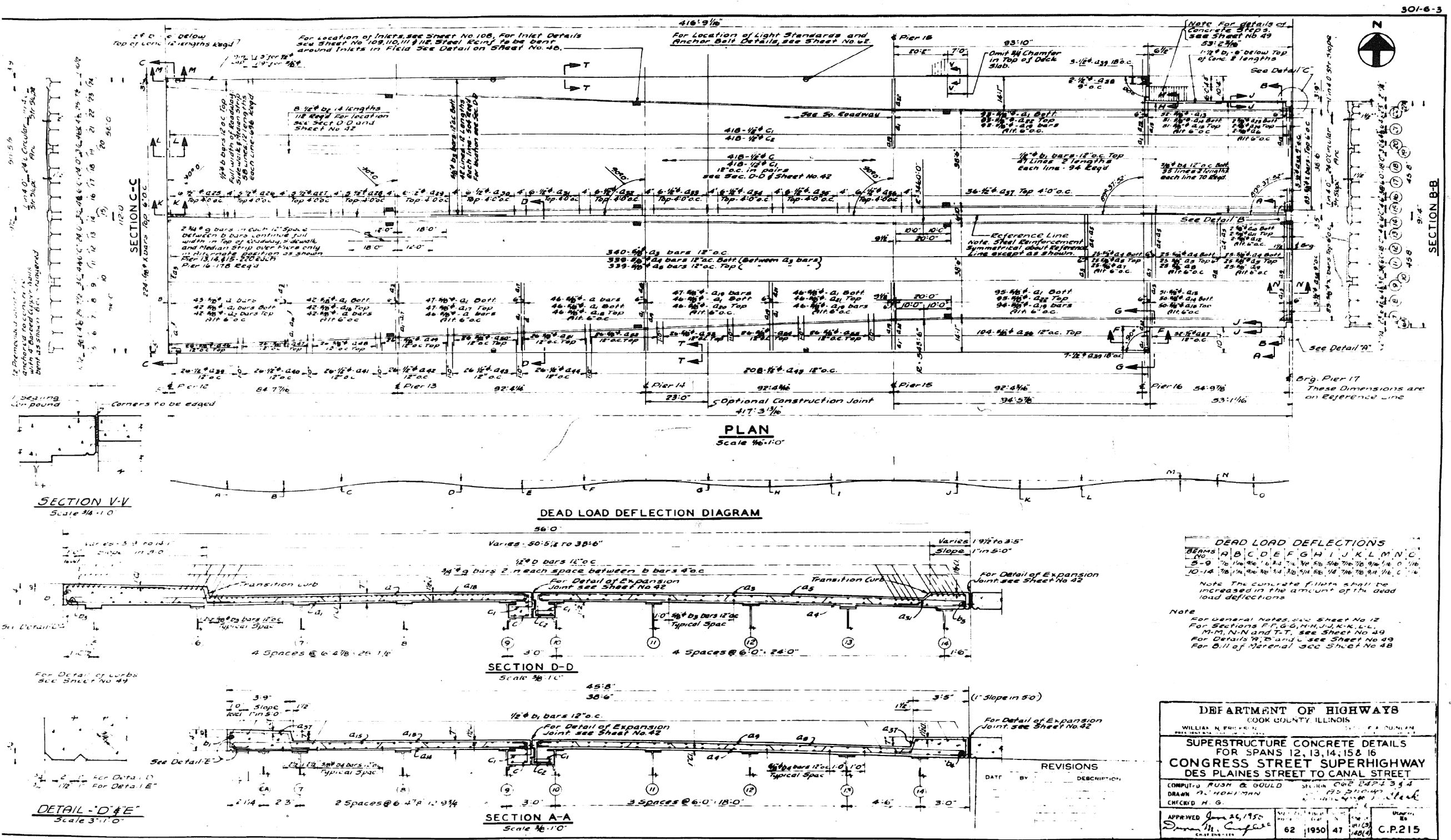
0160461-60X75-5190-EXT.dgn

FOR INFORMATION ONLY



0160461-60X75-5191-EXT.dgn

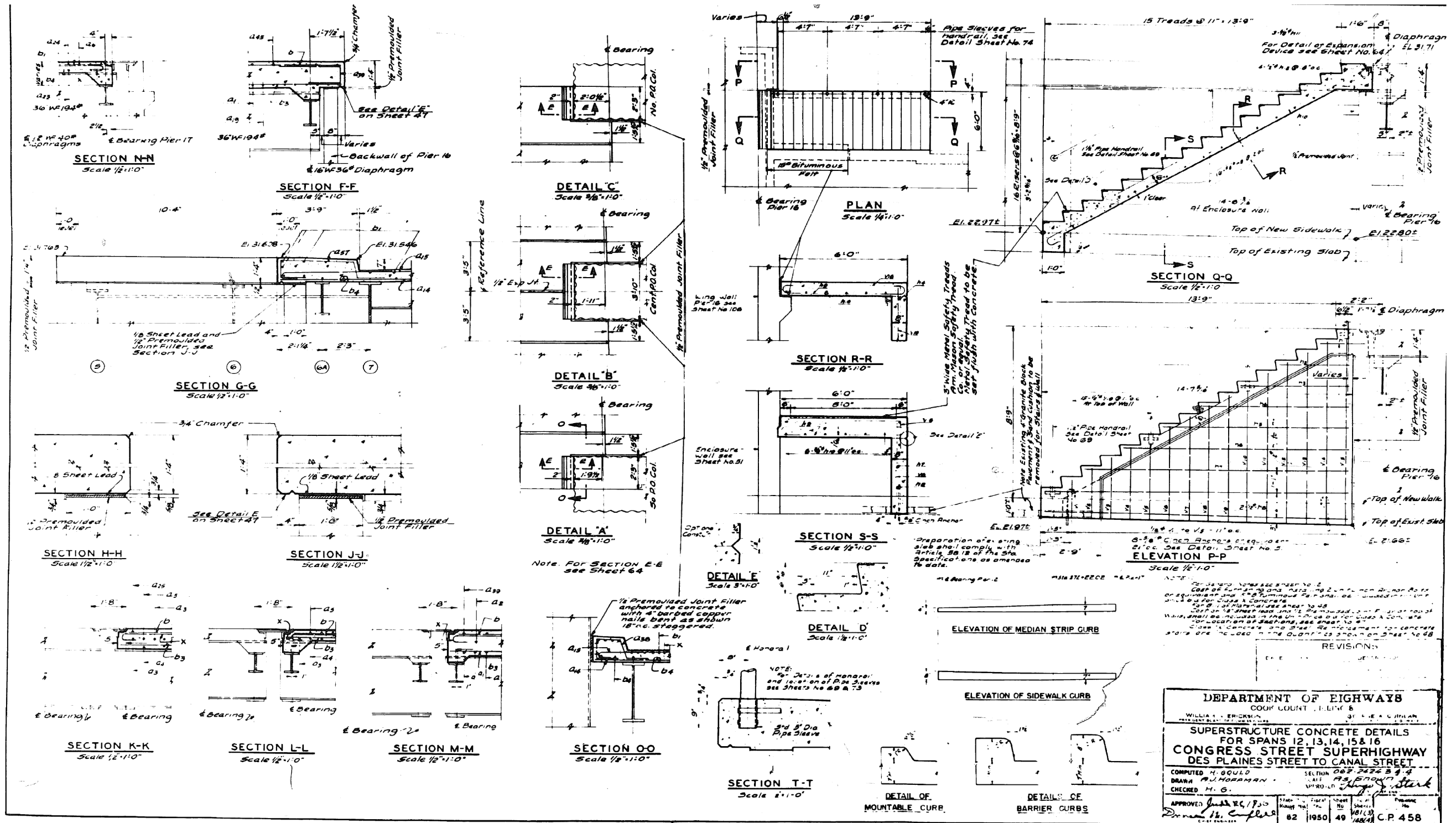
FOR INFORMATION ONLY



0160461-60X75-S193-EXT.dgn

[illegible]

FOR INFORMATION ONLY



**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

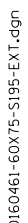
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 49 OF 194 SHEETS

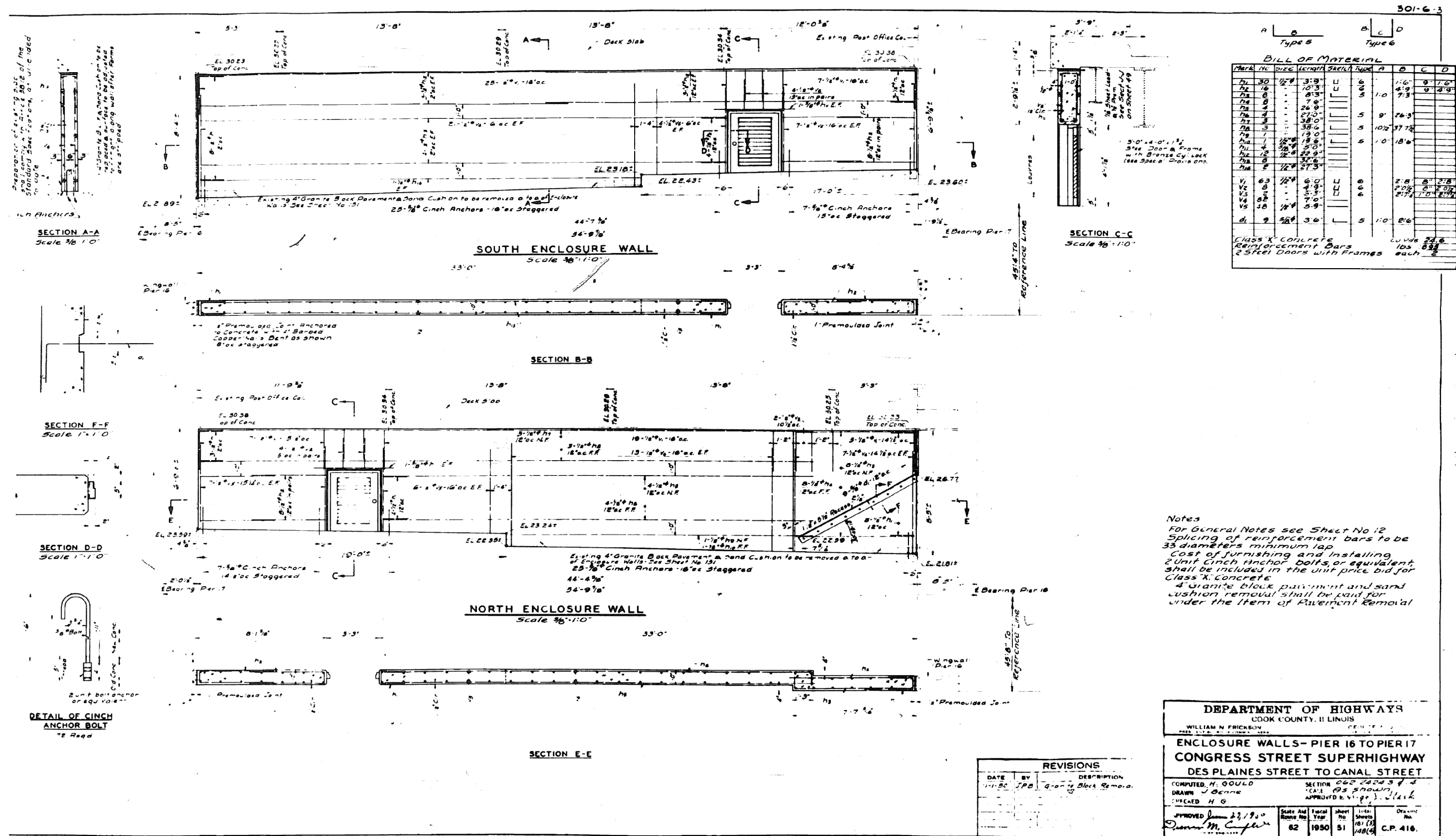
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	478
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

0160461-60X75-5194-EXT.dgn

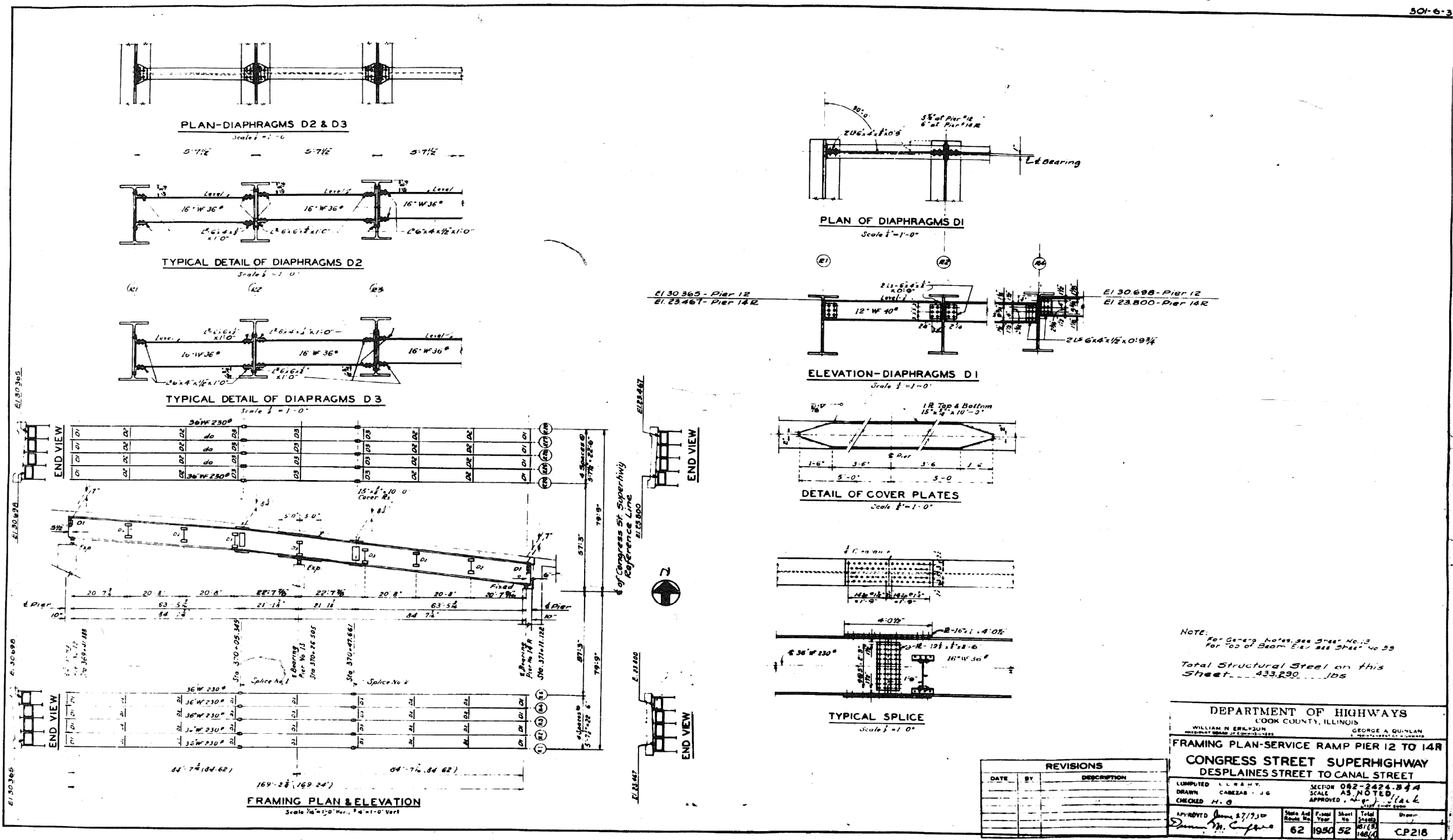
301-6



FOR INFORMATION ONLY



FOR INFORMATION ONLY



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				

0160461-60X75-S198-EXT.dgn



USER NAME =	pateld
PLOT SCALE =	N.T.S.
PLOT DATE =	5/8/20

DESIGNED	-	
CHECKED	-	
DRAWN	-	DO
CHECKED	-	JL

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

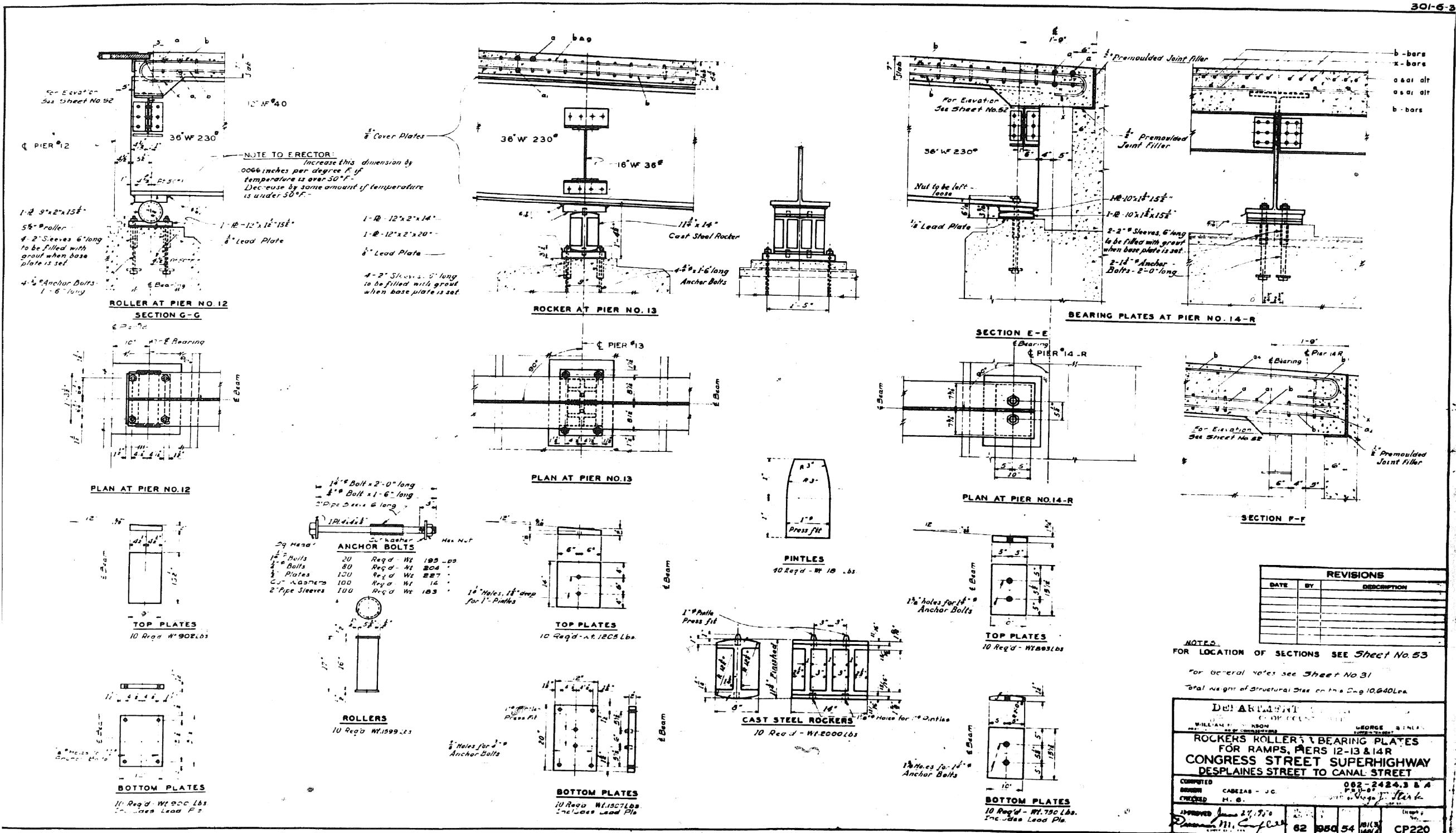
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 53 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	482
		CONTRACT NO. 60X75		
		ILLINOIS FED. AID PROJECT		

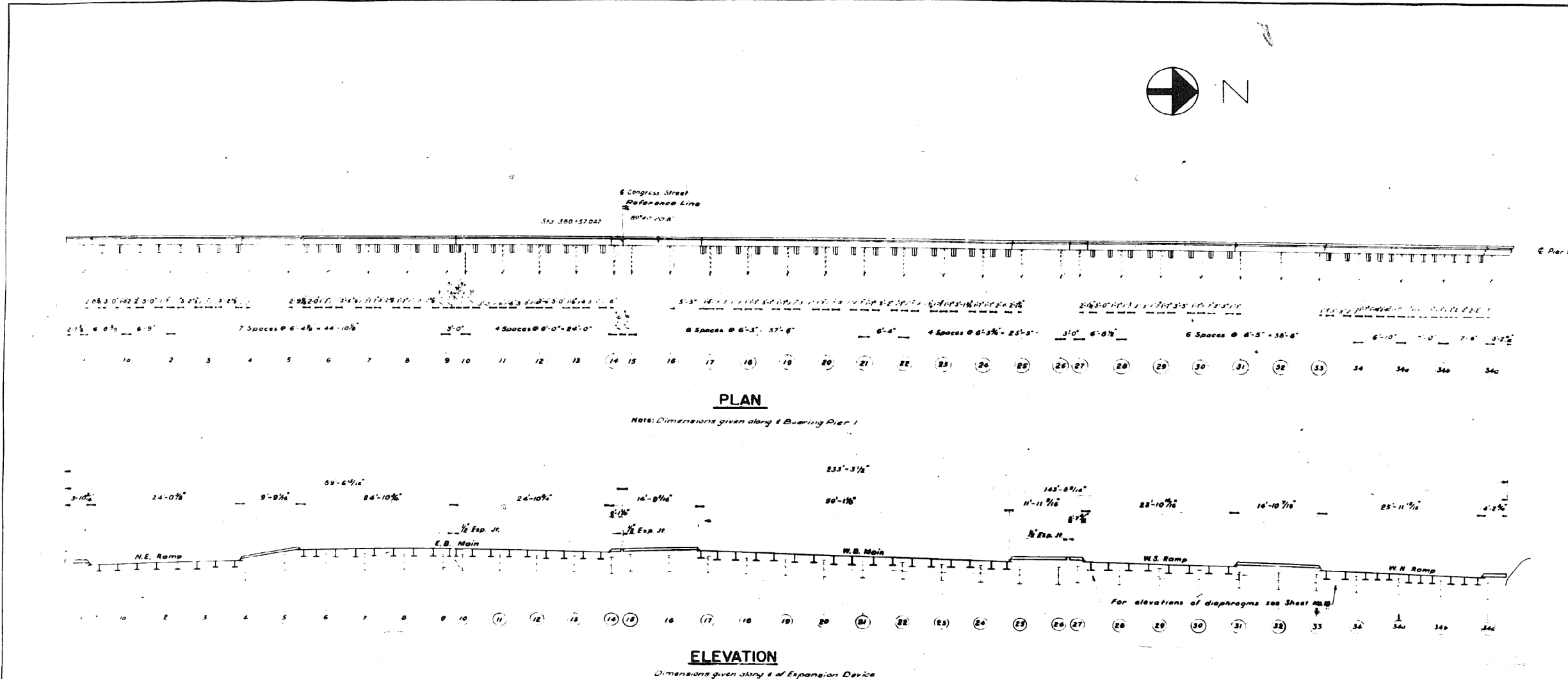
DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

FOR INFORMATION ONLY



FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS			
COOK COUNTY, ILLINOIS			
WILLIAM H. BRINCKERHOFF		GEORGE A. GARDNER	
EXPANSION DEVICE AT PIER I			
CONGRESS STREET SUPERHIGHWAY			
DESPLAINES STREET TO CANAL STREET			
COMPUTED BY H. H. BRINCKERHOFF		SECTION 062-2424.3 B.4	
DRAWN BY H. H. BRINCKERHOFF		SCALE 1/8"=1'-0"	
CHECKED BY H. H. BRINCKERHOFF		APPROVED BY H. H. BRINCKERHOFF	
DESIGNED BY H. H. BRINCKERHOFF		DATE 6/2/55	
PROJECT NO. 62-1950		SHEET NO. 55	
CONTRACT NO. 60X75		CP 425	

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

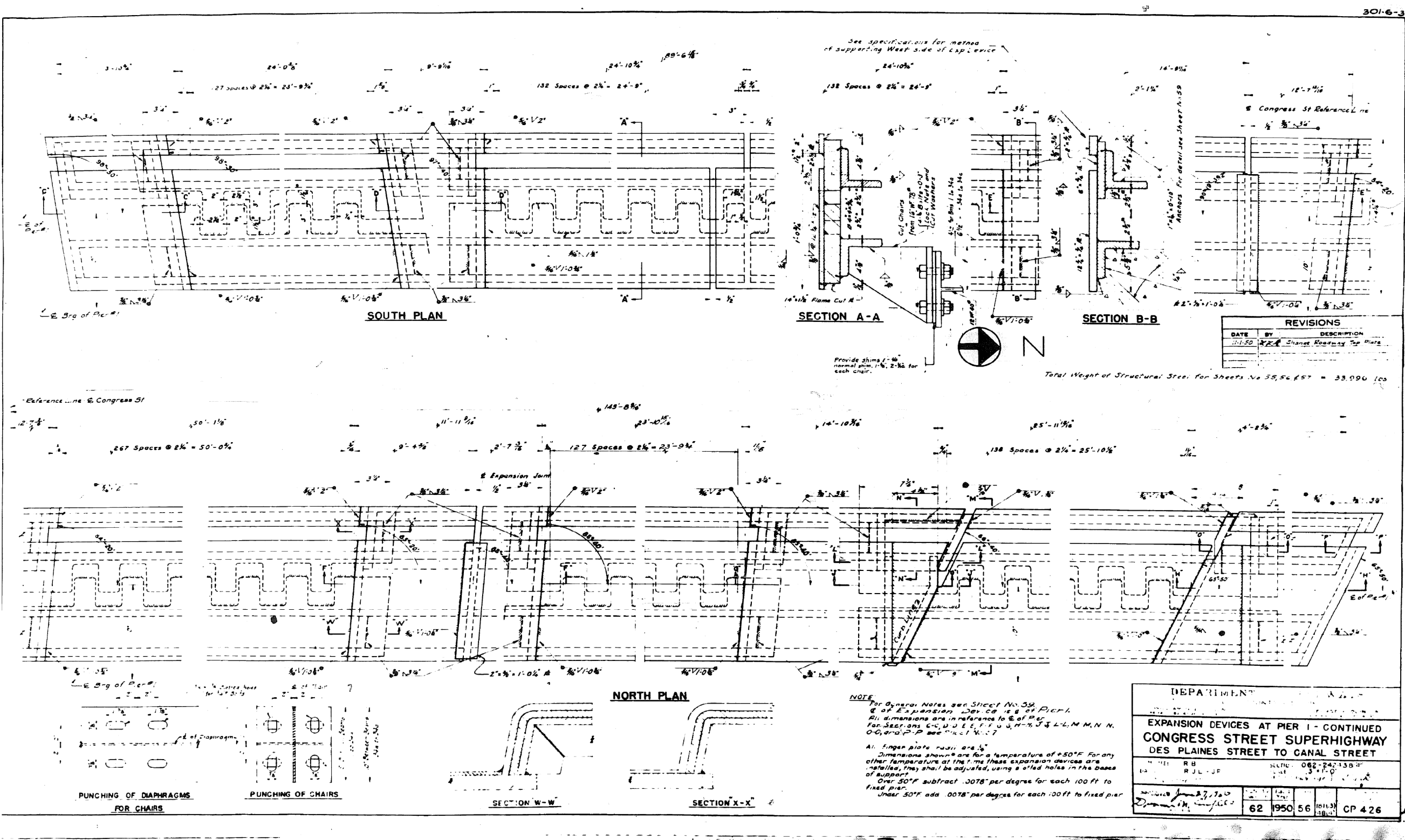
EXISTING PLANS
STRUCTURE NO. 016-0461

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				

0160461-60X75-S200-EXT.dgn

FOR INFORMATION ONLY



0160461-60X75-5201-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 -

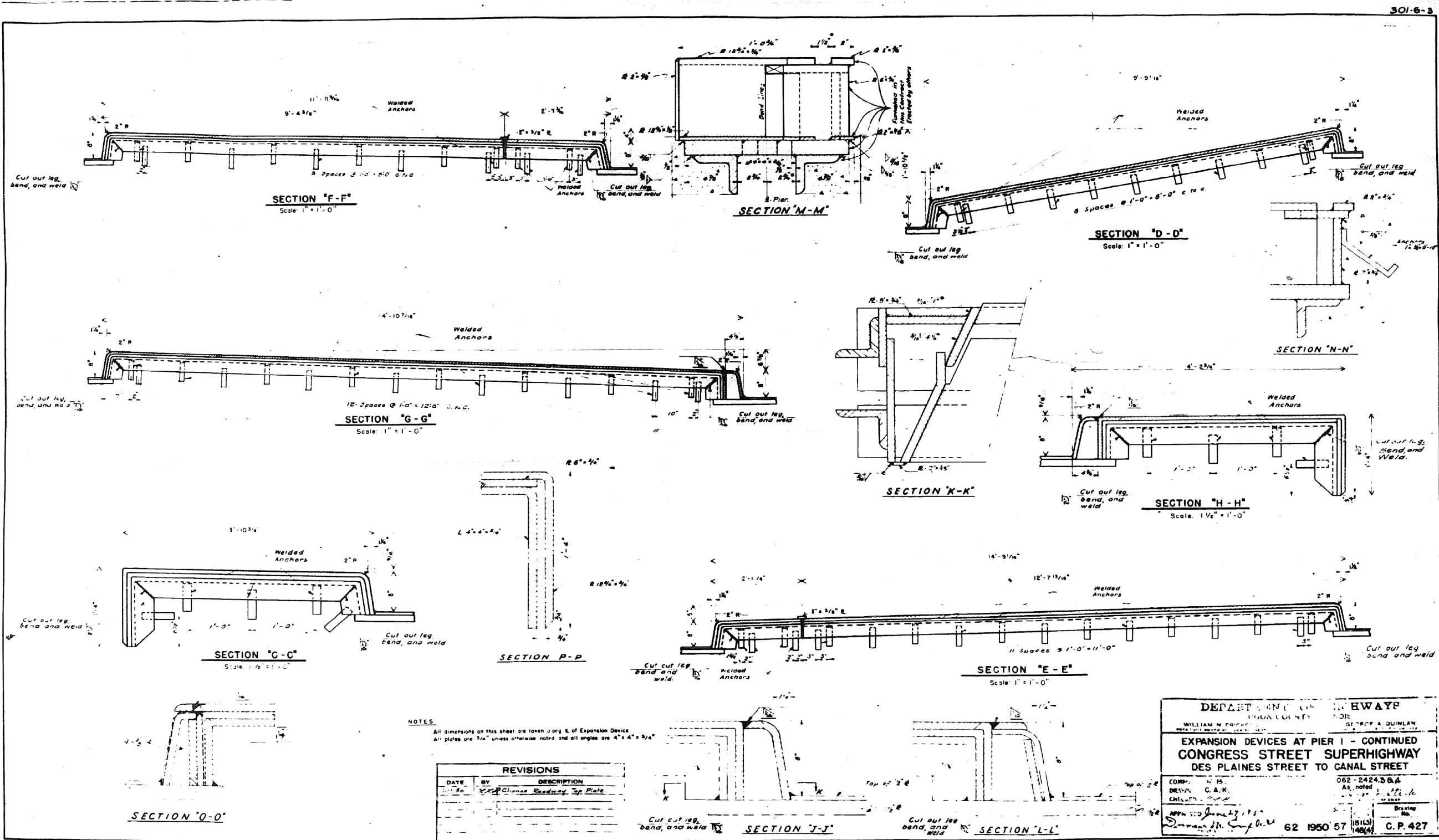
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 56 OF 194 SHEETS

F.A.I. RTE.	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



0160461-60X75-S202-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 -

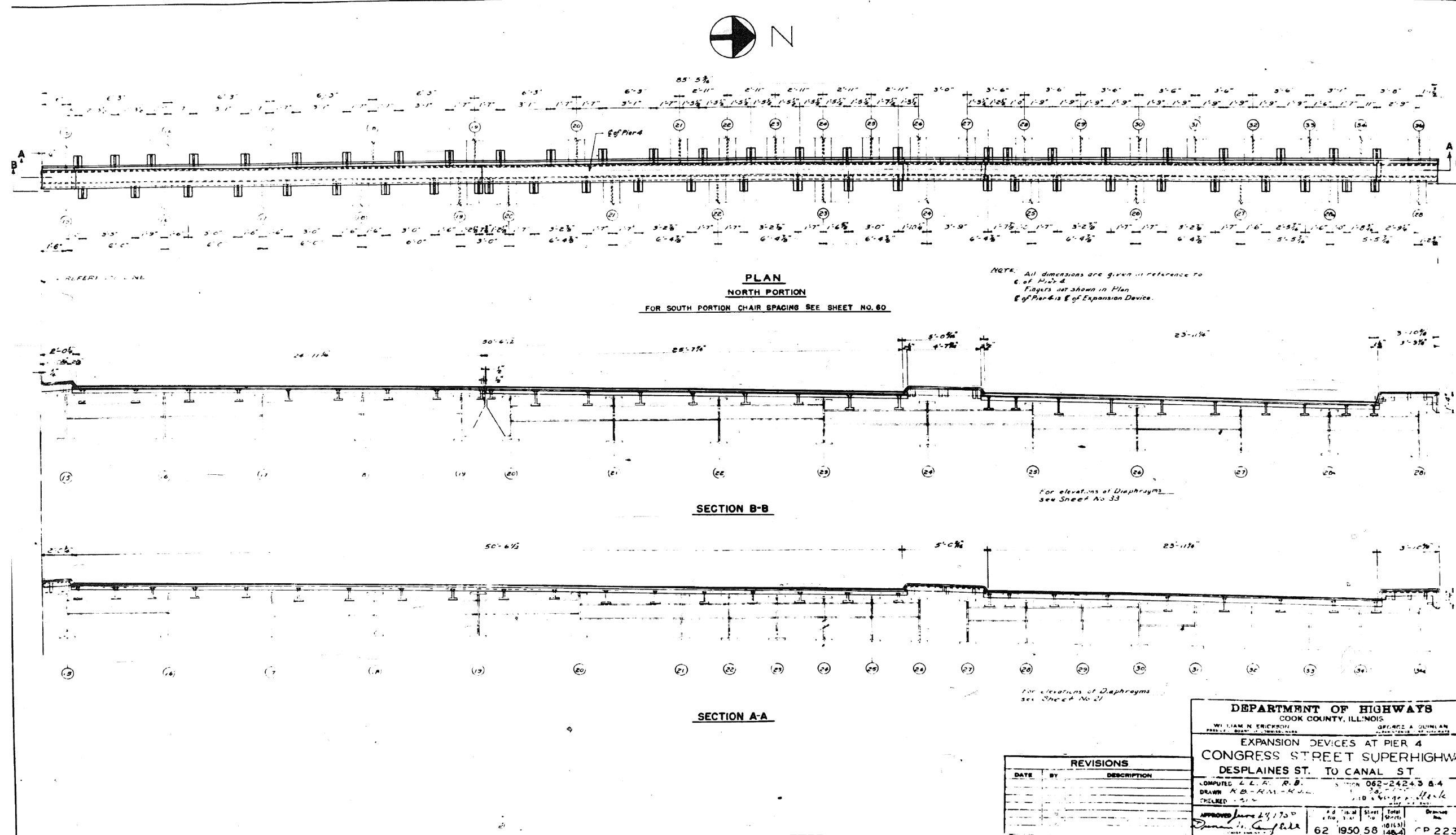
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 57 OF 194 SHEETS

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

FOR INFORMATION ONLY



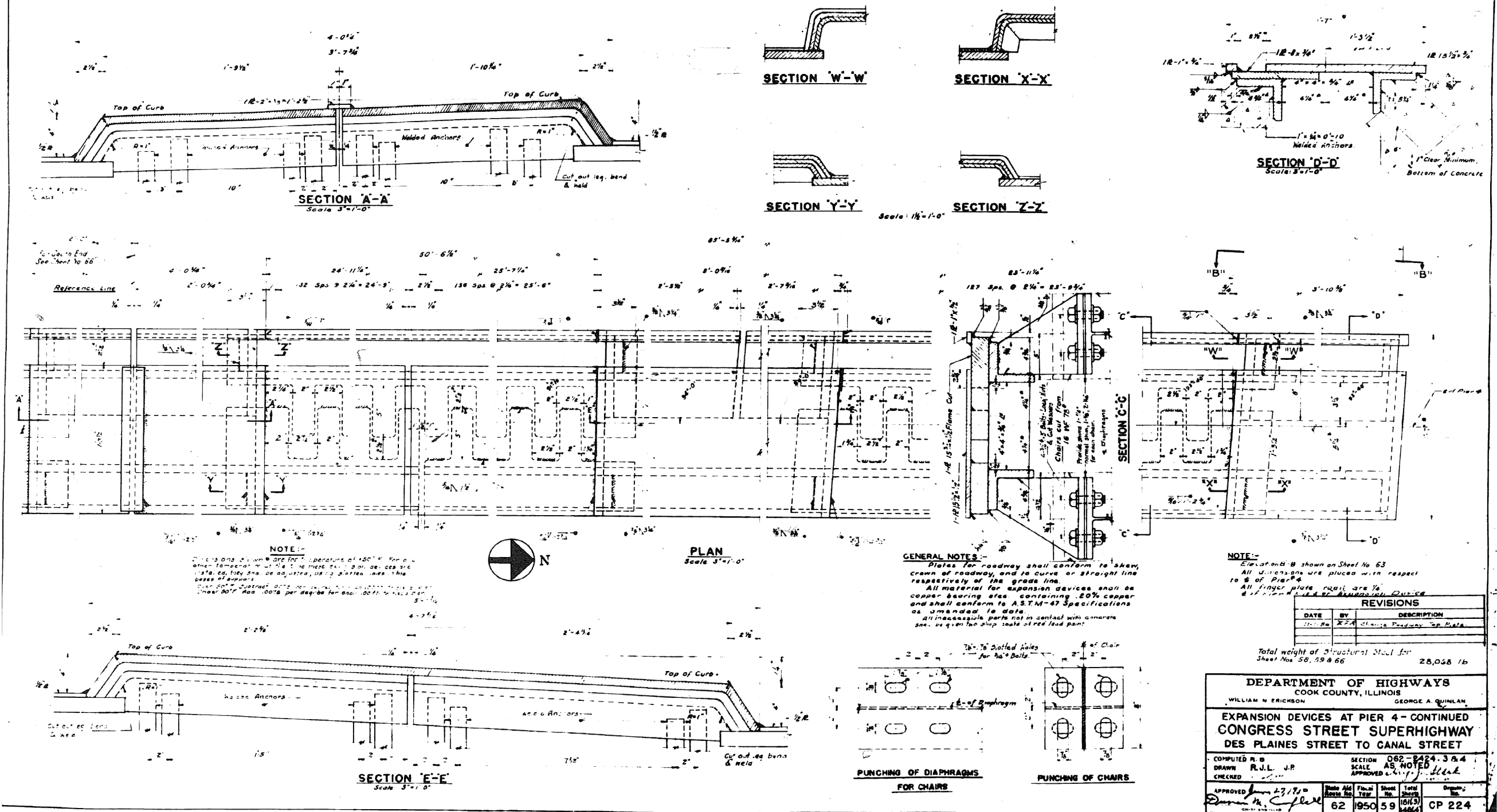
DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. ERICKSON PRESIDENT, BOARD OF SUPERVISORS	GEORGE A. QUINN COMMISSIONER
EXPANSION DEVICES AT PIER 4 CONGRESS STREET SUPERHIGHWAY DESPLAINES ST. TO CANAL ST.	
COMPUTED L. L. R. B.	SECTION 062-24243 & 4
DRAWN R. B. R. B.	DATE 5/8/2017
CHECKED R. B. R. B.	BY R. B. R. B.
APPROVED June 24, 2017	62 1950 58 148.4 CP 223

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X75-5203-EXT.dgn

FOR INFORMATION ONLY

301-6-3



0160461-60X75-S204-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 -

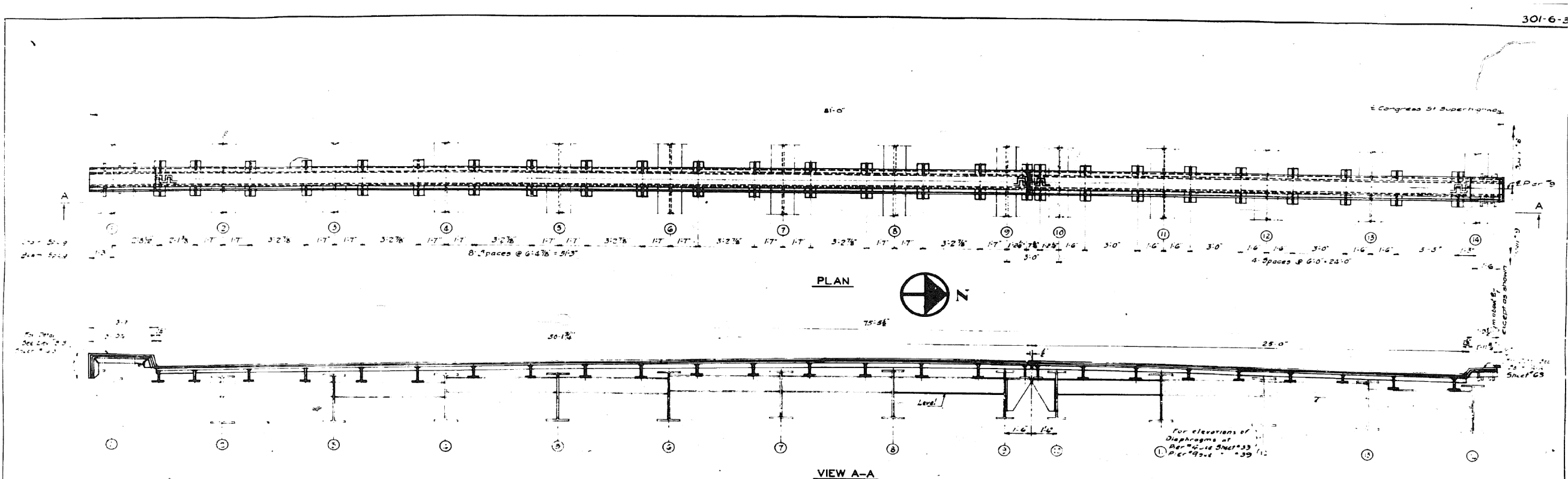
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 59 OF 194 SHEETS

F.A.I. RTE.	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



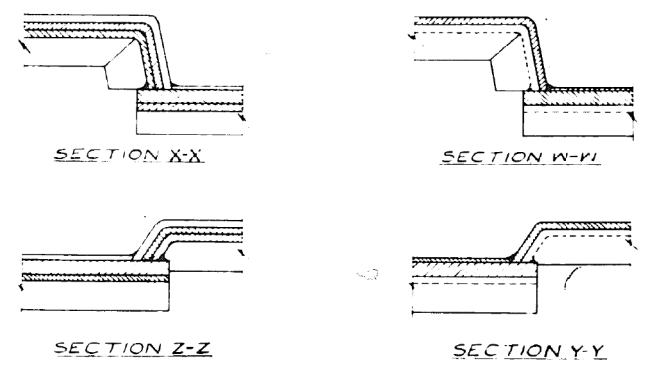
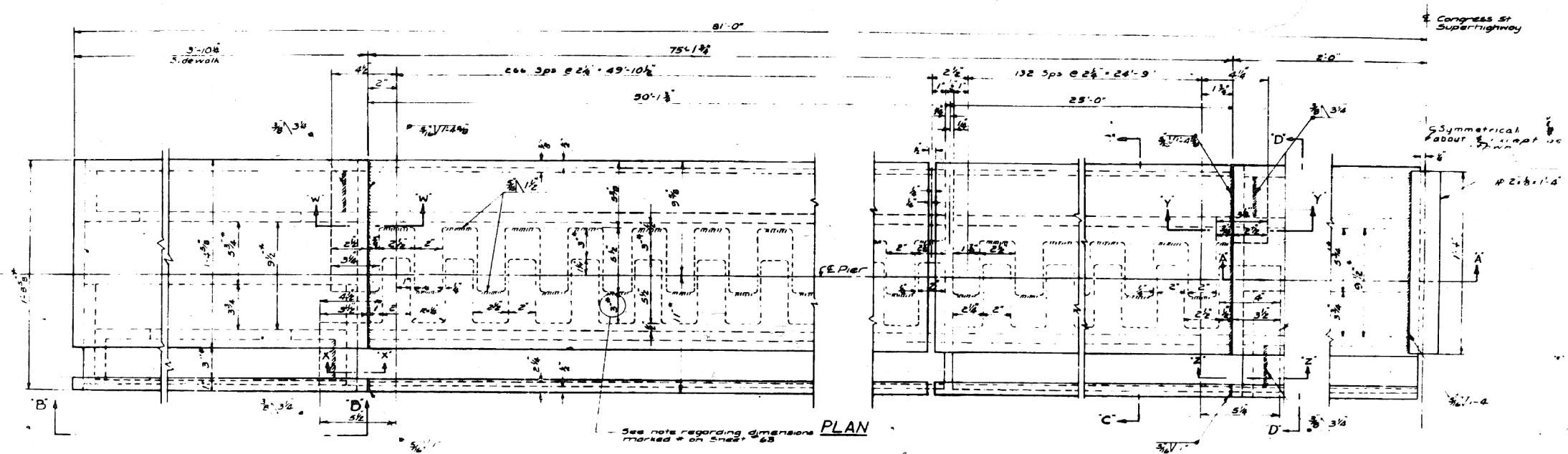
REVISIONS	
DATE	DESCRIPTION

DEPARTMENT OF HIGHWAYS	
EXPANSION DEVICES AT PIER 9	
CONGRESS STREET SUPERHIGHWAY	
DESPLAINES STREET TO CANAL STREET	
COMPUTED BY: L. R. R. R.	082-2424.38.4
DRAWN BY: W. H. TAYLOR	10/1/10
CHECKED BY: R. N. LANGE	10/1/10
APPROVED BY: [Signature]	10/1/10
DATE: 10/1/10	CP225

0160461-60X75-S205-EXT.dgn

FOR INFORMATION ONLY

301-6-



NOTE
For Sections A-A, B-B, C-C & D-D
See Sheet 58
For General Notes see Sheet 59

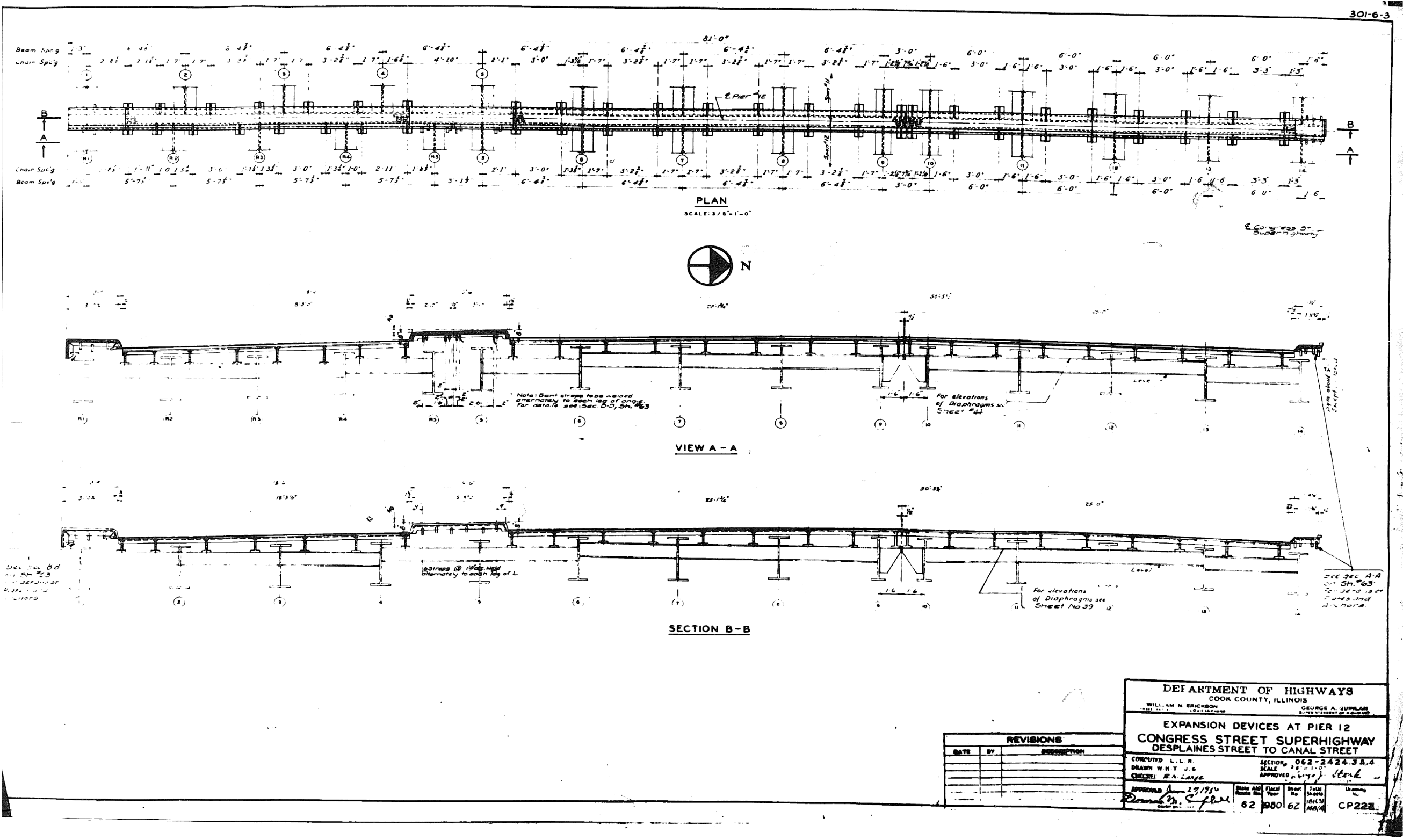
Total Weight of Structural Steel
for sheets 60 & 61 32,372 Lbs

DEPARTMENT OF HIGHWAYS	
COOK COUNTY, ILLINOIS	
WILLIAM N. ERICKSON PRESIDENT, BOARD OF COUNTY COMMISSIONERS	GEORGE A. QUINLAN COMMISSIONER
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
DRAWN BY R.J.L.	SCALE NOT TO SCALE
CHECKED BY R. LANGE	APPROVED BY [Signature]
APPROVED BY [Signature]	State Aid Fiscal Year 62 1950
	Sheet No. 61 of 62
	C.P. 226

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

0160461-60X75-S206-EXT.dgn

FOR INFORMATION ONLY



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 -

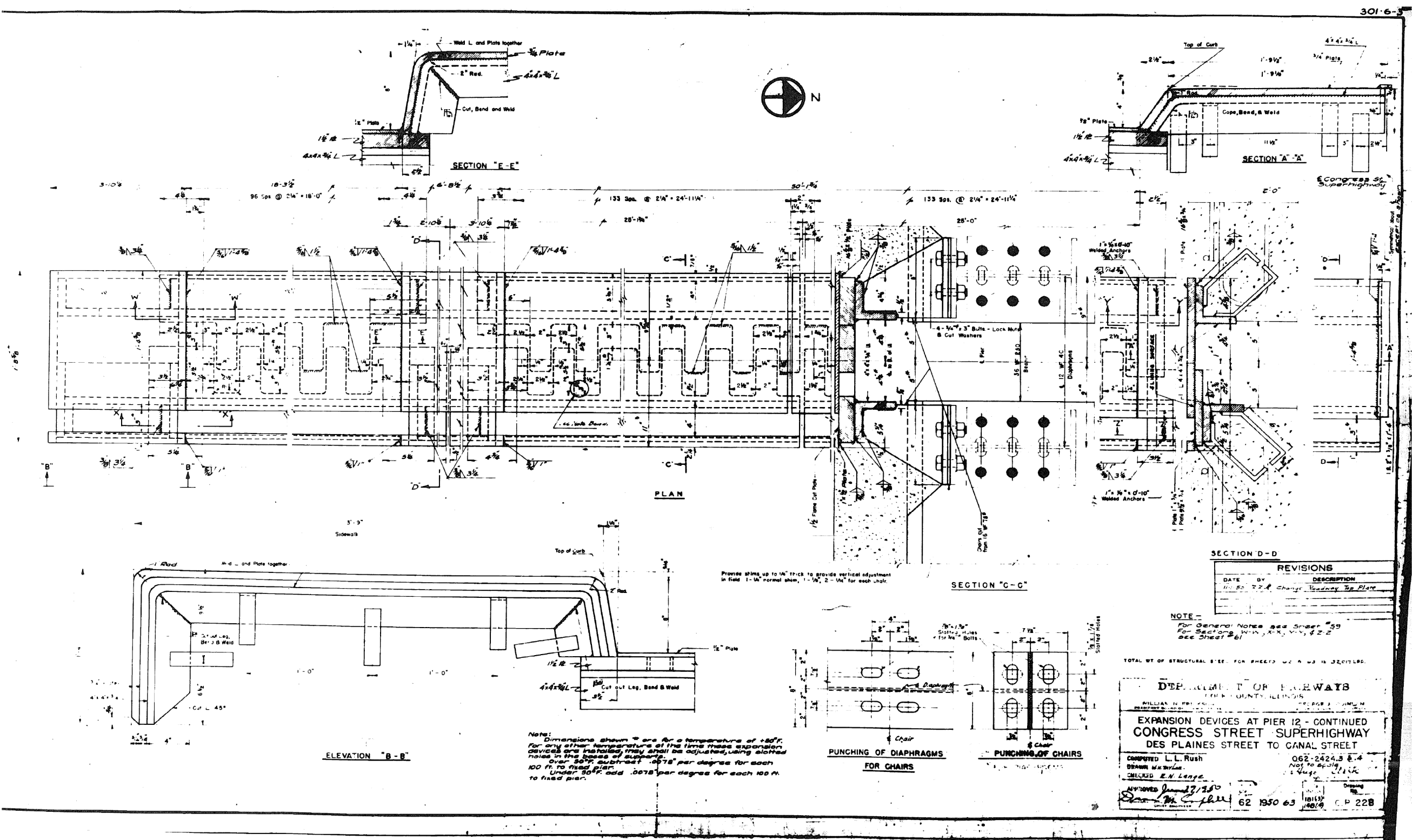
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 62 OF 194 SHEETS

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

0160461-60X75-5207-EXT.dgn

FOR INFORMATION ONLY



0160461-60X75-S208-EXT.dgn

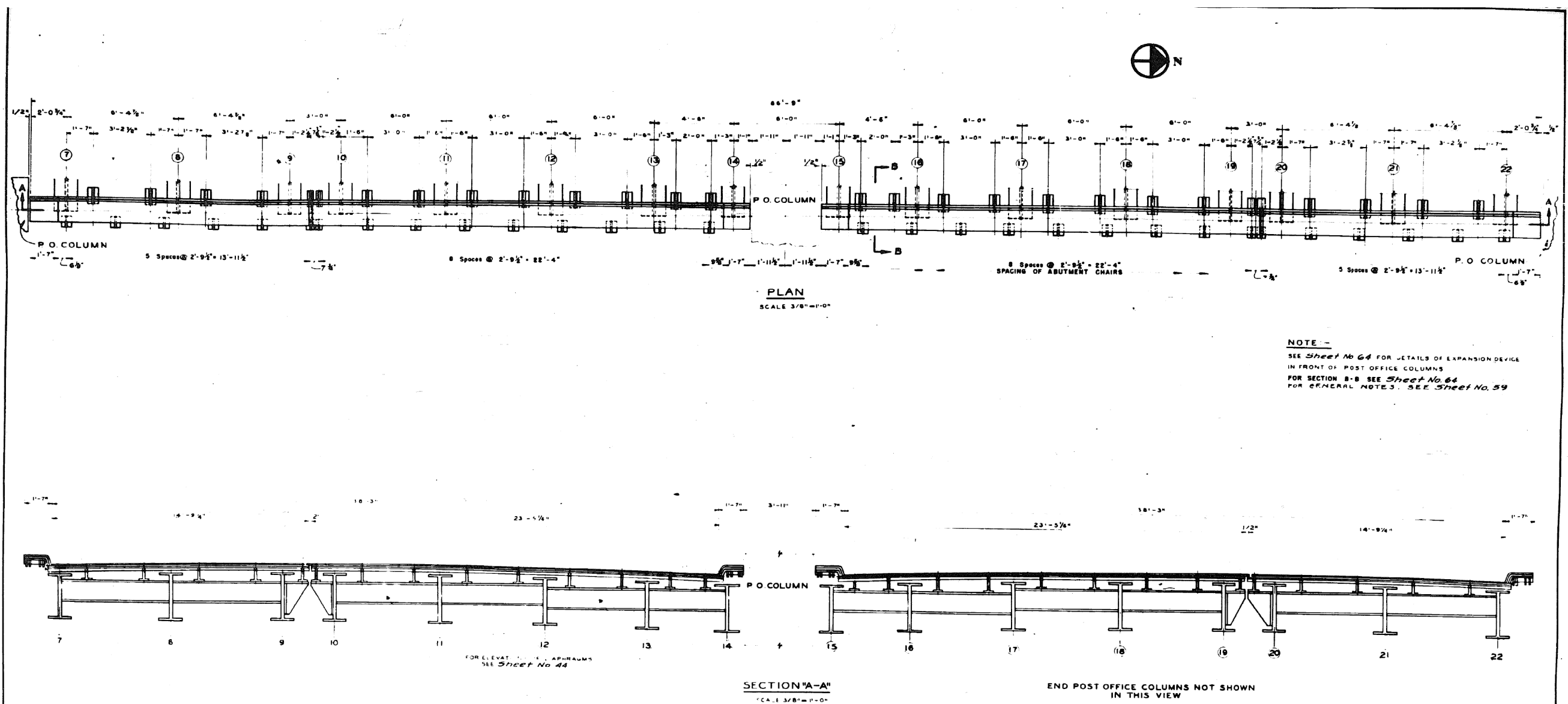
0160461-60X75-S209-EXT.dgn



SHEET NO. 64 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	493
		CONTRACT NO. 60X75		
ILLINOIS		FED. AID PROJECT		

FOR INFORMATION ONLY

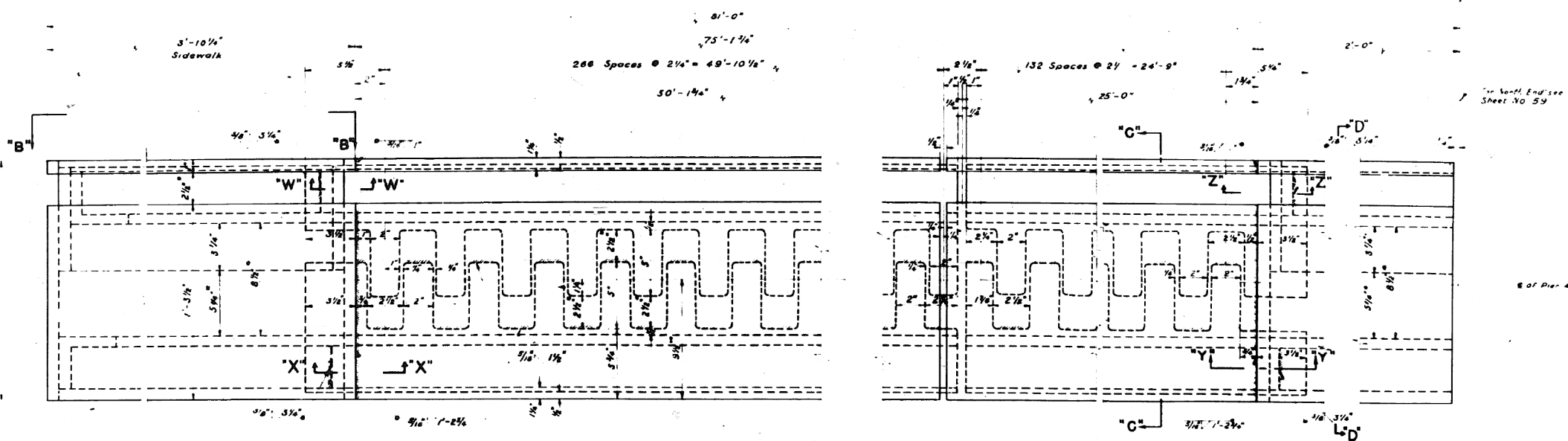


DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. BRINCKERHOFF CHIEF ENGINEER	
EXPANSION DEVICE AT PIER 17 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET	
DESIGNED BY H. GOULD	982-2424.344 AS SHOWN by J. J. Clark
CHECKED BY H. G.	
DATE 5/8/2017	
62	950 65 101 131 146 14
CP 230	

0160461-60X75-S210-EXT.dgn

FOR INFORMATION ONLY

301-6-3



PLAN

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 HAND ON SHEET NO 58
FOR ELEVATION "B-B" SEE SHEET NO 53
FOR GENERAL NOTES SEE SHEET NO 58
FOR PUNCHING OF DIAPHRAGMS AND CHAIRS SEE SHEET NO 58
ALL FINGER PLATE RADII ARE 1/4"
Q OF EXPANSION DEVICES Q OF PIER NO 4

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS							
WILLIAM N. ERICKSON CHIEF ENGINEER				GEORGE A. GUINLAN CHIEF OF BUREAU			
EXPANSION DEVICES AT PIER 4 - CONTINUED CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET							
COMPUTED BY	R. B.	SECTION	082-2424.3 & 4				
DRAWN BY	R. J. L. J. P.	SCALE	3/4" = 1'-0"				
CHECKED BY		APPROVED					
APPROVED BY		State Aid Route No.	62	Fiscal Year	1950	Sheet No.	66
		Total Sheets	101 (44)			Drawing No.	C P 465

PARSONS
BRINCKERHOFF

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 66 OF 194 SHEETS

F.A.I. RTE.	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

HANDRAIL		QUANTITIES				
Shows on Sheet	Type	B	C	D	E	
68	1502.15					
69	1669.56	63.86	18.27			
70	000.71					
71	178.04					
72	323.77	111.50	17.42	7.94	6.92	
Total	4692.14	175.36	35.69	7.94	6.92	

E- Name Plates



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

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

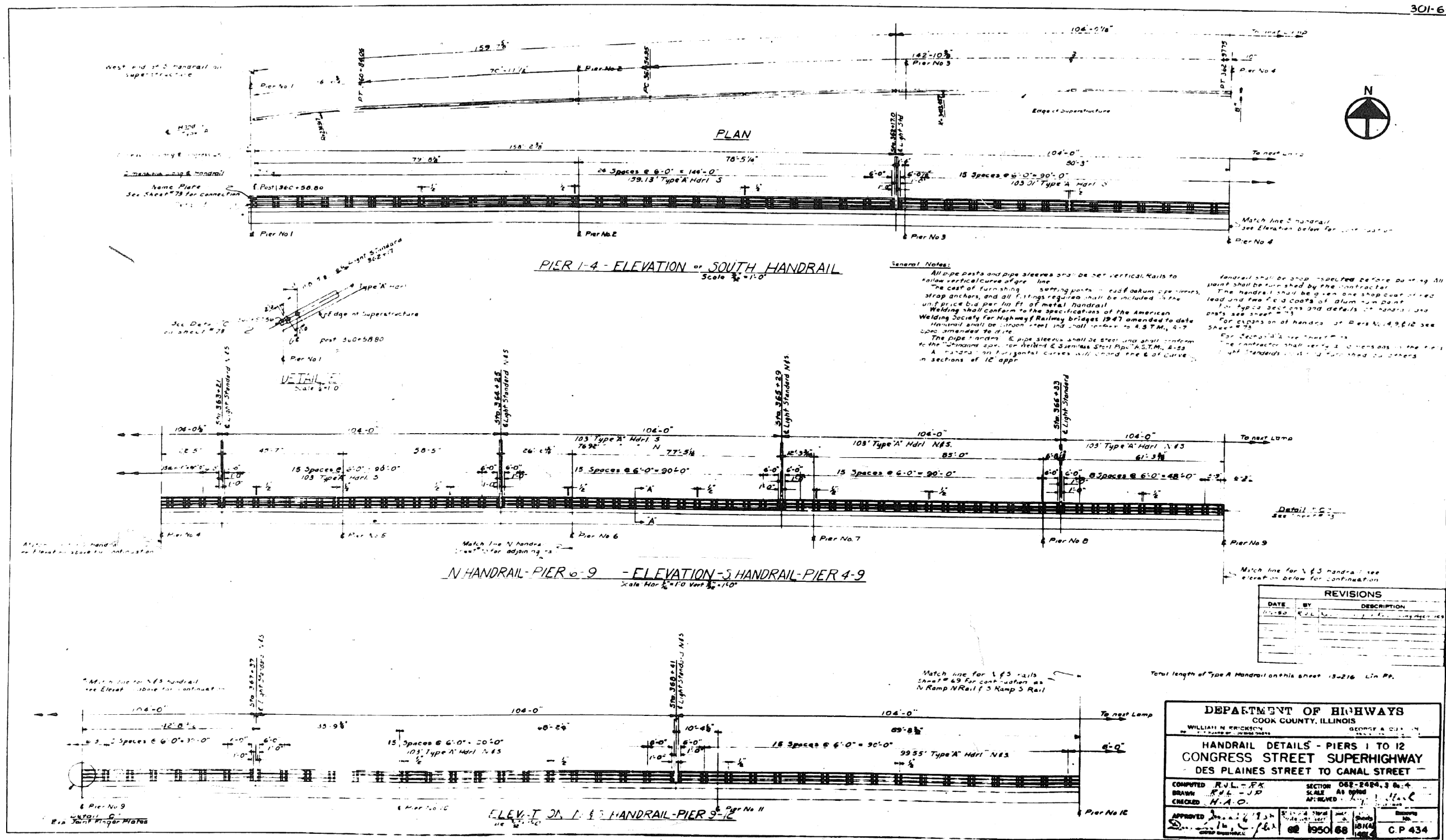
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 67 OF 194 SHEETS

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

		CONTRACT NO. 60X75	
ILLINOIS	FED. AID PROJECT		

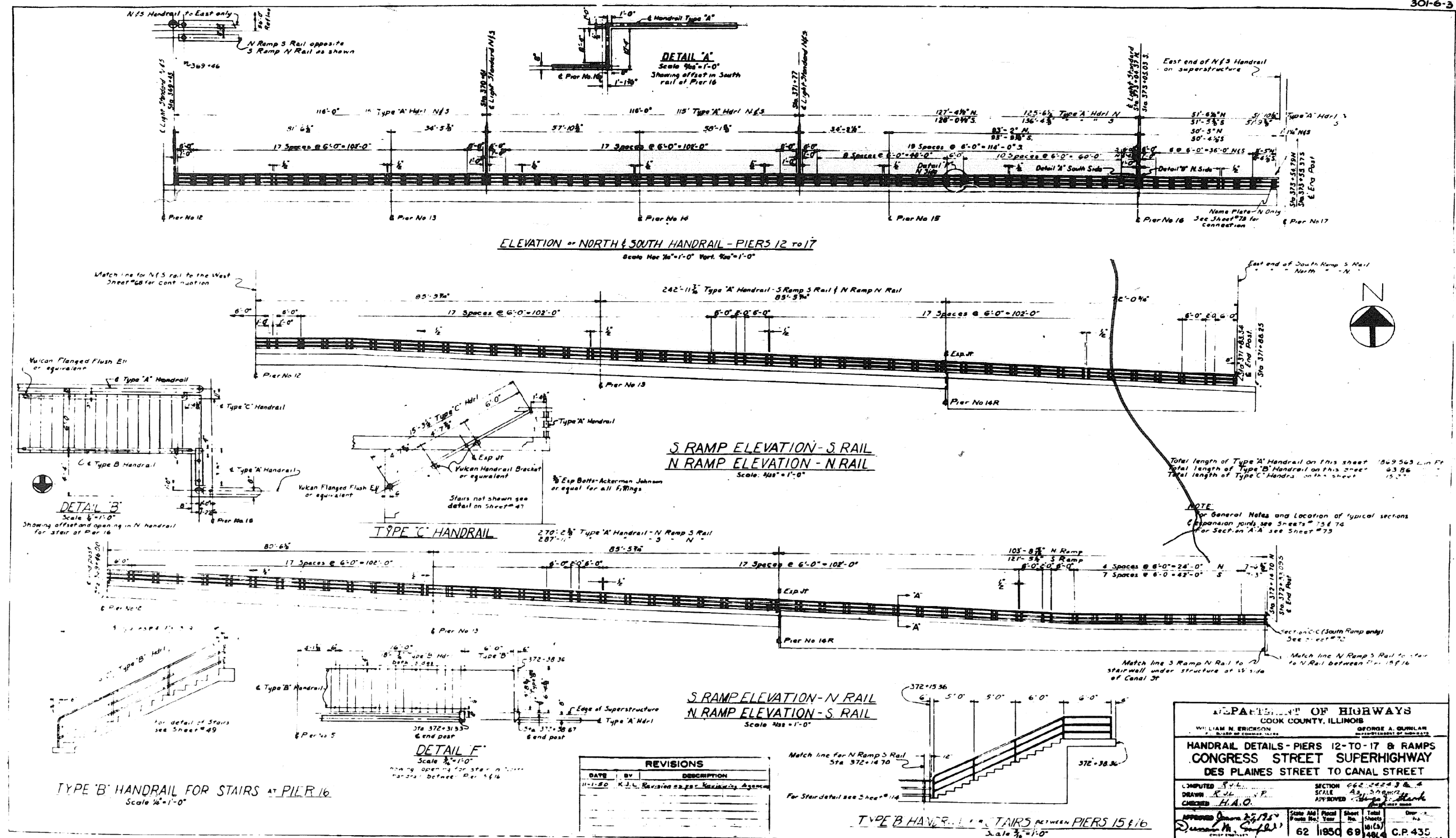
FOR INFORMATION ONLY



0160461-60X75-5213-EXT.dgn

FOR INFORMATION ONLY

301-6-3



0160461-60X75-5214-EXT.dgn

**PARSONS
BRINCKERHOFF**

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

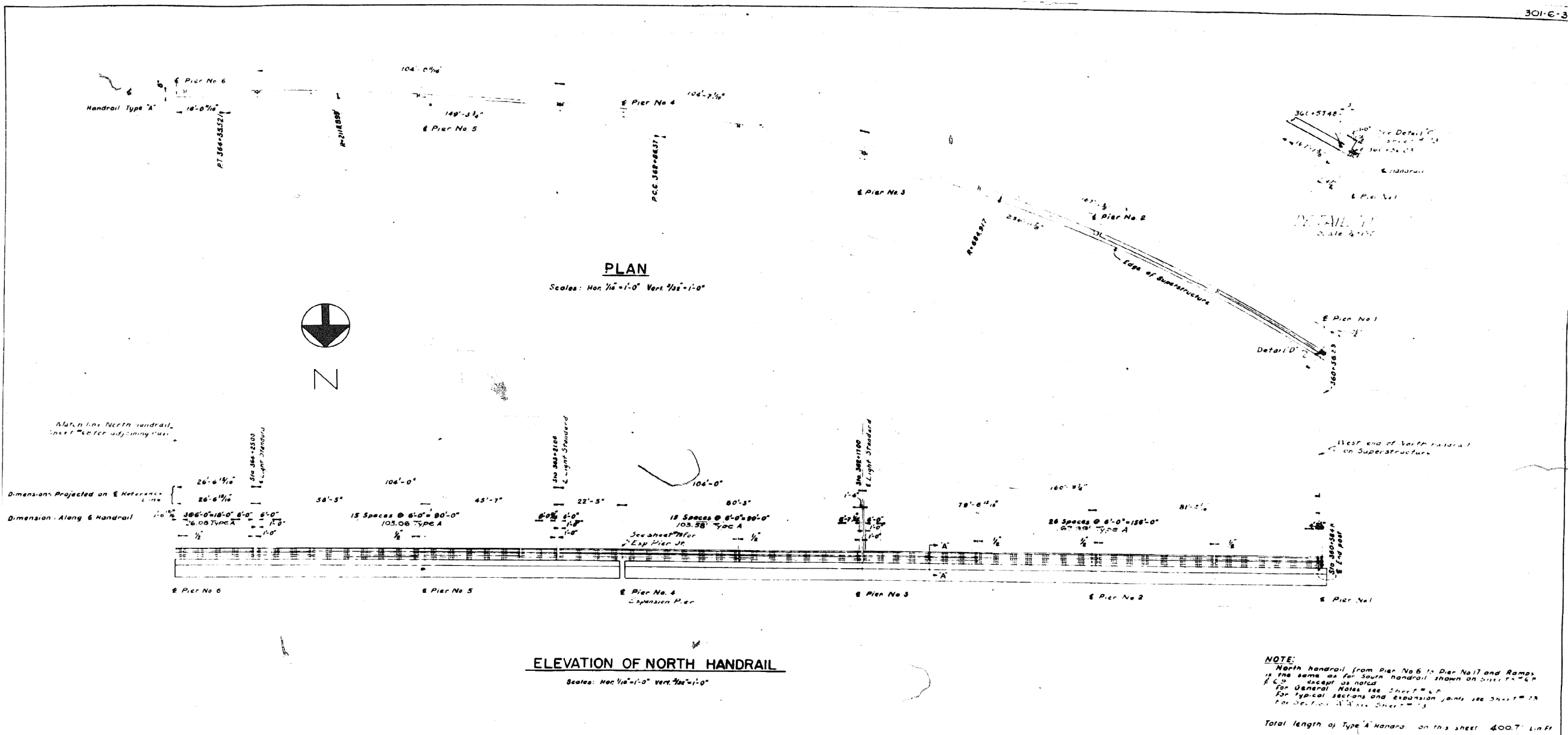
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 69 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-001 R&B (EB)	COOK	696	498
CONTRACT NO. 60X75				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

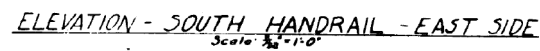


DEPARTMENT OF HIGHWAYS	
COOK COUNTY, ILLINOIS	
NORTH HANDRAIL DETAILS PIERS No. 1 TO 6	
CONGRESS STREET SUPERHIGHWAY	
DES PLAINES STREET TO CANAL STREET	
COMPUTED	R. J. L. R. K.
DRAWN	R. J. L. J. P.
CHECKED	H. J. O.
APPROVED	John H. Smith
DATE	5/8/2017
BY	JIG
DESCRIPTION	Handrail Details
SECTION	062 2424 3 & 4
AS SHOWN	1/4" = 1'
DATE	62 1950 70
BY	181(3)
CP	436

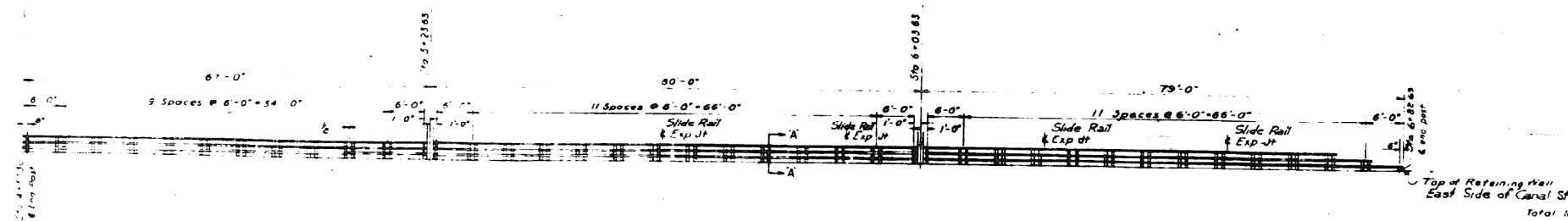
REVISIONS		
DATE	BY	DESCRIPTION
5/8/2017	JIG	Handrail Details

0160461-60X75-5215-EXT.dgn

301-6-1



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 $\frac{3}{8}'' = 1'-0''$

REVISIONS		
DATE	BY	DESCRIPTION

1. **PATIENT OF HIGHWAYS**
COOK COUNTY, ILLINOIS
 W. L. M. N. BRICK GEORGE A. CUNHAM
 (Sole Proprietor) (Sole Proprietor)
 HANDRAIL DETAIL EAST SIDE CANAL ST.
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET
 DATED JUL 11 1962
 FILED JUL 11 1962
 440.
 SECTION - 062-2443 3 Co. 4
 AP. Sign -
 100 US 40
 100 US 40
 State Aid Fiscal Control
 62 1960 71
 Total Projects
 (RICH)
 (MAY) 61
 CR 439