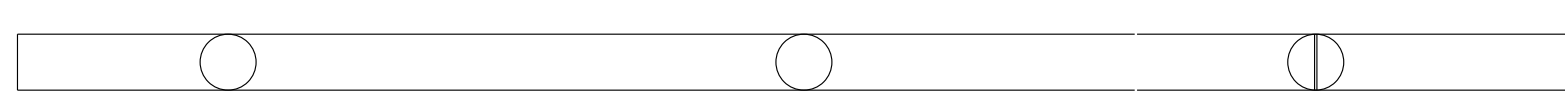


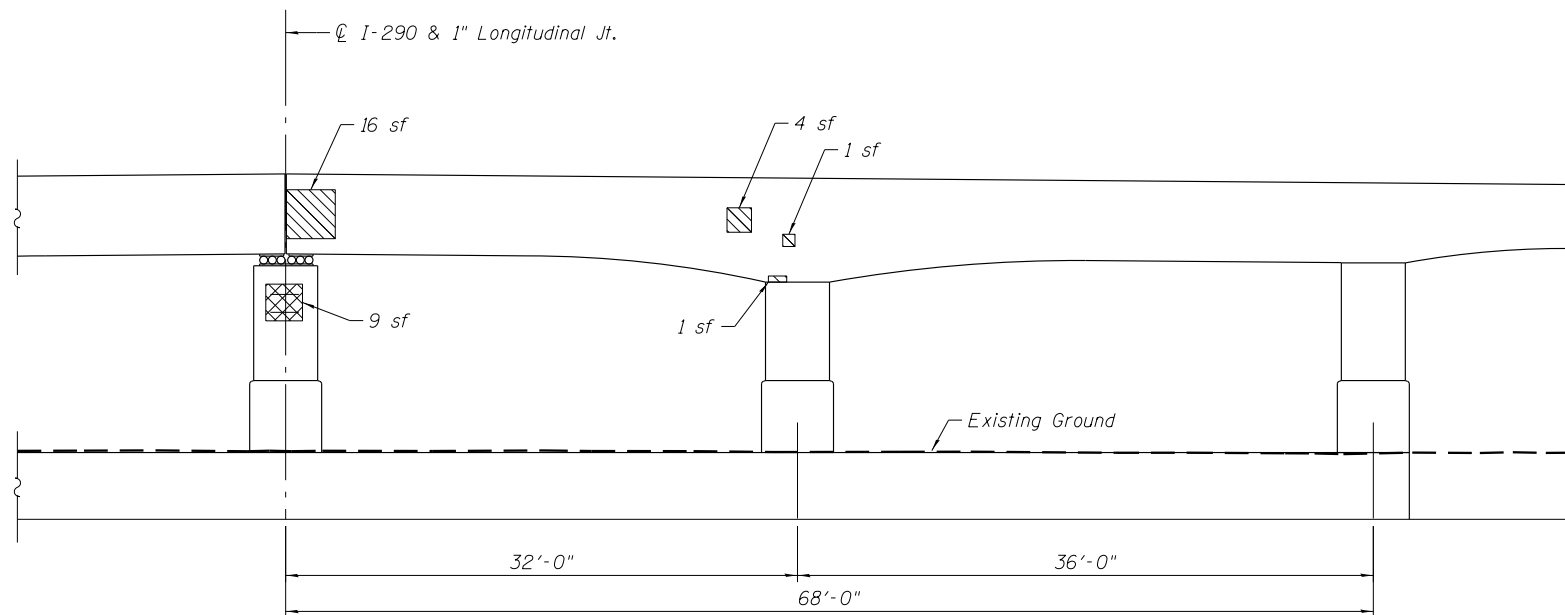
ELEVATION - PIER C8
(Looking East)



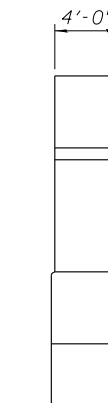
END VIEW



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)
- Structural Repair of Concrete (Depth greater than 5 Inches)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	39
Structural Repair of Concrete (Depth greater than 5 Inches)	Sq Ft	9

0160461-60X78-5124-PRR.dgn

**PARSONS
BRINCKERHOFF**

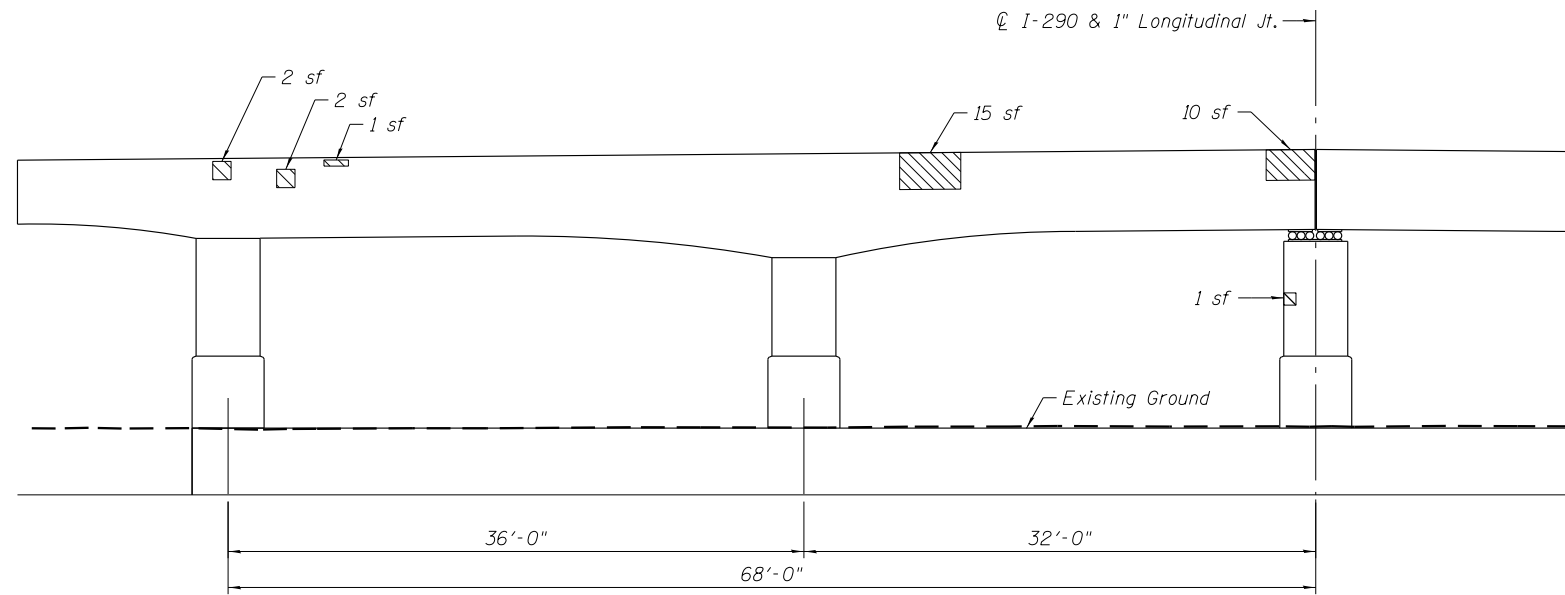
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PLOT SCALE = N.T.S.	DRAWN - DE	REVISED -
PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

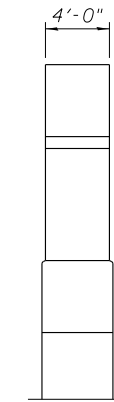
**PIER C8 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-124 OF S2-145 SHEETS

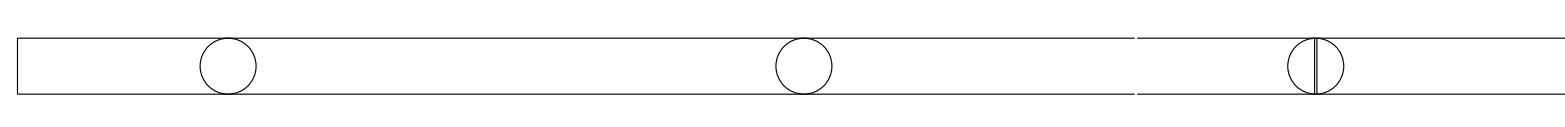
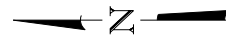
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	401
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



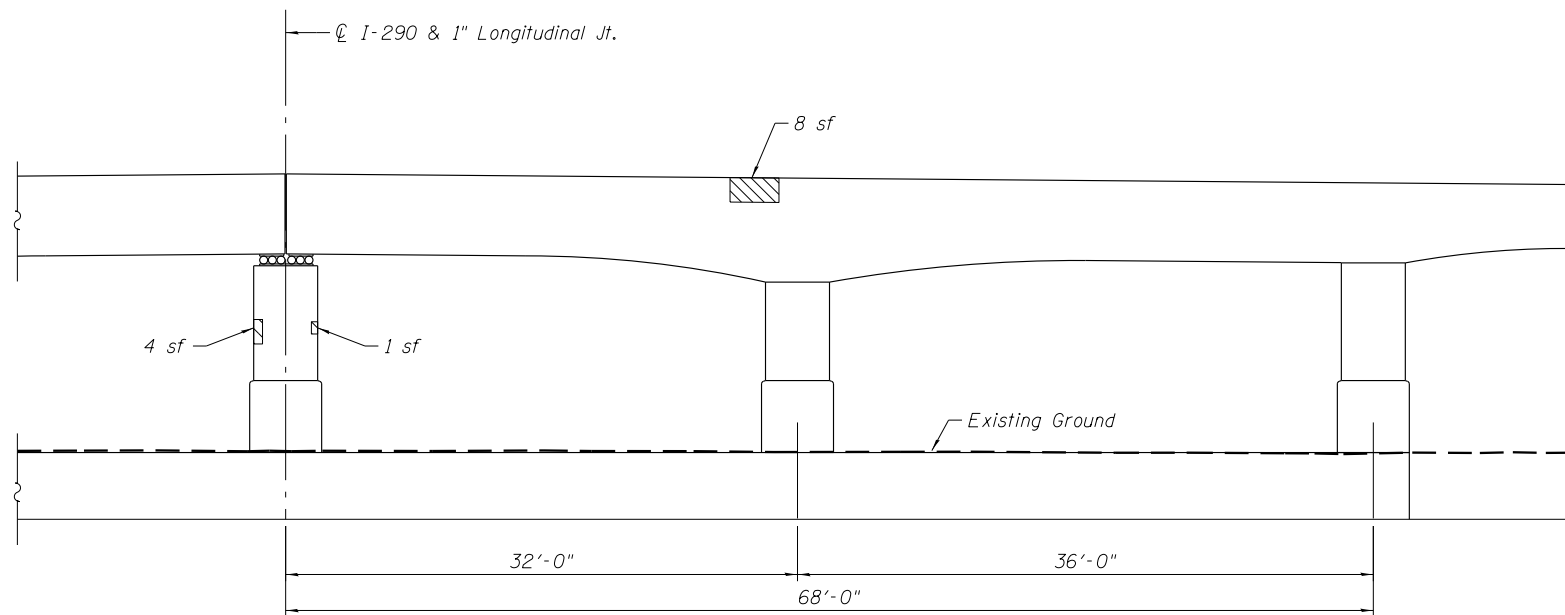
ELEVATION - PIER C10
(Looking East)



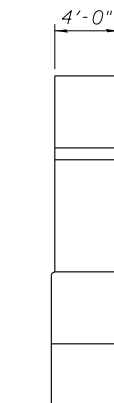
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C10
(Looking West)



END VIEW

Note:
Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

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

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	44

0160461-60X78-5125-PRR.dgn

**PARSONS
BRINCKERHOFF**

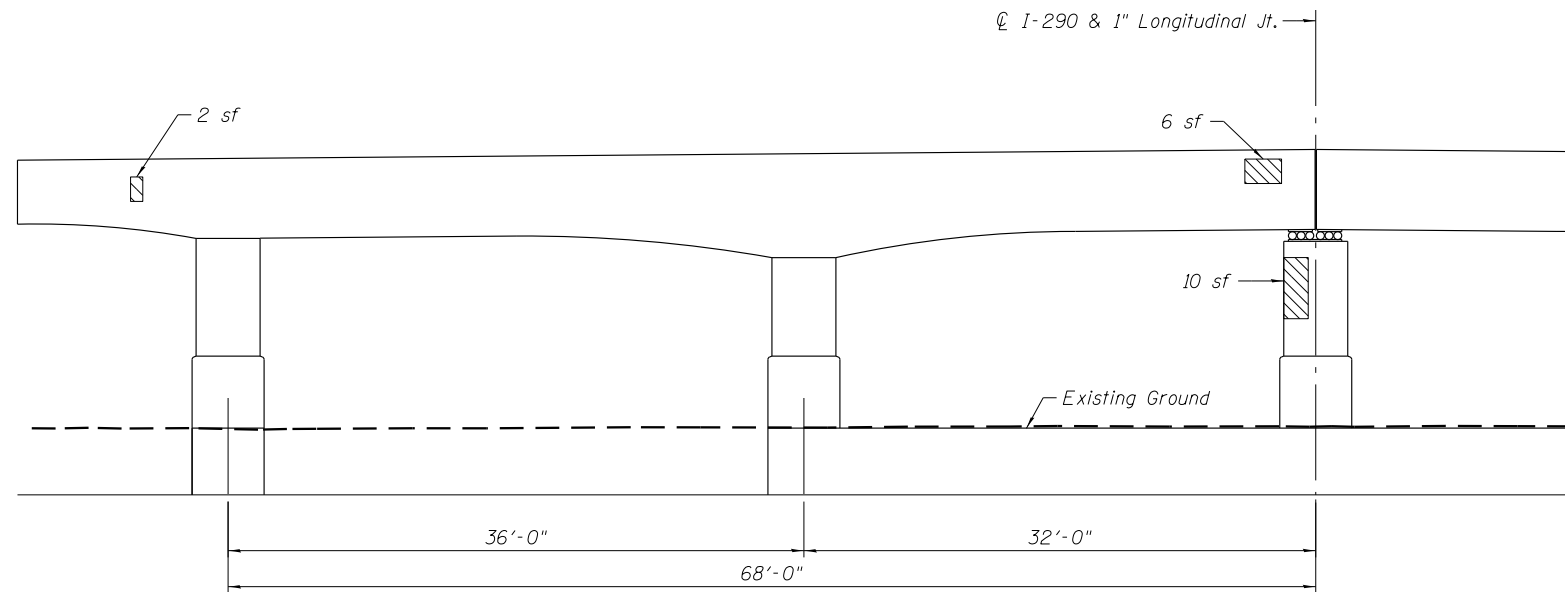
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

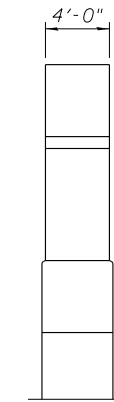
**PIER C10 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-125 OF S2-145 SHEETS

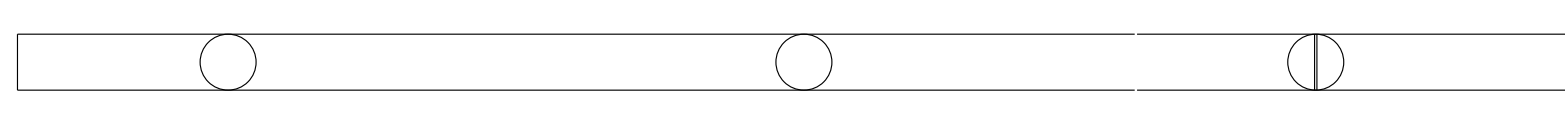
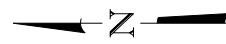
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90/94/290	2014-004 R&B (WB)	COOK	706	402
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



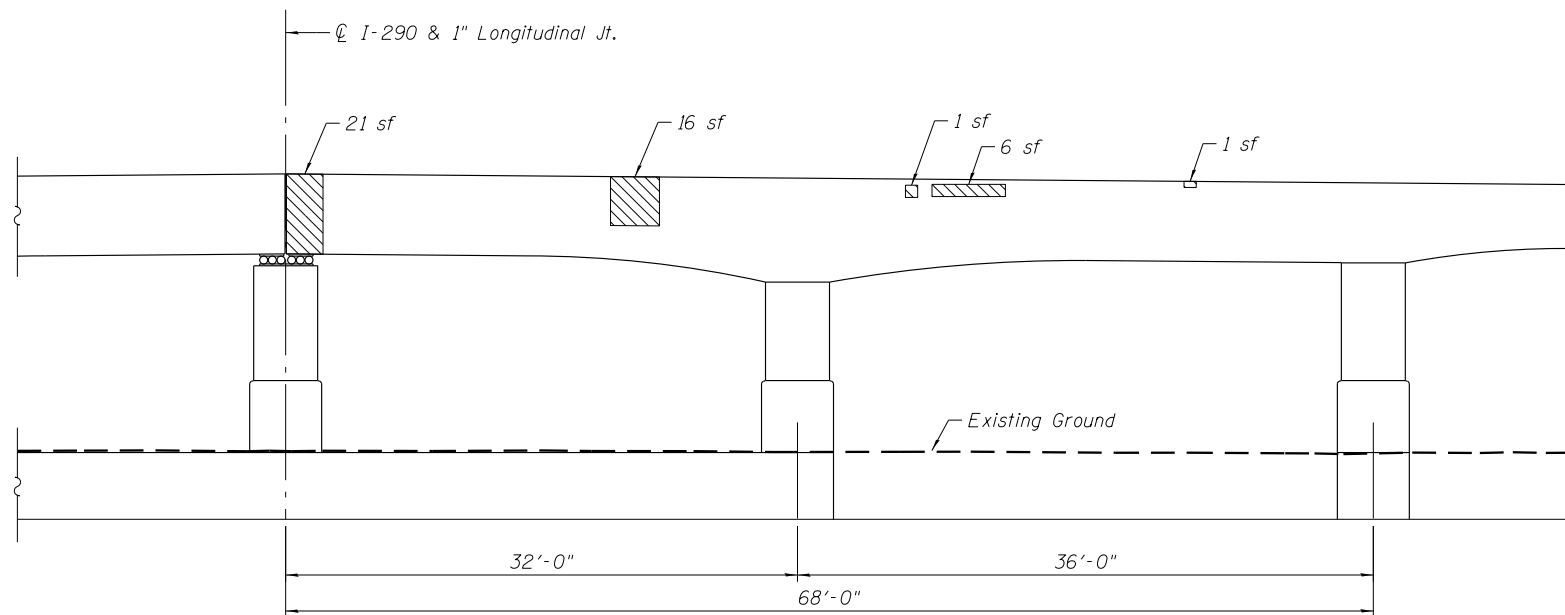
ELEVATION - PIER C11
(Looking East)



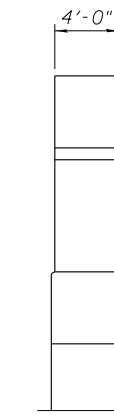
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C11
(Looking West)



END VIEW

Note:
Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

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

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	63

0160461-60X78-5126-PRR.dgn

**PARSONS
BRINCKERHOFF**

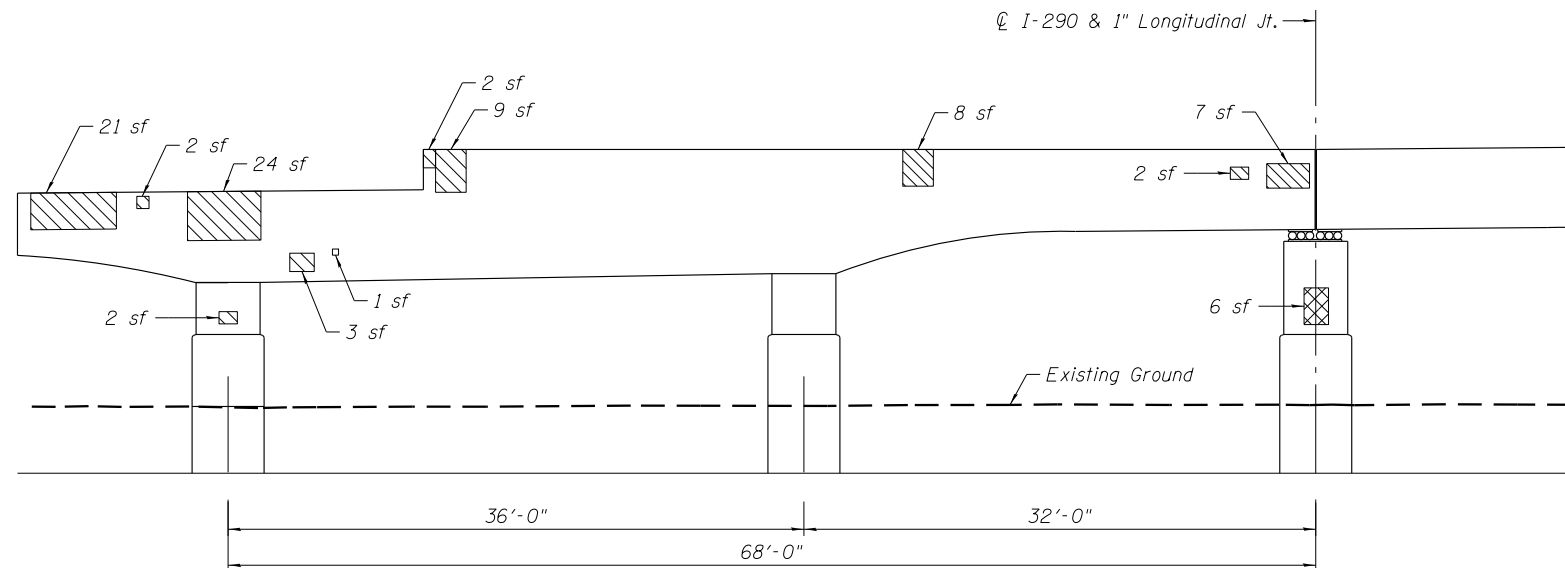
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

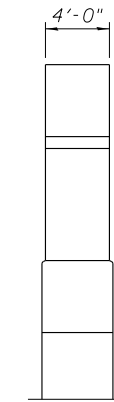
**PIER C11 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-126 OF S2-145 SHEETS

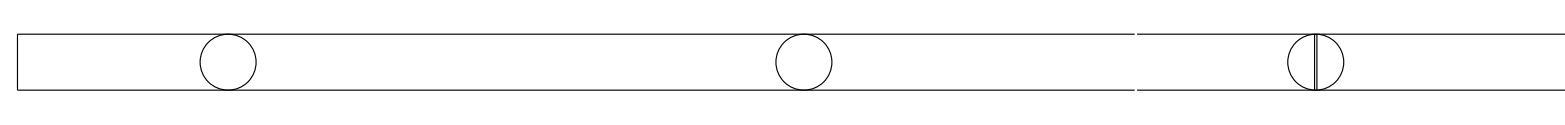
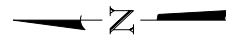
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	403
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



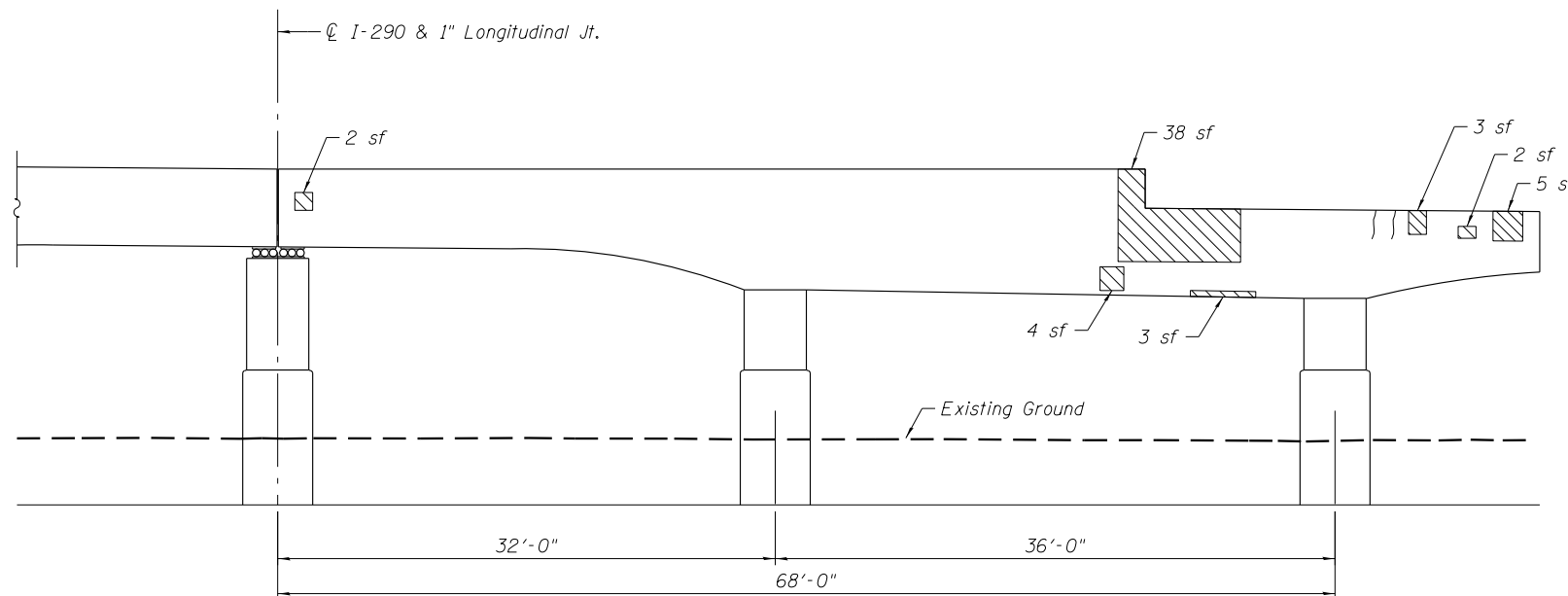
ELEVATION - PIER C13
(Looking East)



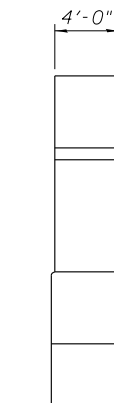
END VIEW



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)
- Structural Repair of Concrete (Depth greater than 5 Inches)

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	138
Structural Repair of Concrete (Depth greater than 5 Inches)	Sq Ft	6

0160461-60X78-5127-PRR.dgn

**PARSONS
BRINCKERHOFF**

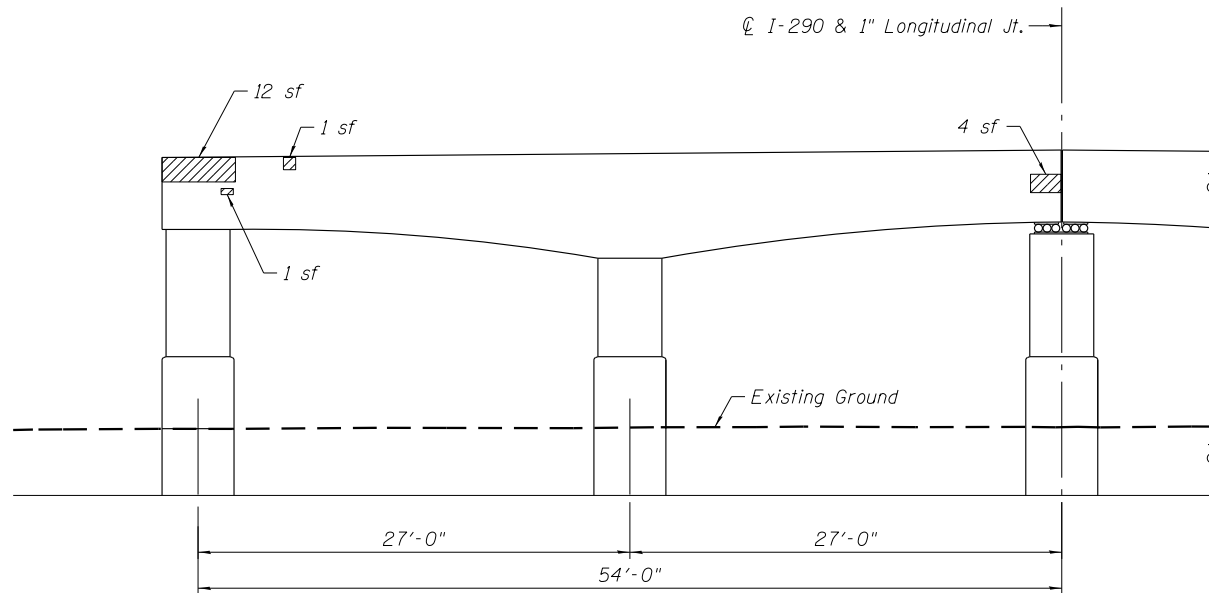
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

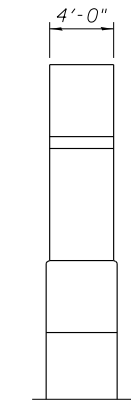
**PIER C13 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-127 OF S2-145 SHEETS

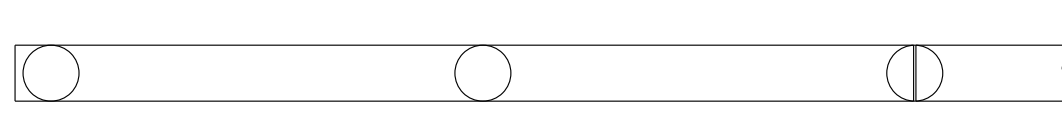
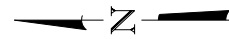
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	404
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



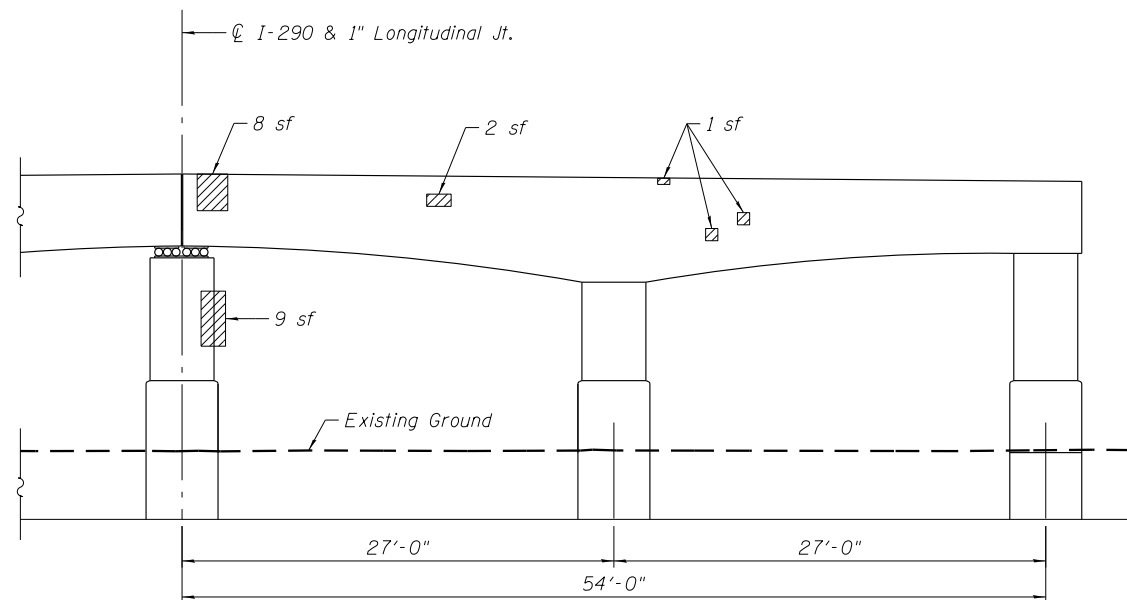
ELEVATION - PIER C14
(Looking East)



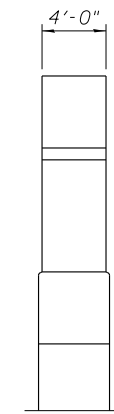
END VIEW



UNDERSIDE PLAN



ELEVATION - PIER C14
(Looking West)



END VIEW

Note:
Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

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

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	40

0160461-60X78-5128-PRR.dgn

**PARSONS
BRINCKERHOFF**

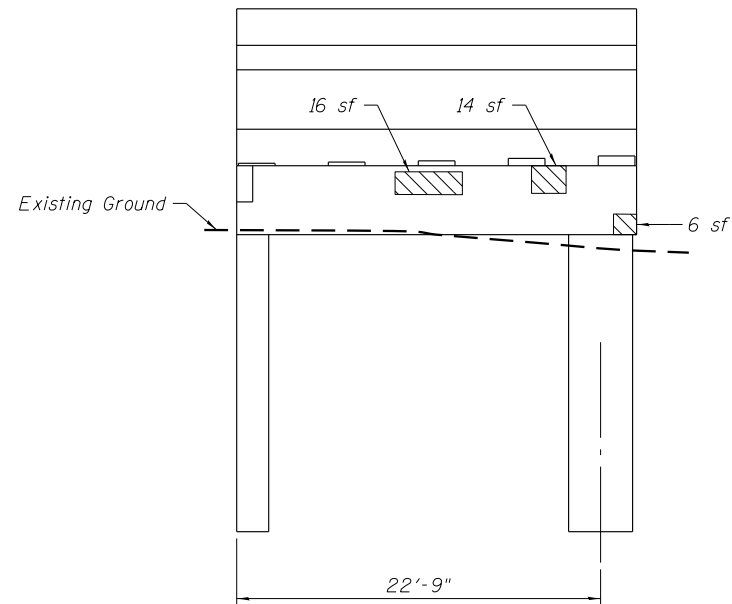
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

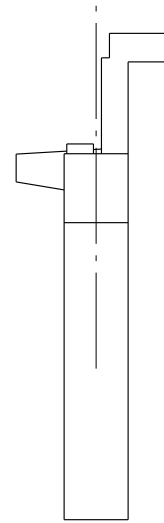
**PIER C14 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-128 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	405
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				




ELEVATION - PIER 14N NORTH RAMP
(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	36

0160461-60X78-5129-PRR.dgn

**PARSONS
BRINCKERHOFF**

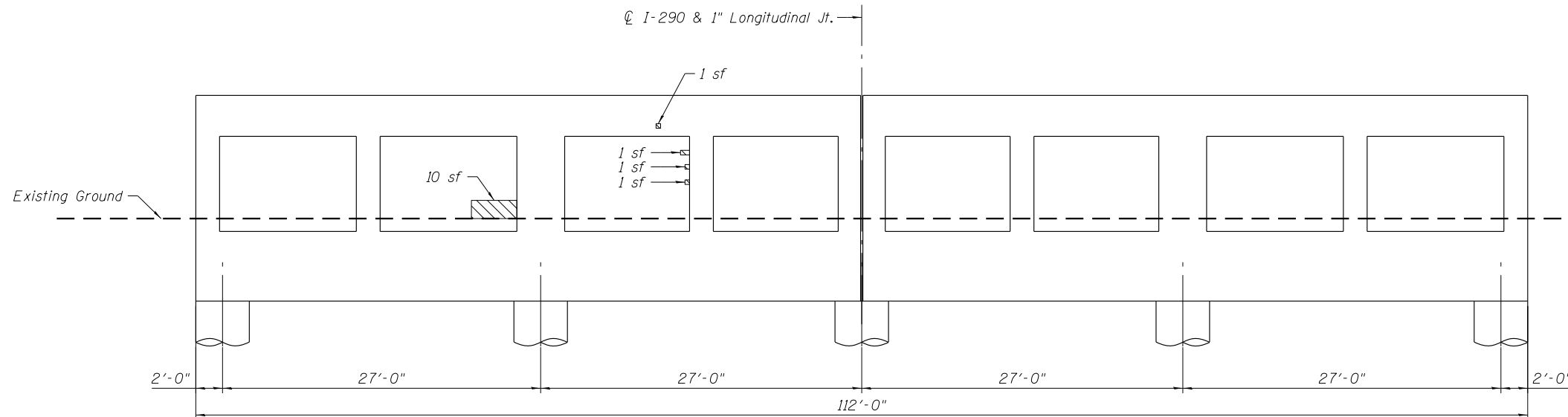
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

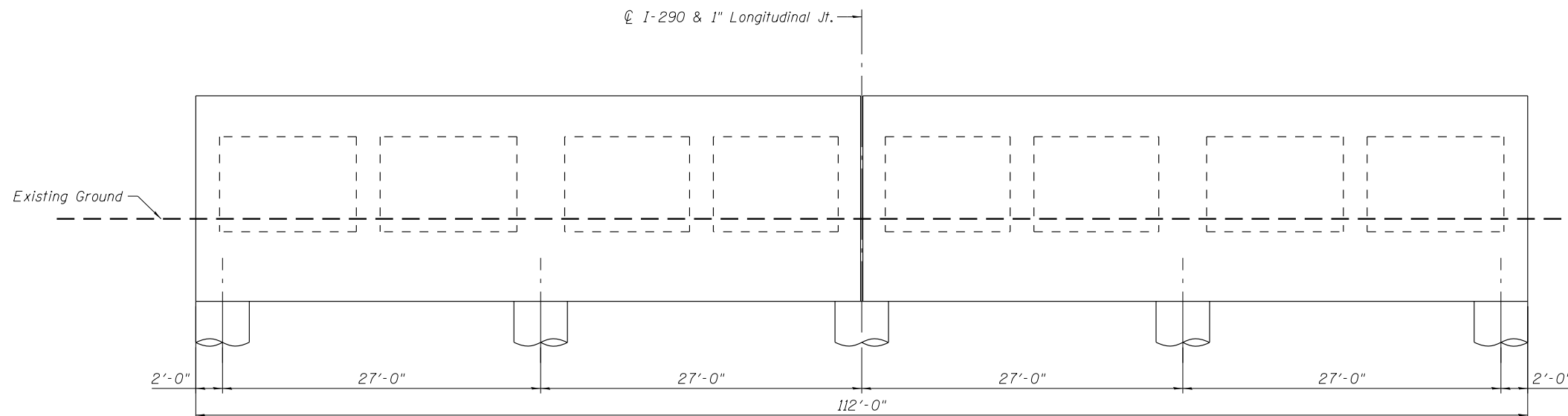
**PIER 14N REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-129 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	406
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				




ELEVATION - PIER C15
(Looking East)



ELEVATION - PIER C15
(Looking West)

Note:
Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

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

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	14

0160461-60X78-5130-PRR.dgn

**PARSONS
BRINCKERHOFF**

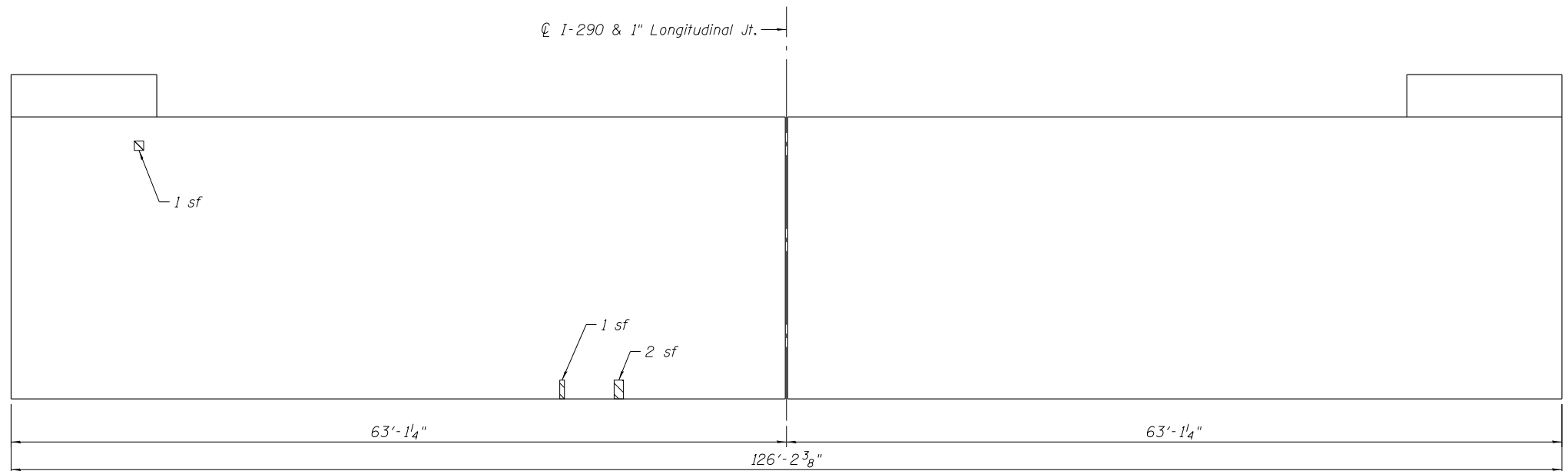
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

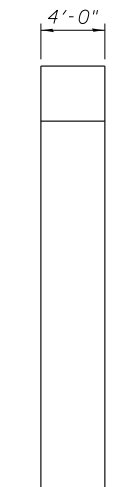
**PIER C15 REPAIR
STRUCTURE NO. 016-0461**

SHEET NO. S2-130 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	407
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



ELEVATION - PIER C16
(Looking East)



END VIEW

Note:
Area of pier repairs shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

LEGEND

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

BILL OF MATERIAL

Item	Unit	Quantity
Structural Repair of Concrete (Depth equal to or less than 5 Inches)	Sq Ft	4

0160461-60X78-5131-PRR.dgn

**PARSONS
BRINCKERHOFF**

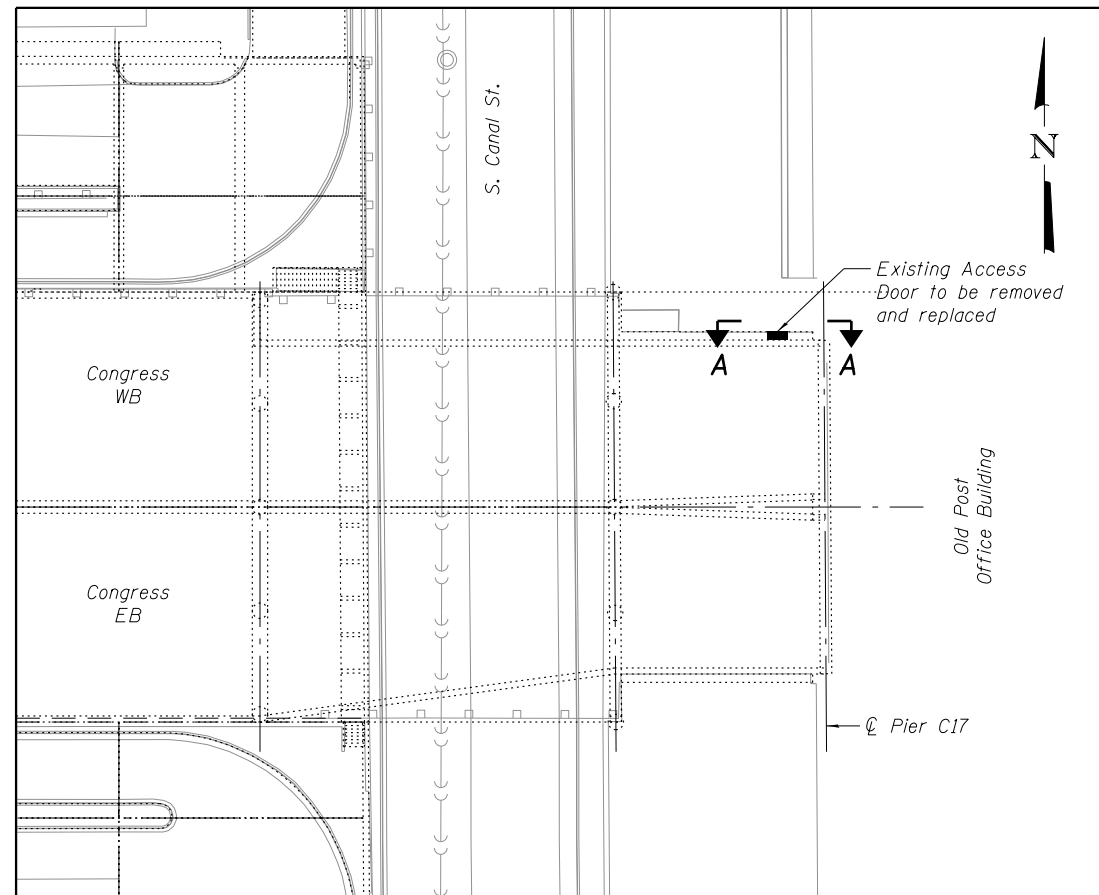
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

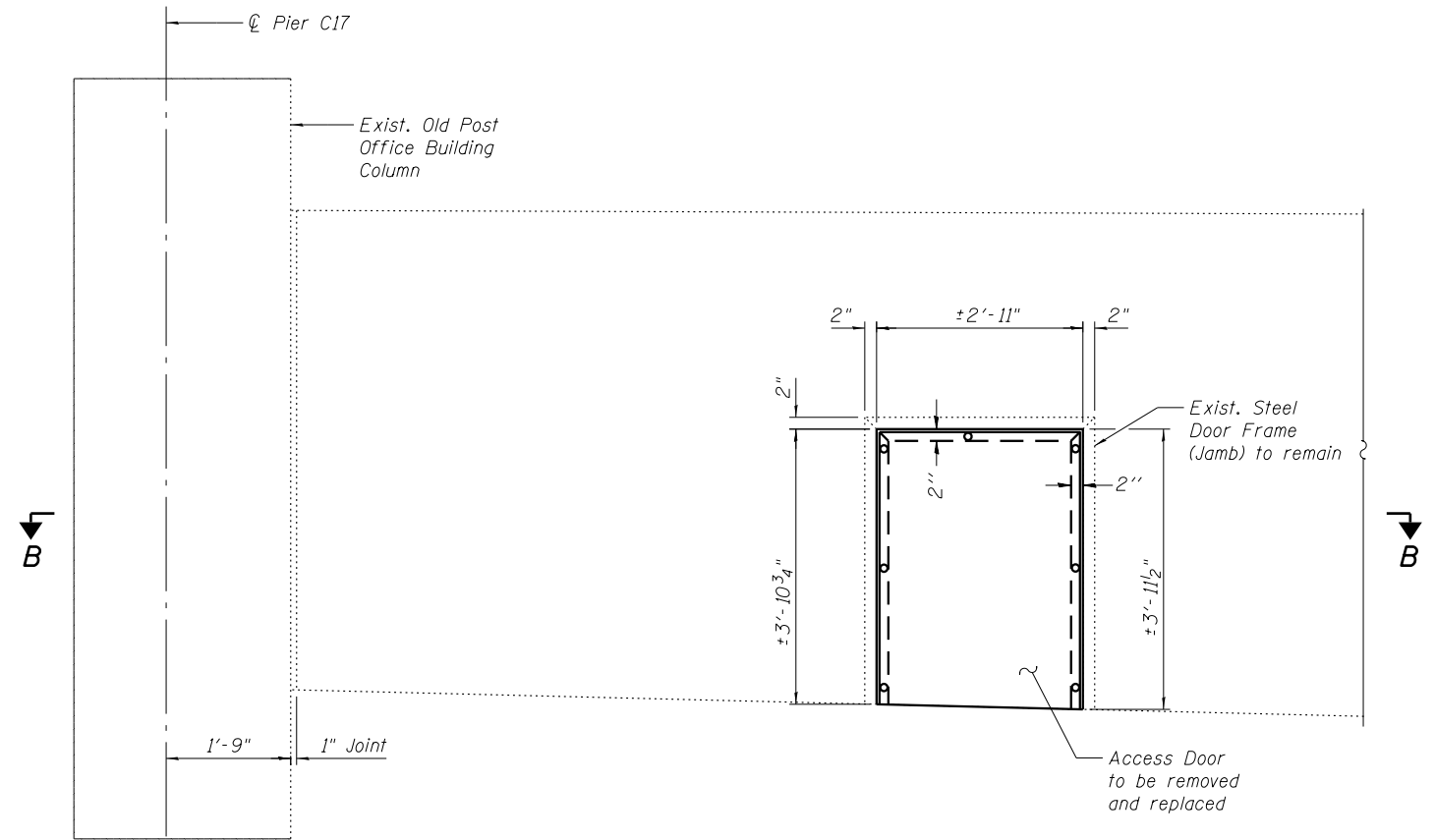
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STRUCTURE NO. 016-0461**

SHEET NO. S2-131 OF S2-145 SHEETS

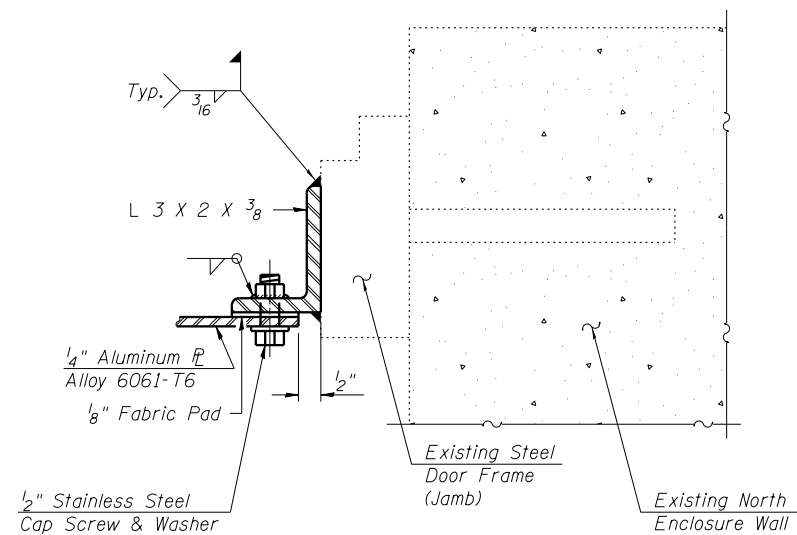
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CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



KEY PLAN

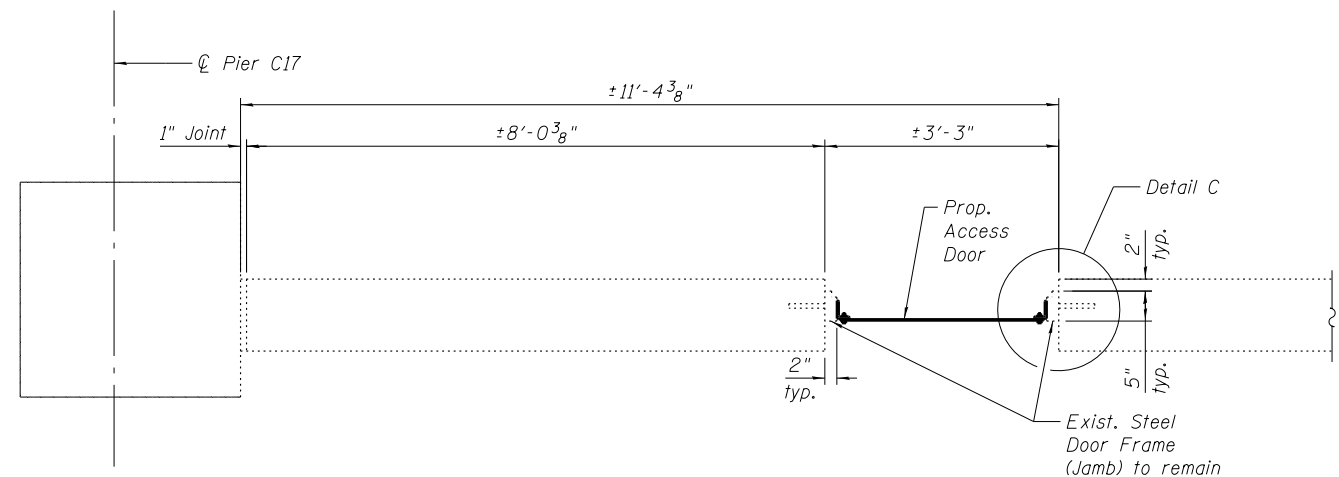


**SECTION A-A
NORTH ENCLOSURE WALL & ACCESS DOOR
(Looking South)**



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

0160461-60X78-5132-DR1.dgn

**PARSONS
BRINCKERHOFF**

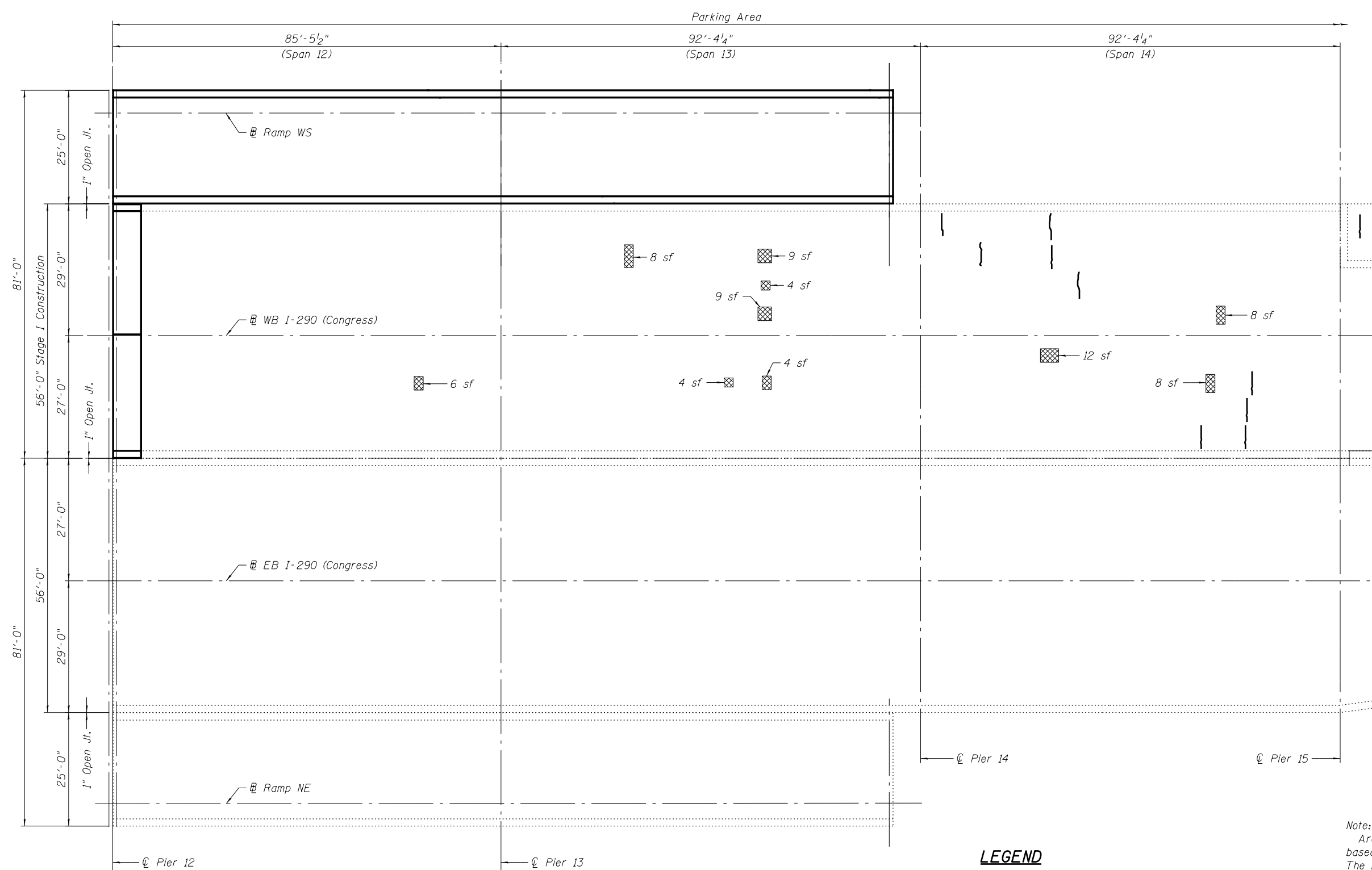
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PLOT DATE = 3/23/2016	DRAWN - DE	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-132 OF S2-145 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 409
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



DECK PLAN - UNIT IV
(Spans 12 to 14)

- LEGEND**
- Hairline Crack not to be sealed (Width < 0.06")
 - Deck Slab Repair (Full Depth)

Note:
Area of deck slab shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	7

0160461-60X78-5133-PRR.dgn

**PARSONS
BRINCKERHOFF**

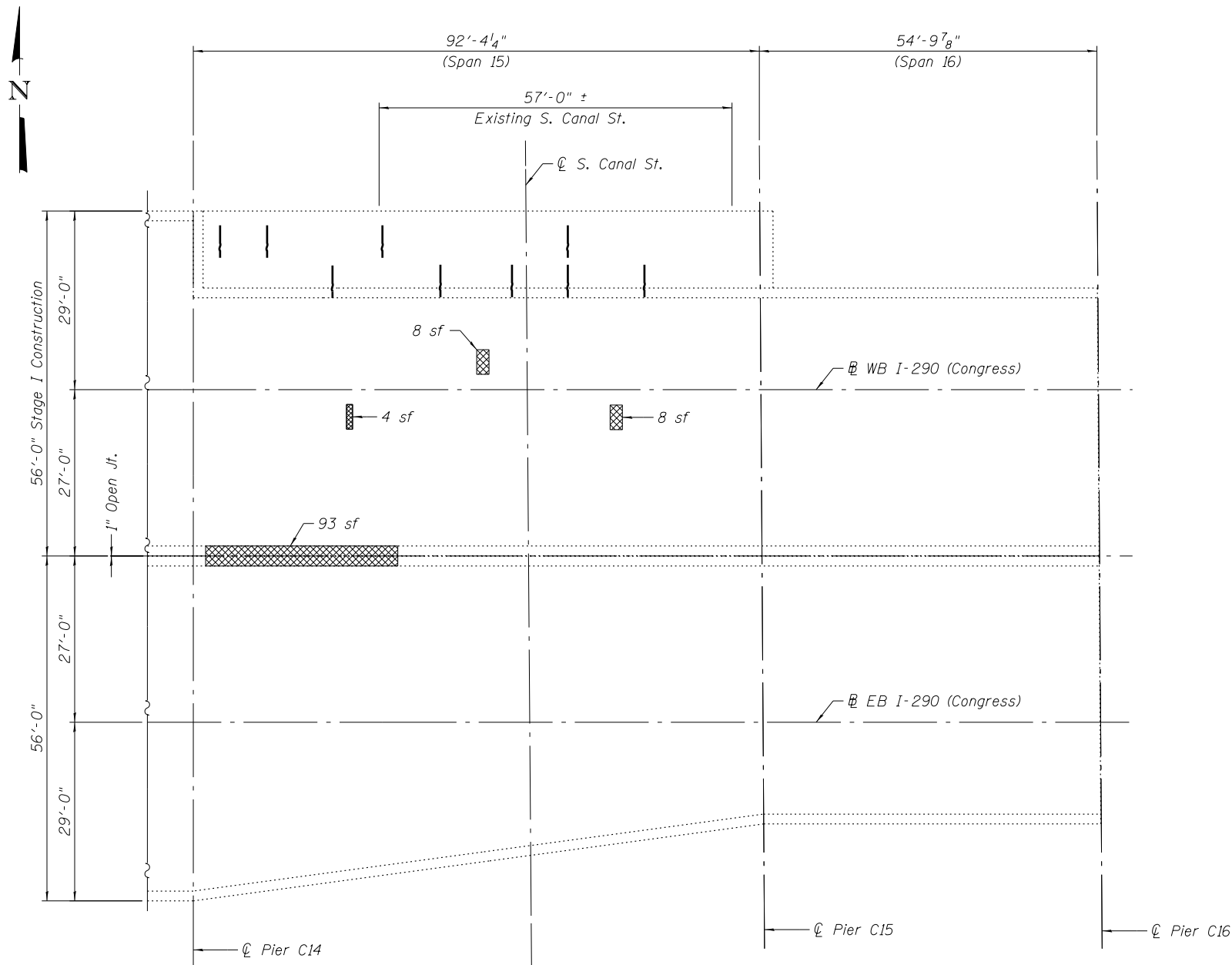
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PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-133 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	410
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



DECK PLAN - UNIT IV

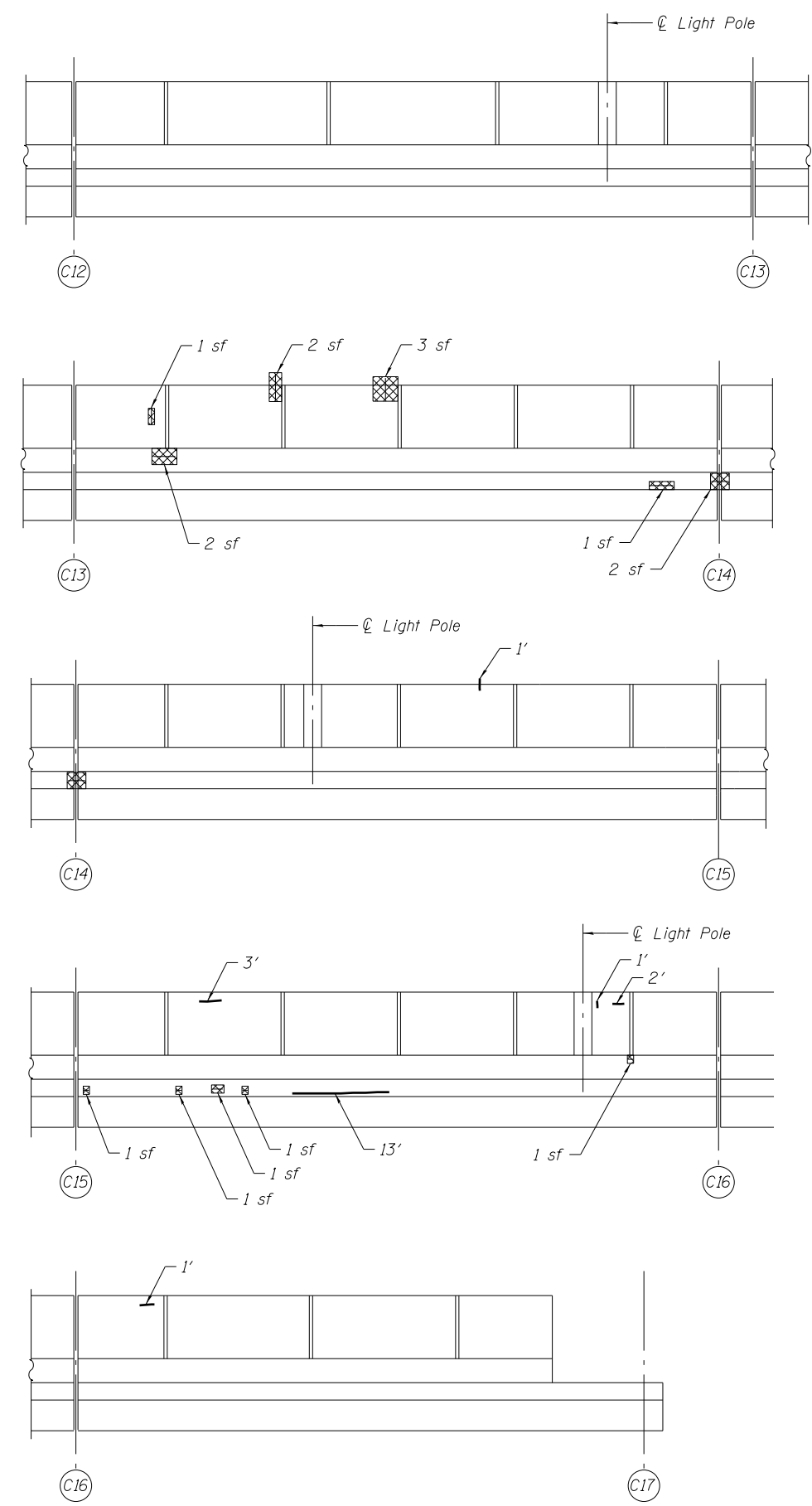
Note:
 Area of deck slab shown are estimated based on inspections performed in July 2012. The Engineer shall record the actual pier repair areas in the "As Built" plans. Changes in repair areas shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity furnished at the unit bid price for the work.

BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth, Type I)	Sq Yd	1
Deck Slab Repair (Full Depth, Type II)	Sq Yd	12
Structural Repair of Concrete (Depth greater than 5 Inches)	Sq Ft	16

LEGEND

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



NORTH PARAPET (INSIDE FACE)
 (Looking North)

0160461-60X78-5134-DPR.dgn

PARSONS BRINCKERHOFF

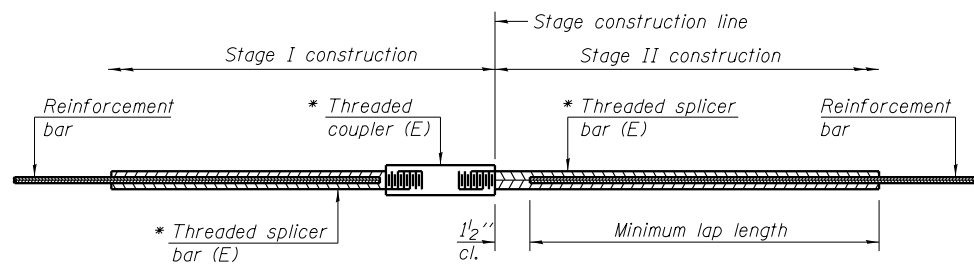
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PLOT DATE = 3/23/2016	DRAWN - DE	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-134 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	411
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				



STANDARD BAR SPLICER ASSEMBLY

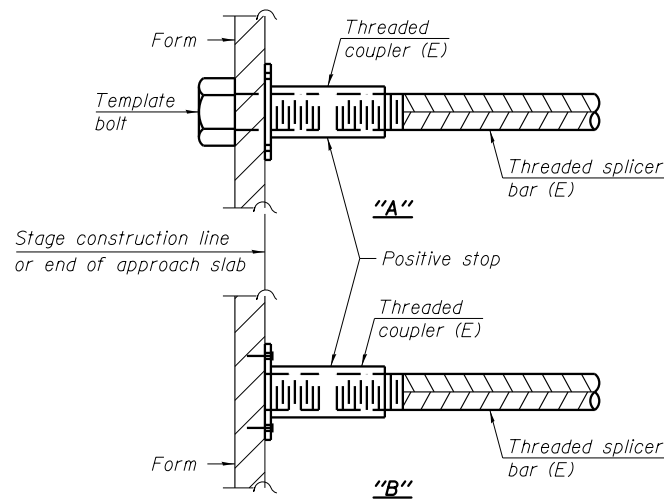
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"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

- 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

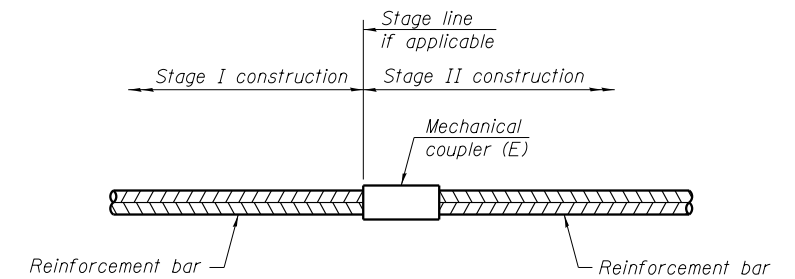
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck - Unit I	#4	1	Table 3
Deck - Unit I	#5	1,346	Table 3
Deck - Unit I	#8	1	Table 3
Deck - Unit II	#4	1	Table 3
Deck - Unit II	#5	2,071	Table 3
Deck - Unit II	#8	1	Table 3
Deck - Unit III	#5	692	Table 3
Deck - Unit IV	#5	30	Table 3
Pier C1	#5	20	Table 5
Pier C1	#10	28	Table 5
Pier C1 (Top Bar)	#10	28	Table 6
Pier C4	#5	20	Table 5
Pier C4	#10	28	Table 5
Pier C4 (Top Bar)	#10	28	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



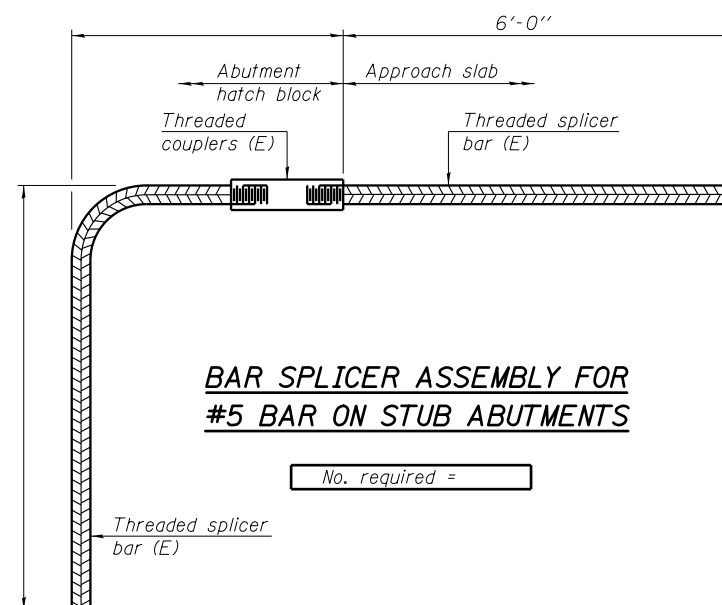
INSTALLATION AND SETTING METHODS

"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

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.

BSD-1

8-31-12

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - P.JL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - L.F.C	REVISED -
PLOT DATE = 3/23/2016	DRAWN - D.C.P	REVISED -
	CHECKED - J.I.G	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-135 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	412
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

0160461-60X78-5135-BAR.dgn

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

BORING LOG 1703-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.64 ft
 North: 1898050.50 ft
 East: 1171954.33 ft
 Station: 5213+04.97
 Offset: 31.8899 RT

Page 1 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
581.1	Stiff to very stiff, brown and gray SILTY CLAY LOAM, trace gravel --FILL--	1	6	7	2.00	25			11	2	2	0.25	22
		2	4	4	1.48	22			12	2	2	0.25	28
	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	3	2	2	0.66	24			13	1	2	0.16	28
		4	1	1	0.41	25			14	1	2	0.25	28
		5	1	1	0.33	24			15	2	4	0.25	21
		6	1	1	0.25	25			16	9	16	2.54	14
		7	1	1	0.25	25			17	15	21	4.10	13
		8	1	3	0.33	17			18	28	20	NP	15
		9	2	2	0.25	25			19	18	25	5.41	13
		10	2	2	0.33	26	539.9	Very stiff to hard, gray SILTY CLAY, trace gravel	20	17	21	4.10	13
									21	15	27	8.28	15

GENERAL NOTES
 Begin Drilling 10-21-2013 Complete Drilling 10-22-2013
 Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
 Driller P&N Logger D. Kolpacki Checked by C. Marin
 Drilling Method 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 89.00 ft
 At Completion of Drilling 89.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG 1703-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.64 ft
 North: 1898050.50 ft
 East: 1171954.33 ft
 Station: 5213+04.97
 Offset: 31.8899 RT

Page 2 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
509.9	Very dense, gray SILTY LOAM, trace gravel	17	12	20	6.64	14			22	50/5	NP	10	
		18	28	20	NP	15			23	28	36	10.00	
527.5	Dense, gray SANDY LOAM, trace gravel --Moist--	19	18	25	5.41	13			24	14	24	4.3	
		20	17	21	4.10	13			25	50/4	NP	17	
524.3	Hard, gray SILTY CLAY LOAM, trace gravel	21	15	27	8.28	15			26	50/4	NP	14	
509.9	Very dense, gray SILTY LOAM, trace gravel												
504.9	Hard, gray SILTY CLAY LOAM, trace gravel												
	--HARD DRILLING-- --Possible Cobbles--												
497.6	Very dense, gray SILT, trace gravel --Saturated--												
	--HARD DRILLING-- --Possible Cobbles--												
489.9	Very dense, gray GRAVELLY SAND --Saturated--												

GENERAL NOTES
 Begin Drilling 10-21-2013 Complete Drilling 10-22-2013
 Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
 Driller P&N Logger D. Kolpacki Checked by C. Marin
 Drilling Method 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 89.00 ft
 At Completion of Drilling 89.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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BORING LOG 1703-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.64 ft
 North: 1898050.50 ft
 East: 1171954.33 ft
 Station: 5213+04.97
 Offset: 31.8899 RT

Page 3 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
454.9	--HARD DRILLING-- Very dense, greenish gray SILTSHALE, some DOLOSTONE fragments --WEATHERED BEDROCK--	27	50/5	NP	16								
479.6	Boring terminated at 107.00 ft												

GENERAL NOTES
 Begin Drilling 10-21-2013 Complete Drilling 10-22-2013
 Drilling Contractor Wang Testing Services Drill Rig D-25 ATV
 Driller P&N Logger D. Kolpacki Checked by C. Marin
 Drilling Method 2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 89.00 ft
 At Completion of Drilling 89.00 ft
 Time After Drilling NA
 Depth to Water NA
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

0160461-60X78-5136-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-136 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	413
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

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 Fax: 630 953-9938

BORING LOG 1715-PMT-01
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.37 ft
 North: 1898101.38 ft
 East: 1171922.25 ft
 Station: 1211+54.22
 Offset: 33.6196 LT

Page 1 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
	Drilled without sampling														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-24-2014	Complete Drilling	04-24-2014	While Drilling	NA		
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	NA		
Driller	N&J	Logger	A. Happel	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	NA		
Drilling Method	2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG 1715-PMT-01
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.37 ft
 North: 1898101.38 ft
 East: 1171922.25 ft
 Station: 1211+54.22
 Offset: 33.6196 LT

Page 2 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
	SILTY CLAY LOAM, little gravel														
	Hard, gray SILTY CLAY, little gravel	55		1	11 11 20	4.10 B	16								
	Very dense, gray SANDY GRAVEL	80		3	43		11								
	Hard, gray SILTY CLAY LOAM	90		5	34 40	28 22	15								
	Very dense, gray SILTY LOAM, trace gravel	95		6	50 4		15								
	Very dense, gray SILTY LOAM to	75		2	18 29 48	7.38 S	13								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-24-2014	Complete Drilling	04-24-2014	While Drilling	NA		
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	NA		
Driller	N&J	Logger	A. Happel	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	NA		
Drilling Method	2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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BORING LOG 1715-PMT-01
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 586.37 ft
 North: 1898101.38 ft
 East: 1171922.25 ft
 Station: 1211+54.22
 Offset: 33.6196 LT

Page 3 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
	Very dense, gray SANDY GRAVEL	105		8	50 4		12								
	Strong, light gray and white, poor rock mass quality, bedded, moderately wuggy porous, fresh DOLOSTONE, up to 7-inch beds, 3-inch spaced joints, horizontal joints with 0.05 to more than 0.2-inch infilling, hard joint wall, with greenish gray argillaceous infill, and silty surfaces.	110		1											
	Boring terminated at 114.50 ft	115													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-24-2014	Complete Drilling	04-24-2014	While Drilling	NA		
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	NA		
Driller	N&J	Logger	A. Happel	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	NA		
Drilling Method	2.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

0160461-60X78-5137-BOR.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - PJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS II STRUCTURE NO. 016-0461	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	414
	PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -			CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

SHEET NO. S2-137 OF S2-145 SHEETS

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

Datum: NAVD 88
 Elevation: 587.18 ft
 North: 1898107.11 ft
 East: 1172063.72 ft
 Station: 1210+23.99
 Offset: 19.2353 RT

Page 3 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
587.2	9.5-inch thick CONCRETE --PAVEMENT--	0						587.2							
587.4	Gray CRUSHED STONE --BASE COURSE--	1		1	10	NP	17	587.4							
586.6	Medium dense, brown and black SILTY LOAM	2		2	10	NP	20	586.6							
586.6	Loose, brown, fine SAND	3		3	10	NP	20	586.6							
583.6	Stiff, brown SILTY CLAY LOAM, trace gravel	4		4	10	1.31 B	20	583.6							
581.4	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	5		5	10	0.49 B	24	581.4							
		10		10	10	0.25 B	28								
		15		15	10	0.17 B	26								
		20		20	10	0.16 B	26								
		25		25	10	0.16 B	27								

GENERAL NOTES
 Begin Drilling: 03-24-2014
 Complete Drilling: 03-24-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: M de los Reyes
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", 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.

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BORING LOG 0461-B-02
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 589.44 ft
 North: 1898095.48 ft
 East: 1172219.91 ft
 Station: 1208+62.48
 Offset: 26.1117 RT

Page 1 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
588.4	9.5-inch thick CONCRETE --PAVEMENT--	0						588.4							
587.4	Gray CRUSHED STONE --BASE COURSE--	1		1	10	NP	17	587.4							
586.6	Medium dense, brown and black SILTY LOAM	2		2	10	NP	20	586.6							
586.6	Loose, brown, fine SAND	3		3	10	NP	20	586.6							
583.6	Stiff, brown SILTY CLAY LOAM, trace gravel	4		4	10	1.31 B	20	583.6							
581.4	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	5		5	10	0.49 B	24	581.4							
		10		10	10	0.25 B	28								
		15		15	10	0.17 B	26								
		20		20	10	0.16 B	26								
		25		25	10	0.16 B	27								

GENERAL NOTES
 Begin Drilling: 03-20-2014
 Complete Drilling: 03-20-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", 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.

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BORING LOG 0461-B-02
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 589.44 ft
 North: 1898095.48 ft
 East: 1172219.91 ft
 Station: 1208+62.48
 Offset: 26.1117 RT

Page 2 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
587.7	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel	0						587.7							
		5		5	9	5.41 B	18								
		10		10	11	5.41 B	18								
		15		15	11	5.41 B	18								
		20		20	12	5.25 B	17								
		25		25	12	5.25 B	17								
		30		30	13	5.25 B	17								
		35		35	13	5.25 B	17								
		40		40	14	4.18 B	16								
		45		45	14	4.18 B	16								
		50		50	15	6.15 B	15								
		55		55	13	6.15 B	15								
		60		60	13	6.15 B	15								
		65		65	11	6.97 S	13								
		70		70	11	6.97 S	13								
		75		75	19	6.97 S	13								

GENERAL NOTES
 Begin Drilling: 03-20-2014
 Complete Drilling: 03-20-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", 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.

-L₁(%)=27, P₁(%)=17-
 -%Gravel=3.6-
 -%Sand=18.7-80
 -%Silt=58.0-
 -%Clay=19.7-
 --A-4 (6)--

0160461-60X78-5139-BOR.dgn

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BORING LOG 0461-B-02
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 589.44 ft
 North: 1898095.48 ft
 East: 1172219.91 ft
 Station: 1208+62.48
 Offset: 26.1117 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
487.4	--DIFFICULT DRILLING-- --WEATHERED BEDROCK--														
485.4	--AUGER REFUSAL-- Boring terminated at 104.00 ft														

GENERAL NOTES
 Begin Drilling: 03-20-2014
 Complete Drilling: 03-20-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozza
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5', 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.

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BORING LOG 0461-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: 592.02 ft
 North: 1898094.57 ft
 East: 1172338.82 ft
 Station: 1207+43.60
 Offset: 28.6318 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
591.2	10-inch thick CONCRETE --PAVEMENT--														
	Medium dense, brown GRAVELLY SAND --FILL--														
	Medium dense, brown and gray SAND to SANDY LOAM --WET-- --FILL--10														
	Brown GRAVELLY SAND --FILL--														
	Stiff, gray SILTY CLAY, trace gravel --FILL--														
	Gray SAND														
	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel														
	Stiff, gray SILTY CLAY, trace gravel														

GENERAL NOTES
 Begin Drilling: 03-23-2014
 Complete Drilling: 03-23-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: M. de los Reyes
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5', 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.

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BORING LOG 0461-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: 592.02 ft
 North: 1898094.57 ft
 East: 1172338.82 ft
 Station: 1207+43.60
 Offset: 28.6318 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Cu (tsf)	Moisture Content (%)
590.0	Very stiff to hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel														
	--HARD DRILLING-- --Possible Cobbles--														
	--WEATHERED BEDROCK-- --AUGER REFUSAL-- Boring terminated at 91.00 ft														
	--3-in gray SILT, wet--														

GENERAL NOTES
 Begin Drilling: 03-23-2014
 Complete Drilling: 03-23-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: M. de los Reyes
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5', 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.

0160461-60X78-5140-BOR.dgn



USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS V
 STRUCTURE NO. 016-0461
 SHEET NO. S2-140 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	417
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.1	10-inch thick CONCRETE -PAVEMENT-						592.1						
588.6	Black SAND and GRAVEL, some asphalt tar -BASE COURSE-	1	15	19	NP	19							
	Very loose to dense, black and brown LOAM to fine SAND, trace glass and cinders -FILL-	2	5	7	NP	13							
		3	2	1	NP	21							
583.4	Stiff (1.56B), brown and gray SILTY CLAY LOAM, trace gravel	4	2	2	NP	17							
	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel	5	1	0	0	0.25	27						
		6	0	0	0	0.33	27						
		7	0	0	0	0.25	28						
		8	0	0	0	0.16	20						
		9	0	0	0	0.16	26						
		10	0	0	0	0.16	31						
							546.1	Stiff to hard, gray SILTY CLAY, trace gravel					

GENERAL NOTES
 Begin Drilling 03-18-2014 Complete Drilling 03-20-2014
 Drilling Contractor Wang Testing Services Drill Rig B-57.TMR
 Driller P&P Logger D. Kolpacki Checked by C. Marin
 Drilling Method 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 6.00 ft
 At Completion of Drilling NA
 Time After Drilling 48 hours
 Depth to Water 72.00 ft

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.1							592.1						
		11	0	1	2	0.25	27						
		12	1	2	1	0.16	26						
		13	1	2	1	0.41	25						
		14	2	1	1	0.49	25						
		15	12	14	15	8.20	12						
		16	2	1	1	0.25	26						
		17	5	5	5	5.00	15						
		18	6	12	17	3.53	21						
		19	12	14	15	8.20	12						
		20	14	11	19	8.77	13						
		21	13	25	50	NP	20						
							516.1	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel					
							531.1	Hard, gray SILTY CLAY LOAM to SILTY LOAM, trace gravel					
							501.1	Very dense, gray GRAVELLY SAND -WET-					
							521.1	Very dense, gray SAND, SILT and CLAY interbedded -WET-					
							489.4	--WEATHERED BEDROCK--					
							488.4	Strong, light gray, fair rock mass 105 quality, bedded fresh DOLOSTONE, up to 3.5-foot beds, 7-inch joints spacing, horizontal joints with none to more than 0.2-inch greenish gray argillaceous infilling, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity					
							479.4	Boring terminated at 113.50 ft					

GENERAL NOTES
 Begin Drilling 03-18-2014 Complete Drilling 03-20-2014
 Drilling Contractor Wang Testing Services Drill Rig B-57.TMR
 Driller P&P Logger D. Kolpacki Checked by C. Marin
 Drilling Method 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 6.00 ft
 At Completion of Drilling NA
 Time After Drilling 48 hours
 Depth to Water 72.00 ft

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

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
592.1							592.1						
							489.4	--WEATHERED BEDROCK--					
							488.4	Strong, light gray, fair rock mass 105 quality, bedded fresh DOLOSTONE, up to 3.5-foot beds, 7-inch joints spacing, horizontal joints with none to more than 0.2-inch greenish gray argillaceous infilling, hard joint wall, with stylolitic surfaces, and moderately vuggy porosity					
							479.4	Boring terminated at 113.50 ft					

GENERAL NOTES
 Begin Drilling 03-18-2014 Complete Drilling 03-20-2014
 Drilling Contractor Wang Testing Services Drill Rig B-57.TMR
 Driller P&P Logger D. Kolpacki Checked by C. Marin
 Drilling Method 3.25" HSA to 10', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling 6.00 ft
 At Completion of Drilling NA
 Time After Drilling 48 hours
 Depth to Water 72.00 ft

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

0160461-60X78-5141-BOR.dgn

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BORING LOG 0461-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 593.15 ft
 North: 1898099.49 ft
 East: 1172659.59 ft
 Station: 1204+21.15
 Offset: 29.1659 RT

Page 1 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
592.5	8-inch thick CONCRETE -PAVEMENT-												
591.5	12-inch thick CRUSHED STONE -BASE COURSE-												
	Medium dense, brown and gray SAND to SANDY LOAM, trace cinders and construction debris -FILL-	1	3	11	NP	9			11	1	2	0.49	25
		2	7	9	NP	10			12	1	2	0.33	24
		3	2	2	NP	8			13	1	2	0.33	24
		4	3	3	NP				14	0	1	0.33	24
		5	2	2	NP	22			15	1	2	0.33	25
580.1	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	6	1	3	B	22			16	2	3	0.74	24
		7	0	1	N/6				17	1	2	6.64	13
		8	1	1	B	28			18	5	14	3.53	21
		9	0	0	B	26			19	7	12	5.33	N/6
		10	1	1	B	35			20	11	17	6.64	B
									21	14	26	5.49	B
									22	14	30	5.49	B

GENERAL NOTES
 Begin Drilling: 03-19-2014
 Complete Drilling: 03-19-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 10.50 ft
 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.

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BORING LOG 0461-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 593.15 ft
 North: 1898099.49 ft
 East: 1172659.59 ft
 Station: 1204+21.15
 Offset: 29.1659 RT

Page 2 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
536.4	Very stiff to hard, gray SILTY CLAY, trace gravel	17	4	4	B	19			22	14	25	4.51	12
		18	5	14	B	21			23	19	27	5.08	S
		19	7	12	N/6				24	15	25	NP	18
		20	11	17	B	13			25	43	50	NP	12
		21	14	26	B	17			26	80	8	NP	11

GENERAL NOTES
 Begin Drilling: 03-19-2014
 Complete Drilling: 03-19-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 10.50 ft
 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.

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BORING LOG 0461-B-05
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 593.15 ft
 North: 1898099.49 ft
 East: 1172659.59 ft
 Station: 1204+21.15
 Offset: 29.1659 RT

Page 3 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
491.1	-DIFFICULT DRILLING- -WEATHERED BEDROCK- -AUGER REFUSAL- Boring terminated at 102.00 ft												

GENERAL NOTES
 Begin Drilling: 03-19-2014
 Complete Drilling: 03-19-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&N
 Logger: F. Bozga
 Checked by: C. Marin
 Drilling Method: 2.25" SSA to 12.5", mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA
 While Drilling: 10.50 ft
 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.

0160461-60X78-5142-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED - PJL	REVISED -
PLOT SCALE = N.T.S.	CHECKED - AH	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	419
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

SHEET NO. S2-142 OF S2-145 SHEETS

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BORING LOG 0461-B-07
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 598.46 ft
 North: 1898107.61 ft
 East: 1172998.12 ft
 Station: 5202+57.62
 Offset: 72.7190 RT

Page 3 of 3

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
598.4	Strong, light gray, excellent rock mass quality, bedded fresh DOLOSTONE, up to 5-foot beds, 17-inch joints spacing, horizontal and vertical joints with less than 0.2-inch infilling, hard joint wall, with stylitic surfaces, and moderately vuggy porosity. --Run 1 - RECOVERY=100%-- --RQD=94%--														
488.5	Boring terminated at 100.00 ft	100													

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	10-23-2013	Complete Drilling	10-24-2013
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&K	Logger	A. Happel
Checked by	C. Marin	Depth to Water	NA
Drilling Method	2.25" HSA to 20', mud rotary thereafter, boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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BORING LOG 0461-B-08A
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: field
 Elevation: 604.50 ft
 North: 1898072.88 ft
 East: 1173175.26 ft
 Station:
 Offset:

Page 1 of 1

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
604.5	11-inch thick ASPHALT --PAVEMENT--														
603.4	11-inch thick CONCRETE --PAVEMENT--														
601.1	Medium dense, brown GRAVELLY SANDY LOAM, some cinders	1		1	15	NP	13	576.5	Stiff to very stiff, gray SILTY CLAY, trace gravel	11		1	0.33	33	
	--FILL--	2		2	7	NP	20			12		2	1.39	19	
	Loose to medium dense, brown SANDY LOAM, trace to little gravel	3		3	4	NP	12			13		3	2.54	23	
	--FILL--	4		4	10	NP	22			35		10			
598.4	Loose, dark brown SILTY LOAM --Saturated--	5		5	10	NP	22								
594.4	Stiff to very stiff, brown and gray SILTY CLAY, trace gravel	6		6	10	B	2.21	587.5	--AUGER REFUSAL-- --Obstruction at 37 feet-- --Boring relocated 40 feet west across the road-- Boring terminated at 37.00 ft	7		10			
589.4	Soft, gray CLAY to SILTY CLAY, trace gravel	7		7	10	B	0.33			14		1	0.16	26	
		8		8	10	P	0.25			15		2	0.41	24	
		9		9	10	B	0.33			16		3	0.83	N/E	
		10		10	10	B	0.33								

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-24-2014	Complete Drilling	02-24-2014
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&K	Logger	D. Kolpacki
Checked by	CLM-coord	Depth to Water	8.75 ft
Drilling Method	2.25" HSA to 15', mud rotary thereafter, boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

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BORING LOG 0461-B-08B
 WEI Job No.: 1100-04-01
 Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 592.61 ft
 North: 1898101.61 ft
 East: 1173154.73 ft
 Station: 5201+00.40
 Offset: 64.1086 RT

Page 1 of 2

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
	Drilled without sampling to 37 feet														
								555.6	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	14		1	0.16	26	
										15		2	0.41	24	
										16		3	0.83	N/E	

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	02-25-2014	Complete Drilling	02-25-2014
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR
Driller	R&K	Logger	D. Kolpacki
Checked by	C. Marin	Depth to Water	77.00 ft
Drilling Method	2.25" HSA to 15', mud rotary thereafter, boring backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.	

0160461-60X78-5144-BOR.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED - PJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS IX STRUCTURE NO. 016-0461	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	421
	PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -	SHEET NO. S2-144 OF S2-145 SHEETS			CONTRACT NO. 60X78			
						ILLINOIS FED. AID PROJECT				

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BORING LOG 0461-B-08B

Page 2 of 2

WEI Job No.: 1100-04-01

Client: **AECOM**
 Project: **Circle Interchange Reconstruction**
 Location: **Section 17, T39N, R14E of 3rd PM**

Datum: NAVD 88
 Elevation: 592.61 ft
 North: 1898101.61 ft
 East: 1173154.73 ft
 Station: 5201+00.40
 Offset: 64.1086 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
515.9	Medium dense to dense, gray, coarse SAND, trace to little gravel --SATURATED--	55	17	3 3 5	0.57	28	515.9	Medium dense to dense, gray, coarse SAND, trace to little gravel --SATURATED--	80	22	9 12 12	NP	15
535.9	Very stiff to hard, gray SILTY CLAY, trace gravel	60	18	4 11	2.30	22	535.9	Very dense, gray SILTY LOAM --SATURATED--	85	23	18 17 23	NP	11
	-L(%)=34, P(%)=18-- -%Gravel=4.1-- -%Sand=11.7--65 -%Silt=49.5-- -%Clay=34.7-- --A-6 (12)--	70	19	8 8 14	3.44	19	505.9	Very dense, gray SILTY LOAM --SATURATED--	90	24	20 50/6	NP	21
		70	2	10 13 18	5.17	28	499.1	--DIFFICULT DRILLING-- --WEATHERED BEDROCK-- --AUGER REFUSAL-- Boring terminated at 94.50 ft	95				
520.9	Medium stiff, gray CLAY, trace gravel	75	21	6 7 9	0.98	26	498.1						

GENERAL NOTES

Begin Drilling: 02-25-2014
 Complete Drilling: 02-25-2014
 Drilling Contractor: Wang Testing Services
 Drill Rig: CME-55 TMR
 Driller: R&K
 Logger: D. Kolpacki
 Checked by: C. Marin
 Drilling Method: 2.25" HSA to 15', mud rotary thereafter, boring backfilled upon completion

WATER LEVEL DATA

While Drilling: NA
 At Completion of Drilling: 77.00 ft
 Time After Drilling: NA
 Depth to Water: NA
 The stratification lines represent the approximate boundary between soil types. The actual transition may be gradual.

0160461-60X78-5145-BOR.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
 PLOT SCALE = N.T.S.
 PLOT DATE = 3/23/2016

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

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SHEET NO. S2-145 OF S2-145 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	422
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

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

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

STATE OF ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004R&B	COOK	706	422A
ILLINOIS CONTRACT NO. 60X78				

DESIGN DESIGNATIONS:
 WB I-290
 CANAL STREET ENTRANCE

POSTED /DESIGN SPEEDS:
 31,000(2040) INTERSTATE
 4,000(2040) INTERSTATE RAMP

45 /50 MPH
 30 /30 MPH

PROJECT LOCATED IN CITY OF CHICAGO

D-91-227-13

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

**FAI ROUTE 90/94 AT I-290/CONGRESS PARKWAY
 (JANE BYRNE INTERCHANGE)
 BRIDGE WESTBOUND (EAST OF DES PLAINES) &
 I-290 WESTBOUND BRIDGE OVER I-90/94
 SECTION 2014-004R&B
 BRIDGE AND RETAINING WALL CONSTRUCTION,
 ROADWAY RECONSTRUCTION,
 AND LIGHTING**

**PROJECT:
 COOK COUNTY
 C-91-189-14**



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

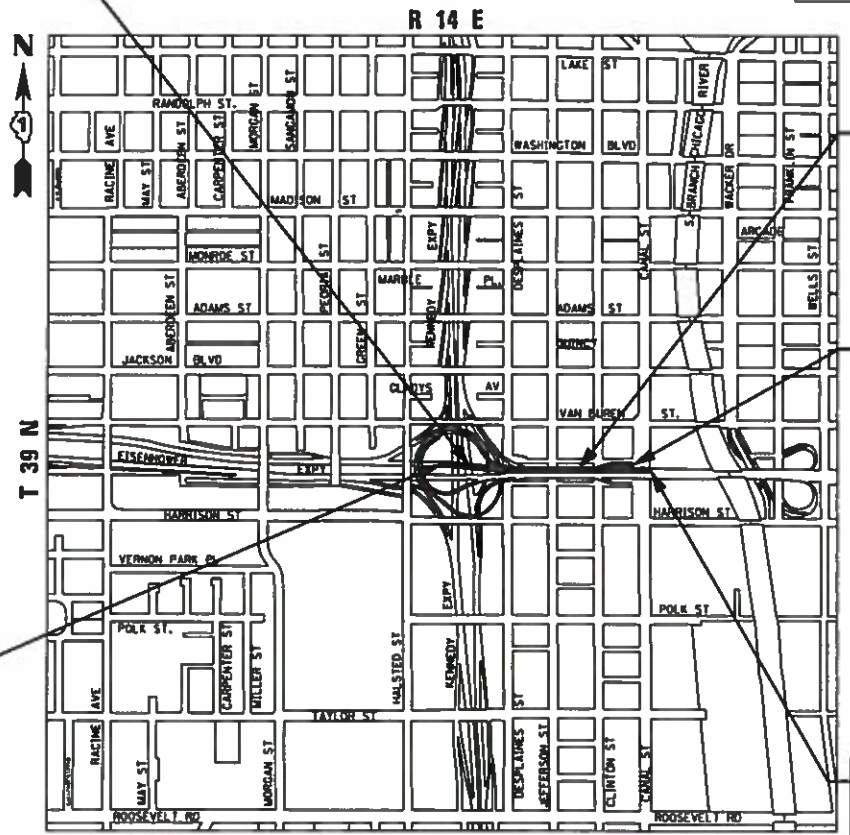
**WB I-290 OVER
 I-90/94 BRIDGE
 SN 016-1703
 STA 5212+92.32 TO
 STA 5218+04.93**

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

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

**END PROJECT LIMIT
 STA 5218+33.89**

**BEGIN PROJECT LIMIT
 STA 5199+90.74**



DANNY B. MANOJLOVSKI
 062-051233
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE 3/14/16
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 1-129, 133-146, 422A
 681-693, 694-706

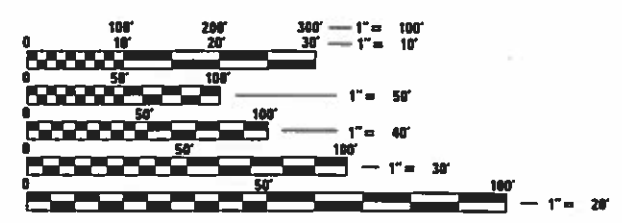
JAMAL I. GRAINAWI
 081-00661
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE 3/14/16
 LICENSE EXPIRES 11/30/2016
 SHEET RANGE 147-152, 186-238
 278-422, 617-625

WILLIAM D. STERNER
 062-060936
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE 3/14/16
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 153-185

MATTHEW S. COOPER
 083-058208
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE 3/14/16
 LICENSE EXPIRES 11/30/2016
 SHEET RANGE 1-129, 133-146, 422A
 681-693, 694-706

ORANIT P. SANCHEZ
 062-062643
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
 DATE 3/14/16
 LICENSE EXPIRES 11/30/2017
 SHEET RANGE 1-129, 133-146, 422A
 681-693, 694-706

VOLUME II OF II



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

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

**PROJECT ENGINEER: LISA CHRZASC
 PROJECT MANAGER: BRIAN KUTTAB**

CONTRACT NO. 60X78

AECOM

PARSONS BRINCKERHOFF

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED March 14, 2016

John Fortman
 REGIONAL ENGINEER

 ENGINEER OF DESIGN AND ENVIRONMENT

 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

FOR INFORMATION ONLY

301-6-3

INDEX OF SHEETS.
SEE SHEET NO. 2

STATE OF ILLINOIS
COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

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

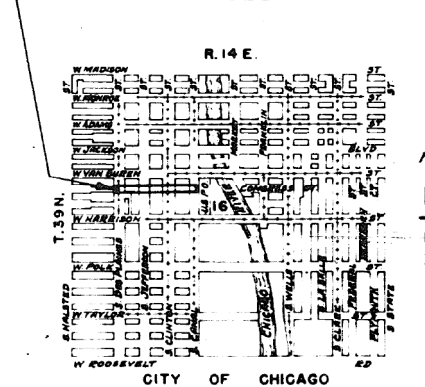
CONGRESS STREET SUPERHIGHWAY

DES PLAINES STREET TO CANAL STREET

SEC.- 062-2424.4 - M.F.T.

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

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.



COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

APPROVED *[Signature]* 10-26-16
ASST. CHIEF ENGINEER

APPROVED *[Signature]* 10-26-16
CHIEF ENGINEER

APPROVED *[Signature]* 10-26-16
SUPERINTENDENT

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

SUBMITTED: _____

EXAMINED: _____

PASSED: _____

APPROVED: _____

APPROVED: _____

PLANS APPROVED
BY STATE DIVISION OF HIGHWAYS

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

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

RECOMMENDED FOR APPROVAL:

DISTRICT ENGINEER _____ DATE _____

APPROVED: _____

DIVISION ENGINEER _____ DATE _____

C.P. 431

0160461-60X78-5146-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

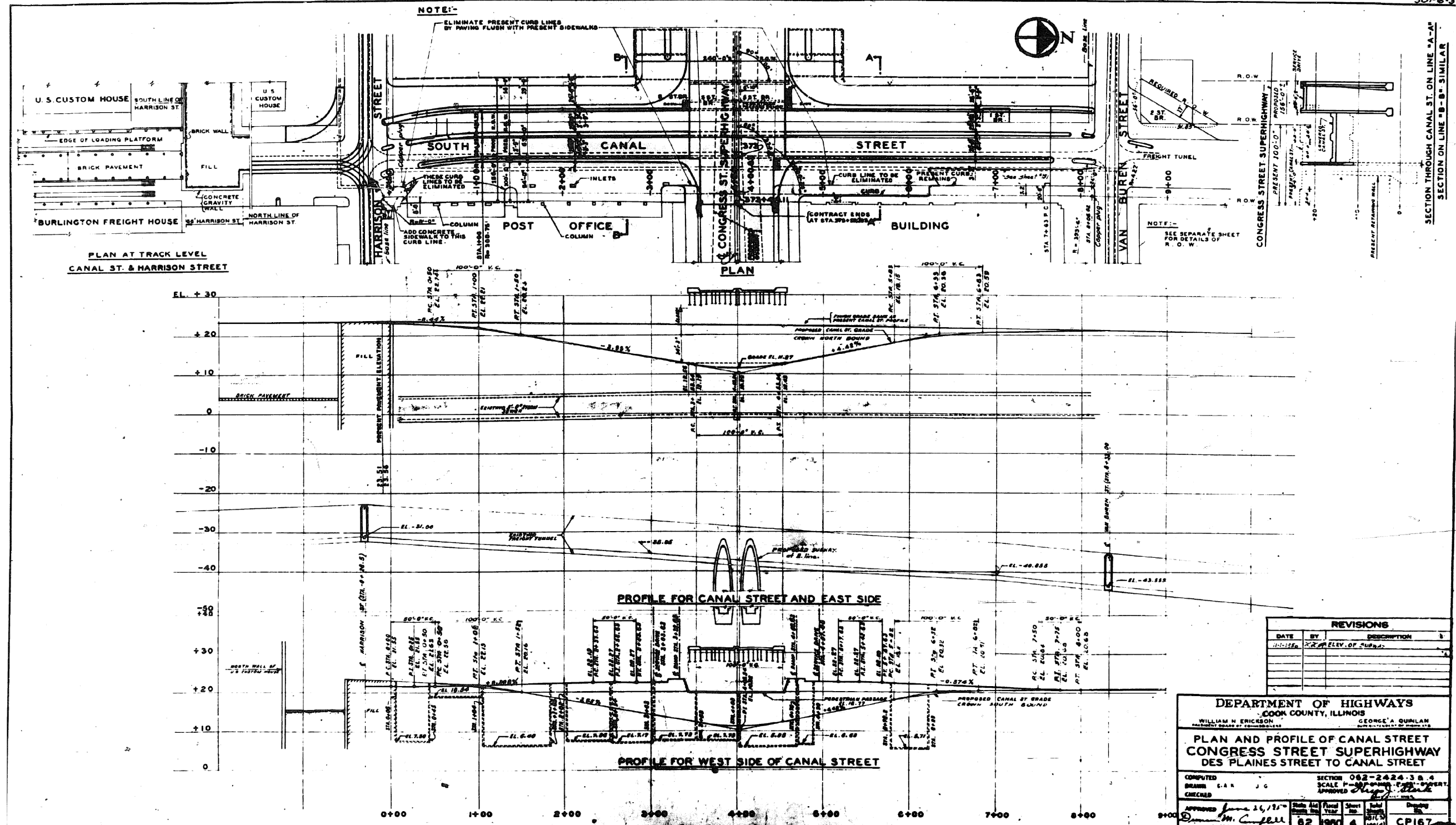
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 1 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	423

CONTRACT NO. 60X78
ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

501-6-3



REVISIONS			
DATE	BY	DESCRIPTION	
11-11-66	JG	EL. OF TUNNEL	1

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICSON
COUNTY ENGINEER

GEORGE A. QUINLAN
SUPERVISOR OF HIGHWAYS

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

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

SECTION 062-2424-38.4
SCALE: HORIZONTAL - AS SHOWN, VERTICAL - 1"=10'
APPROVED: *[Signature]*

APPROVED	DATE	SCALE	SHEET NO.	TOTAL SHEETS	DRAWING NO.
<i>[Signature]</i>	June 26, 1966	62	1960	4	CP167

0160461-60X78-5149-EXT.dgn

**PARSONS
BRINCKERHOFF**

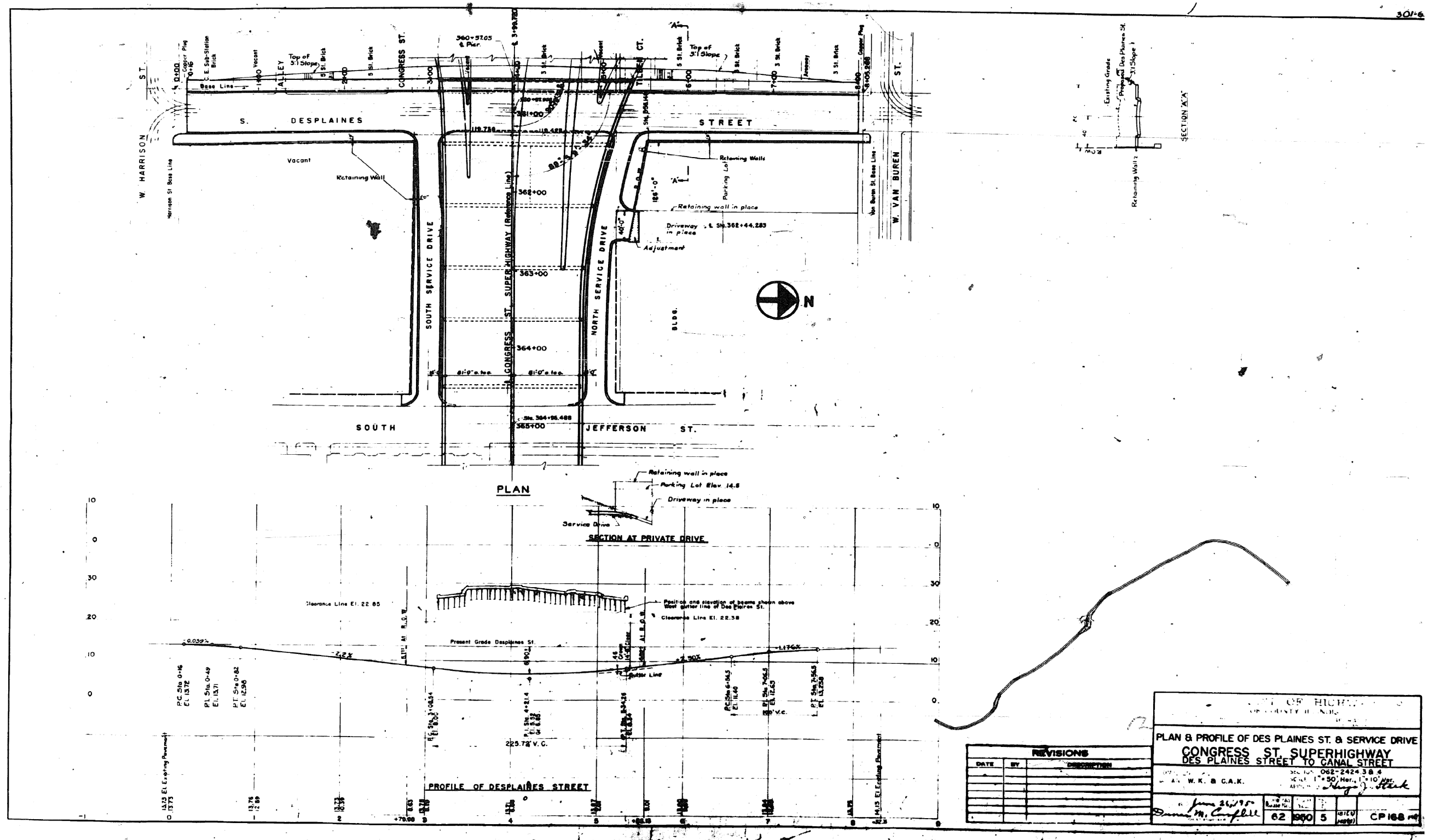
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	426
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X78-5150-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld
 DESIGNED -
 CHECKED -
 DRAWN - DCP
 CHECKED - JIG
 PLOT SCALE = N.T.S.
 PLOT DATE = 3/23/2016

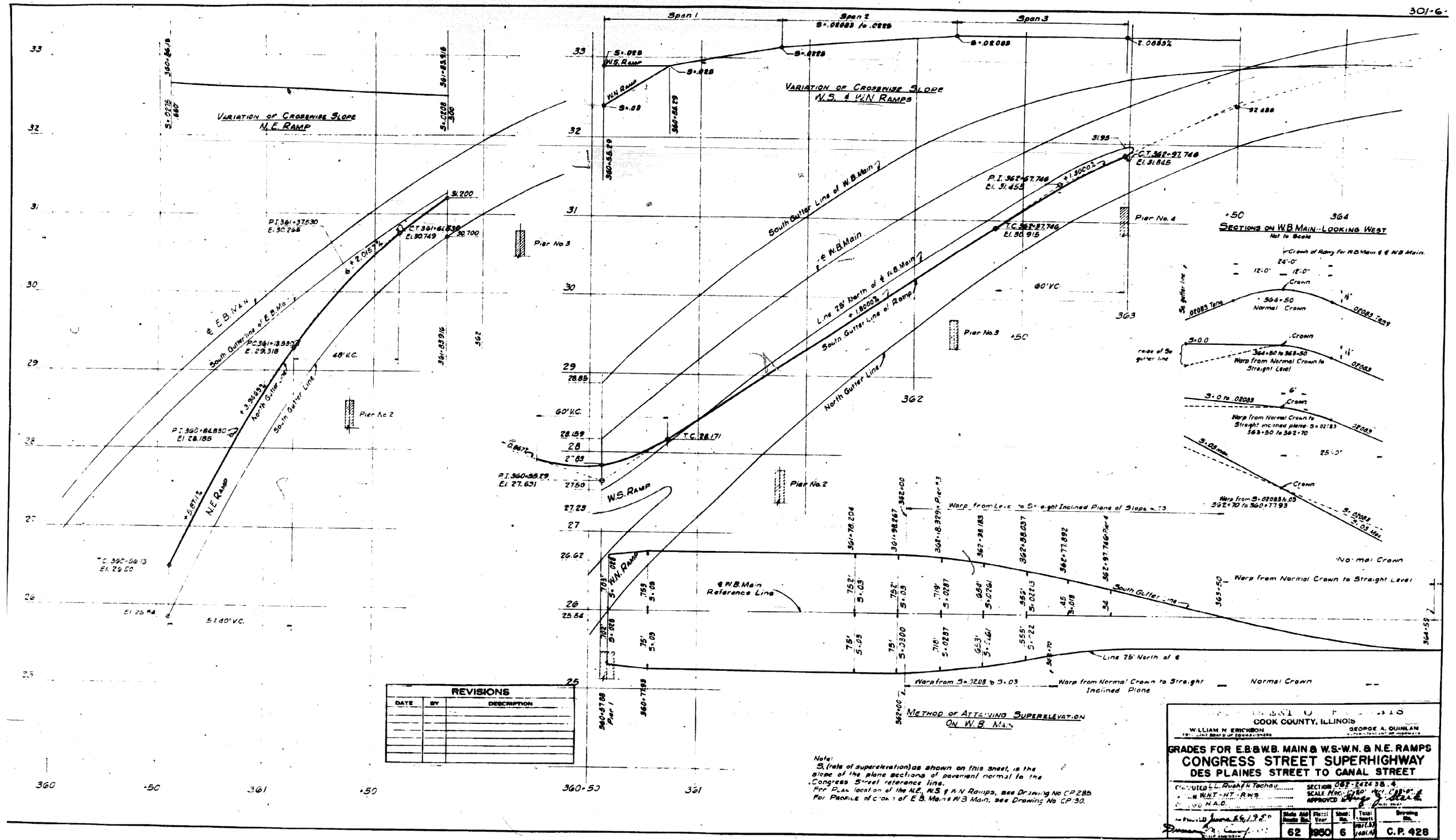
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	427
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

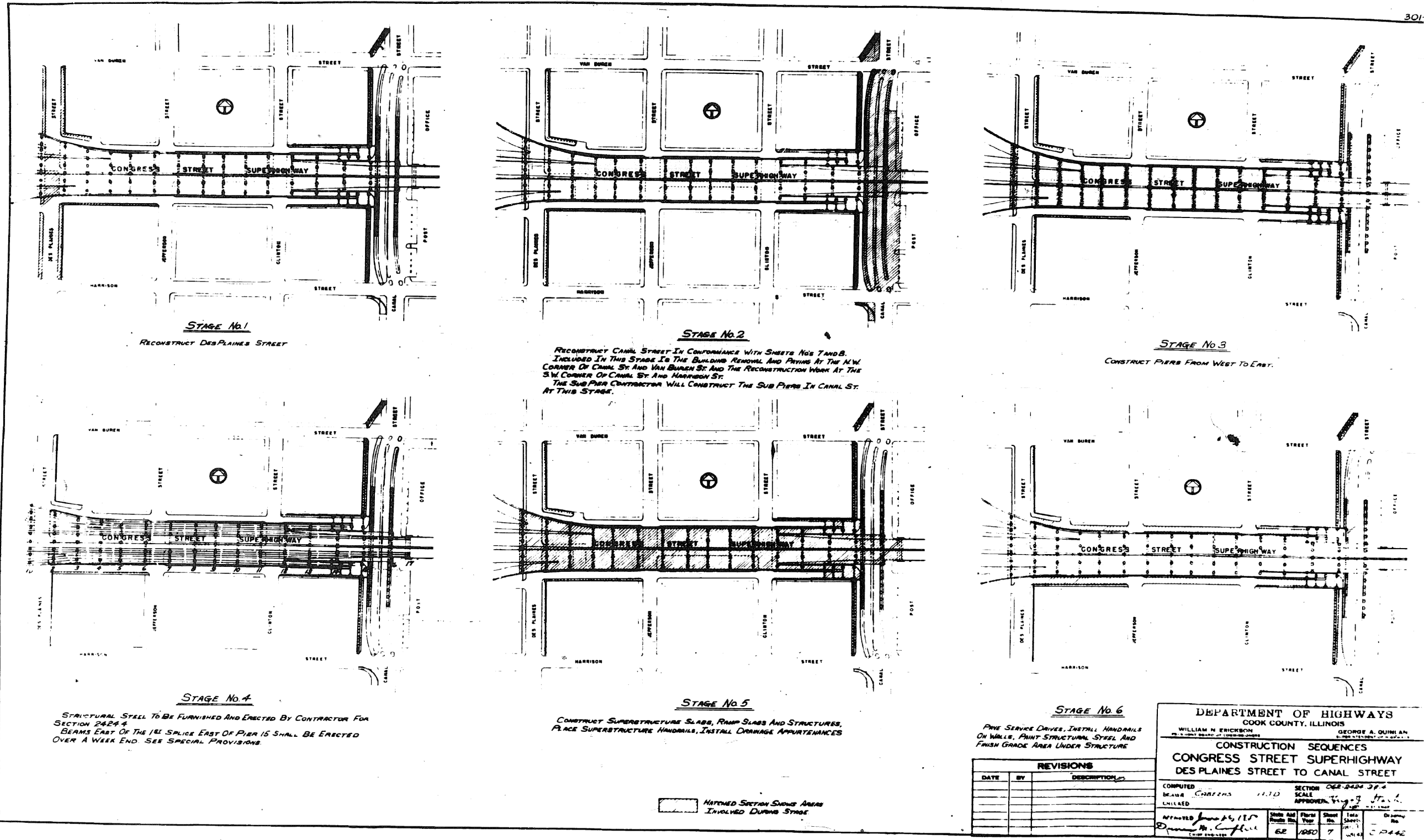


0160461-60X78-5151-EXT.dgn

PARSONS BRINCKERHOFF	USER NAME = pateld	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING PLANS STRUCTURE NO. 016-0461 SHEET NO. 6 OF 194 SHEETS	F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -			90/94/290	2014-004 R&B (WB)	COOK	706	428
	PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -			CONTRACT NO. 60X78 ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301



STAGE No. 1
RECONSTRUCT DES PLAINES STREET

STAGE No. 2
RECONSTRUCT CANAL STREET IN CONFORMANCE WITH SHEETS NO. 2 AND B. INCLUDED IN THIS STAGE IS THE BUILDING REMOVAL AND PAVING AT THE N.W. CORNER OF CANAL ST. AND VAN BUREN ST. AND THE RECONSTRUCTION WORK AT THE S.W. CORNER OF CANAL ST. AND HARRISON ST. THE SUBPIER CONTRACTOR WILL CONSTRUCT THE SUB PIERS IN CANAL ST. AT THIS STAGE.

STAGE No. 3
CONSTRUCT PIERS FROM WEST TO EAST.

STAGE No. 4
STRUCTURAL STEEL TO BE FURNISHED AND ERECTED BY CONTRACTOR FOR SECTION 2424.4. BEAMS EAST OF THE 1ST SPlice EAST OF PIER 15 SHALL BE ERECTED OVER A WEEK END. SEE SPECIAL PROVISIONS.

STAGE No. 5
CONSTRUCT SUPERSTRUCTURE SLABS, RAMP SLABS AND STRUCTURES, PLACE SUPERSTRUCTURE HANDRAILS, INSTALL DRAINAGE APPURTENANCES

STAGE No. 6
PAVE SERVICE DRIVES, INSTALL HANDRAILS ON WALLS, PAINT STRUCTURAL STEEL AND FINISH GRADE AREA UNDER STRUCTURE

HATCHED SECTION SHOWS AREAS INVOLVED DURING STAGE

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

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

CONSTRUCTION SEQUENCES
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

COMPUTED BY: CHAZEN
SCALE: APPROXIMATE
DRAWN BY: J. G. [Signature]
CHECKED BY: M. [Signature]

SECTION: 062-2424.3P.4
DATE: 11.10
SHEET NO.: 7
TOTAL SHEETS: 194

0160461-60X78-5152-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

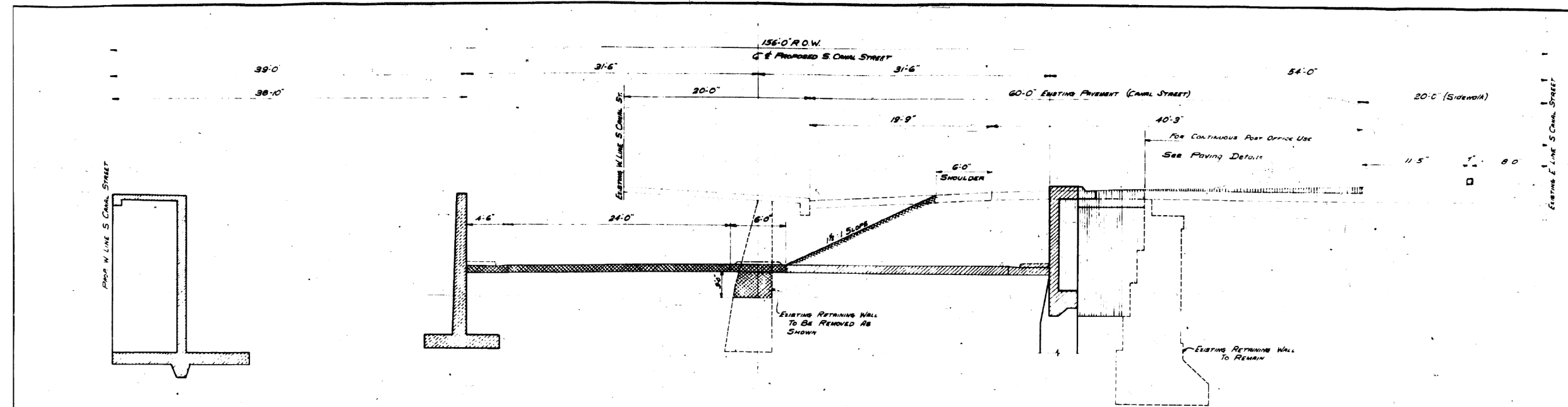
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	429
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

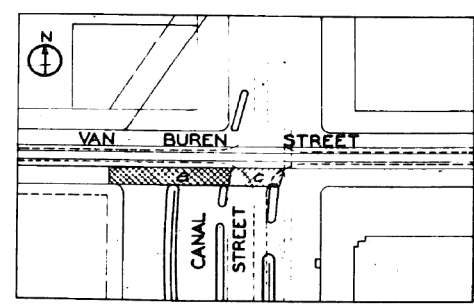
301-6-3



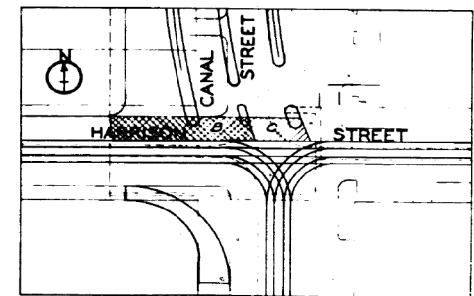
TYPICAL SECTION CANAL STREET
VIEW NORTH

STAGE No. 2

- PHASE A** [Hatched] BUILD TWO WEST RETAINING WALLS FROM HARRISON ST. TO VAN BUREN ST. AND RECONSTRUCT N.W. CORNER OF CANAL ST. AND VAN BUREN ST. AND RECONSTRUCT S.W. CORNER OF CANAL ST. AND HARRISON ST. THE EXISTING PAVEMENT OF CANAL ST. REMAINING UNDISTURBED AT GRADE.
- PHASE B** [Dotted] CUT AND PAVE WEST 34'-6" 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** [Diagonal Lines] 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** [Horizontal Lines] FILL BACK OF WALL AND COMPLETE POST OFFICE DRIVE.



PAVEMENT
CANAL STREET & VAN BUREN STREET



PAVEMENT
CANAL STREET & HARRISON STREET

REVISIONS		
DATE	BY	DESCRIPTION
5/15/16	ASD	As Per Interference Requirements

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

CONSTRUCTION SEQUENCES
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET

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

DATE: June 24, 2016

SCALE: 1" = 20'

PROJECT NO. 62-1850-B

SHEET NO. 8 OF 194 SHEETS

CONTRACT NO. 60X78

0160461-60X78-5153-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

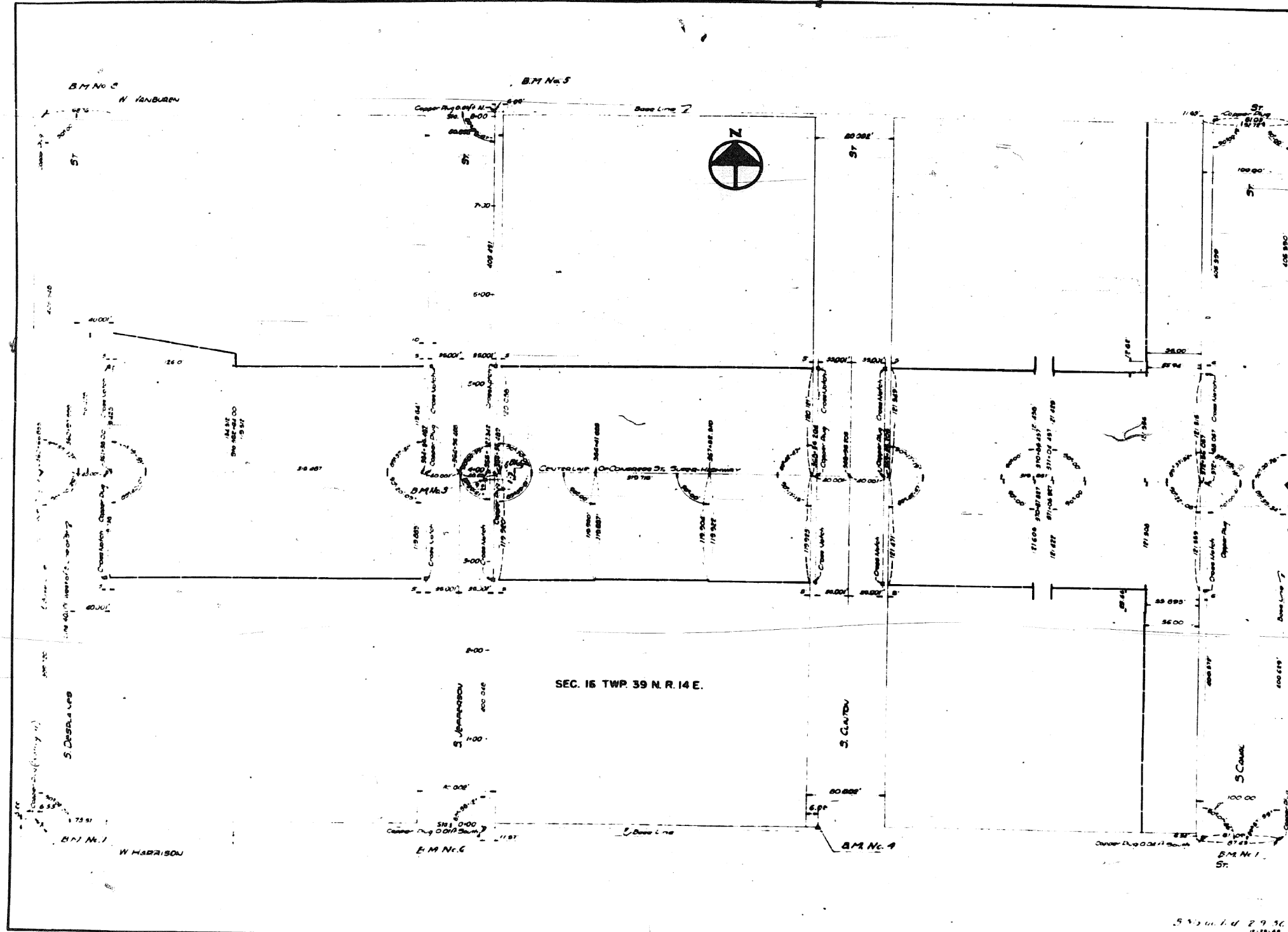
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	430
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



BENCH MARKS

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

Note: Above B.M.s from field notes #2011 dated 9/24/46

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. ERICHSOHN
REGISTERED SURVEYOR

GEORGE A. GUNLAW
REGISTERED SURVEYOR

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

COMPUTERGRAPHIC SURVEYING CO. INC. 1500 S. MICHIGAN ST. CHICAGO, ILL. 60605
DRAWN BY: [Signature] APPR'D BY: [Signature]

APPROVED: [Signature] DATE: 3-18-99

Sheet No.	62	Total Sheets	194
Year	1950	Project No.	9
Scale	1" = 40'	Contract No.	C.P. 198

0160461-60X78-5154-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

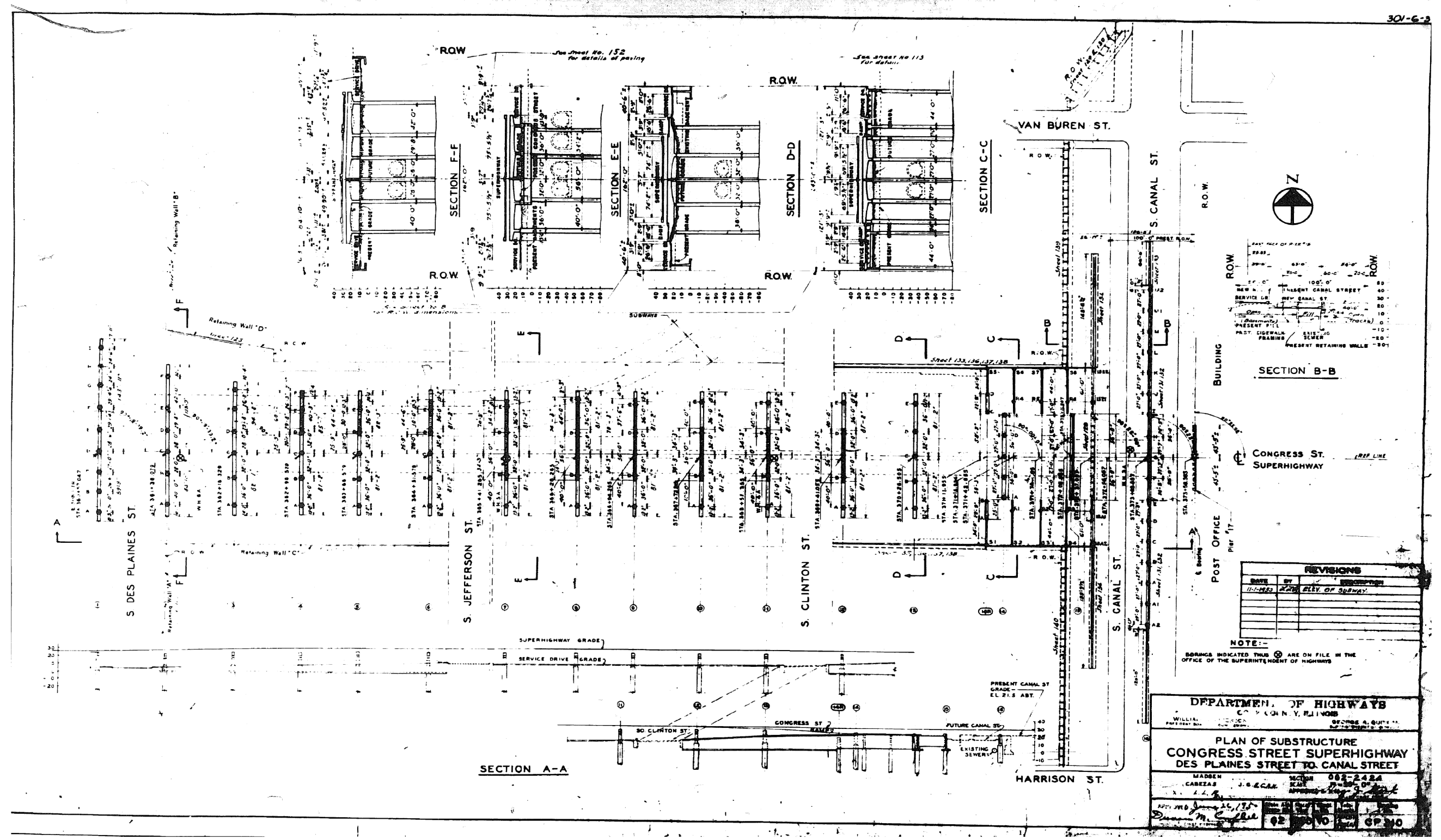
EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 9 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	431
CONTRACT NO. 60X78				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

301-6-2



SECTION B-B

100'-0"	100'-0"
80'-0"	80'-0"
60'-0"	60'-0"
40'-0"	40'-0"
20'-0"	20'-0"
0'-0"	0'-0"
-20'-0"	-20'-0"
-40'-0"	-40'-0"
-60'-0"	-60'-0"
-80'-0"	-80'-0"
-100'-0"	-100'-0"

REVISIONS

DATE	BY	DESCRIPTION
11-11-82	RWB	ELY. OF SPAN

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

DEPARTMENT OF HIGHWAYS
 COUNTY OF ILLINOIS

WILLIAM J. MADSEN
 GEORGE A. QUINN

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

MADSEN
 CABEZAS

SECTION 062-242A
 SCALE 1"=30'-0"

DATE 11/11/82
 APPROVED BY [Signature]

POST OFFICE Pier 17

0160461-60X78-5155-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE = N.T.S.	DRAWN - DCP	REVISED -
PLOT DATE = 3/23/2016	CHECKED - JIG	REVISED -

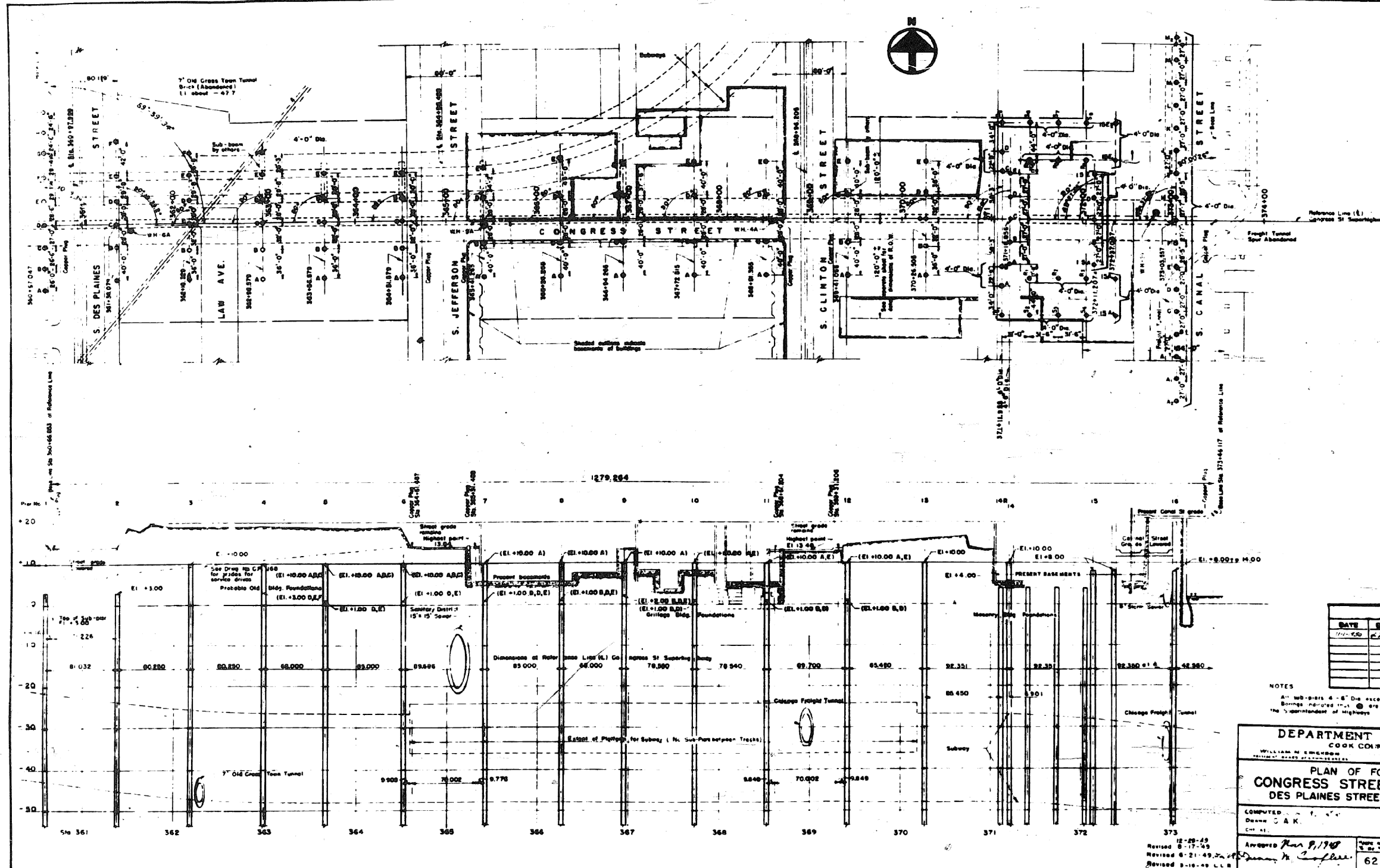
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	432
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION
11-10-10	CEA	ADD TO SUBMIT

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

DEPARTMENT OF HIGHWAYS
 COOK COUNTY ILLINOIS

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

SECTION 052-0424.3 & 4 M.F.T.

COMPUTED BY: [Signature]
 DRAWN BY: G.A.K.
 CHECKED BY: [Signature]

APPROVED: [Signature]
 DATE: 11/10/11

62 1950 11 1571.31 1901.0 C.P.197

0160461-60X78-5156-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

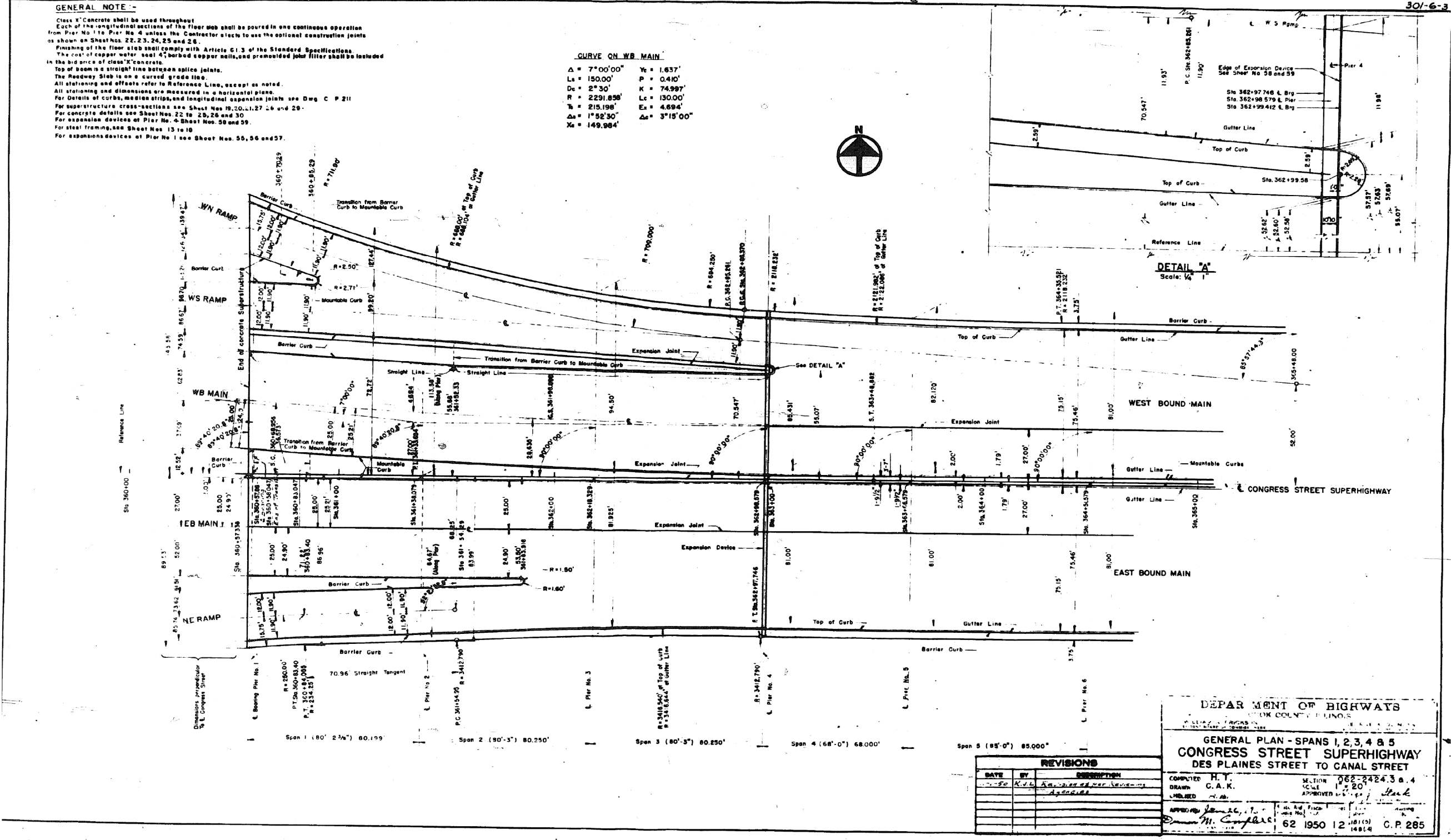
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	433
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

GENERAL NOTE -

Class "X" Concrete shall be used throughout.
 Each of the longitudinal sections of the floor slab shall be poured in one continuous operation from Pier No. 1 to Pier No. 4 unless the Contractor elects to use the optional construction joints as shown on Sheet Nos. 22, 23, 24, 25 and 26.
 Finishing of the floor slab shall comply with Article C1.3 of the Standard Specifications.
 The cost of copper water seal #4 barbed copper nails, and premoistened joint filler shall be included in the bid price of class "X" concrete.
 Top of beam is a straight line between splice joints.
 The Roadway Slope is on a curved grade line.
 All stationing and offsets refer to Reference Line, except as noted.
 All stationing and dimensions are measured in a horizontal plane.
 For Details of curbs, median strips, and longitudinal expansion joints see Det. C. P. 211.
 For superstructure cross-sections see 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
 $\Delta = 7^{\circ}00'00''$ $Y_c = 1.637'$
 $L_s = 150.00'$ $P = 0.410'$
 $D_c = 2^{\circ}30'$ $K = 74.997'$
 $R = 2291.858'$ $L_c = 130.00'$
 $T_s = 215.198'$ $E_c = 4.694'$
 $\Delta_s = 1^{\circ}52'30''$ $\Delta_c = 3^{\circ}15'00''$
 $X_c = 149.984'$



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

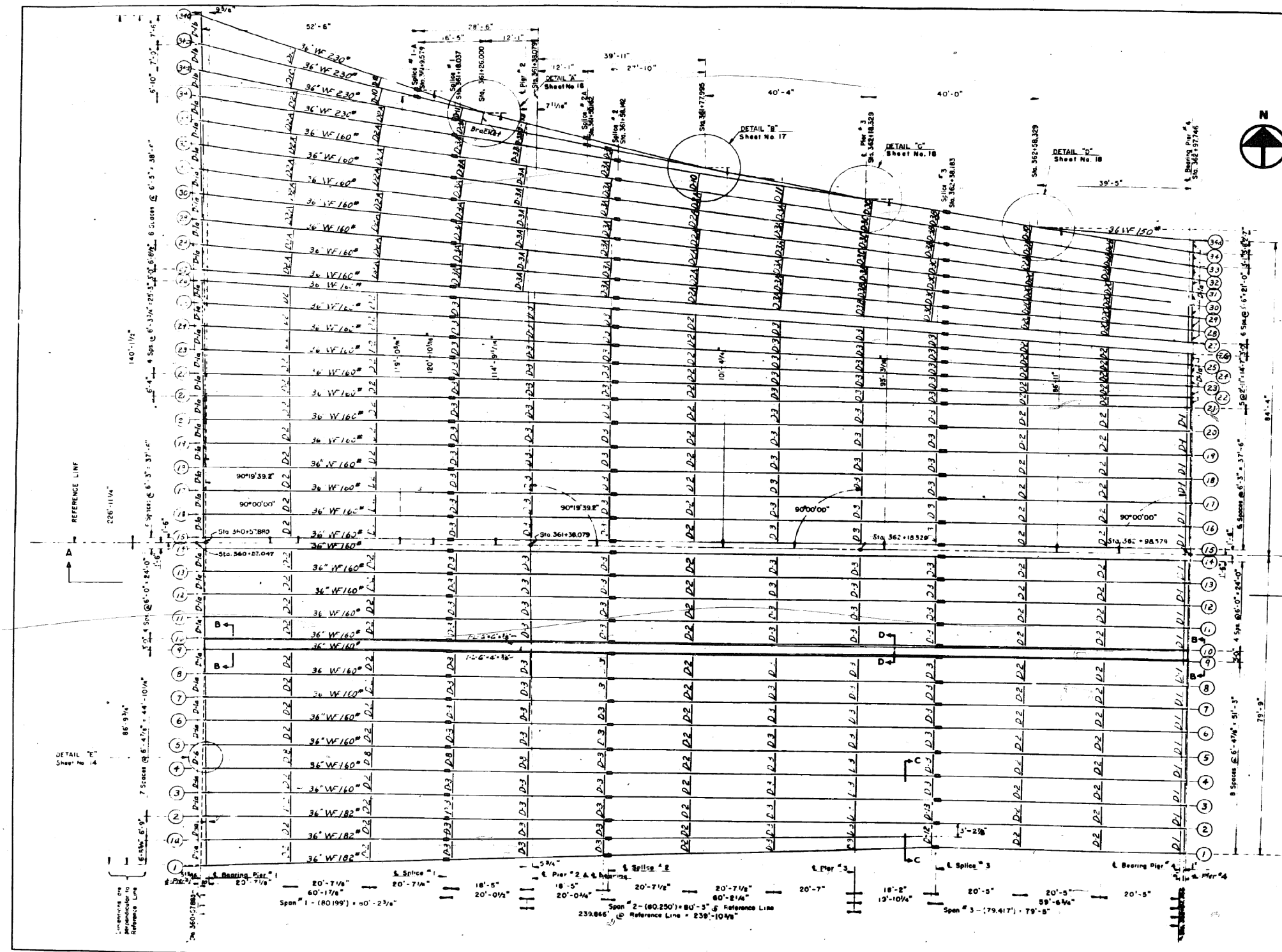
DATE	BY	DESCRIPTION
10-20-50	K.V.L.	As shown over Survey

COMPUTED H.T.
 DRAWN C.A.K.
 CHECKED J.C.
 APPROVED [Signature]
 SECTION 062-2424.3 & 4
 SCALE 1" = 20'
 SHEET NO. 12 OF 194
 62 1950 12 1814 C.P. 285

0160461-60X78-5157-EXT.dgn

FOR INFORMATION ONLY

301-C-



GENERAL STRUCTURAL STEEL NOTES:

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

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

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

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

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

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

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

REVISIONS		
DATE	BY	DESCRIPTION
11-13-12	J.L.R.	Job punching note

NOTES:

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

All dimensions are horizontal distances to top of beams.

For Sections A and D see Sheet No. 14

For Sections B and C see Sheet No. 15

For Details see Sheet No. 14 to 18

For Cross-Sections see Sheet No. 19 to 21

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

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

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICKSON
PRESIDENT BOARD OF SUPERVISORS

GEORGE A. OUNAN
COMMISSIONER

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

COMPILED L. L. B. H. T. SCALE 082-2424.3 & 4
DRAWN H. T. B. G. A. K. SCALE 12'-0" = 1"
CHECKED [Signature] APPROVED [Signature]

APPROVED [Signature] DATE 11/26/13
62 1950 13 148(4) C.P. 286

0160461-60X78-5158-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

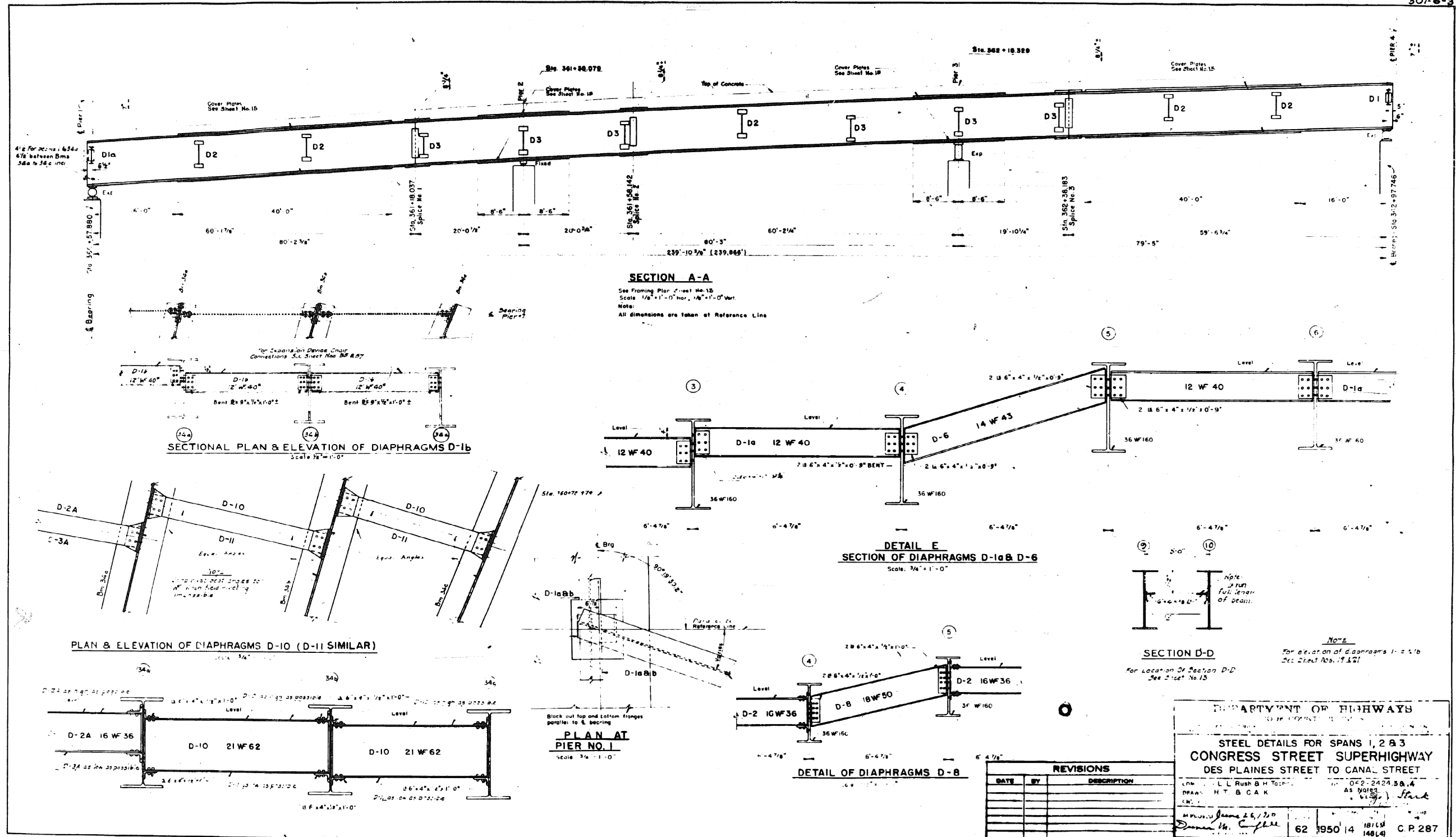
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	435
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2
301-6-3



0160461-60X78-5159-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
DIVISION OF BRIDGE ENGINEERING

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

DESIGNED BY: L. L. Rush & H. T. Cook
DRAWN BY: H. T. B. C. A. K.
CHECKED BY: [Signature]

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

62 1950 14 18119 14814 C.P. 287

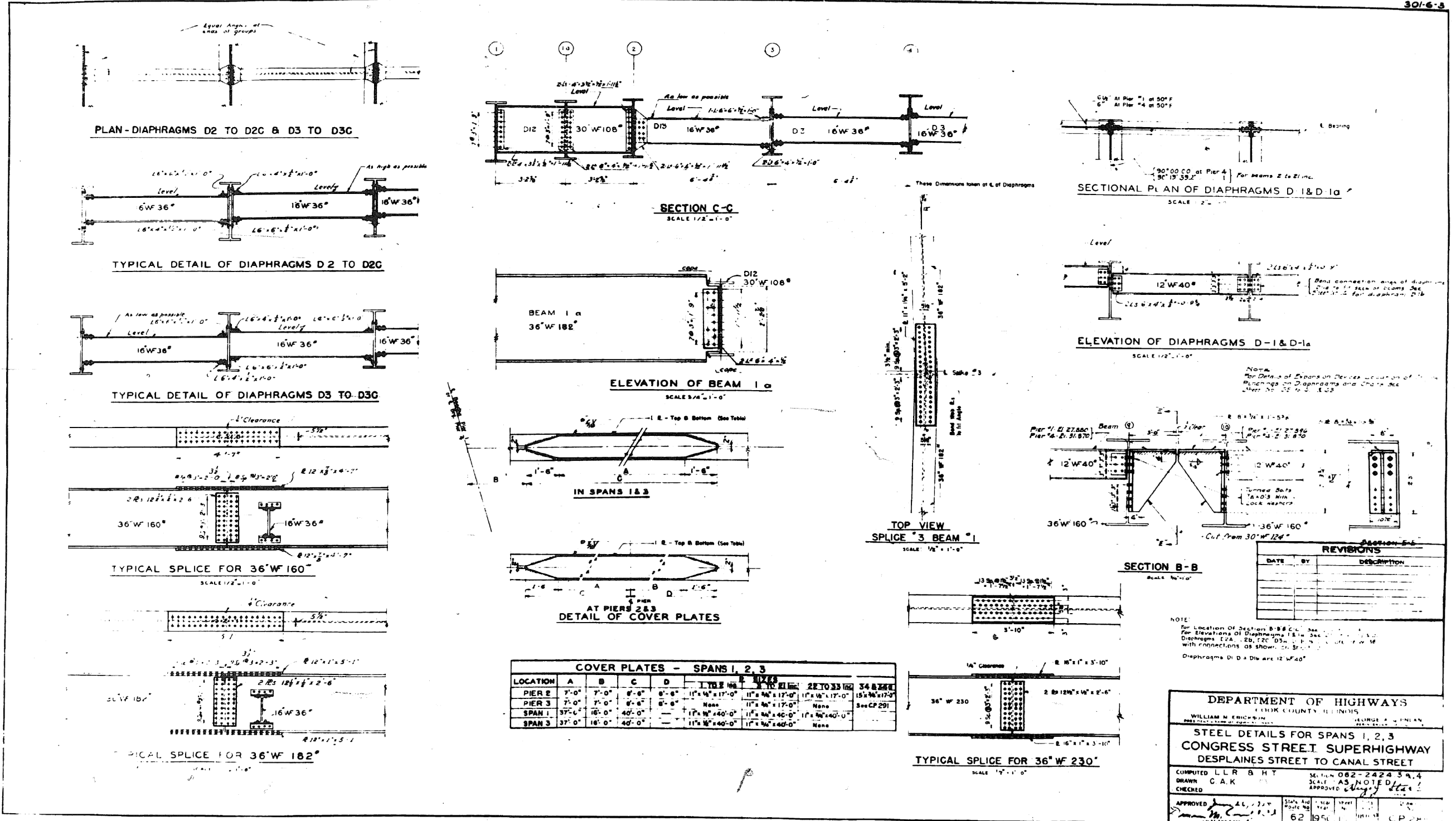
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	436
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

SHEET NO. 14 OF 194 SHEETS

FOR INFORMATION ONLY

301-6-3

301-6-3



DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

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

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

APPROVED [Signature] DATE 4/1/2016
DATE 6/2/1951

0160461-60X78-5160-EXT.dgn

PARSONS BRINCKERHOFF

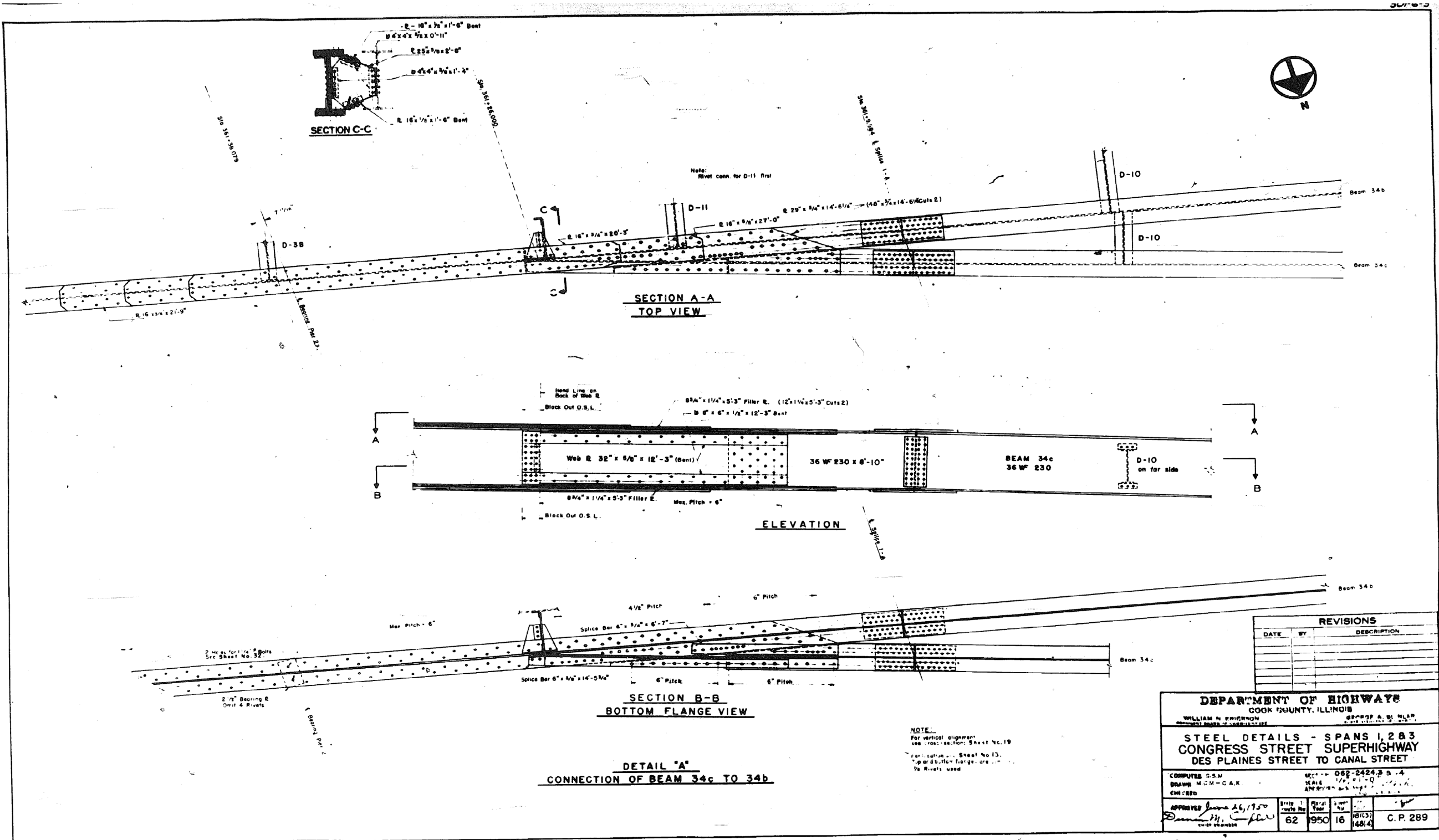
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PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	437
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

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

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

COMPUTED G.S.M. 082-2424.3 3-4
 DRAWN M.C.M.-C.A.R. 1/2" x 1/4"
 C.H. C.B.S.

APPROVED June 26, 1950
 [Signature] 167(15)
 62 1950 16 148(4) C.P. 289

NOTE:
 For vertical alignment
 see cross-section Sheet No. 19
 For horizontal alignment
 see Sheet No. 13.
 Figures in parentheses are
 1/8 Rivets used

0160461-60X78-5161-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

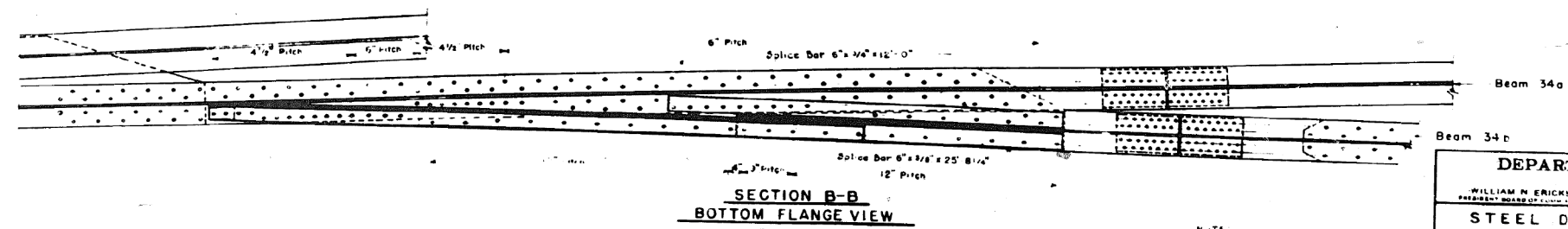
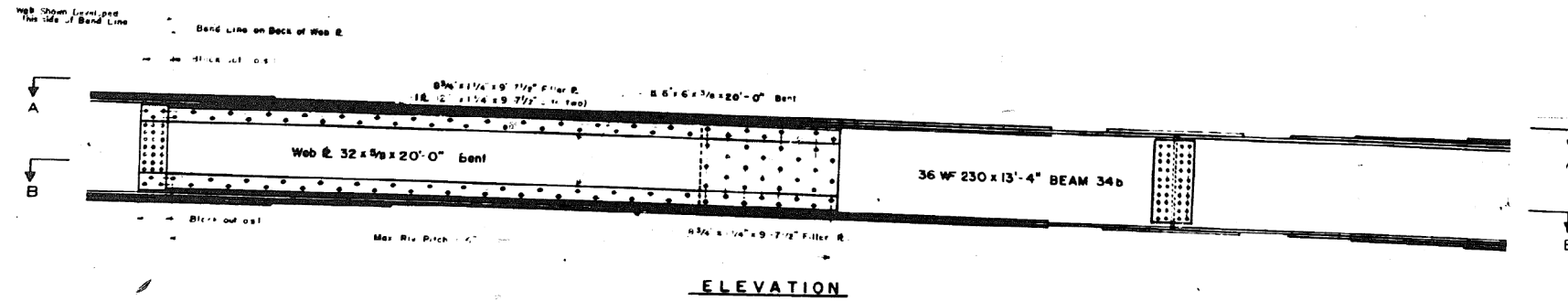
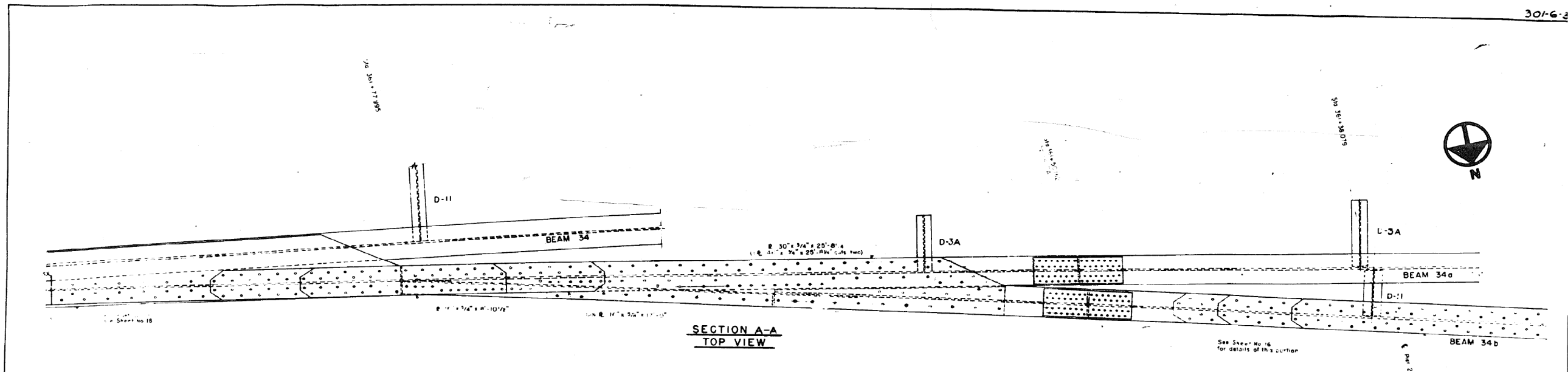
EXISTING PLANS
 STRUCTURE NO. 016-0461

SHEET NO. 16 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	438
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-2



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

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM W. ERICKSON
PRESIDENT BOARD OF SUPERVISORS

GEORGE A. QUINLAN
COMMISSIONER

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

COMPUTED G.S.M. SECTION 162 2424 30.4
DRAWN M.C.M. R.B. CAK SCALE 1/4" = 1'-0"
I.E.G. APPROVED [Signature]

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

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

0160461-60X78-5162-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

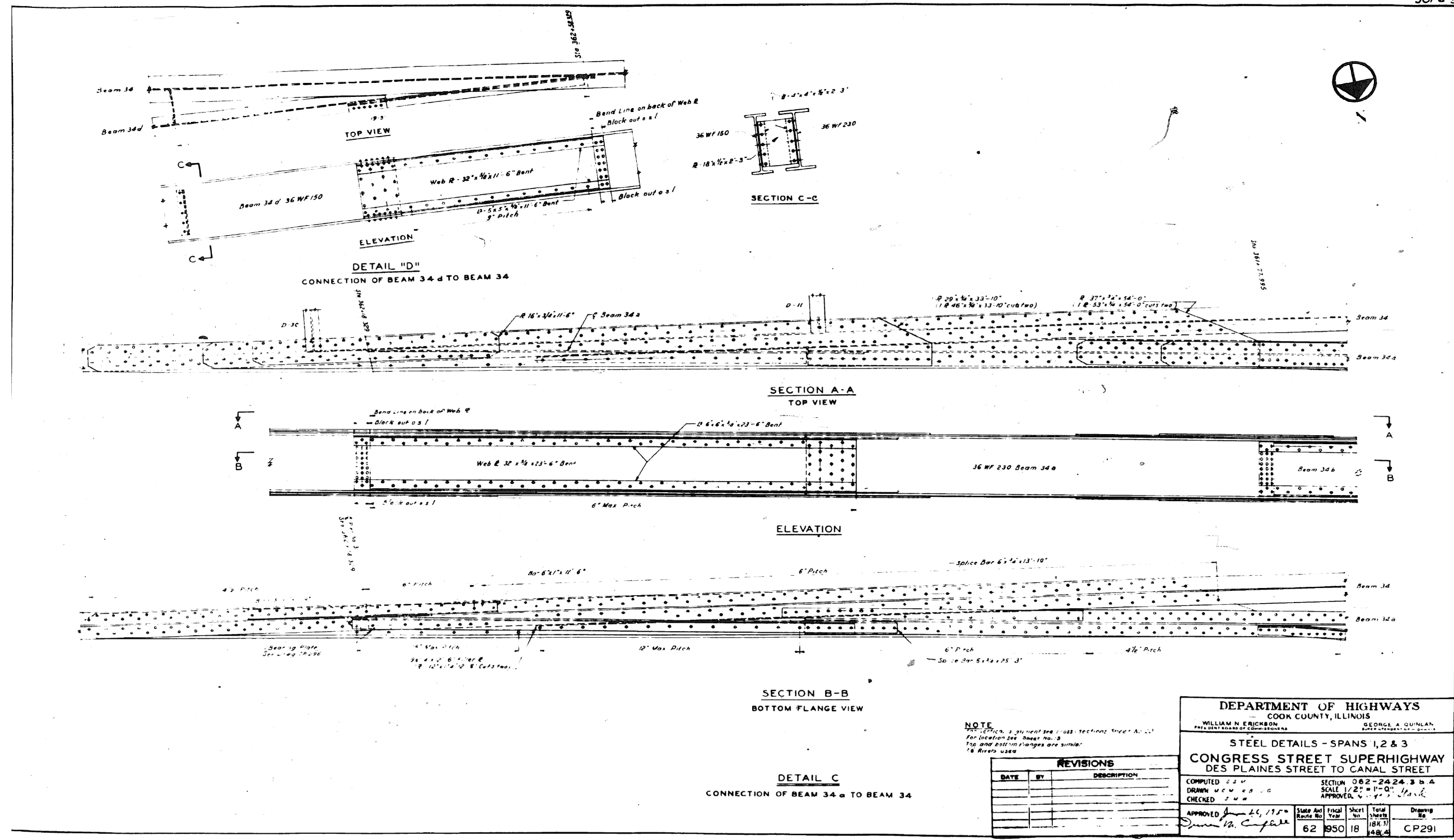
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 17 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	439
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-3



NOTE
 1. Section is shown in cross-sections A-A, B-B, and C-C for location see Sheet No. 3.
 Top and bottom flanges are similar.
 1/8 Rivets used.

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM N. ERICKSON, PRESIDENT BOARD OF COMMISSIONERS
 GEORGE A. QUINLAN, STATE ENGINEER

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

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

COMPUTED: J.M.W.	SECTION: 082-24.24.3 & 4
DRAWN: J.M.W.	SCALE: 1/2" = 1'-0"
CHECKED: J.M.W.	APPROVED: [Signature]
APPROVED: [Signature]	State Aid: 62
	Fiscal Year: 950
	Sheet No.: 18
	Total Sheets: 18 (of 3)
	Drawings No.: CP291

0160461-60X78-5163-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

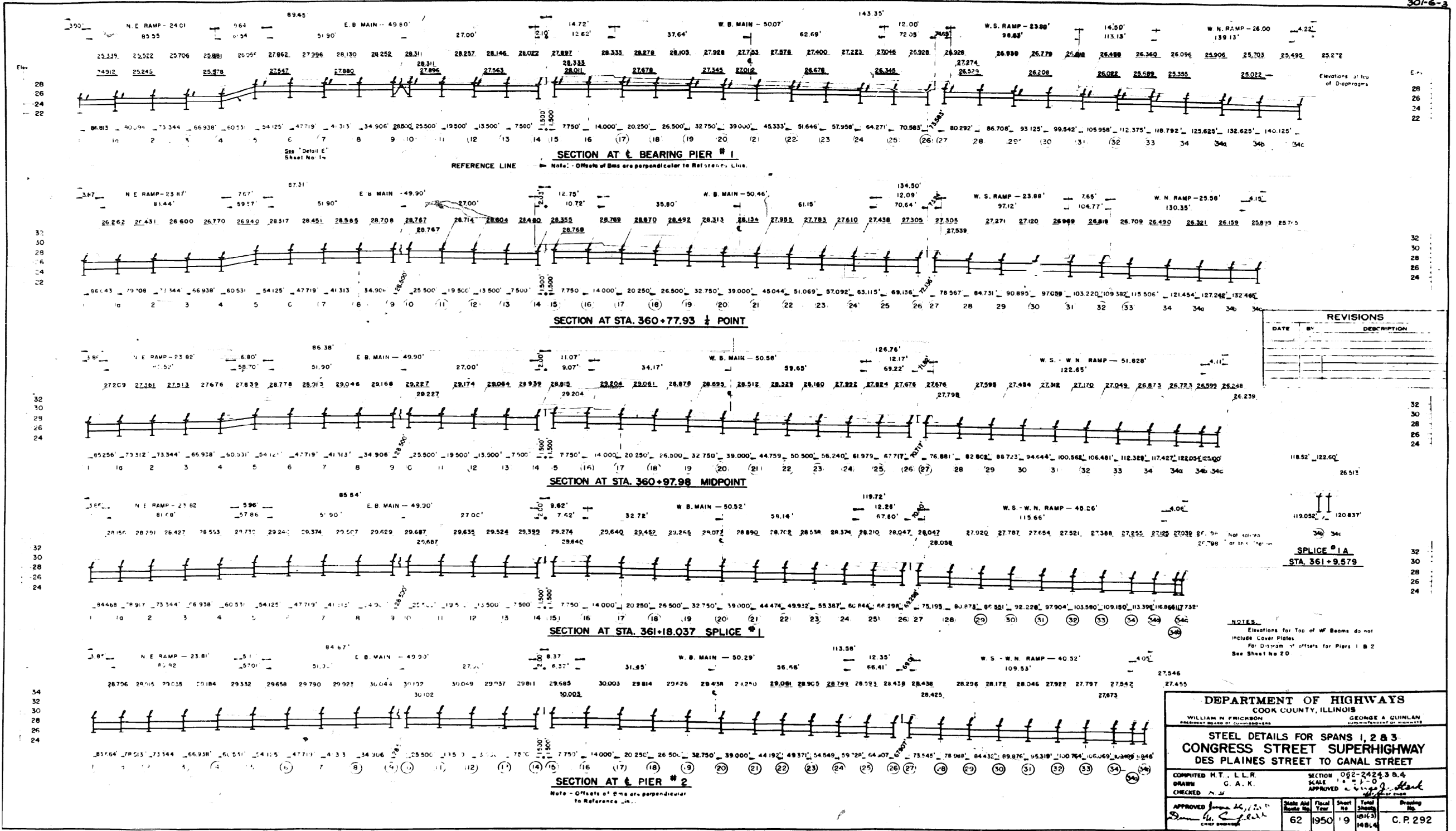
EXISTING PLANS
 STRUCTURE NO. 016-0461

SHEET NO. 18 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	440
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

30-6-3



REVISIONS	
DATE	DESCRIPTION

SPLICE #1A
STA. 361+9.579

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. FRICKSON
PRESIDENT BOARD OF SUPERVISORS

GEORGE A. QUINLAN
COMMISSIONER OF HIGHWAYS

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

COMPUTED BY: M.T., L.L.R. SECTION: 062-2424.3 B.4
DRAWN BY: C.A.K. SCALE: 1" = 1'-0"
CHECKED BY: [Signature] APPROVED BY: [Signature]

State Aid	Fiscal Year	Sheet No.	Total Sheets	Drawing No.
62	1950	19	1481/4	C.P. 292

D:\60461-60X78-5164-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

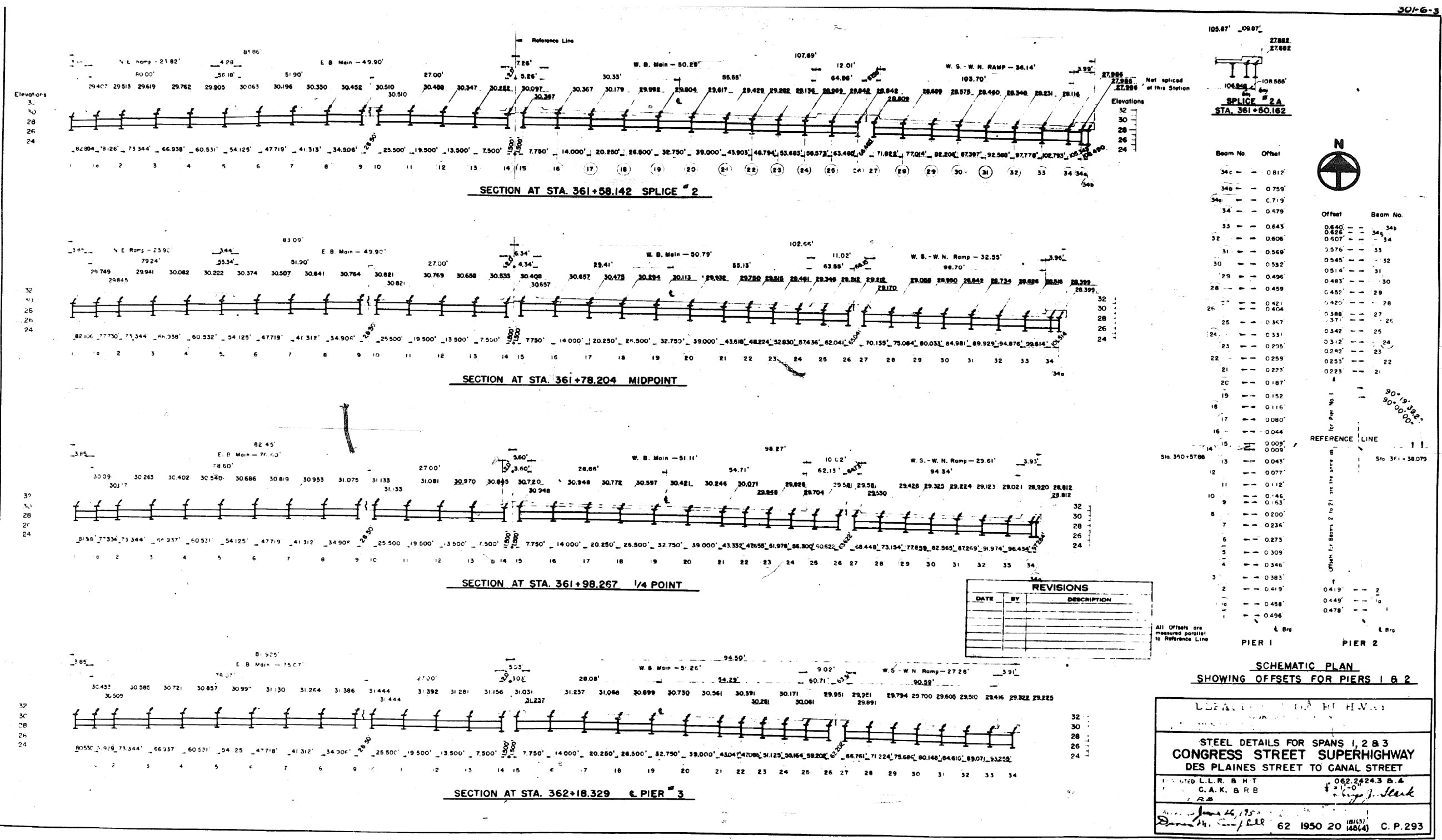
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 19 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	441
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-3



REVISIONS		
DATE	BY	DESCRIPTION

DESIGNED BY: H. H. W. ...

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

DESIGNED BY: L.L.R. B.H.T. 062,242,3 B.A.
 CHECKED BY: C.A.K. B.R.B. 1-1-0
 DRAWN BY: J. J. ...

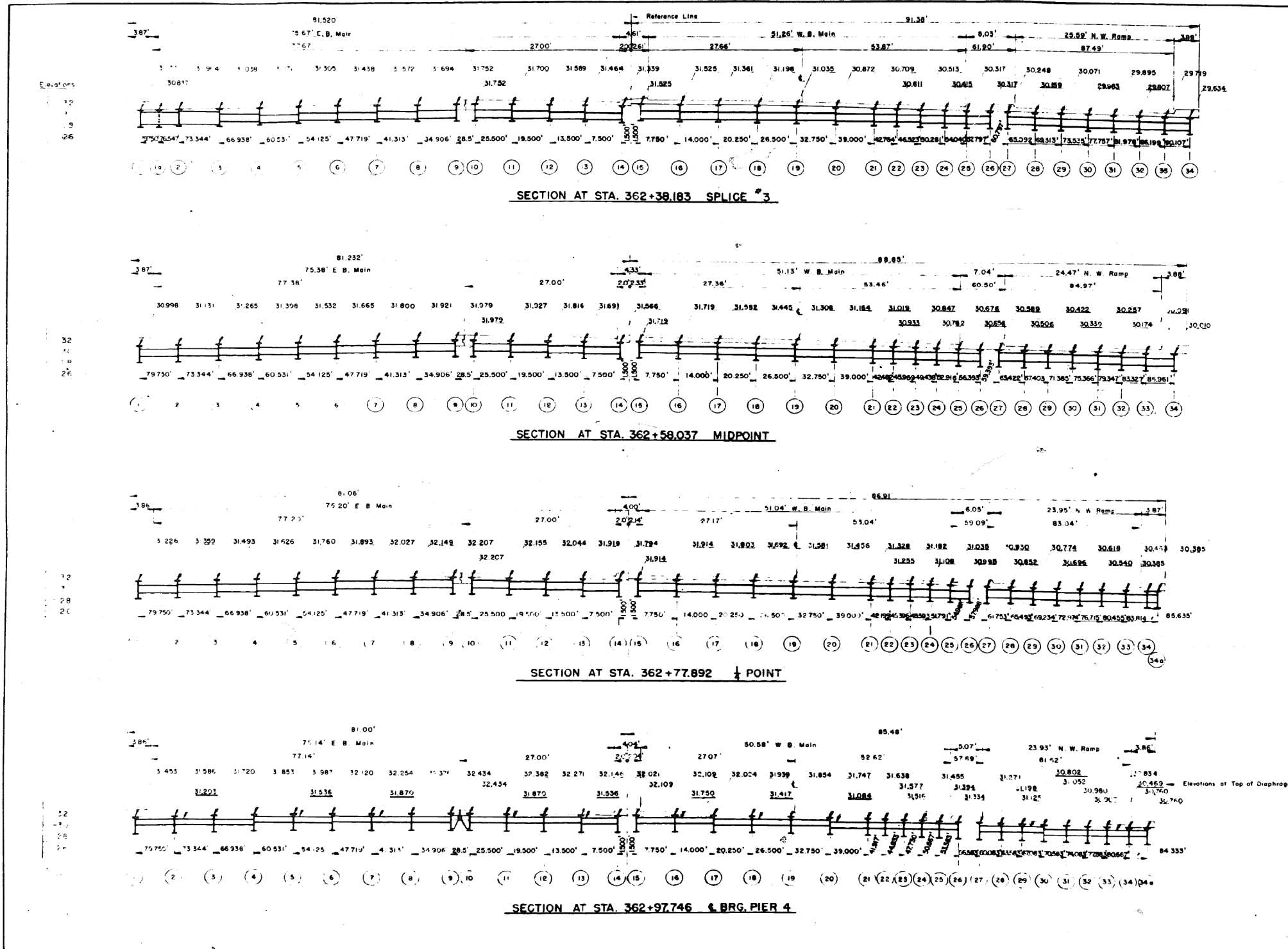
DATE: June 16, 1950
 DRAWN BY: J. J. ...

62 1950 20 148(4) C. P. 293

0160461-60X78-5165-EXT.dgn

FOR INFORMATION ONLY

301-6



REVISIONS		
DATE	BY	DESCRIPTION

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

DEPARTMENT OF HIGHWAYS
 WILLIAM N. FRICKSON, PRESIDENT BOARD OF SUPERVISORS
 GEORGE A. CONLAN, CHIEF ENGINEER

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

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

SECTION: 062-2424.3 & 4
 SCALE: 1/8" = 1'-0"
 APPROVED: *George A. Conlan*

APPROVED: *James H. ...*
 State Aid: 62
 Fiscal Year: 1950
 Sheet No.: 21
 Total Sheets: 148
 Contract No.: C. P. 294

0160461-60X78-5166-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
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PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

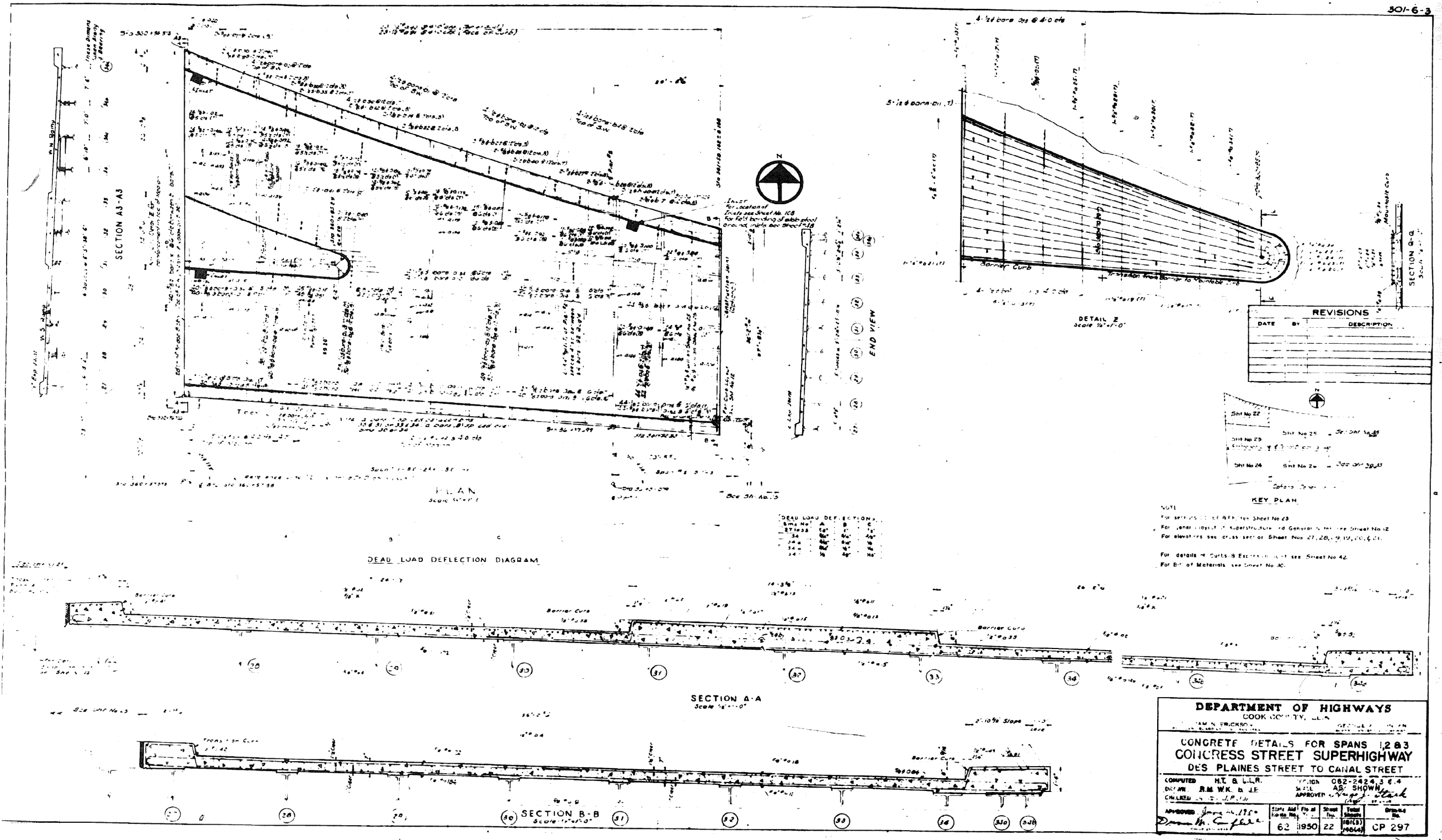
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	443
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5167-EXT.dgn

PARSONS BRINCKERHOFF

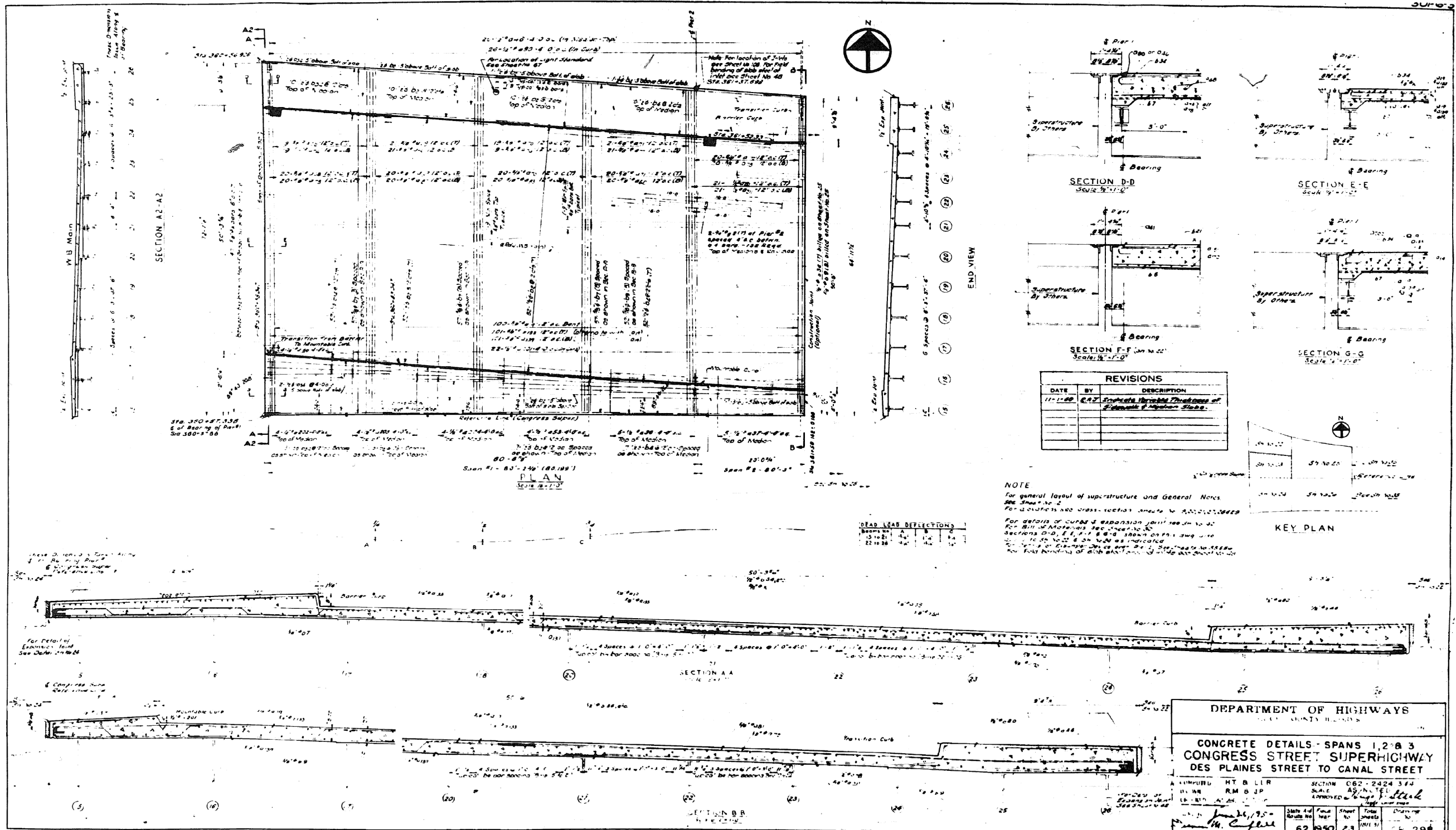
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PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	444
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X78-5188-EXT.dgn

PARSONS BRINCKERHOFF

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PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

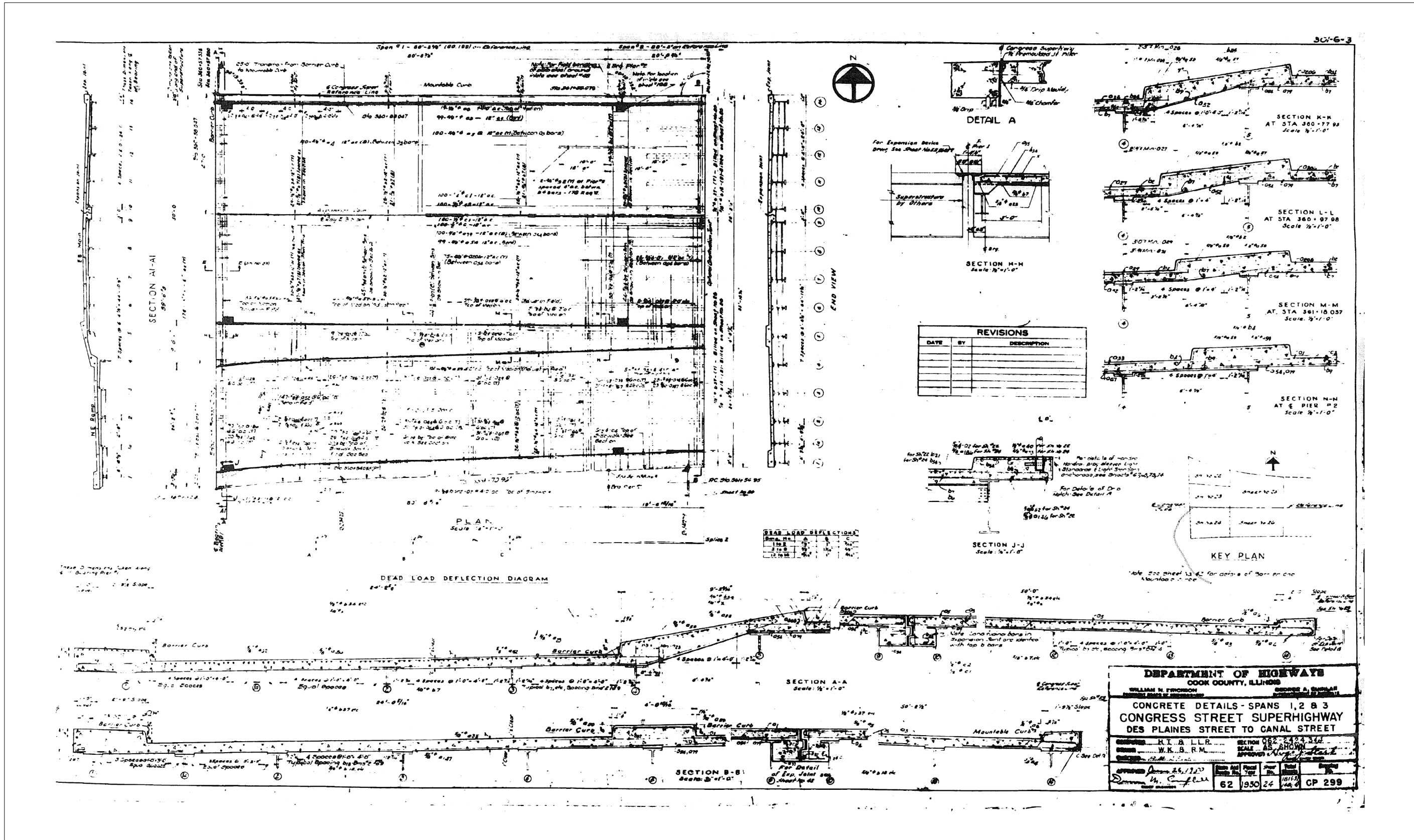
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	445
CONTRACT NO. 60X78				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



0160461-60X78-5169-EXT.dgn

PARSONS
BRINCKERHOFF

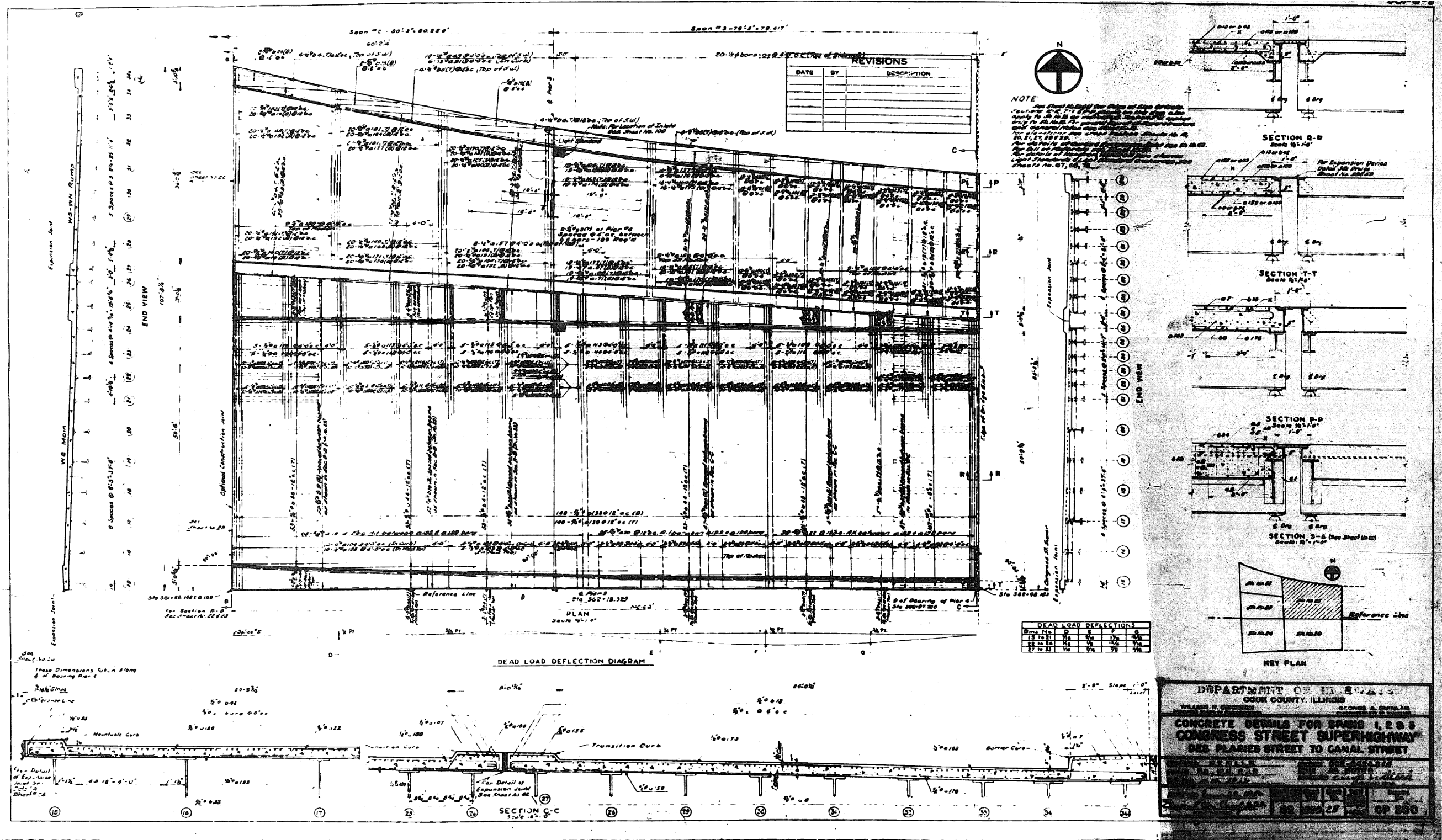
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PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	446
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



DEPARTMENT OF TRANSPORTATION
COOK COUNTY, ILLINOIS

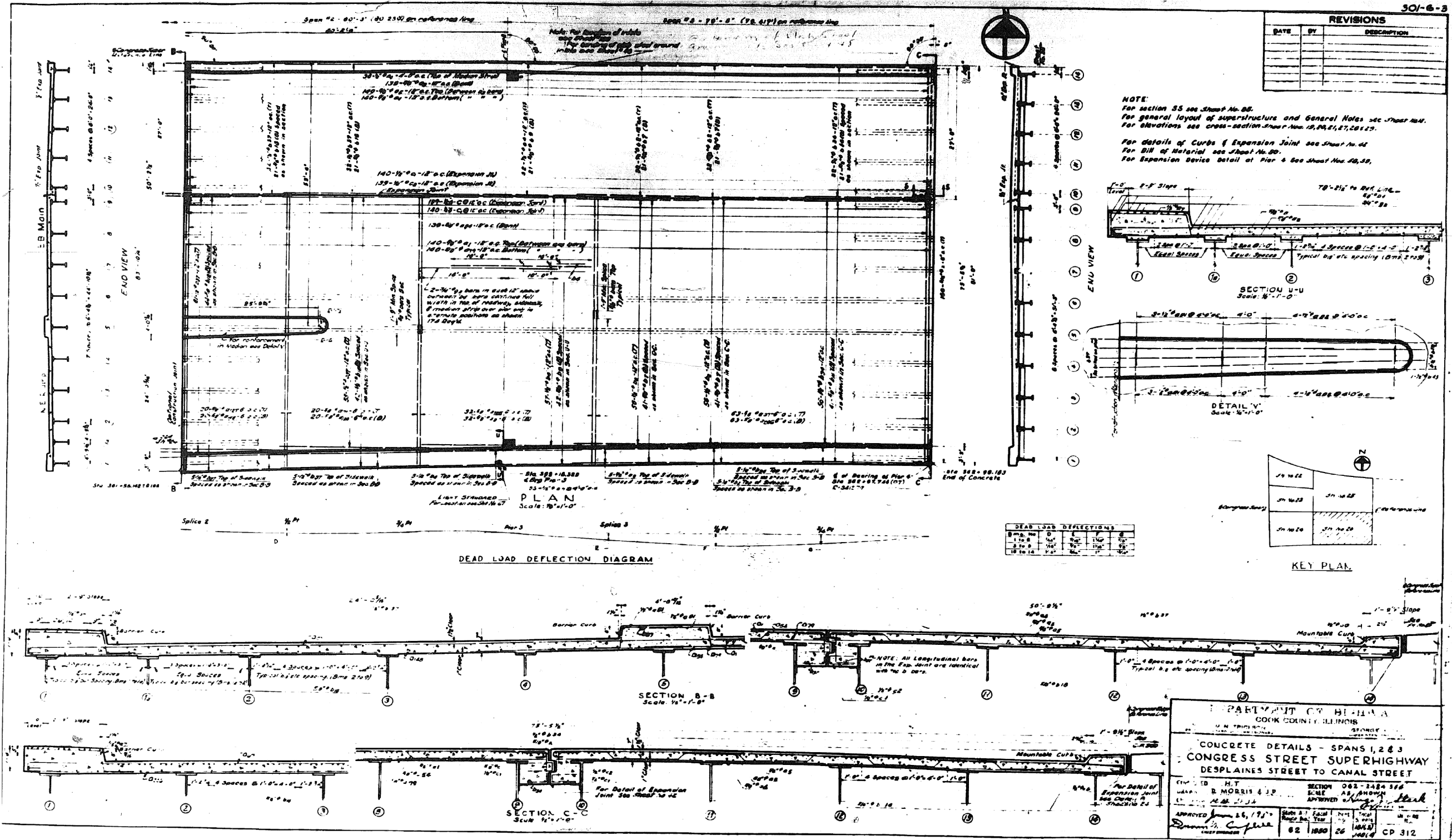
**CONCRETE DETAILS FOR SPANS 1, 2 & 3
CONGRESS STREET SUPERHIGHWAY
DES PLANNED STREET TO CANAL STREET**

SCALE: AS SHOWN
DATE: 03/27/13
BY: JPC

0160461-60X78-5170-EXT.dgn

FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION

NOTE:
 For section 55 see Sheet No. 05.
 For general layout of superstructure and General Notes see Sheet No. 01.
 For elevations see cross-section Sheet Nos. 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.
 For details of Curbs & Expansion Joint see Sheet No. 44.
 For Bill of Material see Sheet No. 00.
 For Expansion Device Detail at Pier 4 see Sheet No. 20, 21.

DEAD LOAD DEFLECTIONS					
Span No.	D	E	F	G	H
1 to 3	1/2"	1/2"	1/2"	1/2"	1/2"
4 to 6	1/2"	1/2"	1/2"	1/2"	1/2"
7 to 9	1/2"	1/2"	1/2"	1/2"	1/2"
10 to 14	1/2"	1/2"	1/2"	1/2"	1/2"

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS

CONCRETE DETAILS - SPANS 1, 2 & 3
 CONGRESS STREET SUPERHIGHWAY
 DESPLAINES STREET TO CANAL STREET

DESIGNED BY: H.T. MORRIS & SONS
 DRAWN BY: R. MORRIS & SONS
 APPROVED BY: [Signature]

SECTION 062-2484 316
 SHEET AS SHOWN
 APPROVED BY: [Signature]

APPROVED JUNE 26, 1957
 [Signature]

DATE	02	1950	26
SCALE	1/4" = 1'-0"		
TOTAL SHEETS	706		
SHEET NO.	448		

CONTRACT NO. 60X78
 ILLINOIS FED. AID PROJECT

0160461-60X78-5171-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

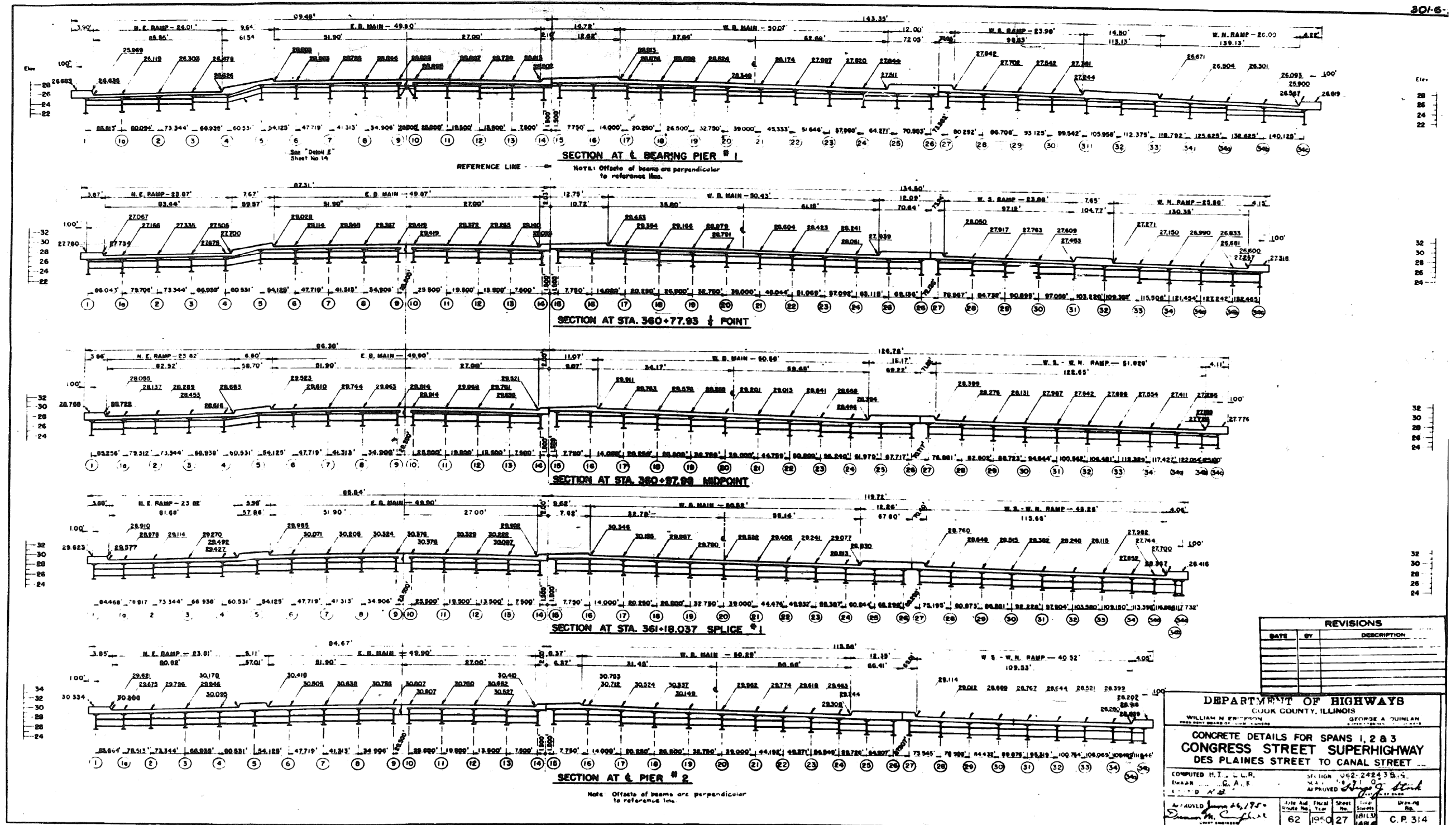
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 26 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	448
CONTRACT NO. 60X78				

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 WILLIAM N. EMMERTON
 GEORGE A. DUNLAP

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

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

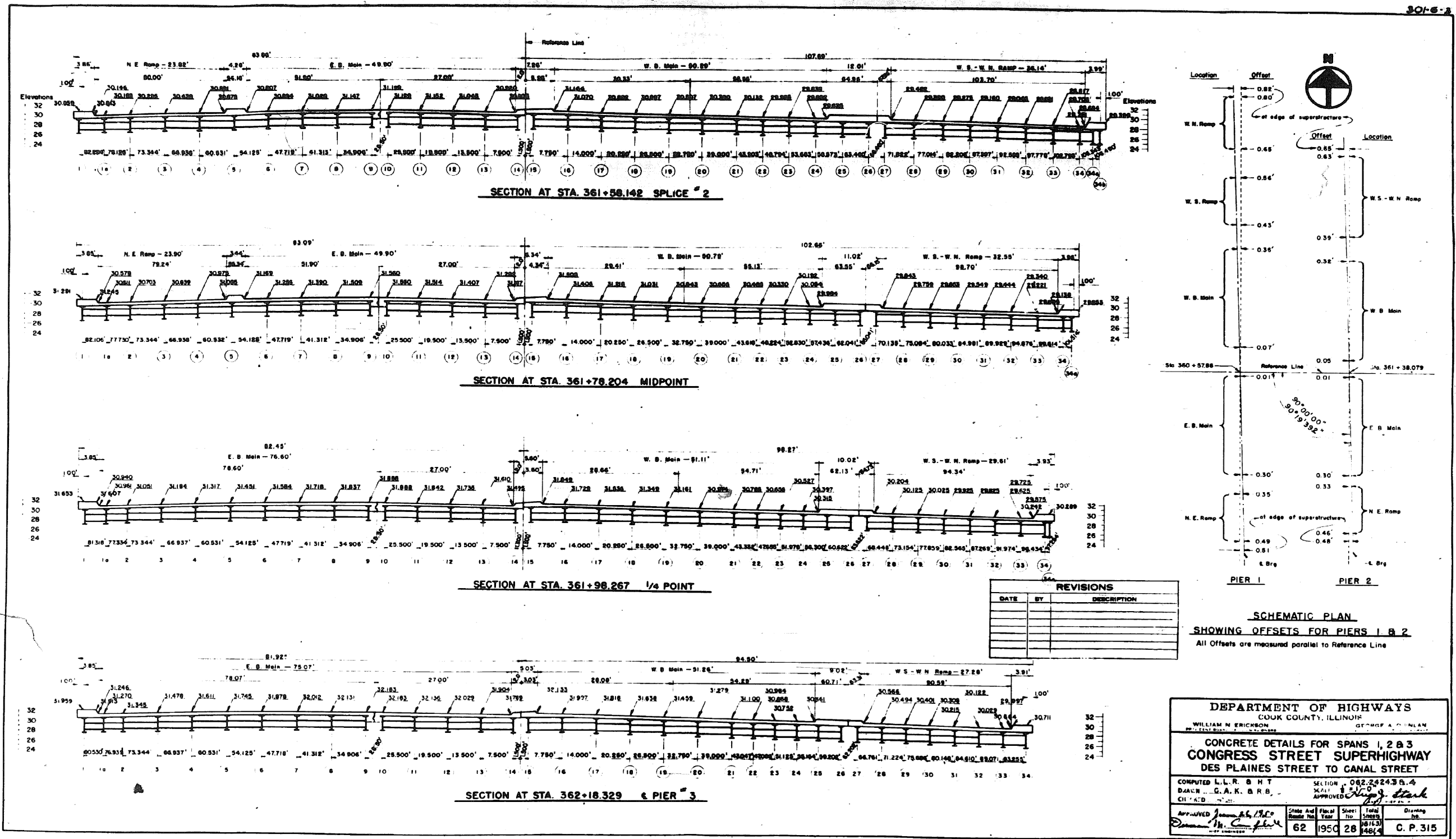
SECTION 052-2424 3B-5
 DATE 10/10/10

APPROVED <i>[Signature]</i>	DATE 10/10/10	SHEET 27	OF 48
-----------------------------	---------------	----------	-------

C.P. 314

0160461-60X78-5172-EXT.dgn

FOR INFORMATION ONLY



0160461-60X78-5173-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
DESIGNED -
CHECKED -
PLOT SCALE = N.T.S.
DRAWN - DCP
PLOT DATE = 3/23/2016
CHECKED - JIG

REVISED -
REVISED -
REVISED -
REVISED -

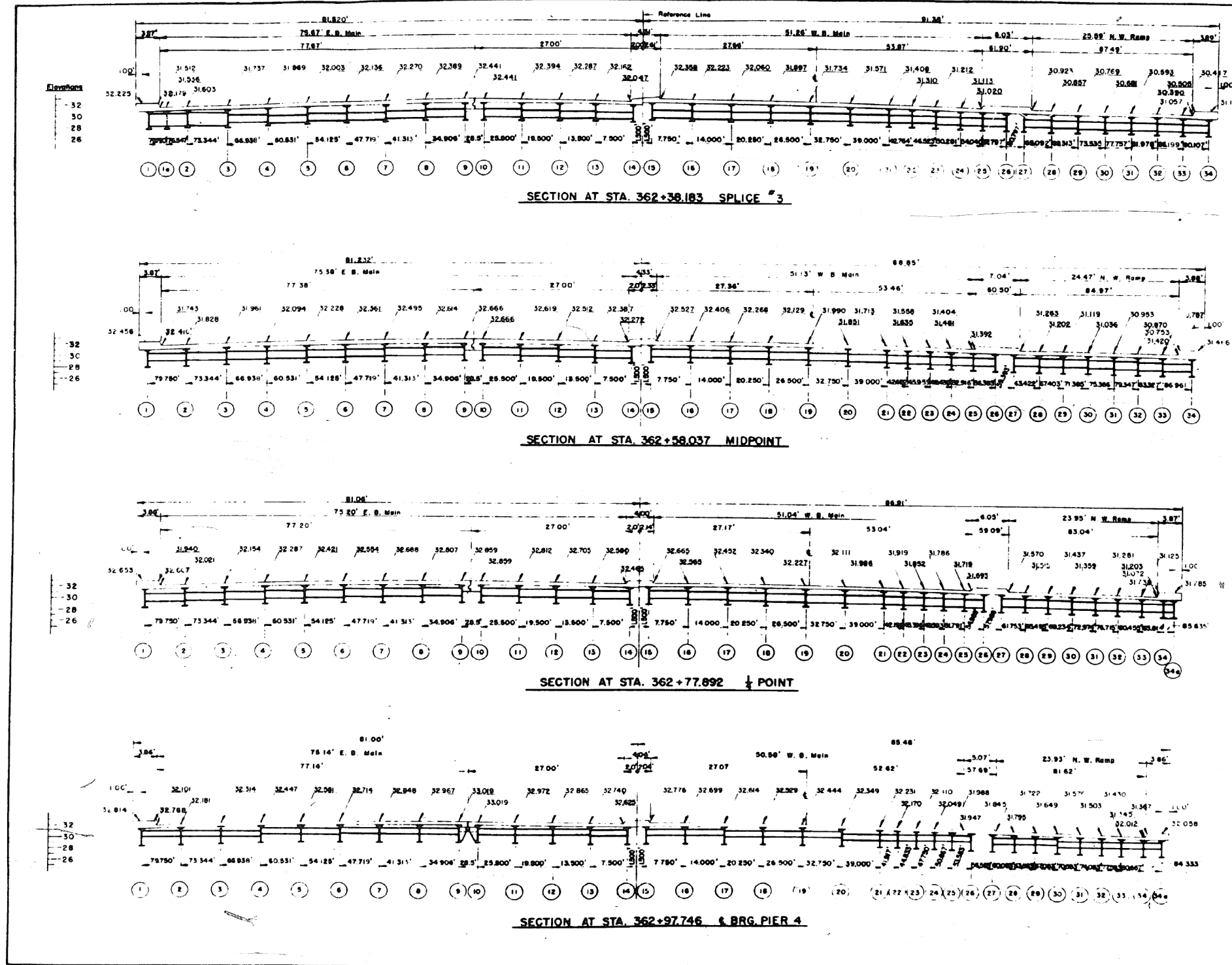
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	450
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X78	

FOR INFORMATION ONLY

301-6



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM N. FRIDRICH, COUNTY ENGINEER
 GEORGE A. O'NEIL, COUNTY CLERK

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 J.C.S. APPROVED [Signature]

APPROVED [Signature] 62 1950 29 [Signature]
 [Signature] [Signature] [Signature] [Signature]
 C P 316

0160461-60X78-5174-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

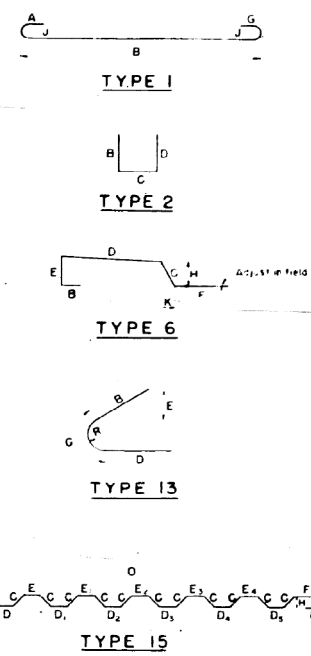
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	451
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3

BAR SCHEDULE

Mark No. Size Length Sketch															Mark No. Size Length Sketch															Mark No. Size Length Sketch																													
Located on Sh. No. 22 23 24 25 26															Located on Sh. No. 22 23 24 25 26															Located on Sh. No. 22 23 24 25 26																													
A	B	C	D	D ₁	D ₂	D ₃	D ₄	D ₅	E	E ₁	E ₂	E ₃	E ₄	F	G	H	J	K	O	A	B	C	D	E	F	G	H	J	K	O	A	B	C	D	E	F	G	H	J	K	R																		
1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10



REVISIONS	
DATE	DESCRIPTION

BILL OF MATERIAL		
Class "X" Concrete	Cu Yds	1,201.5
Reinforcement Bars	Lbs	20,180

DEPARTMENT OF HIGHWAYS
 ILLINOIS
 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.L.R.
 DRAWN BY: R.O.M.
 CHECKED BY: J.P.P.

APPROVED: [Signature]
 DATE: 6/2/95
 SHEET NO. 30 OF 194 SHEETS
 CONTRACT NO. 60X78

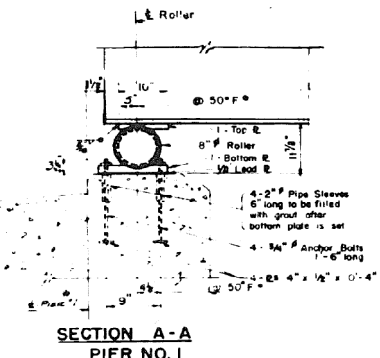
0160461-60X78-5175-EXT.dgn

FOR INFORMATION ONLY

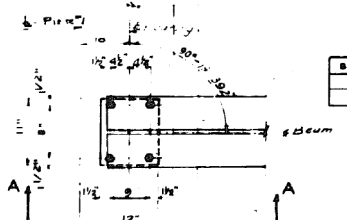
301-6-3

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

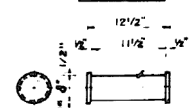
NOTE TO ERECTOR
 Increase each dimension by the same amount if temp. is over 50°F. Decrease by same amount if temp. is below 50°F. The change for temperature is 0.00325 per degree F.



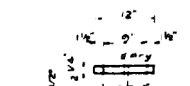
SECTION A-A
PIER NO. 1



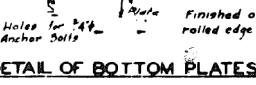
PLAN
PIER NO. 1



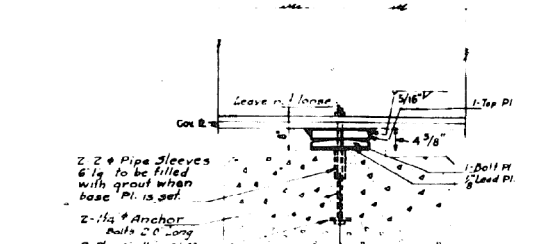
DETAIL OF TOP PLATES
PIER NO. 1
19 Req'd - WT 428 Lbs.



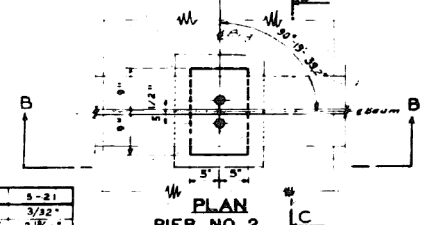
DETAIL OF ROLLERS
PIER NO. 1
19 Req'd - WT 428 Lbs.



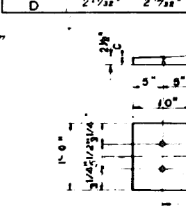
DETAIL OF BOTTOM PLATES
PIER NO. 1
19 Req'd - WT 428 Lbs.
including lead plates



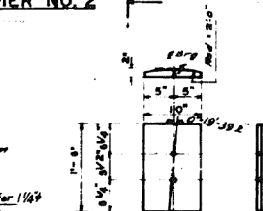
SECTION B-B
PIER NO. 2



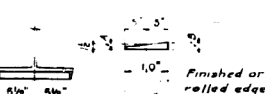
PLAN
PIER NO. 2



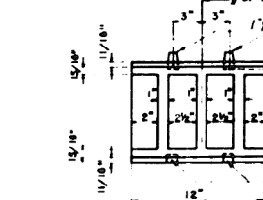
DETAIL OF TOP PLATES
PIER NO. 2
19 Req'd - WT 770 Lbs.



DETAIL OF BOTTOM PLATES
PIER NO. 2
19 Req'd - WT 2187 Lbs.
including lead plates



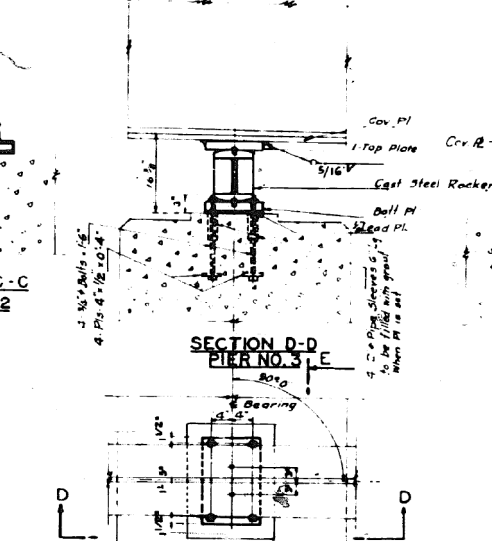
DETAIL OF TOP PLATES
PIER NO. 1
19 Req'd - WT 428 Lbs.



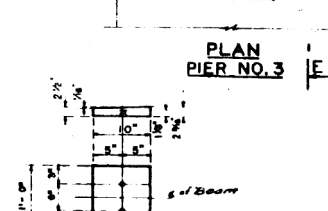
DETAILS OF CAST STEEL ROCKERS
PIER NO. 3
19 Req'd - WT 3480 Lbs.



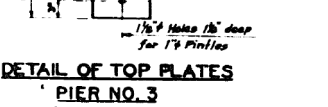
SECTION C-C
PIER NO. 2



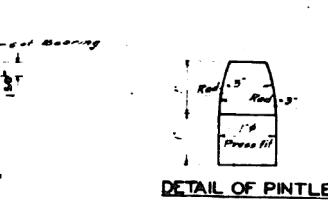
SECTION D-D
PIER NO. 3



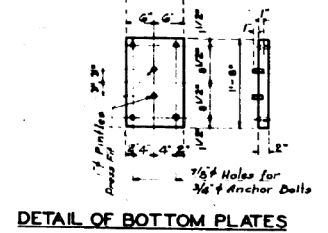
PLAN
PIER NO. 3



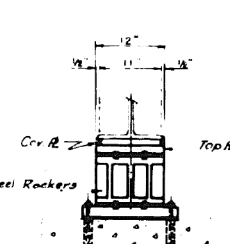
DETAIL OF TOP PLATES
PIER NO. 3
19 Req'd - WT 1676 Lbs.



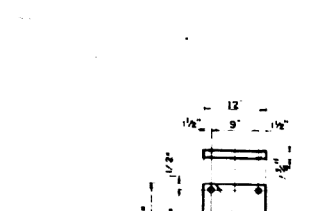
DETAIL OF PINTLE
140 Req'd - WT 82 Lbs.



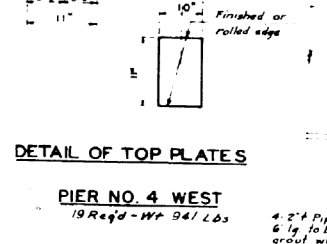
DETAIL OF BOTTOM PLATES
PIER NO. 3
19 Req'd - WT 280 Lbs.
including lead plates



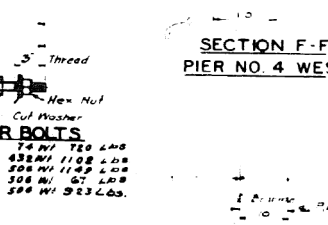
SECTION E-E
PIER NO. 3



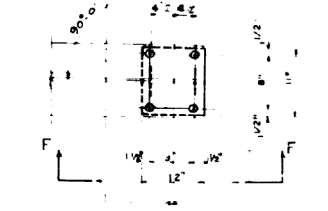
DETAIL OF BOTTOM PLATES
PIER NO. 4 WEST
19 Req'd - WT 445 Lbs.
including lead plates



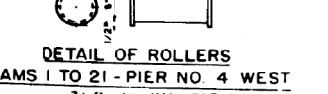
DETAIL OF TOP PLATES
PIER NO. 4 WEST
19 Req'd - WT 941 Lbs.



DETAIL OF ANCHOR BOLTS



PLAN
PIER NO. 4 WEST



DETAIL OF ROLLERS
BEAMS 1 TO 21 - PIER NO. 4 WEST
21 Req'd - WT 4720 Lbs.

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM M. ERICKSON
 GEORGE A. QUINLAN
 ROCKERS ROLLERS & BEARING PLATES
 FOR PIERS NO. 1, 2, 3, & 4
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

COMPUTED: J.L.R. & H.T. SECTION 062-2424 3 B.4
 DRAWN: M.H.T. & C.A.K. SCALE
 CHECKED: A.A. APPROVED: [Signature]

APPROVED: [Signature] SHEET NO. 62 OF 31
 DATE: 3/23/2016

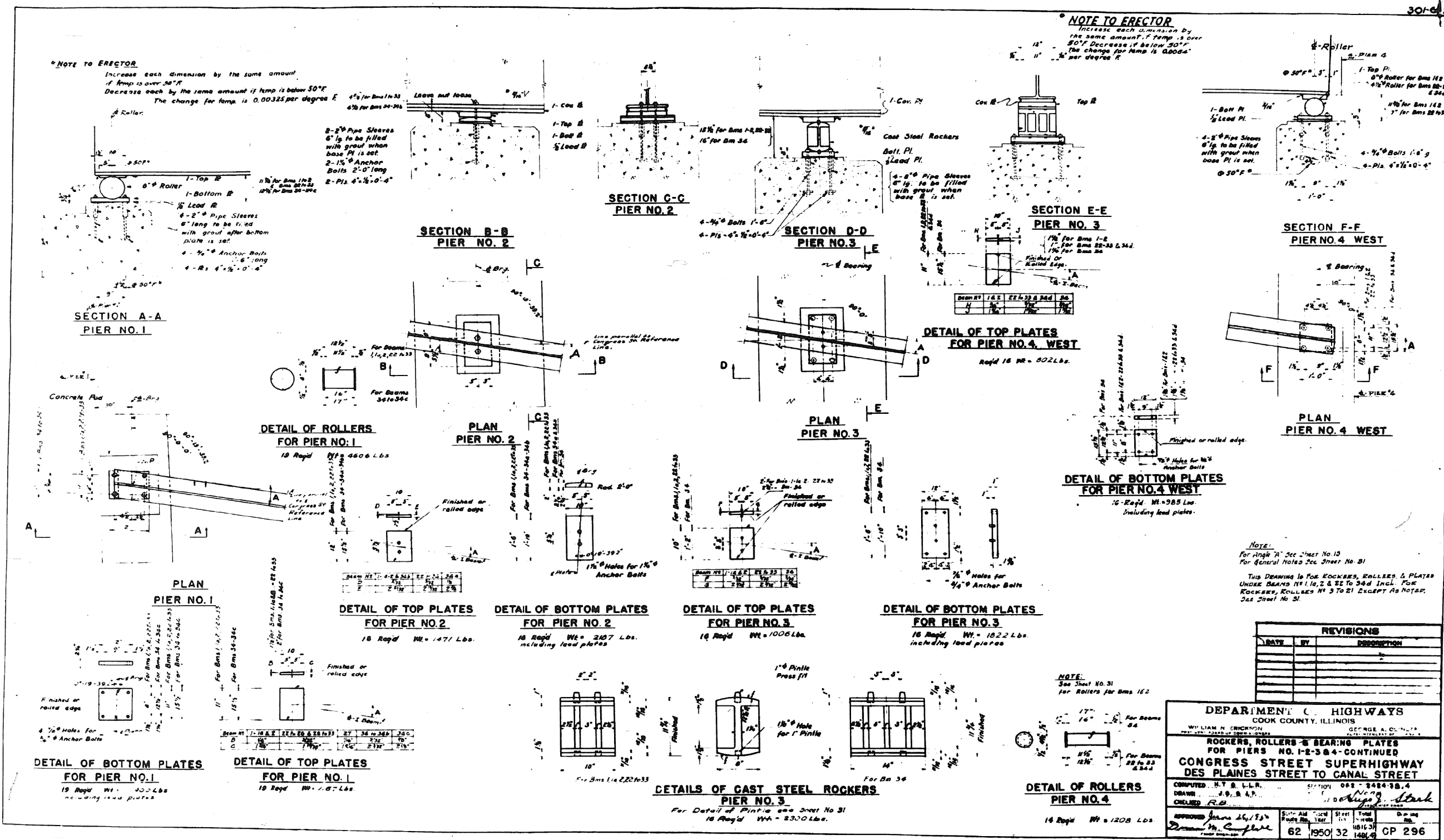
TOTAL WEIGHT OF STRUCTURAL STEEL ON THIS SHEET: 49,100 LBS.

GENERAL NOTE:
 Rollers shall be turned down from a solid bar for all plates in contact with the rollers the edges adjacent to the collars shall be rolled 1/4 square.
 Dimensions weights of rollers, rockers, steel plates, lead plates, sleeves, washers and anchor bolts are included in weight of structural steel.
 Cast steel shall conform to the tentative specifications for A131 to A134 - Full length Carbon Steel for general application.
 A131 A11 Grade 65 35 Fully Annealed
 The base of the foundation shall be in a horizontal position after completion. The maximum plate width shall be in all directions except for details shown in all directions. The tolerance for which are so shown but they may be omitted.

REVISIONS		
DATE	BY	DESCRIPTION

D:\60461-60X78-5176-EXT.dgn

FOR INFORMATION ONLY



0160461-60X78-5177-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld
 DESIGNED -
 CHECKED -
 PLOT SCALE = N.T.S.
 DRAWN - DCP
 CHECKED - JIG
 PLOT DATE = 3/23/2016

DESIGNED -
 CHECKED -
 DRAWN - DCP
 CHECKED - JIG

REVISED -
 REVISED -
 REVISED -
 REVISED -

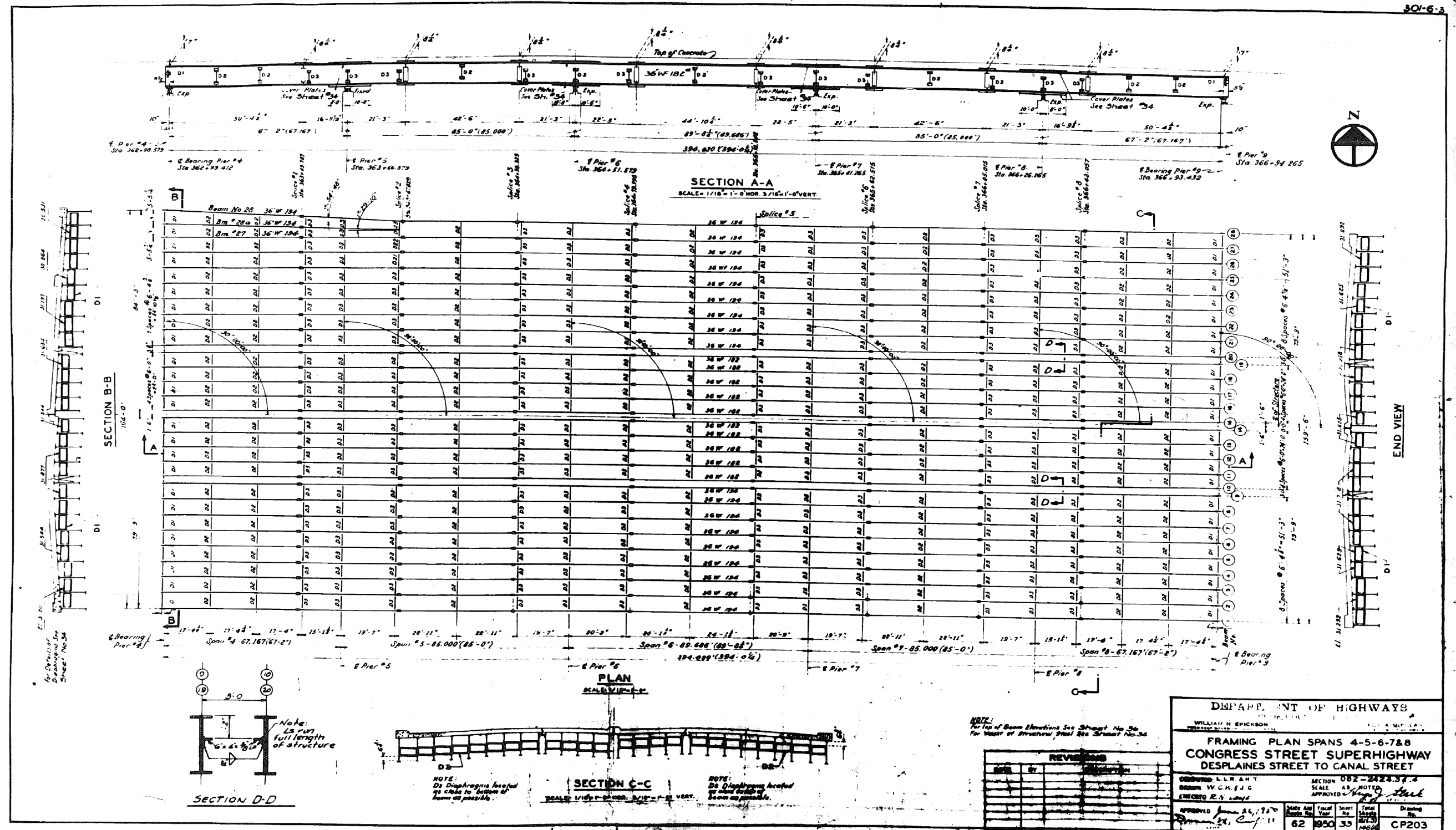
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461

SHEET NO. 32 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	454
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X78	

FOR INFORMATION ONLY



DEPARTMENT OF HIGHWAYS
WILLIAM N. ERICKSON
CHIEF ENGINEER

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

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

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

APPROVED: *[Signature]* DATE: 11/11/11
SHEET NO.: 33 OF 194
DATE: 6/2/90

DRAWING NO.: CP203

0160461-60X78-5178-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

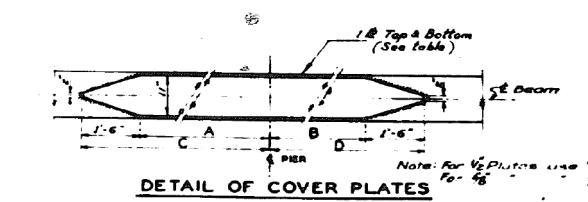
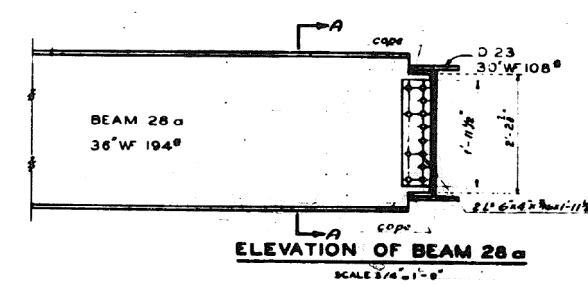
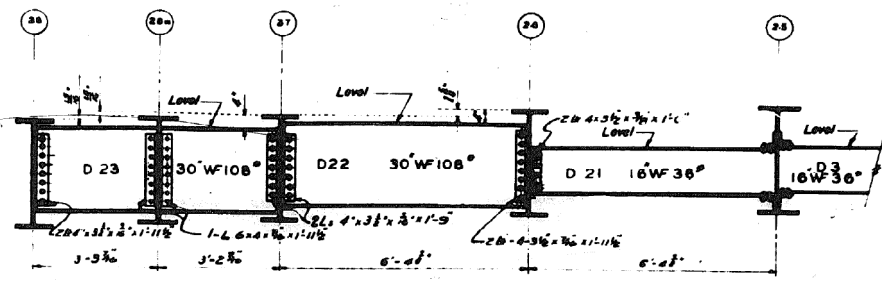
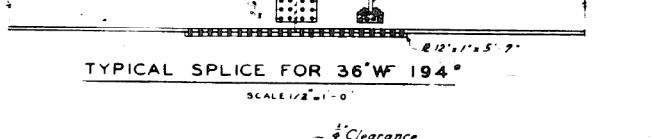
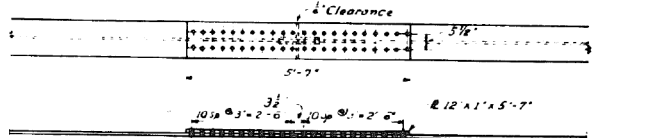
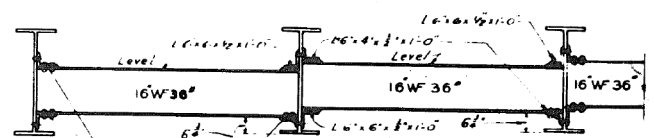
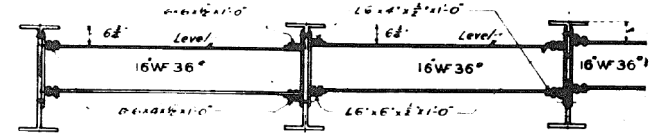
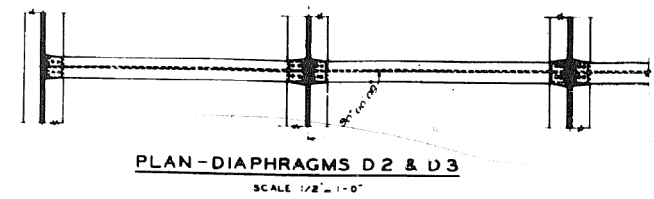
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	455
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

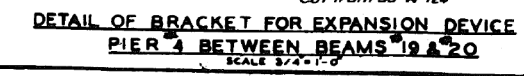
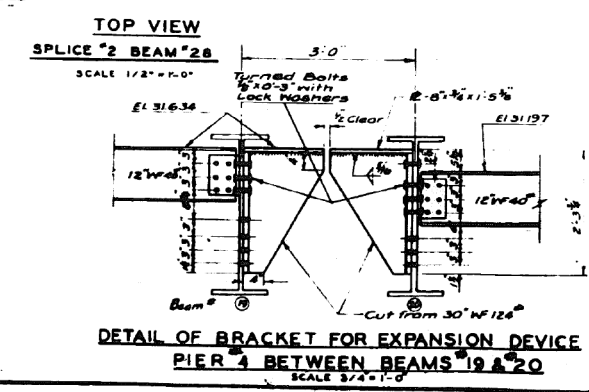
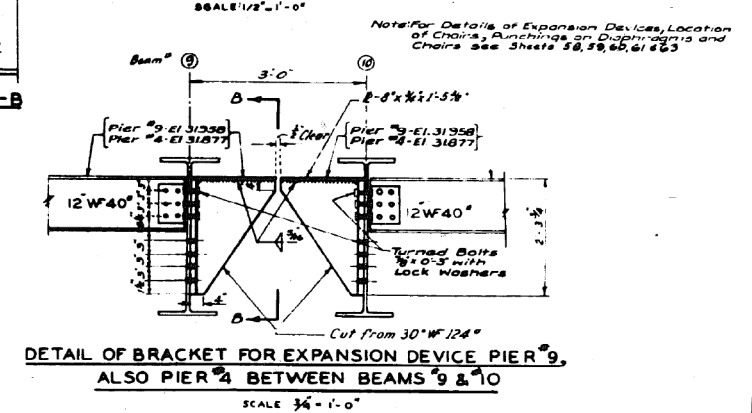
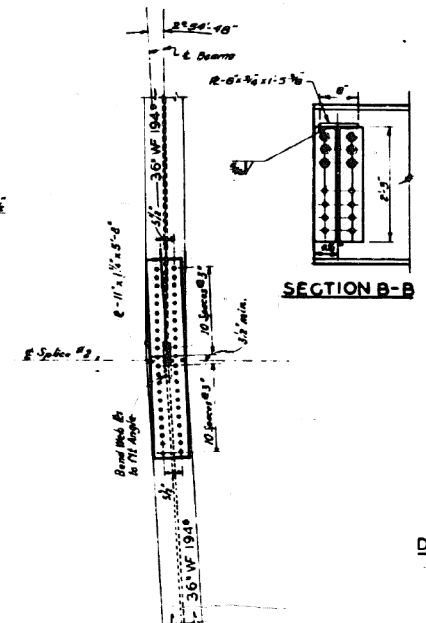
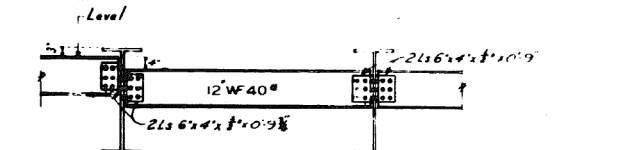
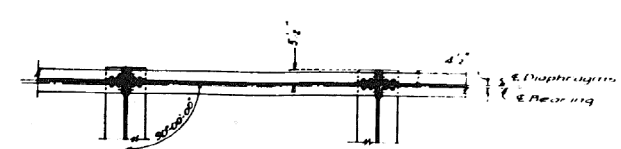
FOR INFORMATION ONLY

301-6-3



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

NOTE - FOR TABLE OF ELEVATIONS SEE SHEET 3C



REVISIONS		
DATE	BY	DESCRIPTION

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

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS

WILLIAM H. ENCHRON
 GEORGE A. GIBLIN, JR.

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

COMPUTED L.L.R. & H.T. SECTION 082-2424.3 E. 4
 DRAWN J.C. SCALE AS NOTED
 CHECKED R.N. LANG APPROVED BY J.C. LANG

APPROVED	State Aid	Fiscal	Sheet	Total	Drawing
62	1950	34	CP204		

0160461-60X78-5179-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

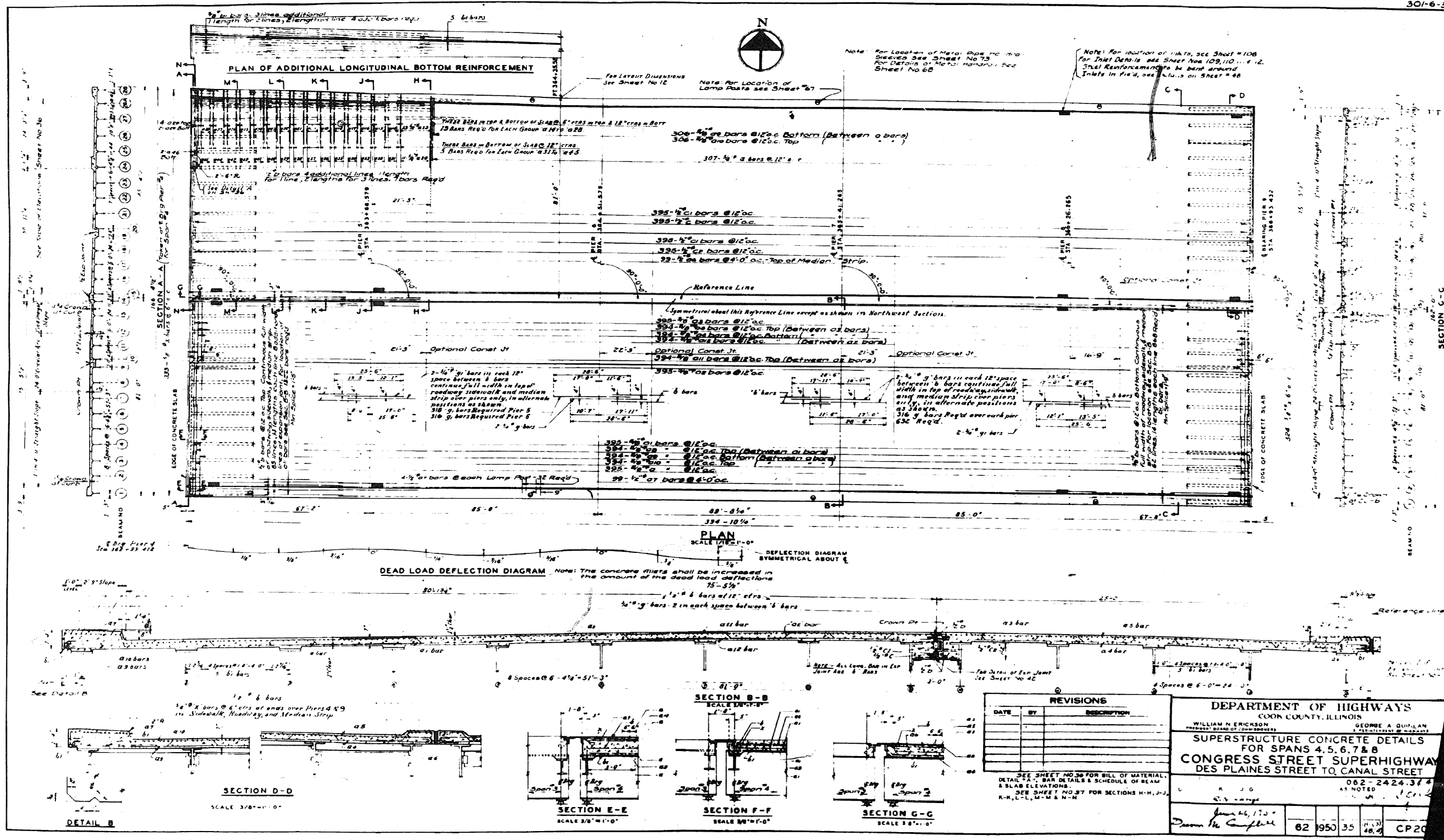
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	456
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5180-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	457
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

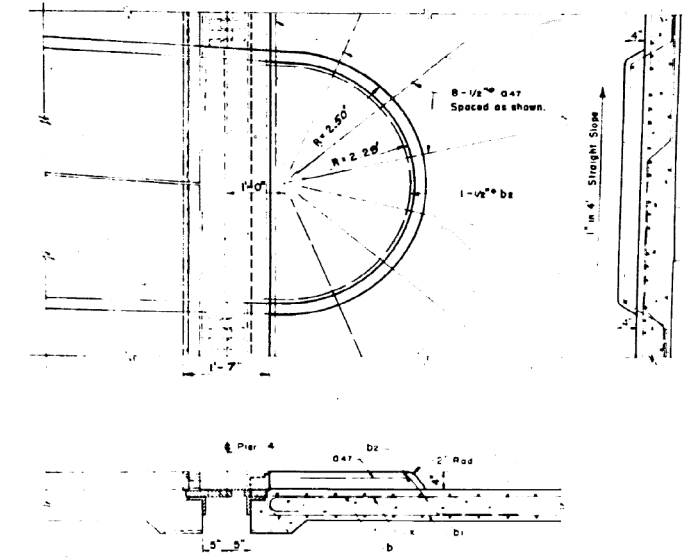
301-6-3

MARK NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J	MARK NO	SIZE	LENGTH	SKETCH	TYPE	A	B	J	MARK NO	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	D ₁	D ₂	D ₃	E	E ₁	E ₂	F	G	H	J	R	O		
018	1/2"	21'-0"						018	1/2"	23'-3"							036	5/8"	30'-3"																			
019	1/2"	28'-0"						037	5/8"	30'-0"							038	5/8"	30'-0"																			
020	1/2"	29'-8"						039	5/8"	31'-0"							040	5/8"	31'-0"																			
021	1/2"	30'-0"						041	5/8"	31'-3"							042	5/8"	31'-3"																			
022	1/2"	28'-6"						043	5/8"	31'-6"							044	5/8"	32'-0"																			
023	1/2"	27'-3"						045	5/8"	32'-3"							046	5/8"	32'-3"																			
024	1/2"	28'-3"						047	5/8"	32'-6"							048	5/8"	32'-6"																			
025	1/2"	19'-0"						049	5/8"	25'-9"							050	11/16"	28'-0"																			
026	1/2"	22'-0"						051	5/8"	29'-0"							052	5/8"	29'-0"																			
027	1/2"	22'-3"						053	5/8"	29'-0"							054	5/8"	29'-0"																			
028	1/2"	22'-3"						055	5/8"	29'-0"							056	5/8"	29'-0"																			
029	1/2"	22'-3"						057	5/8"	29'-0"							058	5/8"	29'-0"																			
030	1/2"	22'-3"						059	5/8"	29'-0"							060	5/8"	29'-0"																			

BAR SCHEDULE

Beam No	Location	E. Br. Per 4	1/2 Point	3/4 Point	E. Splice 1	E. Pier 5	E. Splice 2	1/2 Point	E. Splice 3	E. Pier 6	E. Splice 4	1/2 Point	E. Splice 5	E. Pier 7	E. Splice 6	1/2 Point	E. Splice 7	E. Pier 8	E. Splice 8	1/2 Point	3/4 Point	E. Br. Per 8
1	Top Slab	32 816	32 912	33 007	33 072	33 126	33 185	33 235	33 272	33 299	33 317	33 323	33 317	33 399	33 272	33 234	33 195	33 158	33 078	33 012	32 952	32 885
1	Top Beam	3 454	3 512	3 563	3 613	3 665	3 727	3 770	3 813	3 855	3 898	3 941	3 984	4 027	4 070	4 113	4 156	4 199	4 242	4 285	4 328	4 371
1	Top Slab	32 911	32 291	32 380	32 445	32 499	32 558	32 607	32 645	32 672	32 690	32 696	32 696	32 672	32 645	32 607	32 558	32 499	32 445	32 380	32 325	32 268
1	Top Beam	3 498	3 646	3 794	3 942	4 090	4 238	4 386	4 534	4 682	4 830	4 978	5 126	5 274	5 422	5 570	5 718	5 866	6 014	6 162	6 310	6 458

ELEVATIONS TOP OF BEAMS & TOP OF CONCRETE



BILL OF MATERIAL

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

REVISIONS

DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
DIVISION OF CONSTRUCTION

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

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

APPROVED *[Signature]* 6/23/50

6/23/50 36-101(3)
C.P. 206

0160461-60X78-5181-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

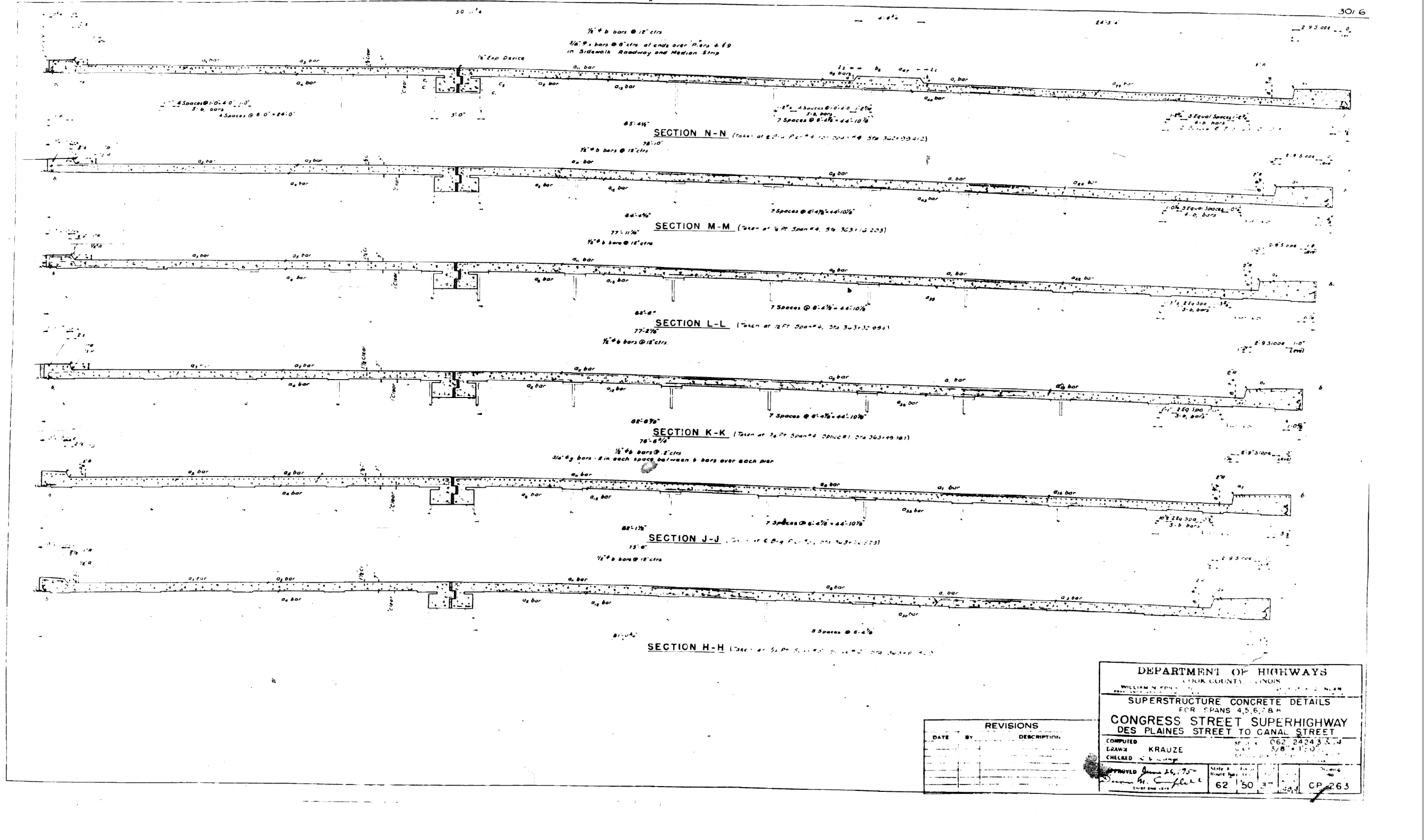
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 36 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	458
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 WILLIAM B. HART
 SUPERSTRUCTURE CONCRETE DETAILS
 FOR SPANS 4, 5, 6, 8 FT.
CONGRESS STREET SUPERHIGHWAY
DES PLAINES STREET TO CANAL STREET
 COMPUTED: KRAUZE
 DRAWN: KRAUZE
 CHECKED: KRAUZE
 APPROVED: [Signature]
 DATE: 6/26/95
 SHEET NO. 37 OF 194 SHEETS
 CONTRACT NO. 60X78
 CP 263

D:\60461-60X78-5182-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

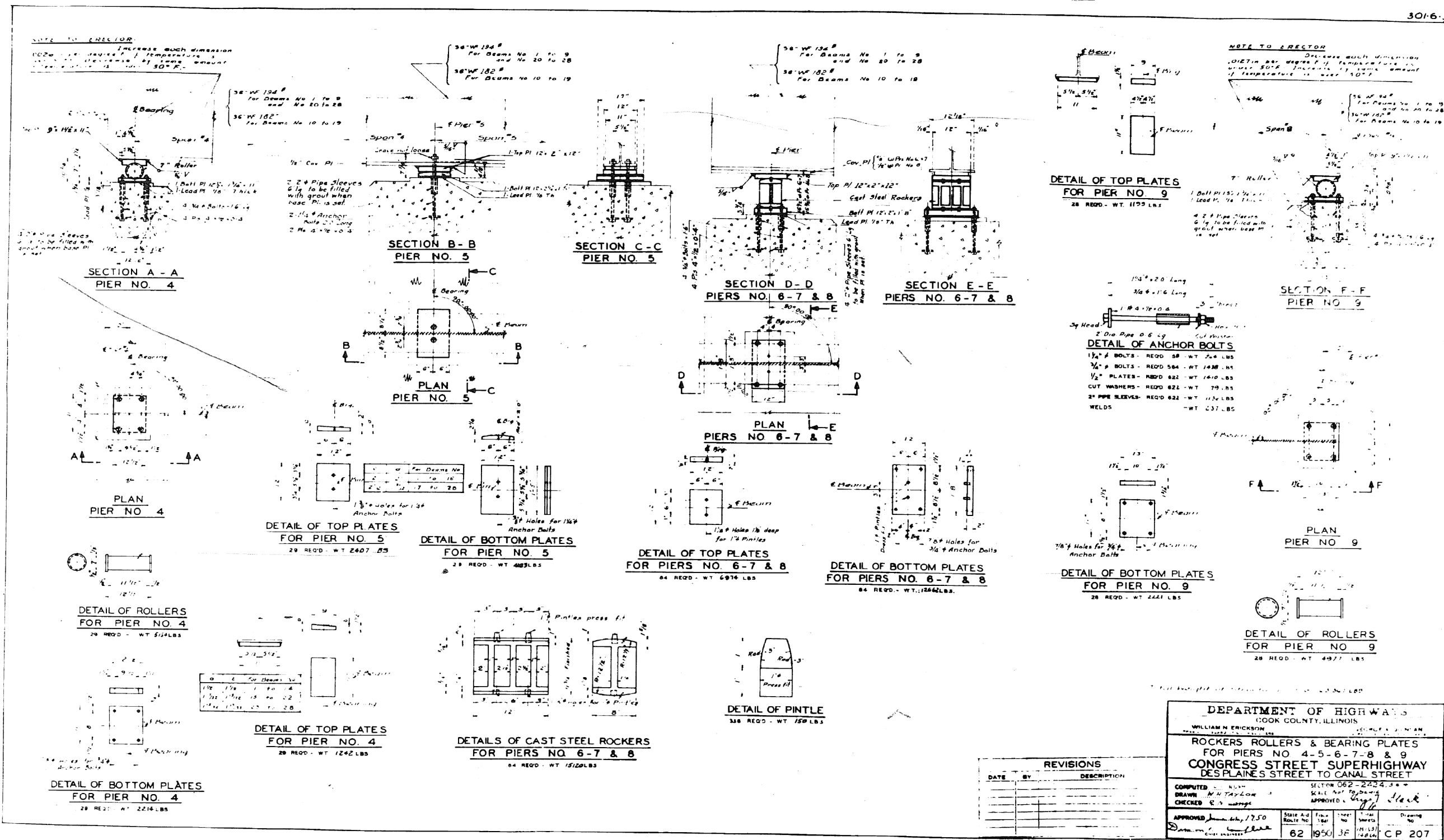
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	459
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-3



0160461-60X78-5183-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

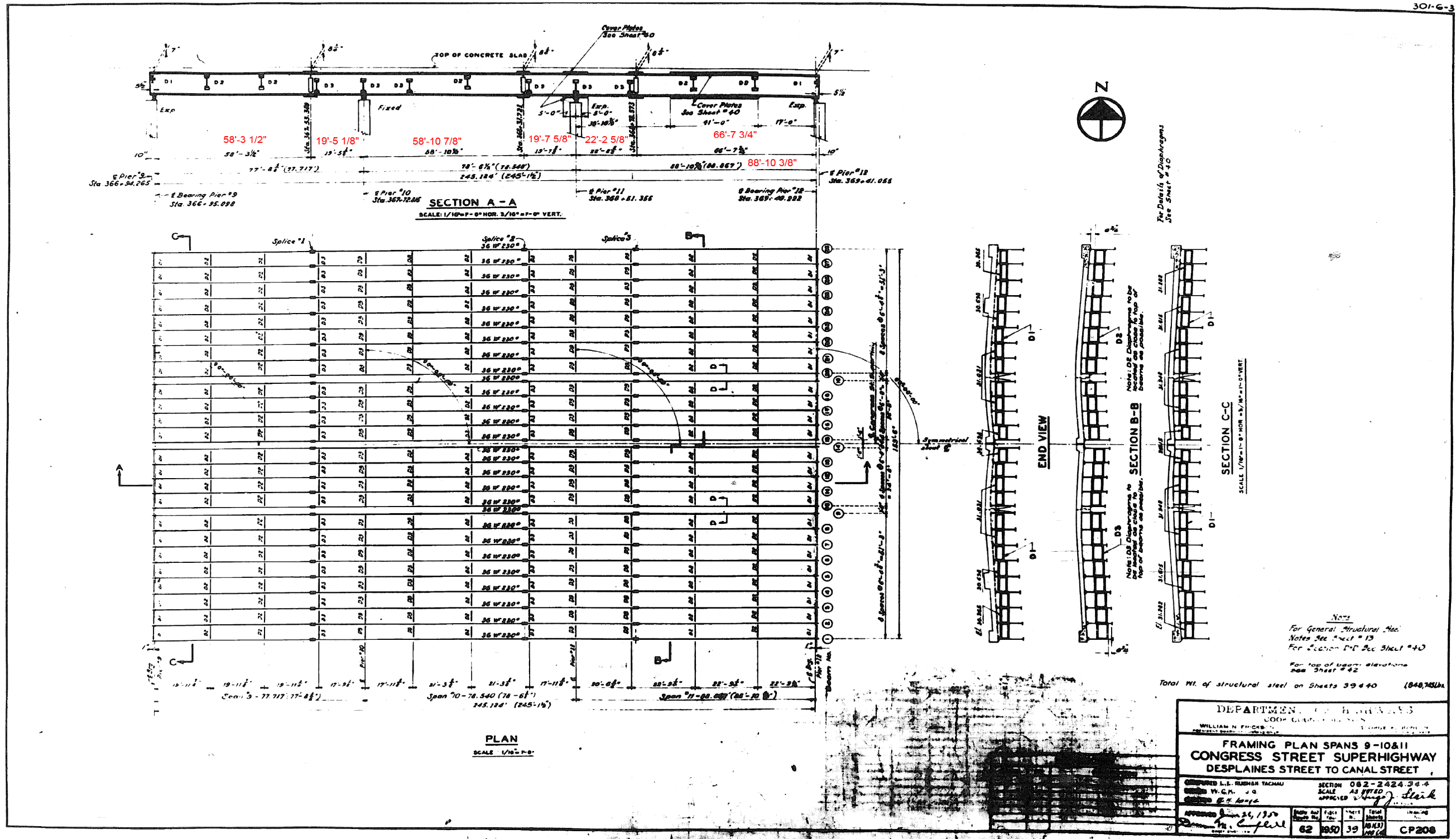
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	460
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-G-3



0160461-60X78-5184-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME =	pateld	DESIGNED -	W.C.M.
PLOT SCALE =	N.T.S.	CHECKED -	J.G.
PLOT DATE =	3/23/2016	DRAWN -	DCP
		CHECKED -	JIG

REVISD -	
REVISD -	
REVISD -	
REVISD -	

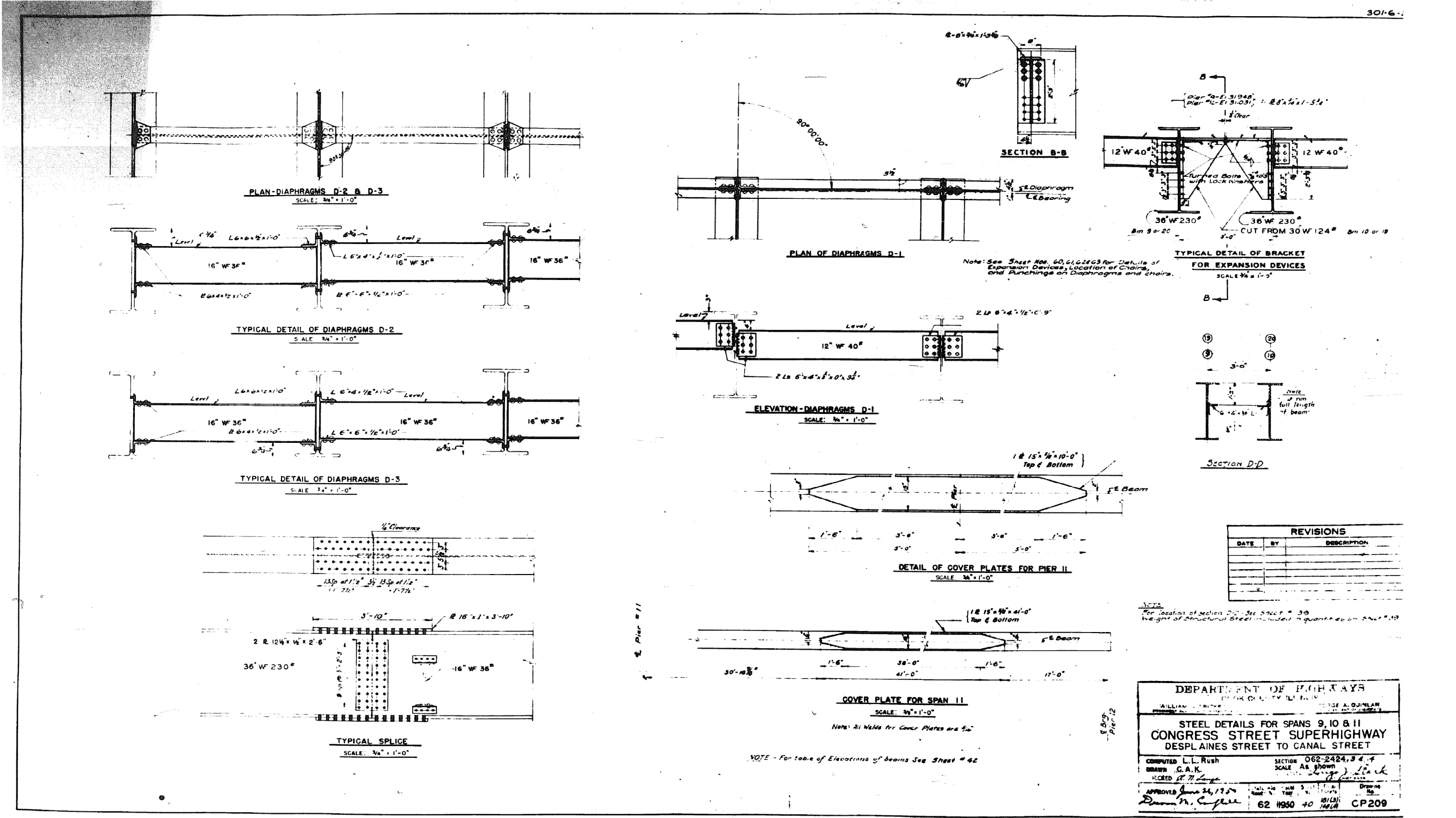
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	461
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016-



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 CHIEF ENGINEER: WILLIAM J. BRYAN
 CHIEF DESIGNER: GEORGE A. QUINLAN
 CHIEF CHECKER: JAMES J. HANCOCK

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

COMPUTED: L.L. RUSH
 DRAWN: C.A.K.
 CHECKED: R. J. [Signature]

SECTION: 062-2424.3 & 4
 SCALE: As shown

APPROVED: June 24, 1970
 [Signature]

62 H950 40 1418 CP209

0160461-60X78-5185-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

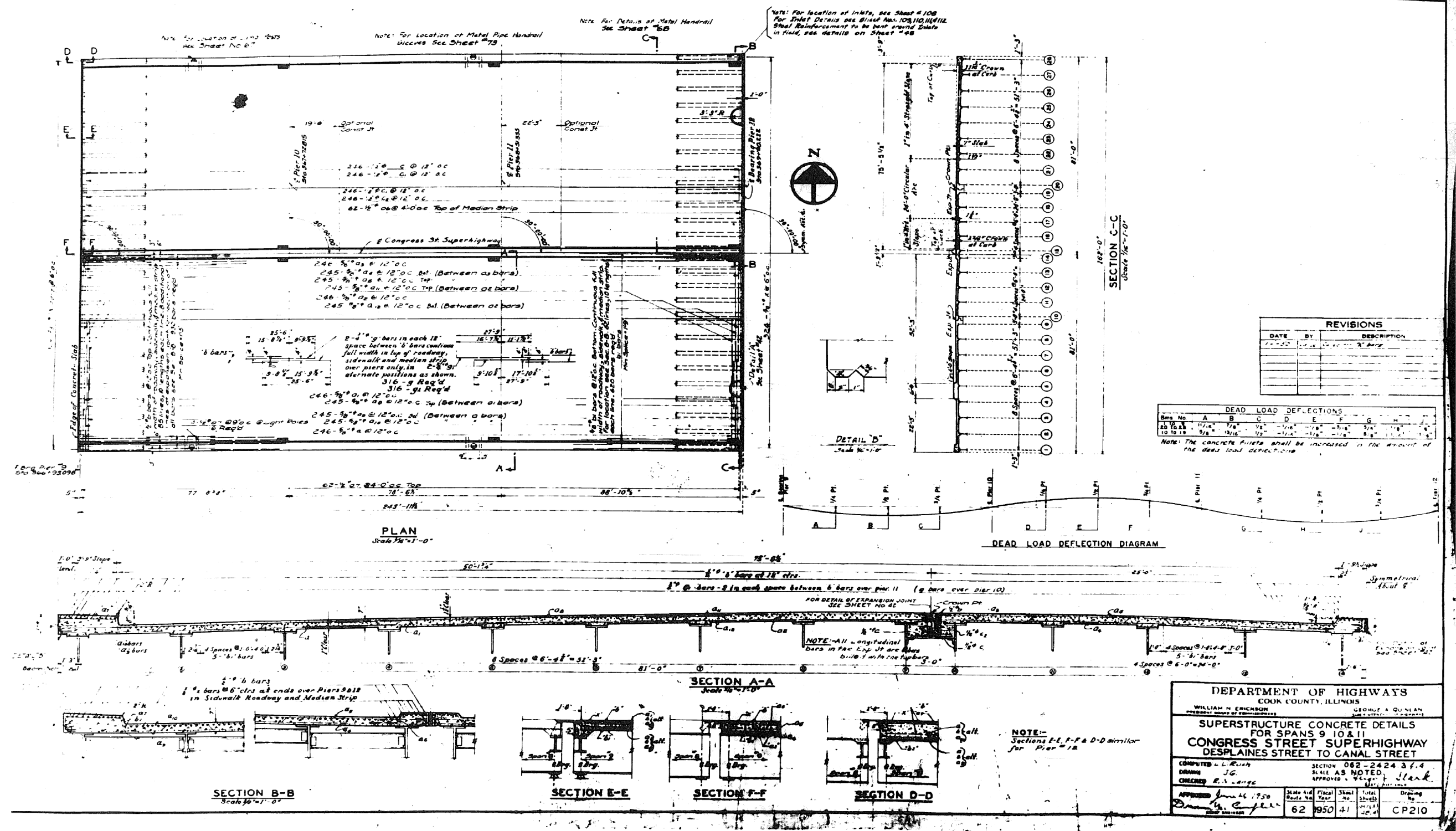
EXISTING PLANS
 STRUCTURE NO. 016-0461

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	462
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

SHEET NO. 40 OF 194 SHEETS

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5186-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

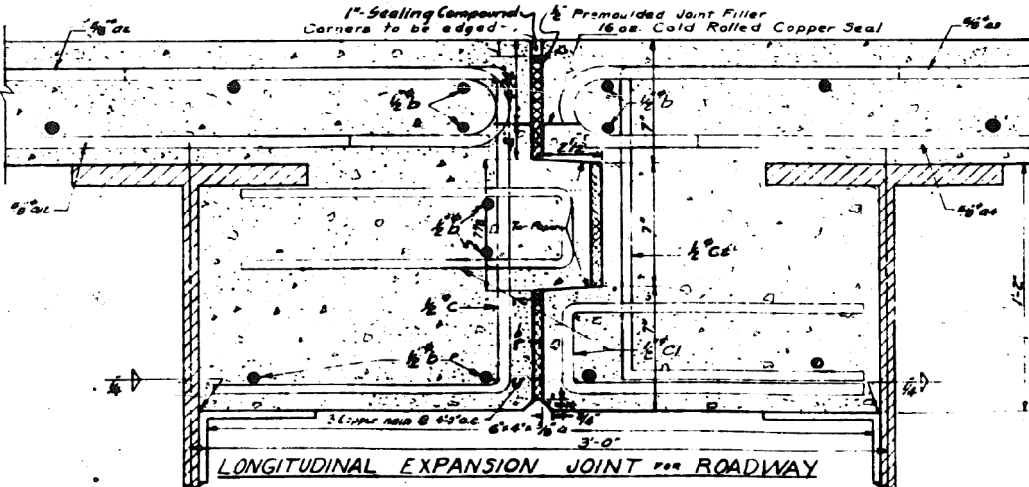
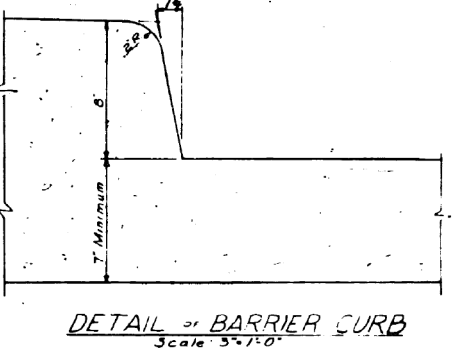
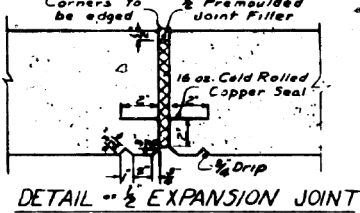
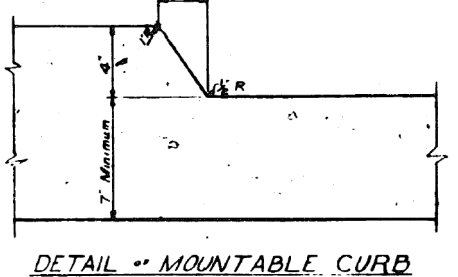
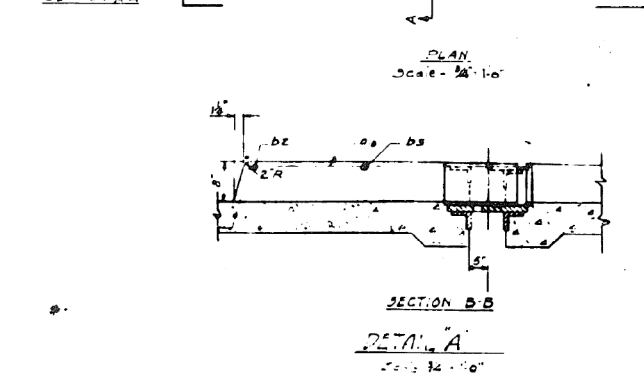
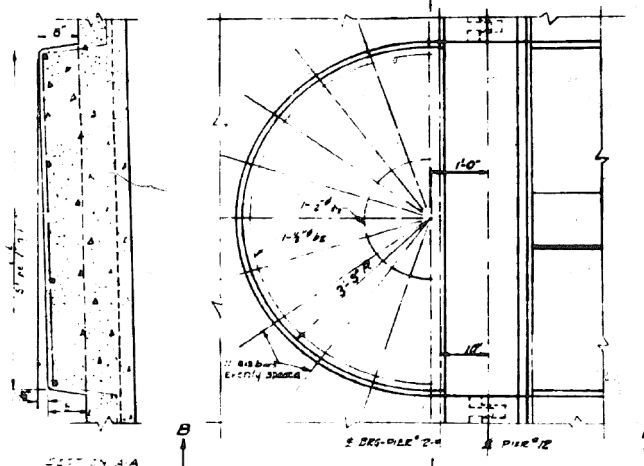
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	463
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3

ELEVATIONS OF TOPS OF BEAMS & CONCRETE															
Span No.	Location	SPAN #9							SPAN #10						
		Station	Elev.	Station	Elev.	Station	Elev.	Station	Elev.	Station	Elev.	Station	Elev.		
10	Center of Roadway	32.000	31.838	32.158	32.000	32.158	32.000	32.158	32.000	32.158	32.000	32.158	32.000	32.158	
	Top of Curb	32.200	32.000	32.150	32.000	32.150	32.000	32.150	32.000	32.150	32.000	32.150	32.000	32.150	
	Top of Slab	32.400	32.200	32.350	32.200	32.350	32.200	32.350	32.200	32.350	32.200	32.350	32.200	32.350	
STATIONING		32.000	32.500	33.000	33.500	34.000	34.500	35.000	35.500	36.000	36.500	37.000	37.500	38.000	

BILL OF MATERIAL																		
MARK NO	SIZE	LENGTH	SKETCH	TYPE 1					TYPE 2					TYPE 3				
				A	B	C	D	E	A	B	C	D	E	A	B	C	D	E
Q1	4" x 8"	10'-0"	[Sketch]															
Q2	2" x 4"	10'-0"	[Sketch]															



REVISIONS		
DATE	BY	DESCRIPTION
11-1-50	Large	Large Curb for 6' x 6' curbs

DEPARTMENT OF HIGHWAYS
 WILLIAM N. FRICKHOFF, COMMISSIONER
 GEORGE A. QUINN, ASSISTANT COMMISSIONER

CONTRACT NO. 60X78
 SUPERSTRUCTURE CONCRETE DETAILS
 FOR SPANS 9, 10 & 11
 CONGRESS STREET SUPERHIGHWAY
 DES PLAINES STREET TO CANAL STREET

DESIGNED BY: B.G. H...
 DRAWN BY: B.G. H...
 CHECKED BY: E.H. W...

APPROVED: [Signature] 1/25/50
 DATE: 1/25/50
 SHEET NO. 42 OF 194
 DRAWING NO. CP 211

0160461-60X78-5187-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

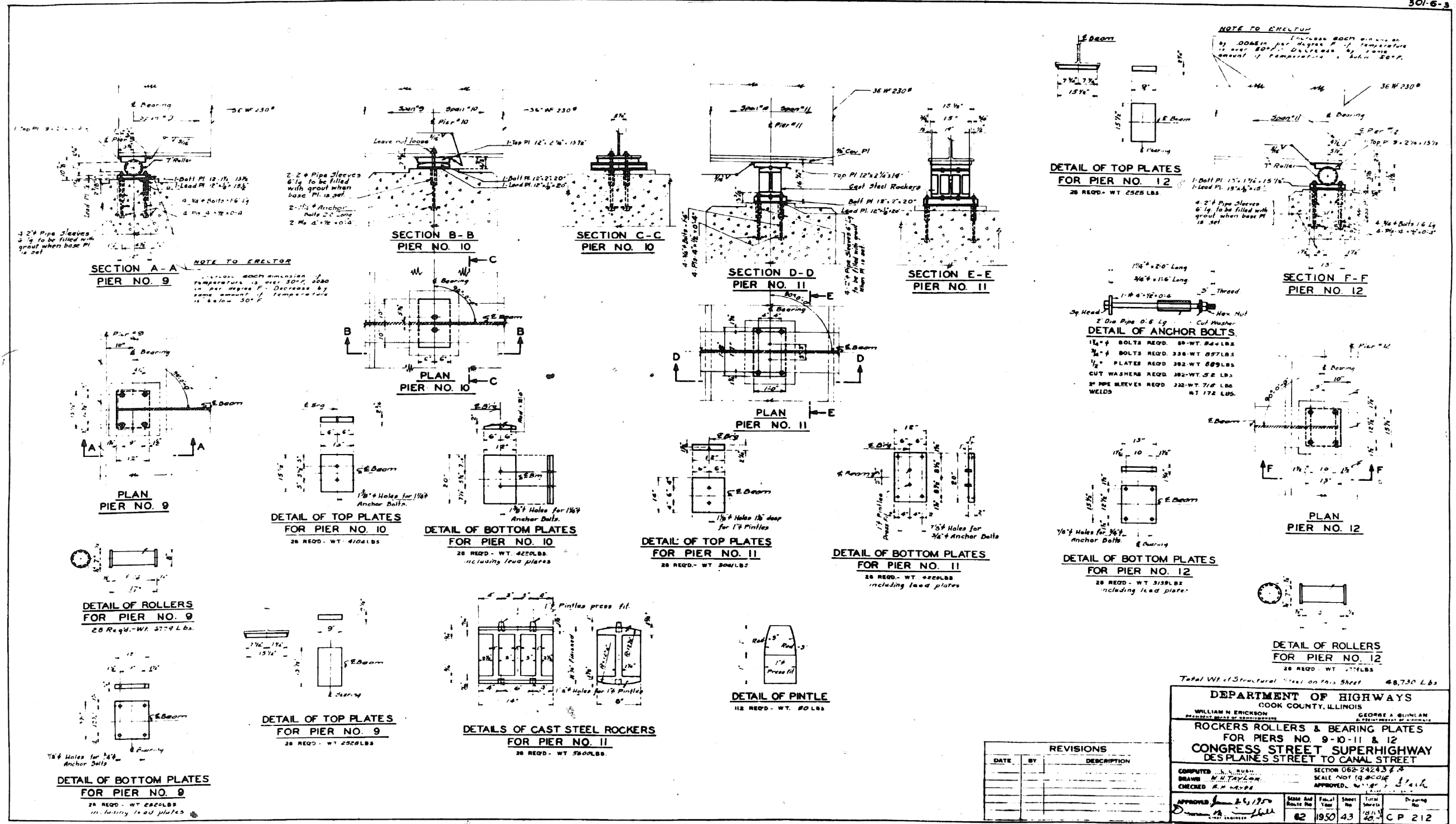
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 42 OF 194 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 464
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X78	

FOR INFORMATION ONLY

301-6-3

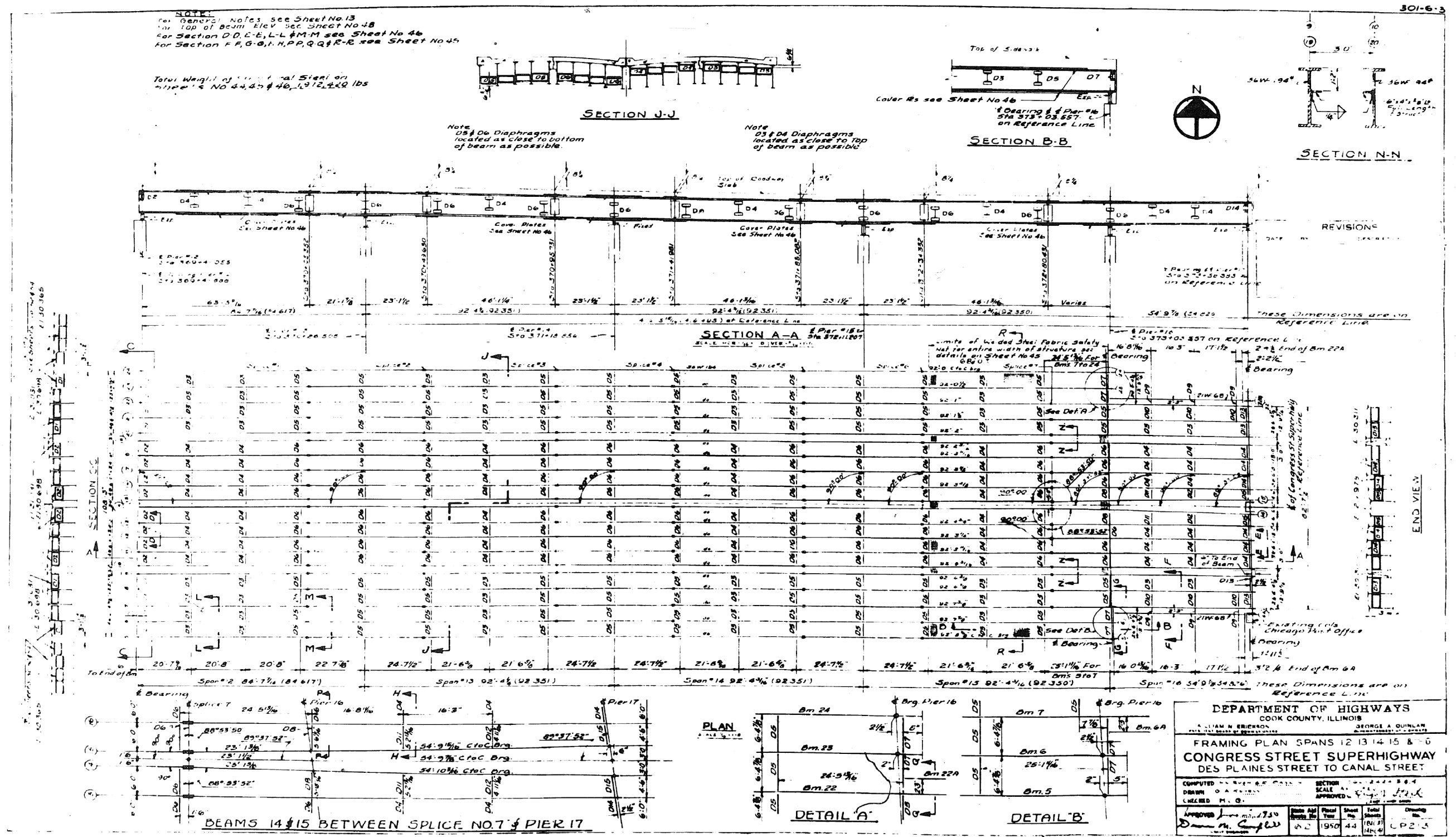


DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS WILLIAM H. ERICKSON PRESIDENT BOARD OF SUPERVISORS		GEORGE A. BLINMAN COUNTY ENGINEER	
ROCKERS ROLLERS & BEARING PLATES FOR PIERS NO. 9-10-11 & 12 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET			
COMPUTED BY: J. H. RYAN DRAWN BY: M. J. TAYLOR CHECKED BY: R. M. WELLS	SECTION 062-2424.3 SCALE: NOT TO SCALE APPROVED: <i>[Signature]</i>		
APPROVED: <i>[Signature]</i> COUNTY ENGINEER	DATE: 6/1/1950	SHEET NO: 43	DRAWING NO: CP 212

DATE	BY	DESCRIPTION

0160461-60X78-5188-EXT.dgn

FOR INFORMATION ONLY



0160461-60X78-5189-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

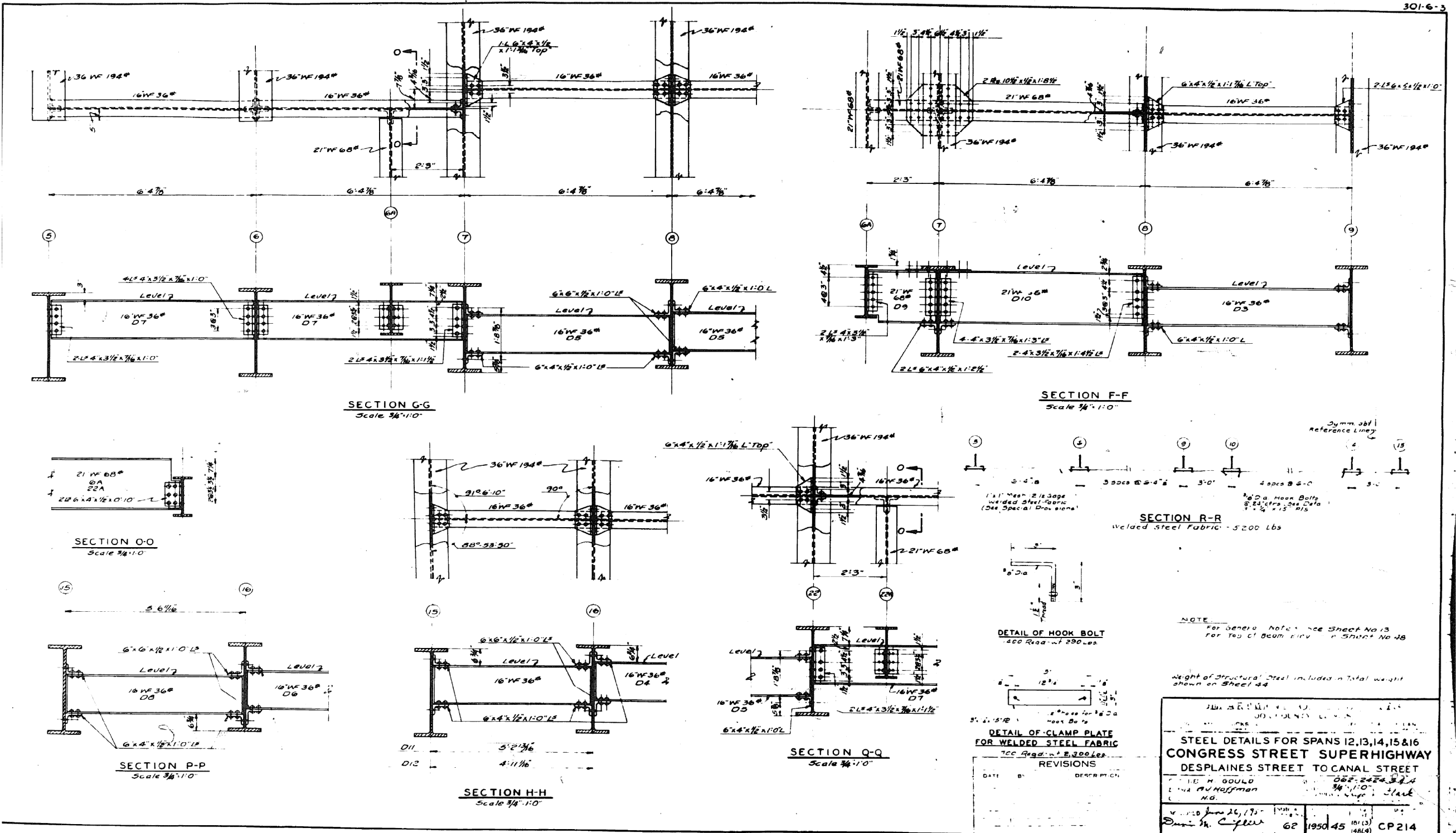
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
 STRUCTURE NO. 016-0461
 SHEET NO. 44 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	466
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



STEEL DETAILS FOR SPANS 12,13,14,15 & 16 CONGRESS STREET SUPERHIGHWAY DESPLAINES STREET TO CANAL STREET	
DATE: 10/26/1950 DRAWN BY: H. G. BOULD CHECKED BY: H. G. BOULD	SCALE: 3/4"=1'-0" SHEET NO.: 45 OF 194 SHEETS

0160461-60X78-5190-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

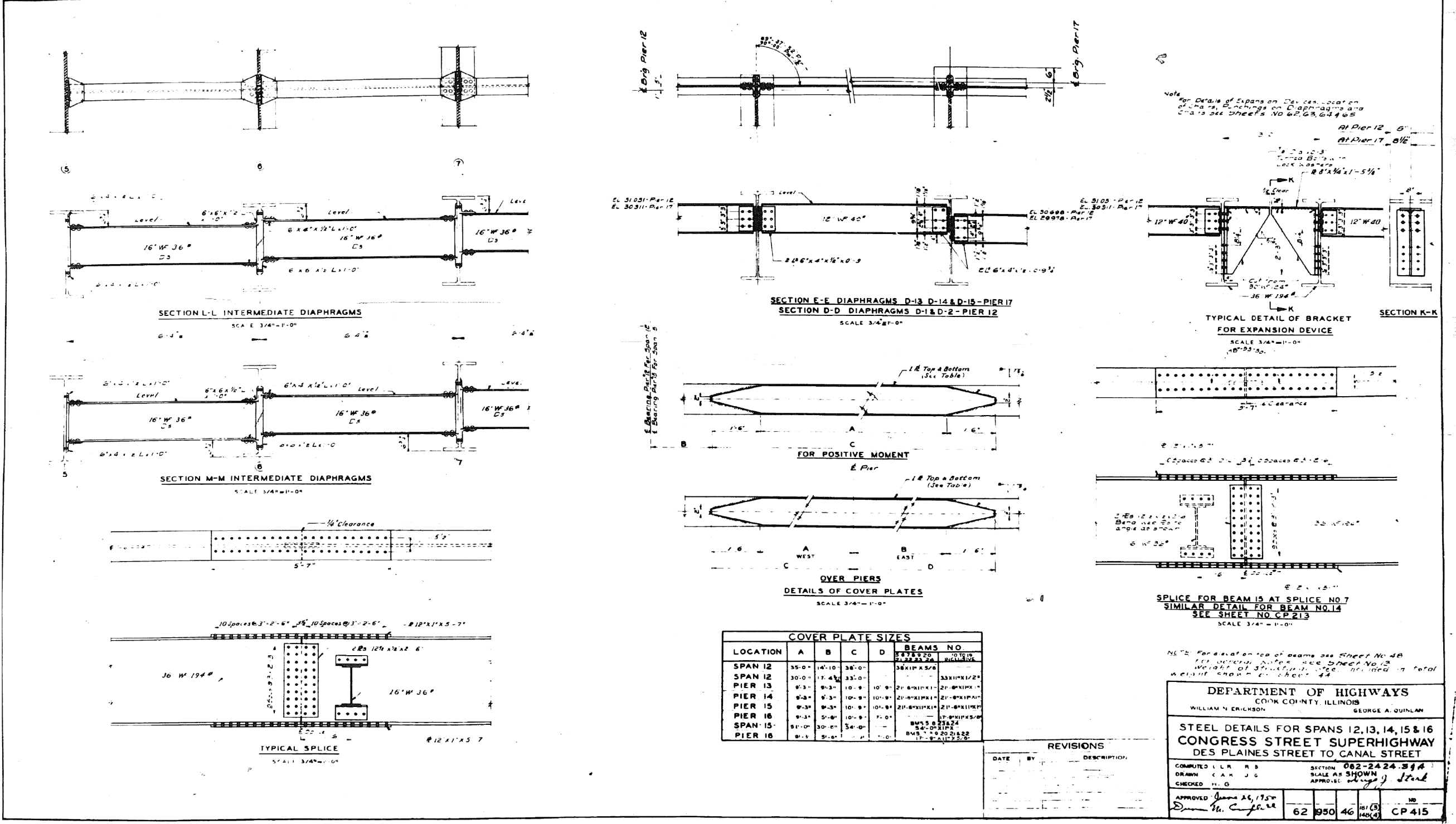
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 45 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	467
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5191-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

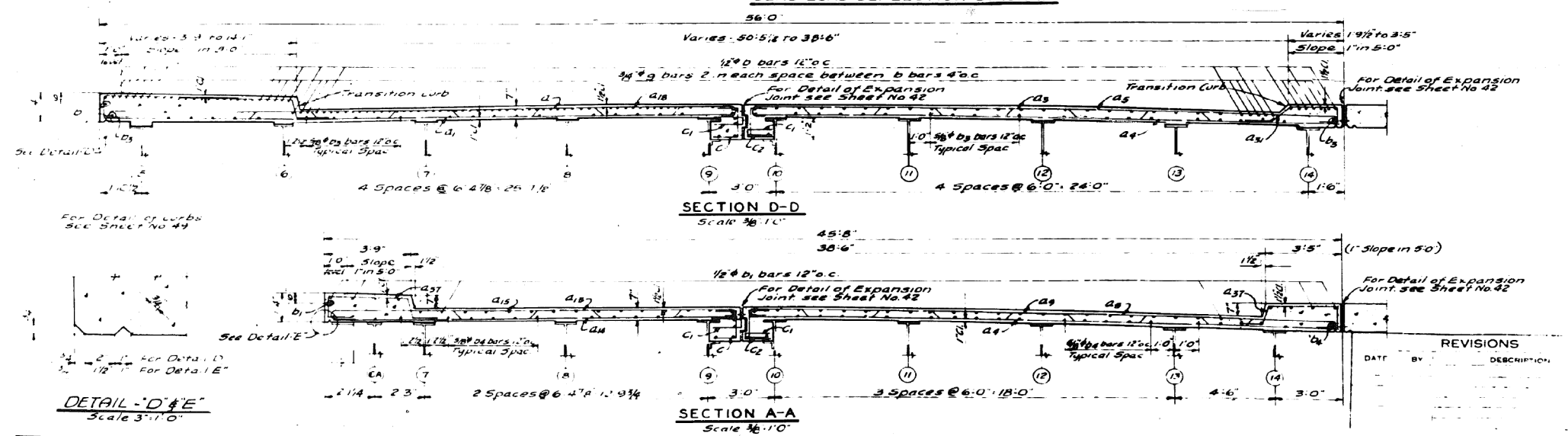
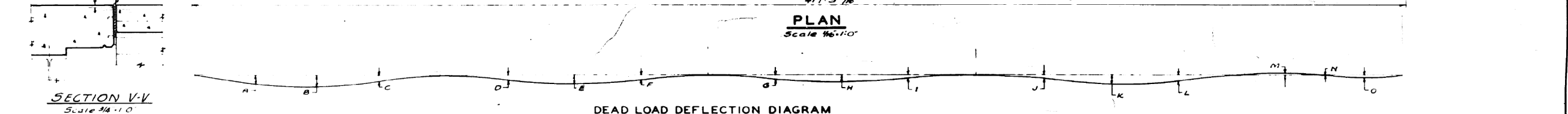
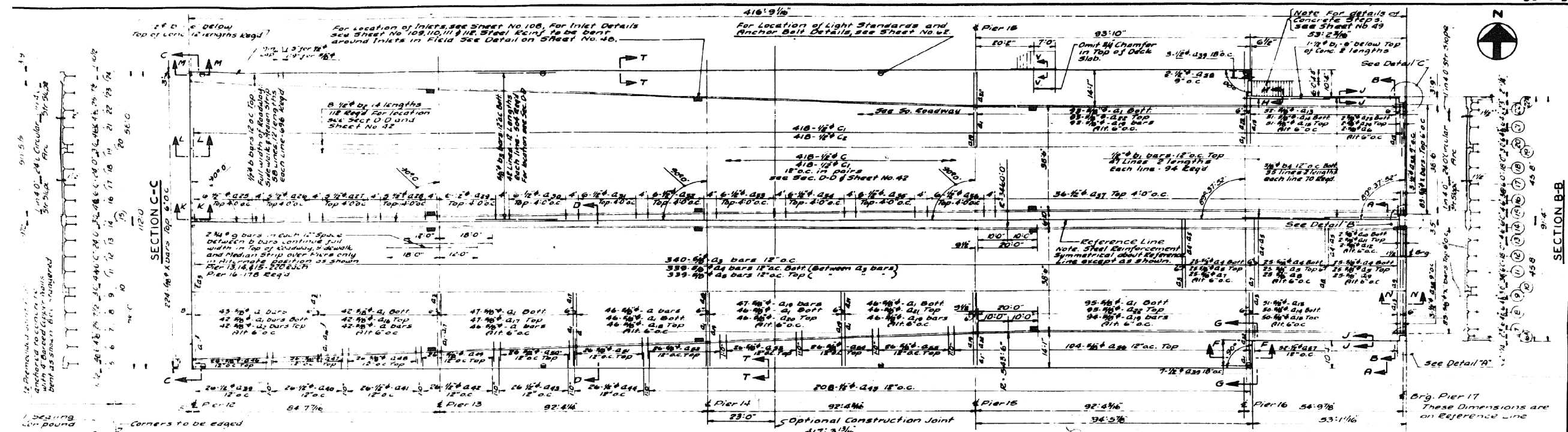
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 46 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	468
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. PUGH, COUNTY ENGINEER

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

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

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

62 1950 47 C.P.215

NO.	DATE	DESCRIPTION

0160461-60X78-5192-EXT.dgn

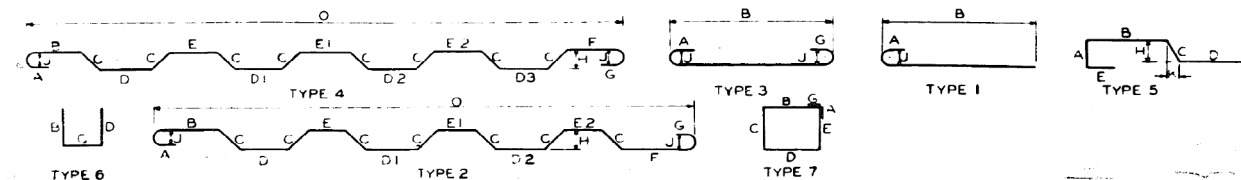
FOR INFORMATION ONLY

3016-3

ELEVATIONS OF TOPS OF BEAMS & CONCRETE

BEAM LOCATION	SPAN NO. 12					SPAN NO. 13					SPAN NO. 14				
	1/4 POINT	1/2 POINT	SPLICE NO. 1	SPLICE NO. 2	SPLICE NO. 3	1/4 POINT	1/2 POINT	SPLICE NO. 1	SPLICE NO. 2	SPLICE NO. 3	1/4 POINT	1/2 POINT	SPLICE NO. 1	SPLICE NO. 2	SPLICE NO. 3
CROWN OF ROADWAY	31.784	31.692	31.611	31.524	31.430	31.718	31.615	31.513	31.410	31.307	31.708	31.604	31.500	31.396	31.292
OUTER CURB	31.784	31.692	31.611	31.524	31.430	31.718	31.615	31.513	31.410	31.307	31.708	31.604	31.500	31.396	31.292
INNER CURB	31.784	31.692	31.611	31.524	31.430	31.718	31.615	31.513	31.410	31.307	31.708	31.604	31.500	31.396	31.292

BEAM LOCATION	SPAN NO. 15					SPAN NO. 16				
	1/4 POINT	1/2 POINT	SPLICE NO. 1	SPLICE NO. 2	SPLICE NO. 3	1/4 POINT	1/2 POINT	SPLICE NO. 1	SPLICE NO. 2	SPLICE NO. 3
CROWN OF ROADWAY	31.133	31.184	31.232	31.280	31.328	31.121	31.172	31.220	31.268	31.316
OUTER CURB	31.133	31.184	31.232	31.280	31.328	31.121	31.172	31.220	31.268	31.316
INNER CURB	31.133	31.184	31.232	31.280	31.328	31.121	31.172	31.220	31.268	31.316

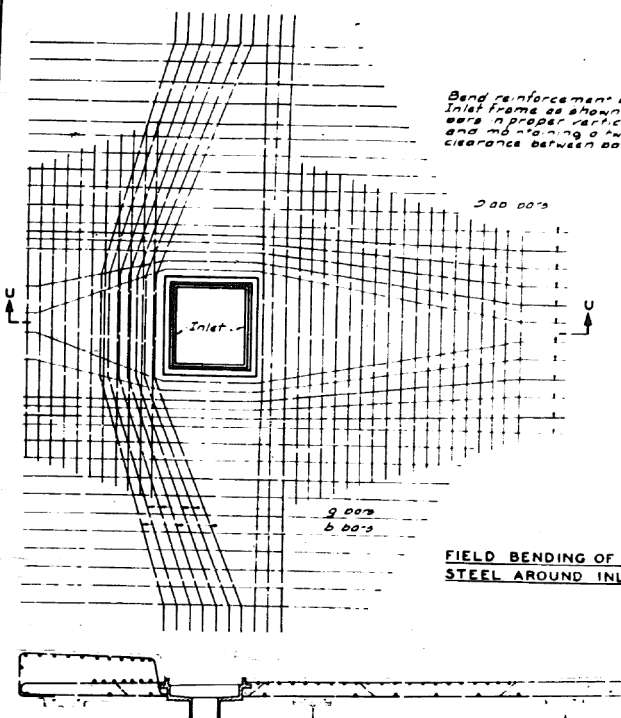
BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	D1	D2	D3	E	E1	E2	F	G	H	J	K	O	
Q2	84	3/8"	27-6		1	7	26-11															26-7

MARK	NO.	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	E	G	H	J	K
Q52	52	3/8"	8-6		5	6-0	1-0	1-6						2

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

MARK	NO.	SIZE	LENGTH	SKETCH
Q1	724	3/8"	28-9	



Bend reinforcement bars around Inlet frame as shown keeping bars in proper position. Do not end bending bars near a clearance between bars.

SECTION U-U

FIELD BENDING OF SLAB STEEL AROUND INLETS

REVISIONS	
DATE	DESCRIPTION

DEPARTMENT OF HIGHWAYS
 WILLIAM N. ERICKSON
 GEORGE A. JOURNAL

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

UNPLATE: RUSH & GOULD SECTION 082-2424 38-4
 SCALE: 1/2"=1'-0"
 DRAWN: J.G.S.
 CHECKED: H.G.

APPROVED: J.G.S.
 DATE: 11/11/1950
 SHEET NO. 48
 TOTAL SHEETS 148
 PROJECT NO. CP 216

0160461-60X78-5193-EXT.dgn

PARSONS BRINCKERHOFF USER NAME = pateld DESIGNED - CHECKED - REVISED -
 PLOT SCALE = N.T.S. DRAWN = DCP CHECKED - JIG REVISED -
 PLOT DATE = 3/23/2016 CHECKED - JIG REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

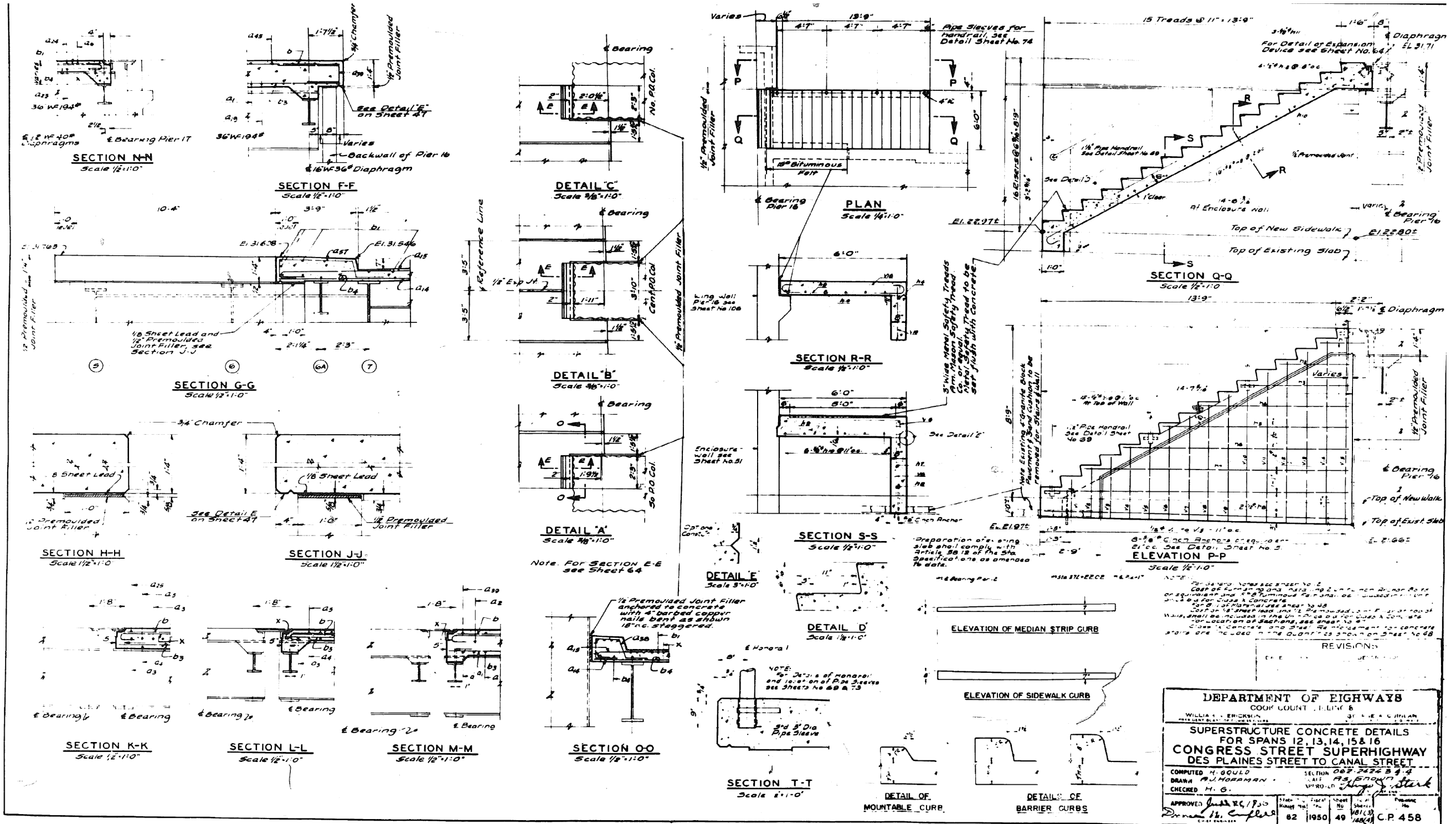
EXISTING PLANS
 STRUCTURE NO. 016-0461

SHEET NO. 48 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	470

CONTRACT NO. 60X78 ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY



0160461-60X78-5194-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

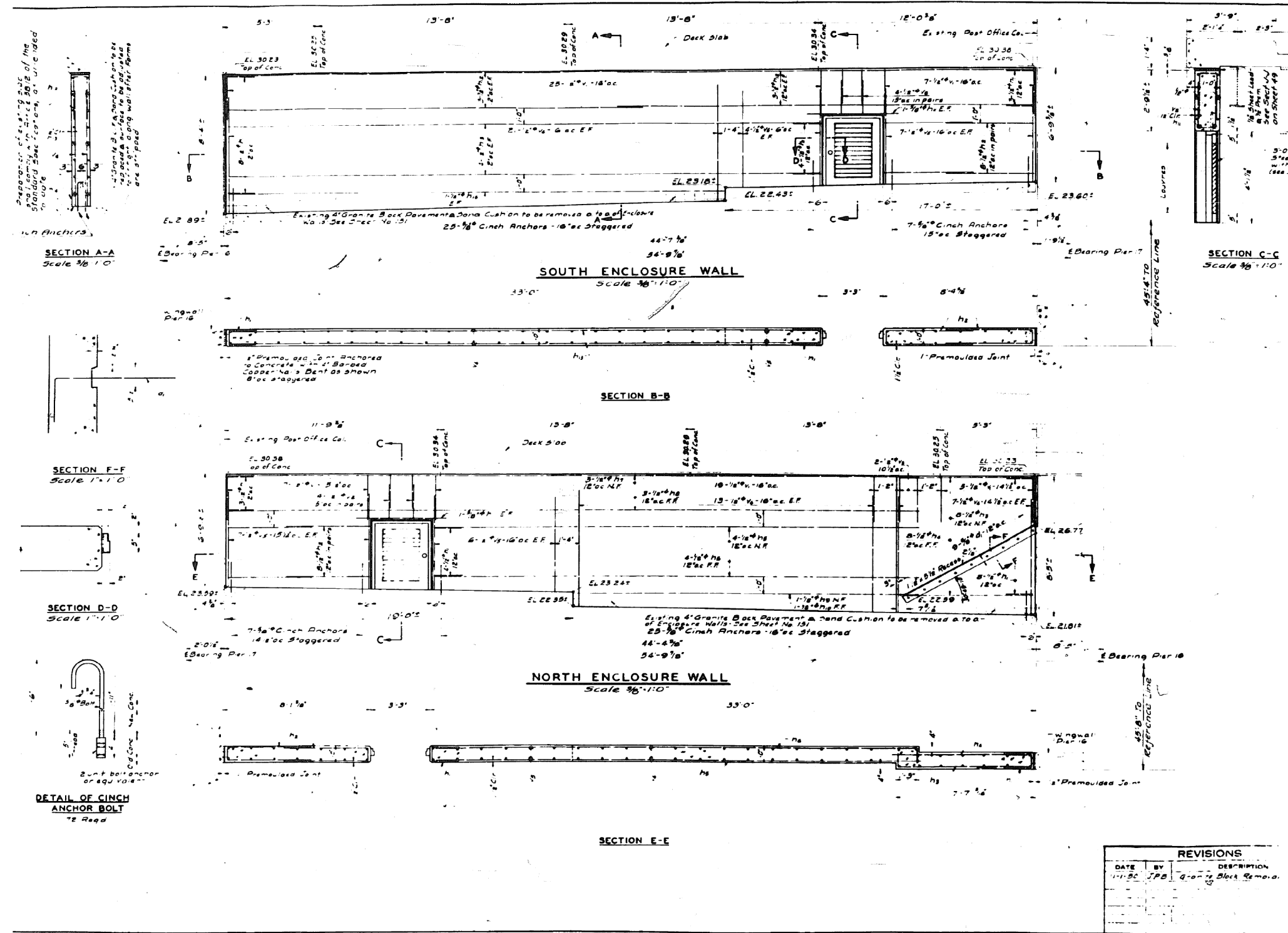
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 49 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	471
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

301-6-3



BILL OF MATERIAL

Mark	Qty	Size	Length	Material	Type	A	B	C	D
D1	30	1/2"	3'-3"	U	6	1'-0"	9'	1'-0"	
D2	18	1/2"	10'-3"	U	6	4'-9"	9'	4'-9"	
D3	6	1/2"	8'-3"	U	5	1'-0"	7'-3"		
D4	4	1/2"	7'-0"	U	5	9'	2'-3"		
D5	4	1/2"	26'-9"	U	5	10'-2"	37'-2"		
D6	2	1/2"	27'-0"	U	5	10'-2"	37'-2"		
D7	7	1/2"	19'-0"	U	6	2'-8"	8'	2'-8"	
D8	4	1/2"	19'-6"	U	6	2'-8"	8'	2'-8"	
D9	4	1/2"	22'-9"	U	6	2'-8"	8'	2'-8"	
D10	2	1/2"	27'-3"	U	6	2'-8"	8'	2'-8"	
V1	63	1/2"	6'-0"	U	6	2'-8"	8'	2'-8"	
V2	3	1/2"	4'-9"	U	6	2'-8"	8'	2'-8"	
V3	5	1/2"	3'-3"	U	6	2'-8"	8'	2'-8"	
V4	62	1/2"	7'-0"	U	6	2'-8"	8'	2'-8"	
V5	18	1/2"	5'-9"	U	6	2'-8"	8'	2'-8"	
D11	9	5/8"	3'-0"	U	5	1'-0"	2'-6"		

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

LU Vols 22.6
lbs 833
each 2

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

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

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

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

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

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

Sheet No: 51
Total Sheets: 148 (6)

DATE: 82
YEAR: 1950

PROJECT NO.: C.P. 416

REVISIONS

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

0160461-60X78-5196-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

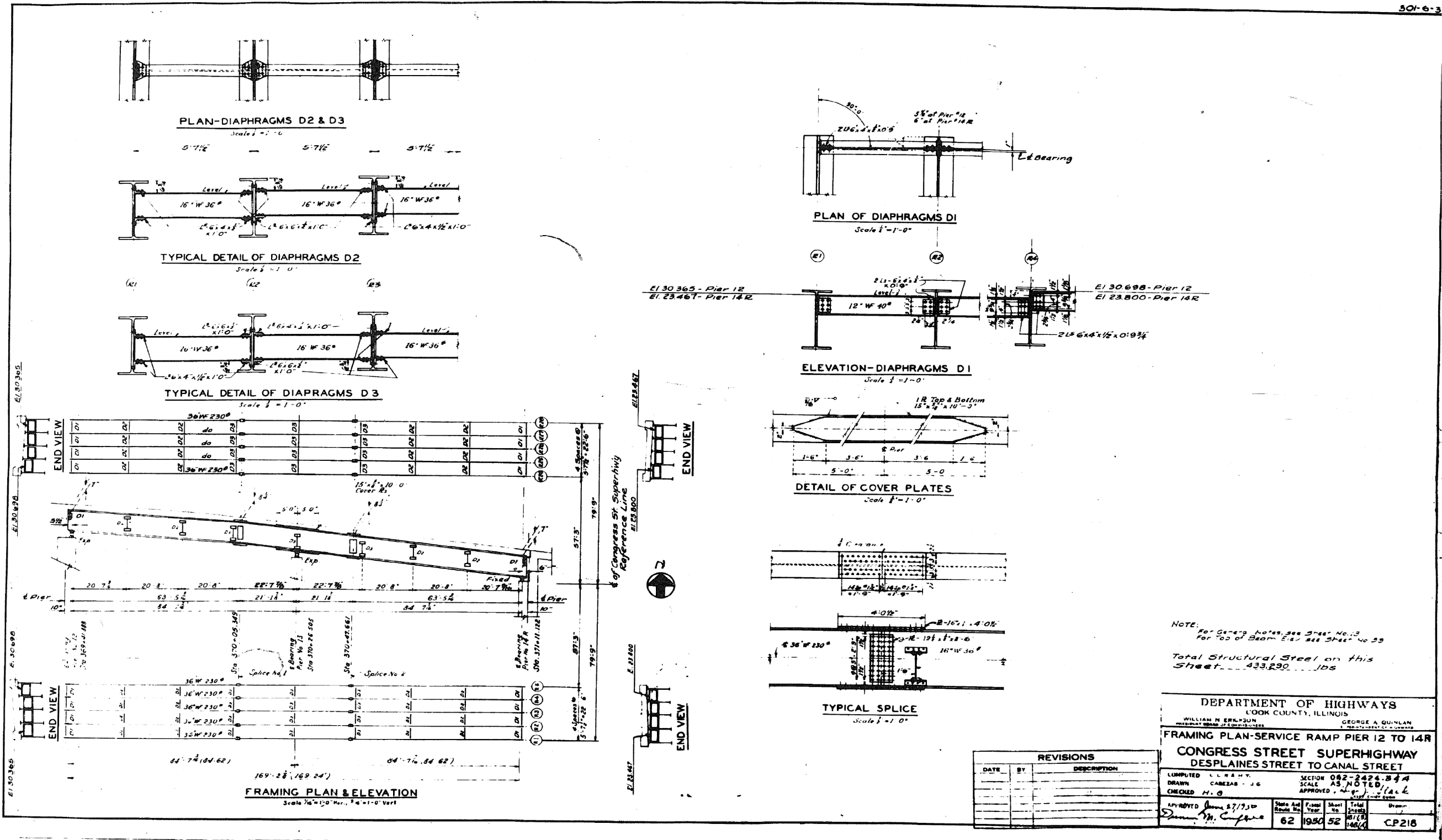
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	473
			CONTRACT NO. 60X78	
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

501-e-3



NOTE:
For General Notes, see Sheet No. 13
For Top of Beam Elevation, see Sheet No. 33
Total Structural Steel on this
Sheet - 433,230 lbs

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERLANDSON
MEMBER BOARD OF COMMISSIONERS

GEORGE A. QUINLAN
MEMBER BOARD OF COMMISSIONERS

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

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

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

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X78-5197-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

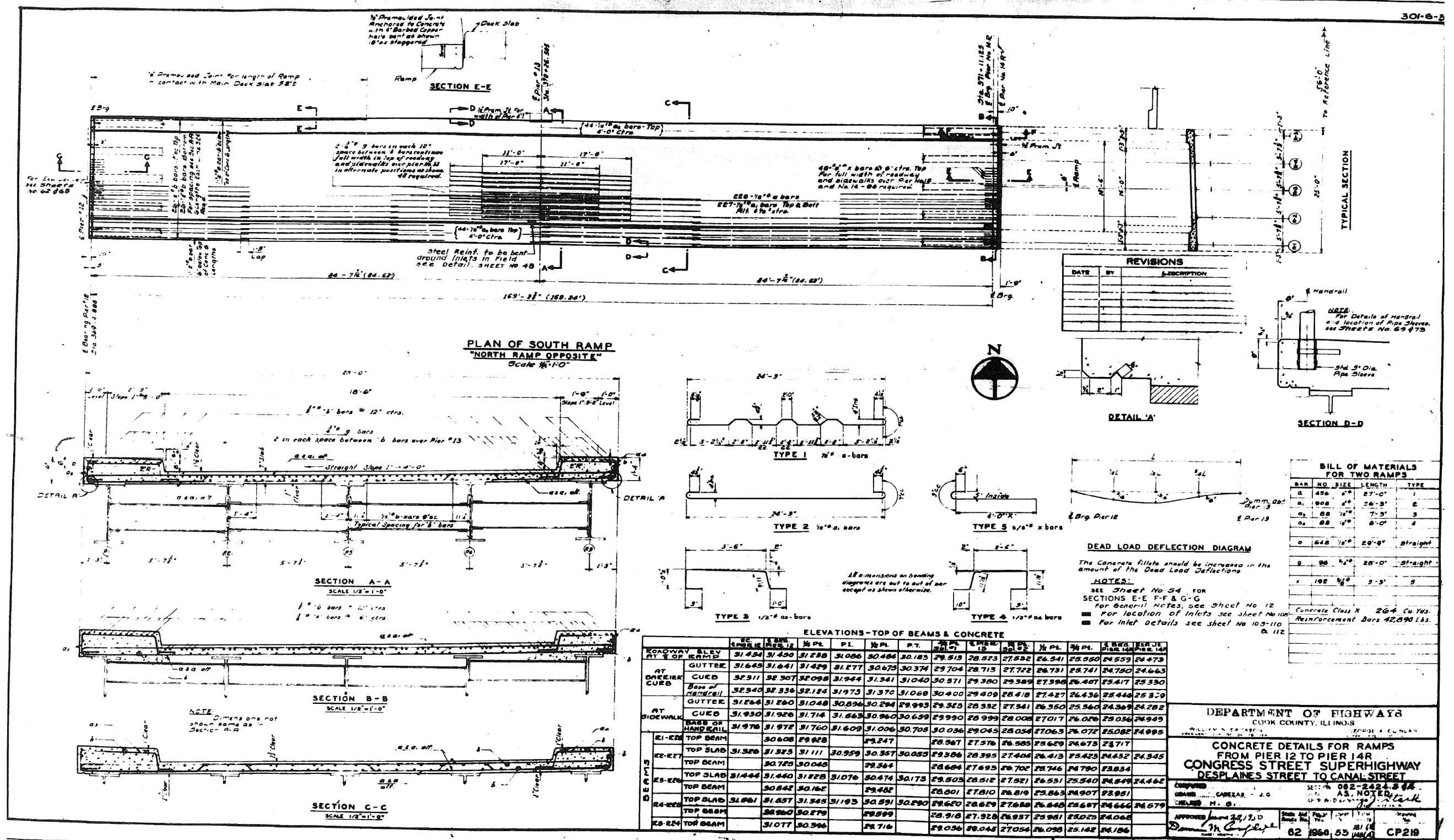
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 52 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	474
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



**PARSONS
BRINCKERHOFF**

USER NAME = pateld
DESIGNED -
CHECKED -
PLOT SCALE = N.T.S.
DRAWN - DCP
PLOT DATE = 3/23/2016
CHECKED - JIG

DESIGNED -
CHECKED -
DRAWN - DCP
CHECKED - JIG

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS
STRUCTURE NO. 016-0461**

SHEET NO. 53 OF 194 SHEETS

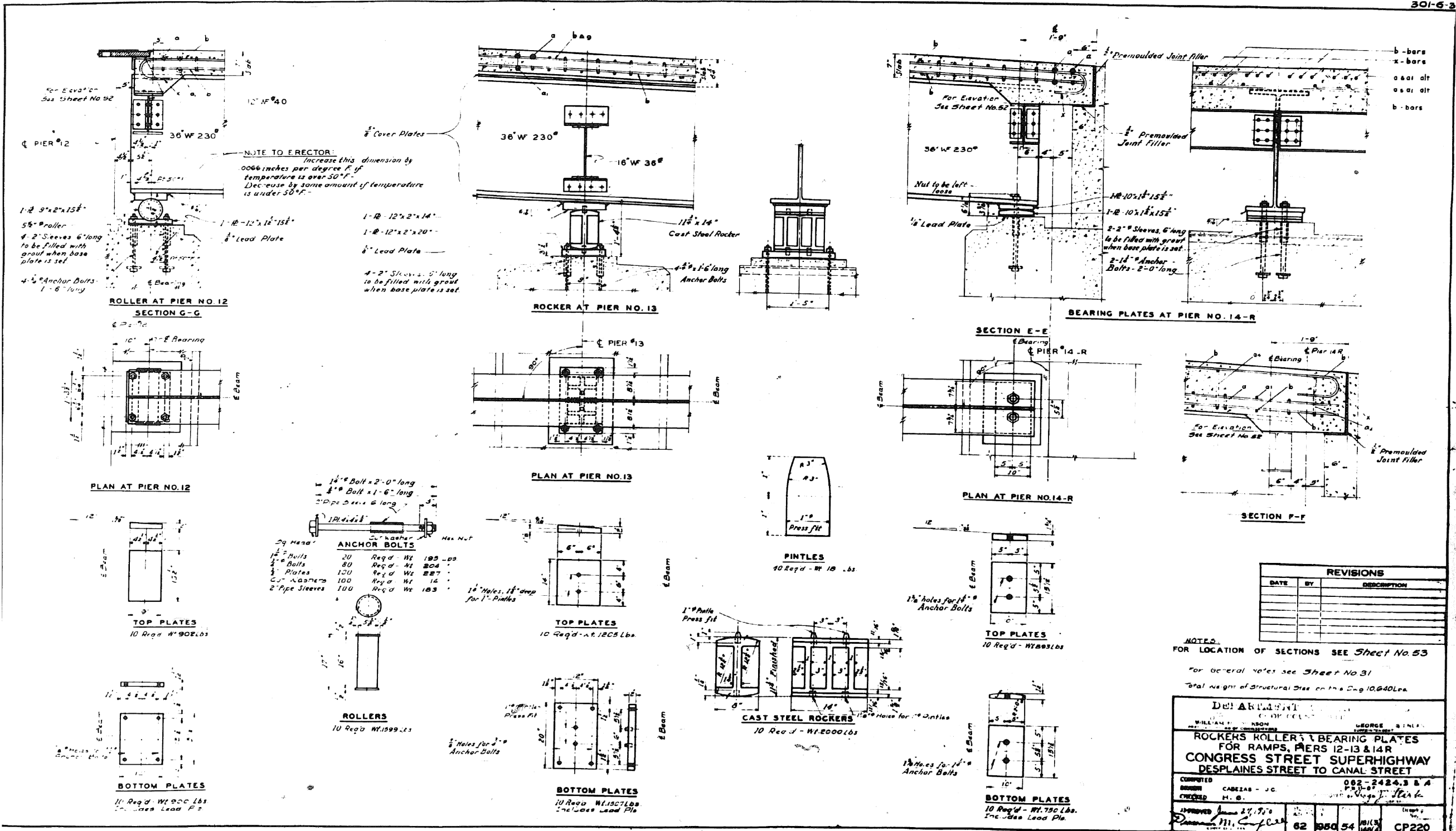
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	475
				CONTRACT NO. 60X78

ILLINOIS FED. AID PROJECT

0160461-60X78-5198-EXT.dgn

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5199-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

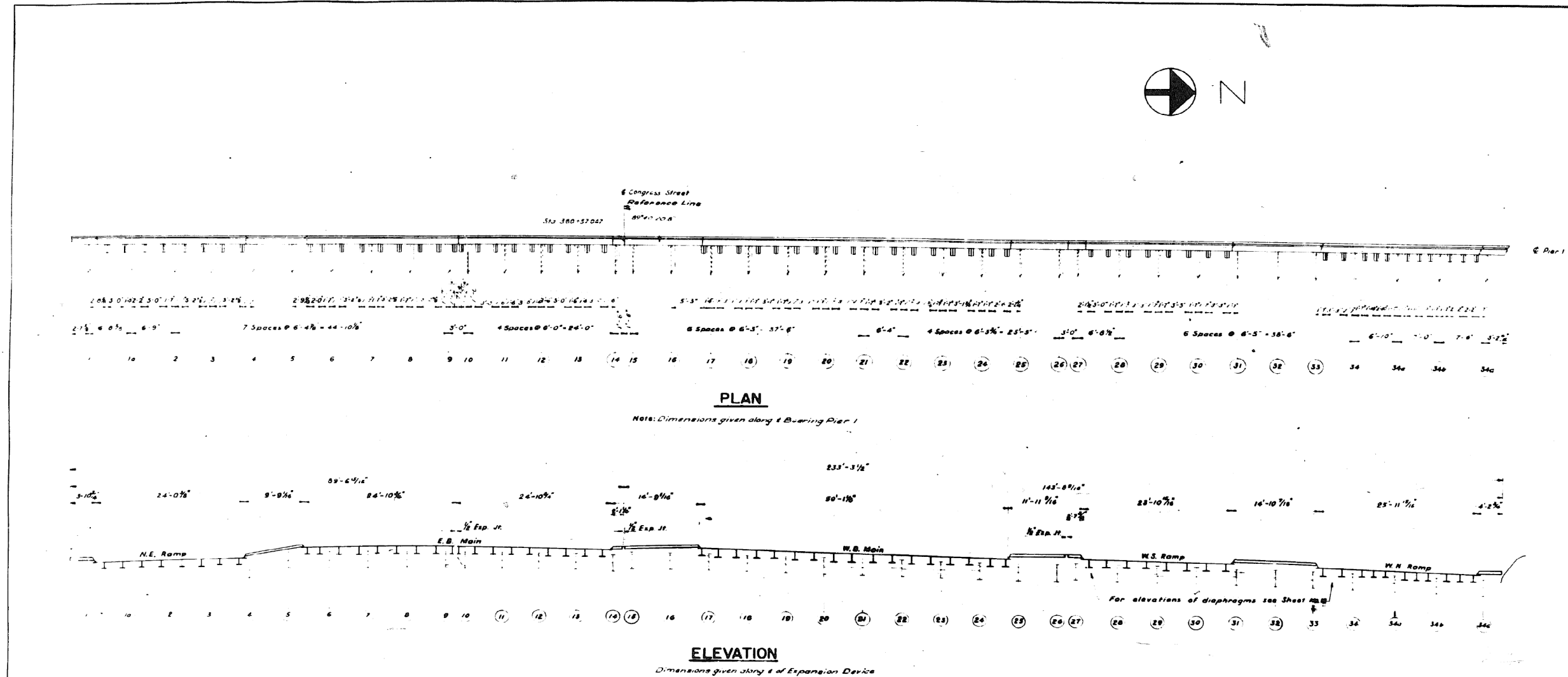
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	476
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



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

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. SHANKSON
GEORGE A. SHANLAN

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

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

APPROVED: [Signature] DATE: 6/23/16
DESIGNED: [Signature] DATE: 6/23/16

62 1950 55 148 CP 425

0160461-60X78-5200-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

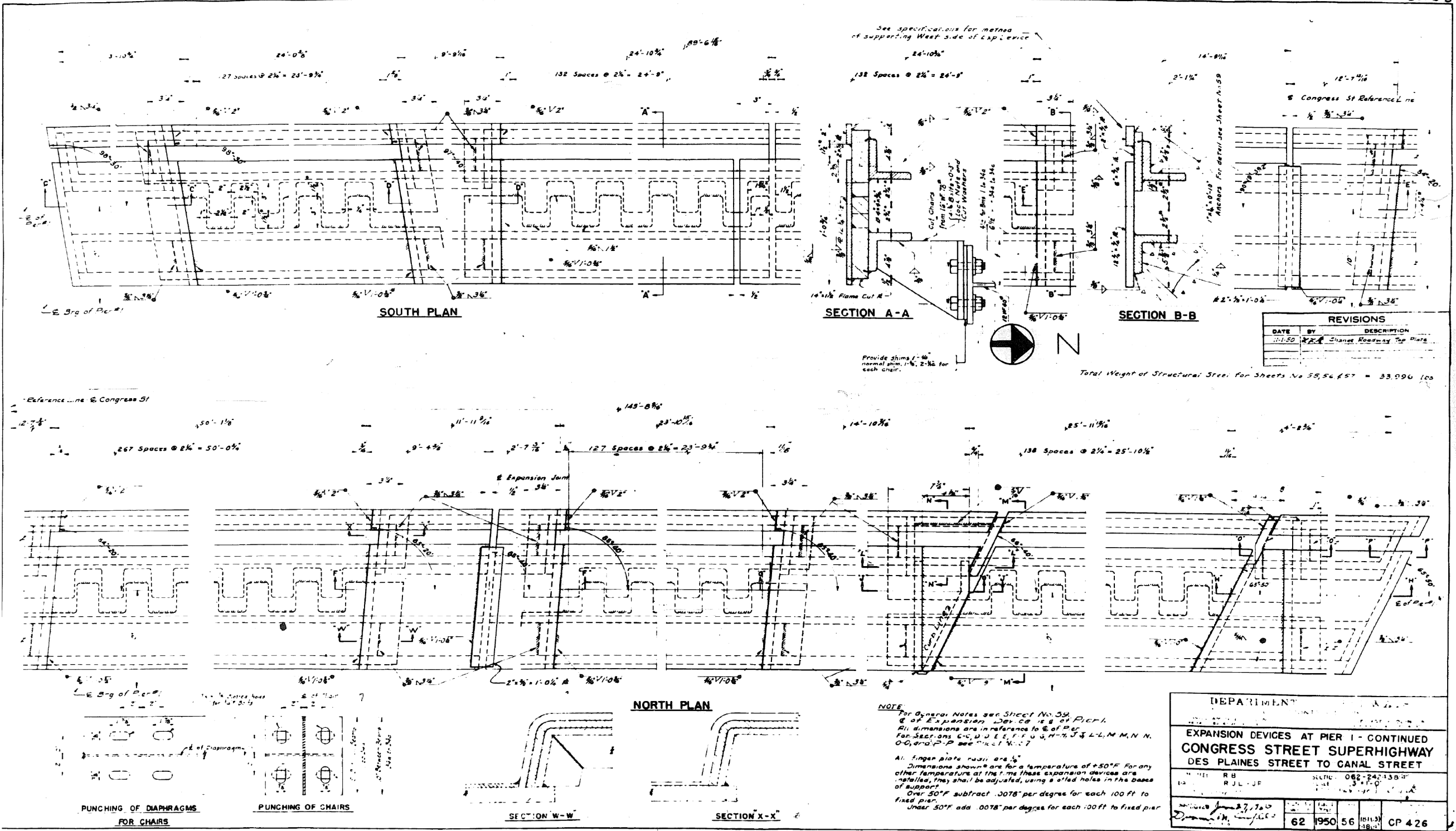
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	477
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5201-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

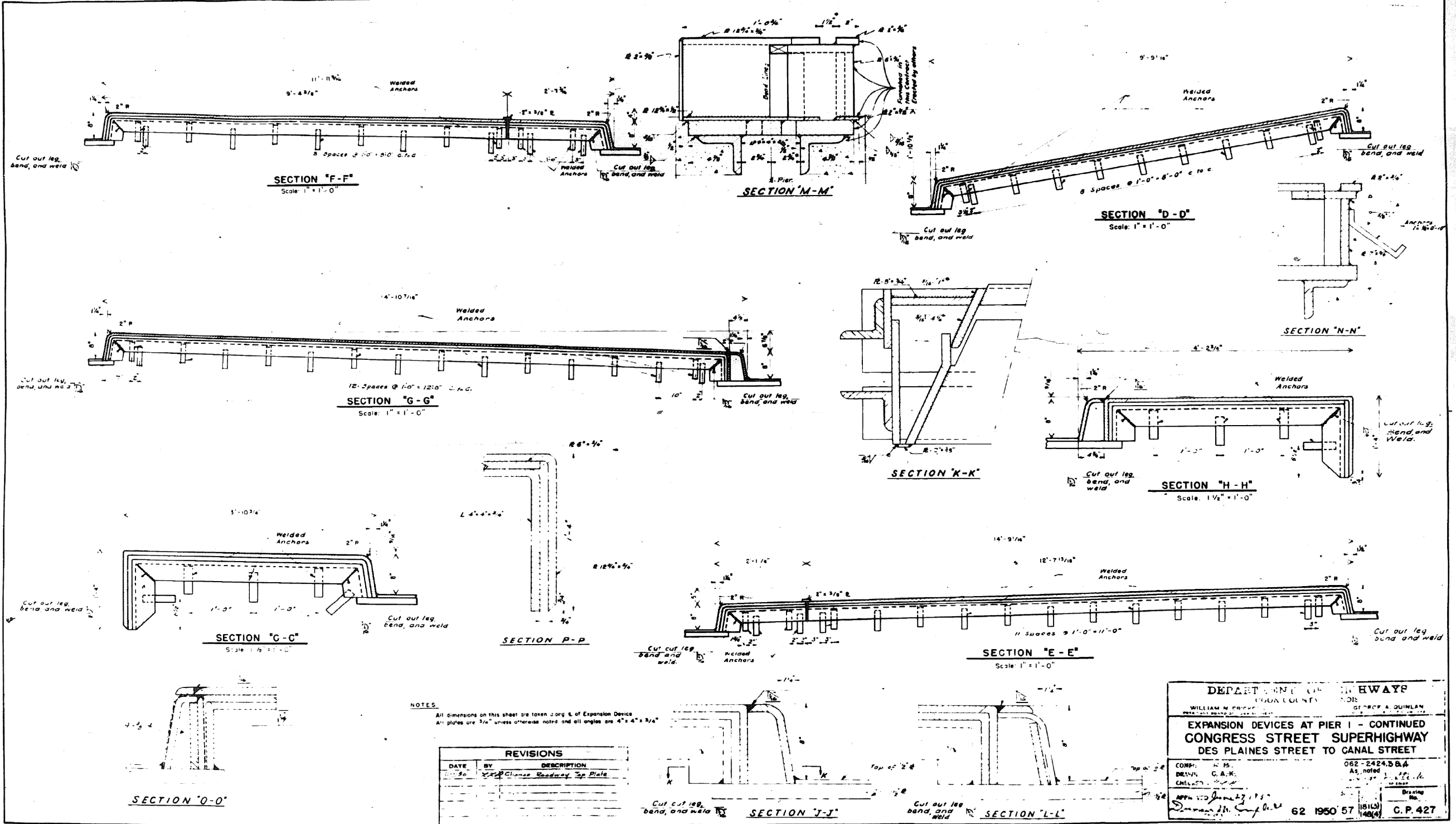
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	478
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



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

REVISIONS		
DATE	BY	DESCRIPTION
11/30	W.C. Chase	Change Roadway Top Plate

DEPARTMENT OF HIGHWAYS
 COOK COUNTY, ILLINOIS
 WILLIAM M. PRITCHETT, CHIEF ENGINEER
 GEORGE A. QUIMLAN, COUNTY ENGINEER

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

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

0160461-60X78-5202-EXT.dgn

PARSONS BRINCKERHOFF

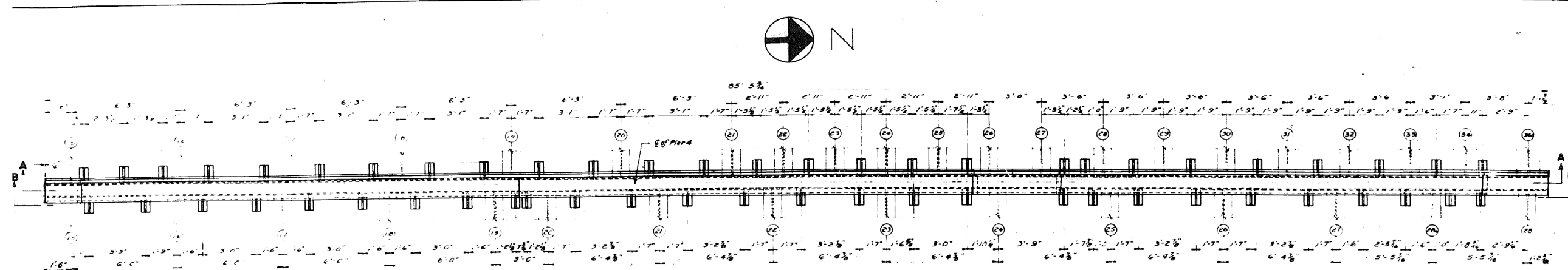
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

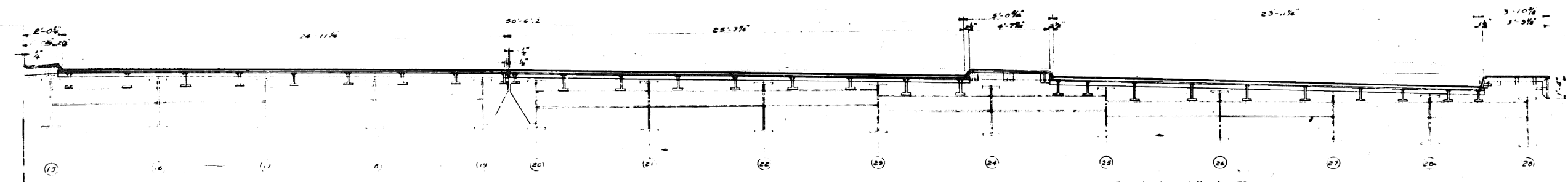
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	479
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



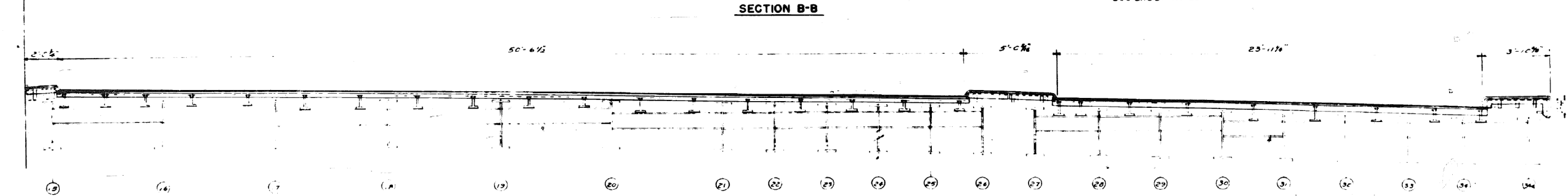
PLAN
NORTH PORTION
FOR SOUTH PORTION CHAIR SPACING SEE SHEET NO. 60

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



SECTION B-B

For elevations of Diaphragms
see Sheet No. 33



SECTION A-A

For elevations of Diaphragms
see Sheet No. 21

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. ERICKSON PRESIDENT, BOARD OF SUPERVISORS	GEORGE A. QUINLAN COMMISSIONER
EXPANSION DEVICES AT PIER 4 CONGRESS STREET SUPERHIGHWAY DESPLAINES ST. TO CANAL ST.	
COMPUTED: L.L.R. R.B.	SECTION: 062-24243 B-4
DRAWN: A.B. KIM - R.W.	DATE: 3/23/2016
CHECKED: J.G.	BY: J.G.
APPROVED: June 24, 2016 James J. C. [Signature]	Ad. Total Sheet Total No. of Sheets (181) 62 1950.58 148.4
	Drawn No. CP 223

0160461-60X78-5203-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

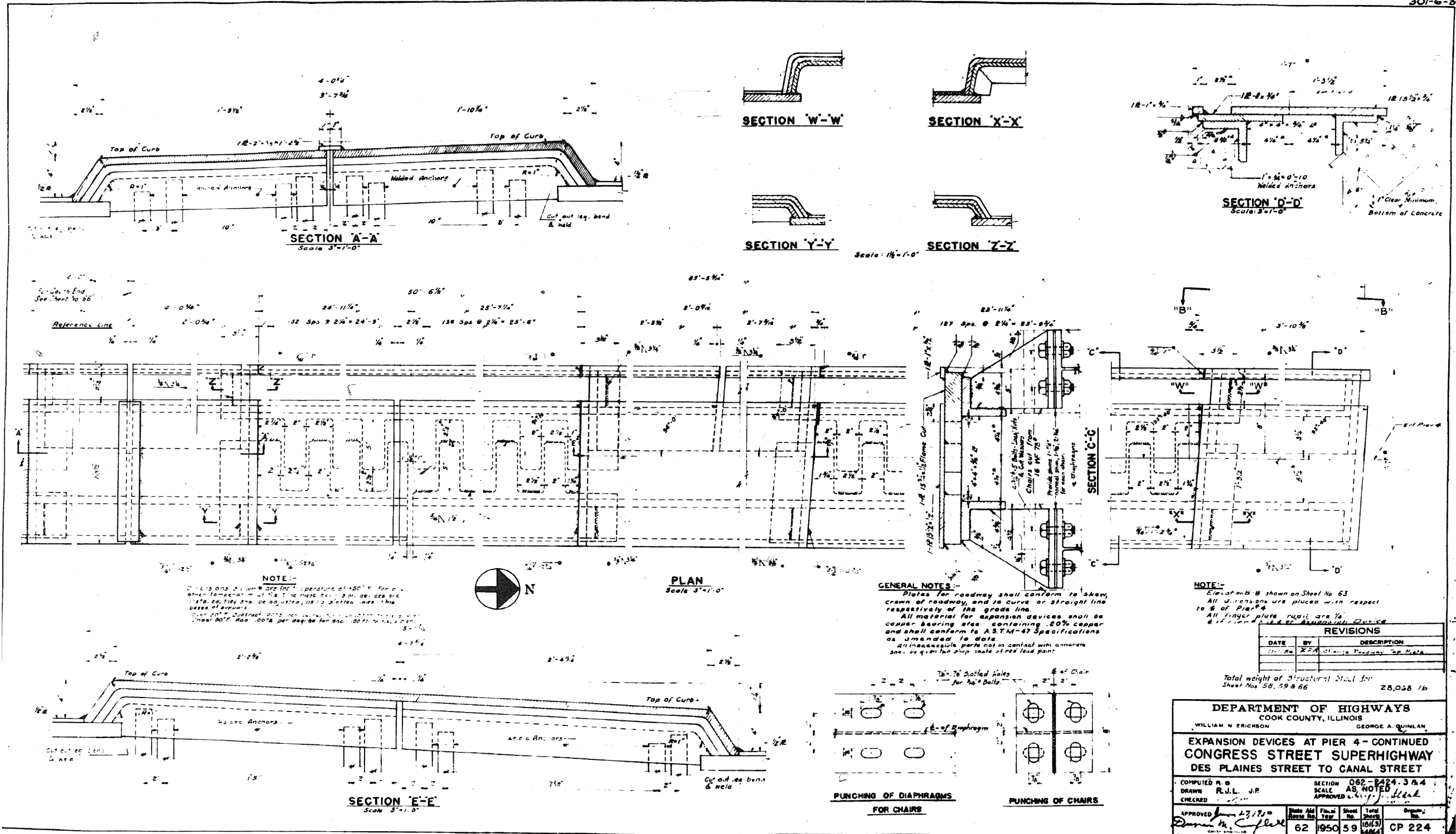
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	480
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2



0160461-60X78-5204-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

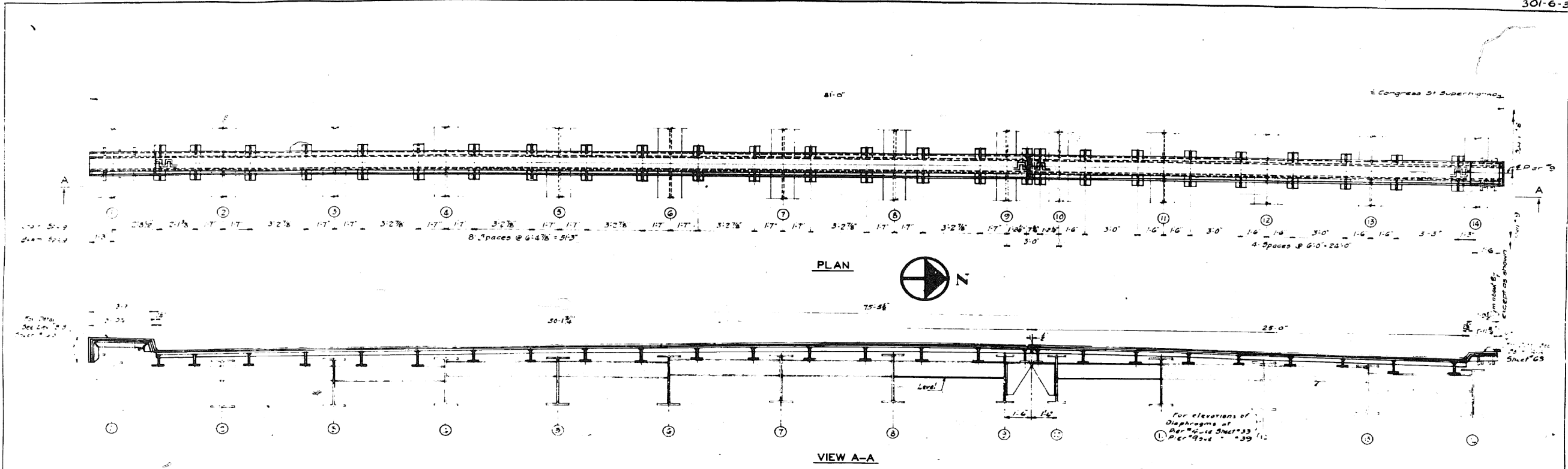
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	481
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



DEPARTMENT OF HIGHWAYS	
WILLIAM F. ... A. QUINLAN	
EXPANSION DEVICES AT PIER 9	
CONGRESS STREET SUPERHIGHWAY DESPLAINES STREET TO CANAL STREET	
COMPUTED E. L. ... DRAWN W. N. ... CHECKED R. N. ...	082-2424.3 & 4 100 100
APPROVED <i>[Signature]</i> <i>[Signature]</i>	62 1850 60 100(3) 100(1) CP225

REVISIONS		
DATE	BY	DESCRIPTION

0160461-60X78-5205-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

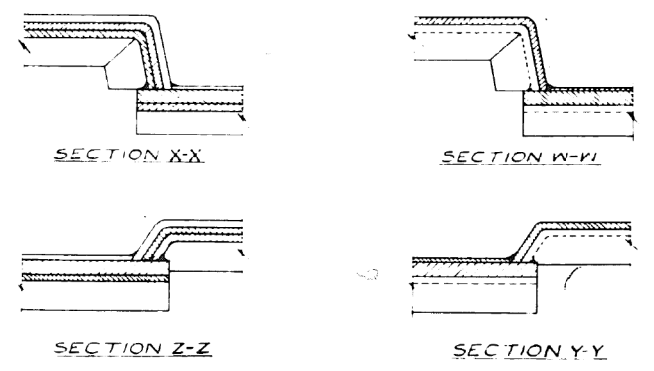
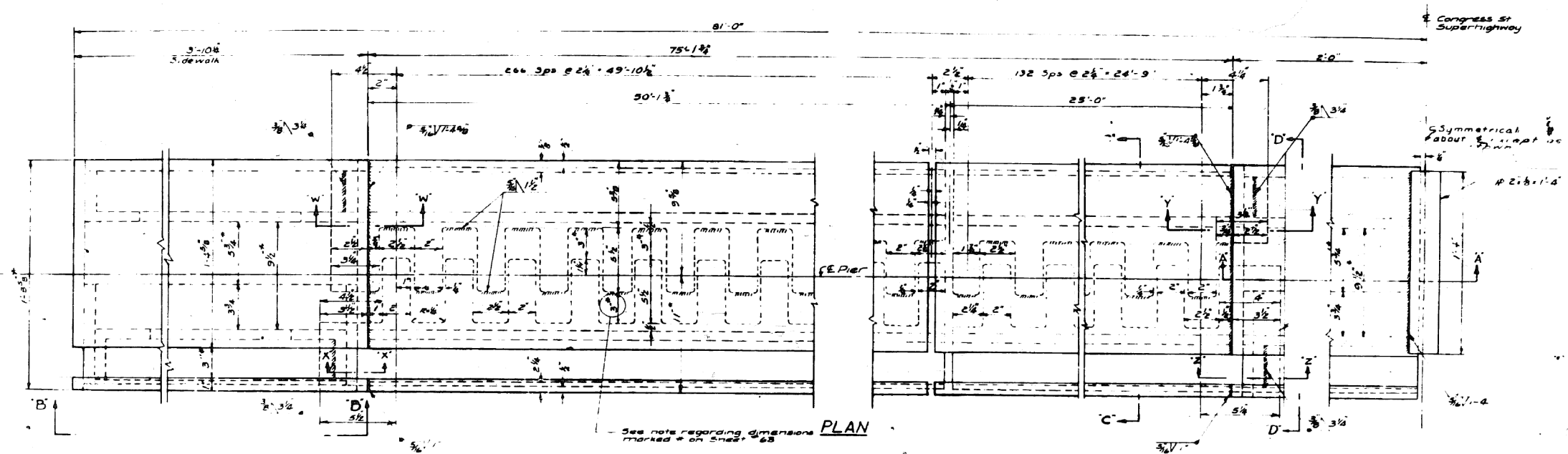
**EXISTING PLANS
STRUCTURE NO. 016-0461**

SHEET NO. 60 OF 194 SHEETS

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	482
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

3016



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

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

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

GEORGE A. QUINLAN
STATE OF COOK COUNTY

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

SECTION 062-2424.3 & 4
SCALE 1/4" = 1'-0"

COMPUTED BY R.J.L.
DRAWN BY R.J.L.
CHECKED BY R.J.L.
APPROVED BY [Signature]

State Aid No. 62 Fiscal Year 1950 Sheet No. 61 of 61
Total Cost (R.F.D.) 148/0
Dist. No. C.P. 226

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

0160461-60X78-5206-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

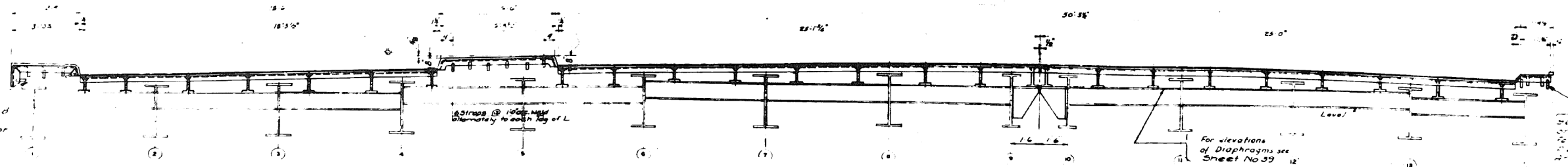
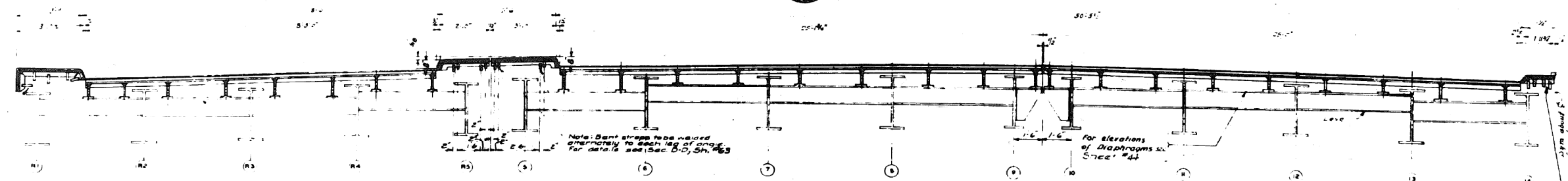
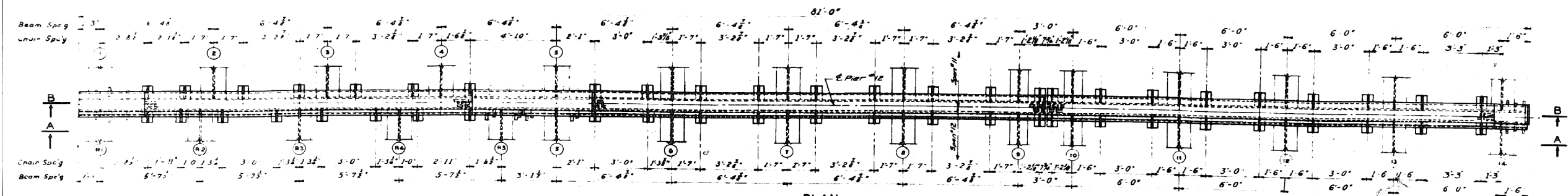
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 61 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	483
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM N. ERICSSON
GEORGE A. JUMBLAN

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

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

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

APPROVED [Signature] 3/7/16
[Signature]

Sheet No.	62
Total Sheets	181 (179)
Contract No.	CP228

0160461-60X78-5207-EXT.dgn

**PARSONS
BRINCKERHOFF**

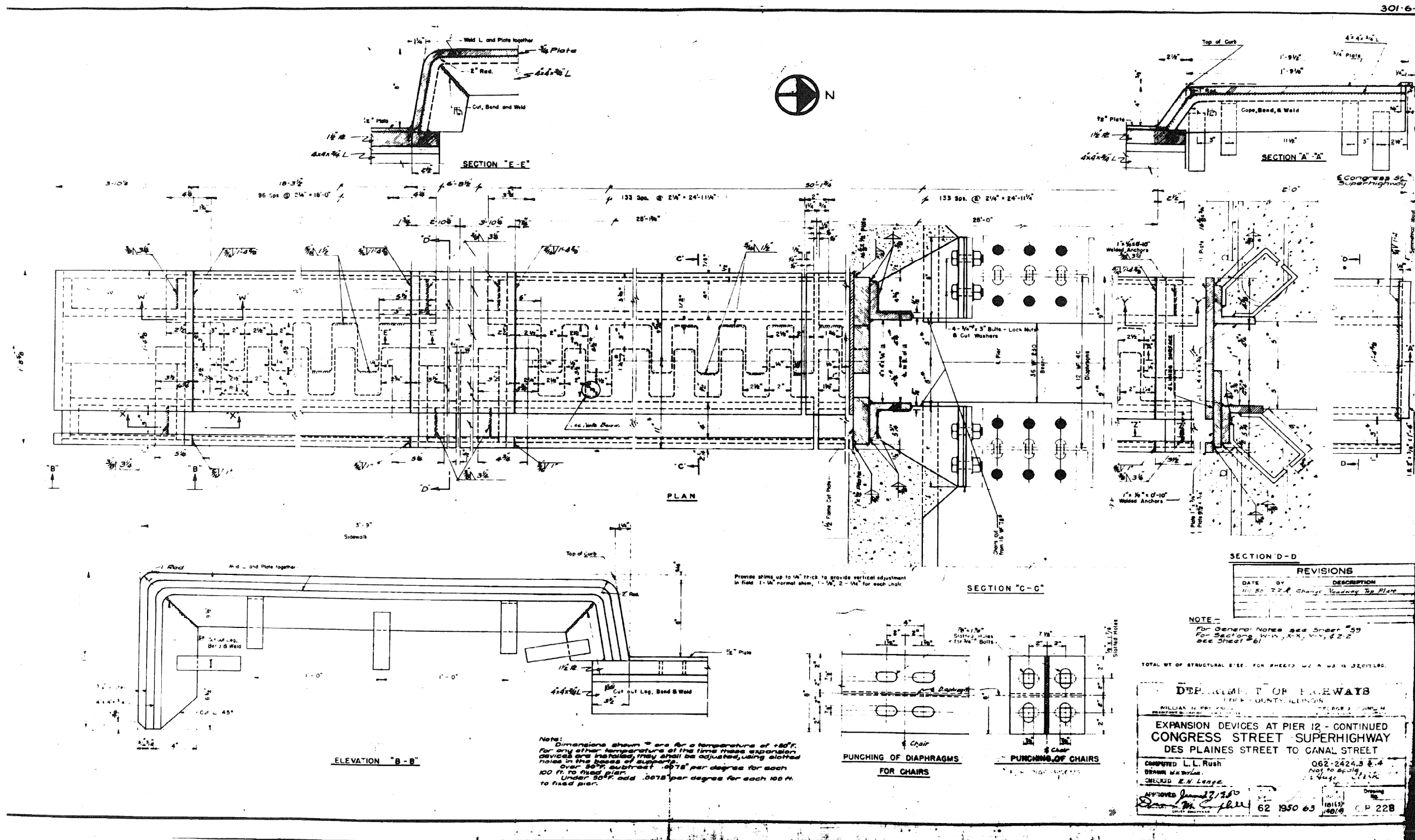
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PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

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	2014-004 R&B (WB)	COOK	706	484
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



0160461-60X78-5208-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

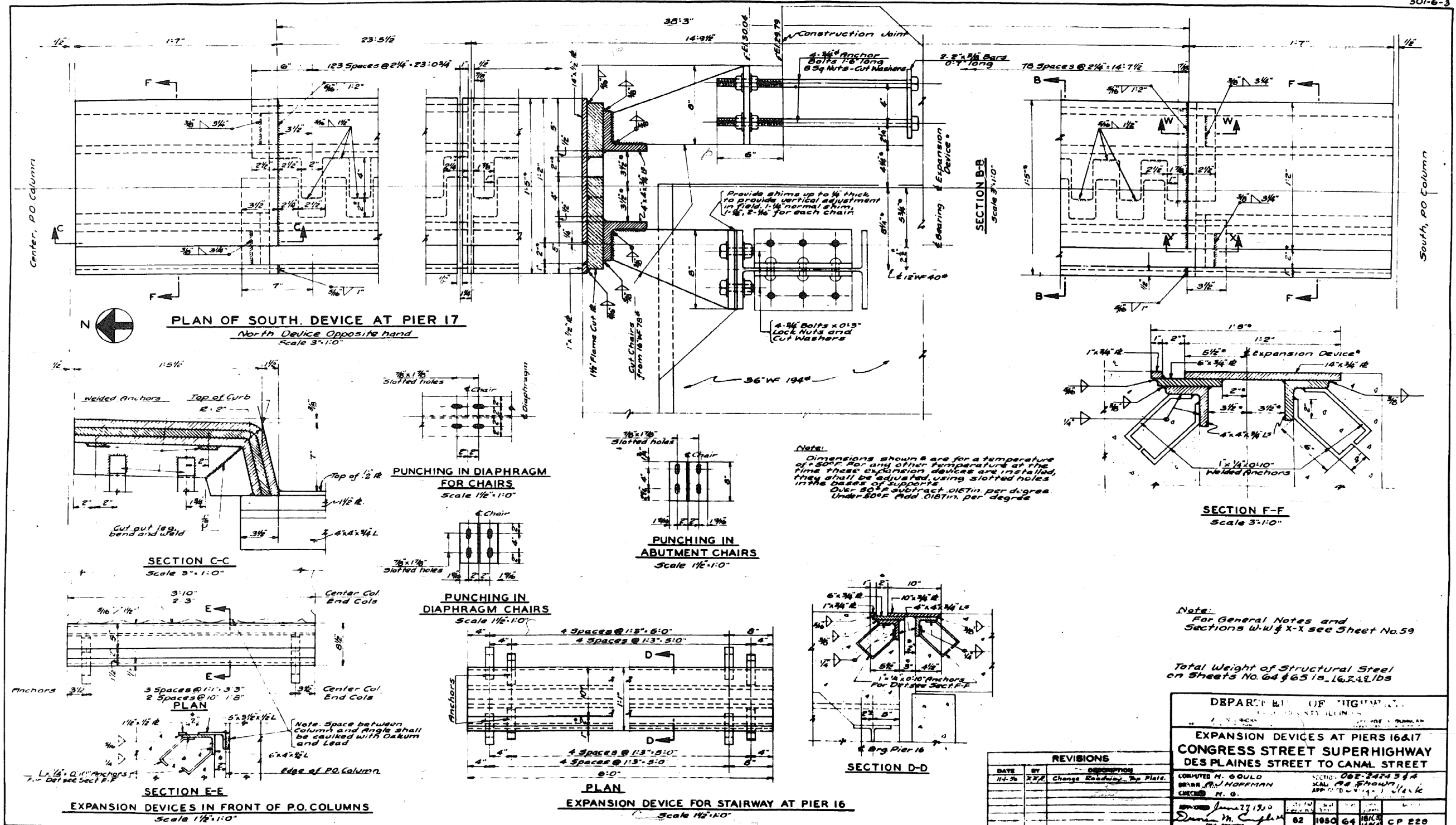
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 63 OF 194 SHEETS

F.A.I. R.T.E. 90/94/290	SECTION 2014-004 R&B (WB)	COUNTY COOK	TOTAL SHEETS 706	SHEET NO. 485
				CONTRACT NO. 60X78
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5209-EXT.dgn

PARSONS BRINCKERHOFF

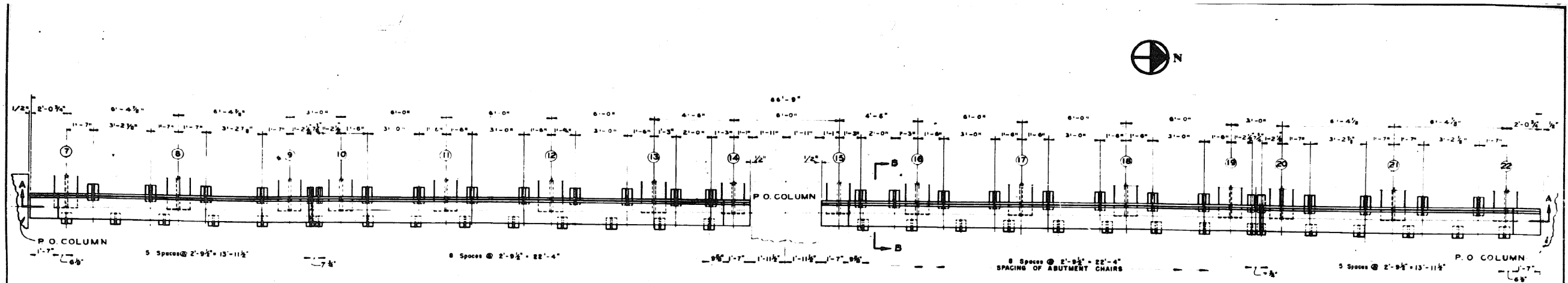
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 64 OF 194 SHEETS

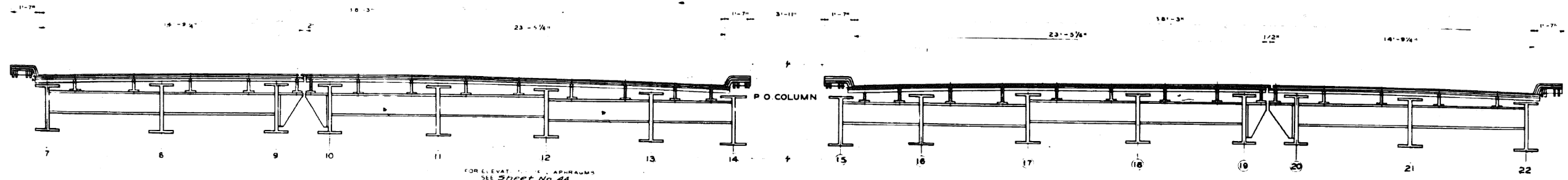
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	486
				CONTRACT NO. 60X78
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



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

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



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

END POST OFFICE COLUMNS NOT SHOWN
IN THIS VIEW

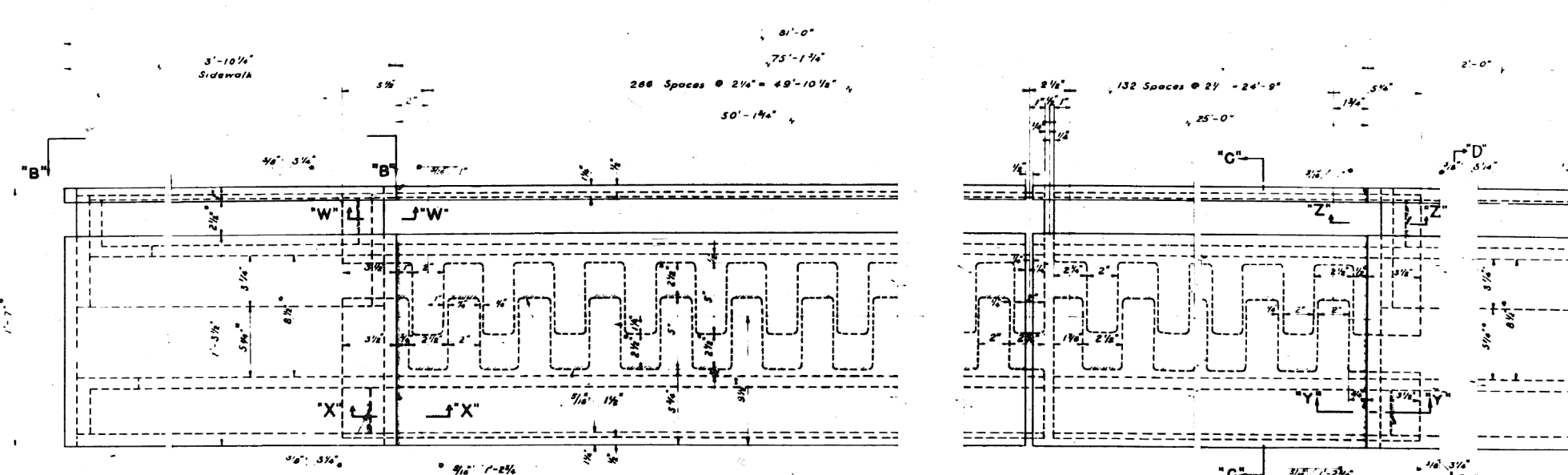
DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS	
WILLIAM N. TRICKSON ILLINOIS STATE ENGINEER	
EXPANSION DEVICE AT PIER 17 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET	
DESIGNED BY H. GOULD	982-2424.344 AS SHOWN H. G.
CHECKED BY M. J. Campbell	10/13/14 146(1)
DATE 62	950 65
CP230	

REVISIONS	
DATE	DESCRIPTION

0160461-60X78-5210-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 deflection tables in the basis of support.
Over 50°F Subtract .0078 per degree for each 100ft to 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 59
FOR PUNCHING OF DIAPHRAGMS AND CHAIRS SEE SHEET NO 59
ALL FINGER PLATE RADII ARE 1/4"
E OF EXPANSION DEVICES E OF PIER NO 4

REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS					
WILLIAM M. ERICK PRESIDENT		GEORGE A. QUINLAN COMMISSIONER			
EXPANSION DEVICES AT PIER 4 - CONTINUED CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET					
COMPUTED BY	R. B.	SECTION	082-24843 & 4		
DRAWN BY	R.J.L., J.P.	SCALE	3/4" = 1'-0"		
CHECKED	[Signature]	APPROVED	[Signature]		
APPROVED	[Signature]	State Aid	62	Fiscal Year	1950
		Sheet No.	66	Total Sheets	194
		Drawing No.	C P 465		

0160461-60X78-5211-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

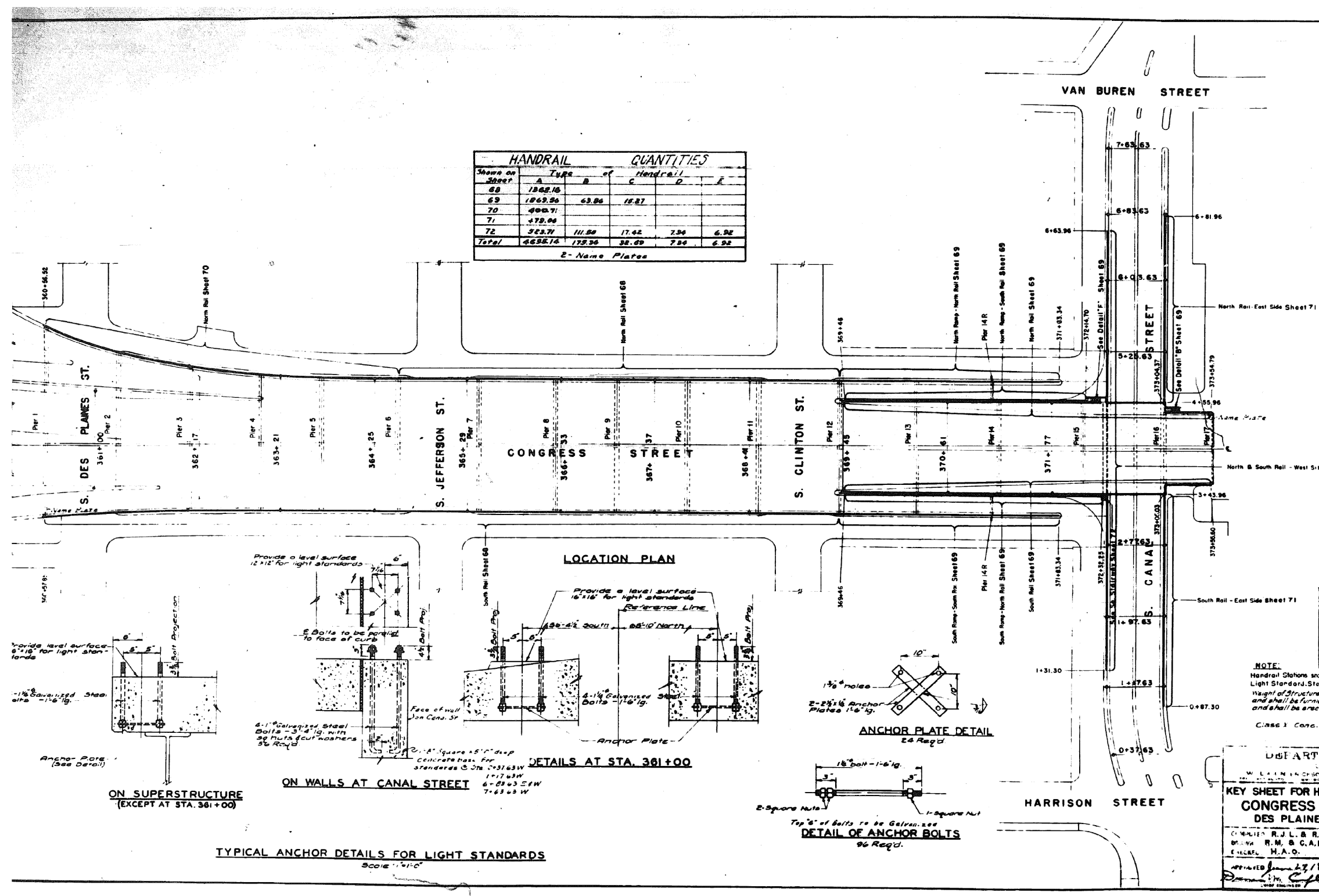
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	488
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

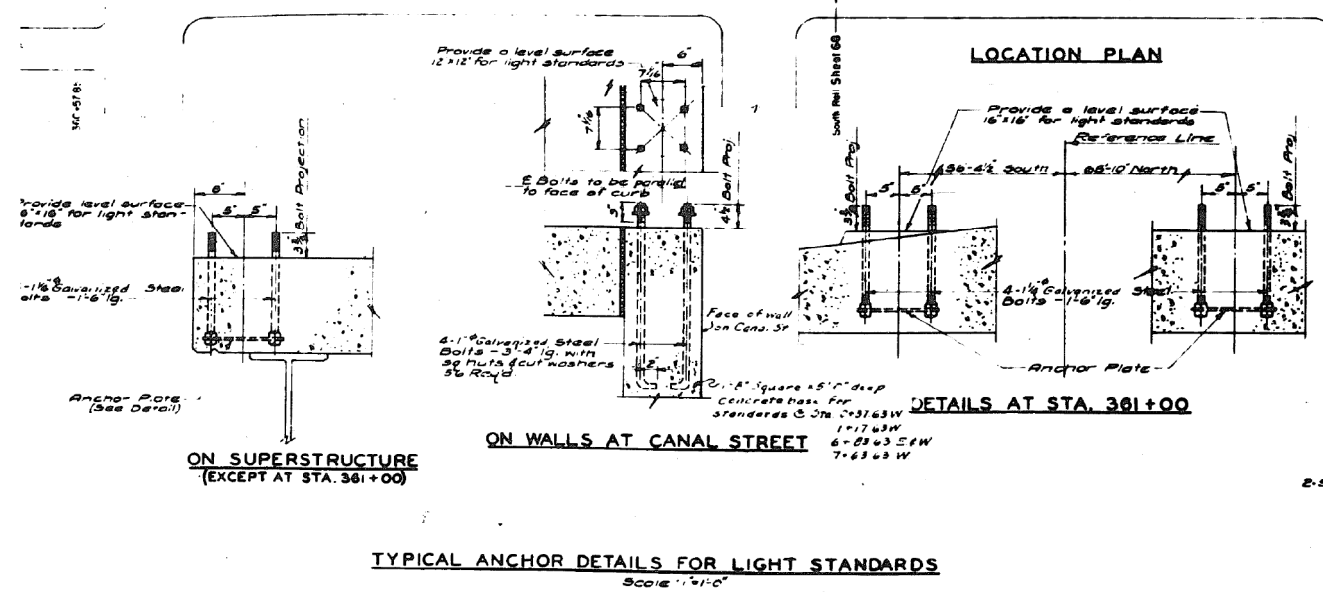
FOR INFORMATION ONLY

3016-3

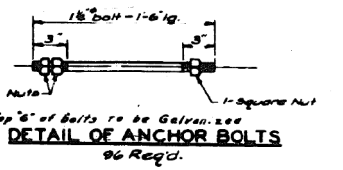
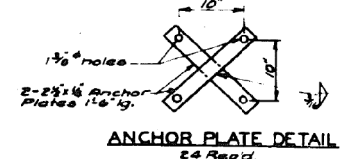


Shown on Sheet	HANDRAIL QUANTITIES				
	Type A	Type B	Type C	Type D	Type E
68	1368.16				
69	1869.96	63.96	18.87		
70	498.71				
71	478.00				
72	523.71	11.88	17.42	7.36	6.92
Total	4638.16	175.36	38.89	7.84	6.92

Z-Name Plates



LOCATION PLAN



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

NOTE:
Handrail Stations shown are E of End Posts.
Light Standard Stations are E of Standard.
Weight of Structure Steel on this Sheet and Sheet 73 is 1533 Lbs and shall be furnished by the Contractor for Sect on 2424.4 and shall be erected by the Contractor for Section 2424.3.
Class 1 Conc. for light standard bases = 2.5 cu yd.

DEPARTMENT OF HIGHWAYS
ILLINOIS

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

DESIGNED BY: R.J.L. & R.K.
CHECKED BY: R.M. & C.A.K.
SCALE: 1" = 80'-0"

DATE: 06-28-03
PROJECT: 62-1950-67
SHEET: 67 OF 194
CONTRACT: C.P. 441

0160461-60X78-5212-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

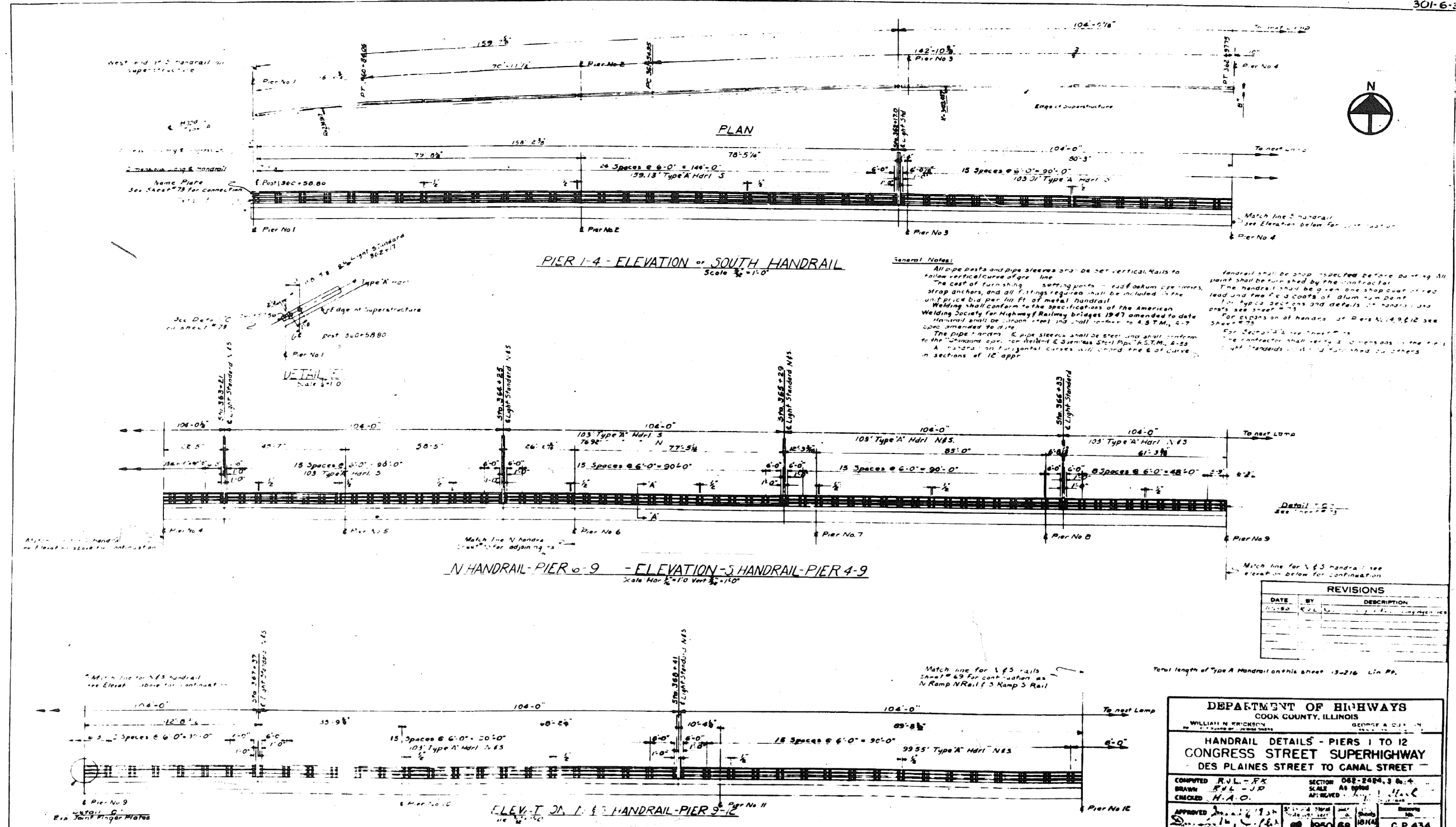
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	489
CONTRACT NO. 60X78			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5213-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

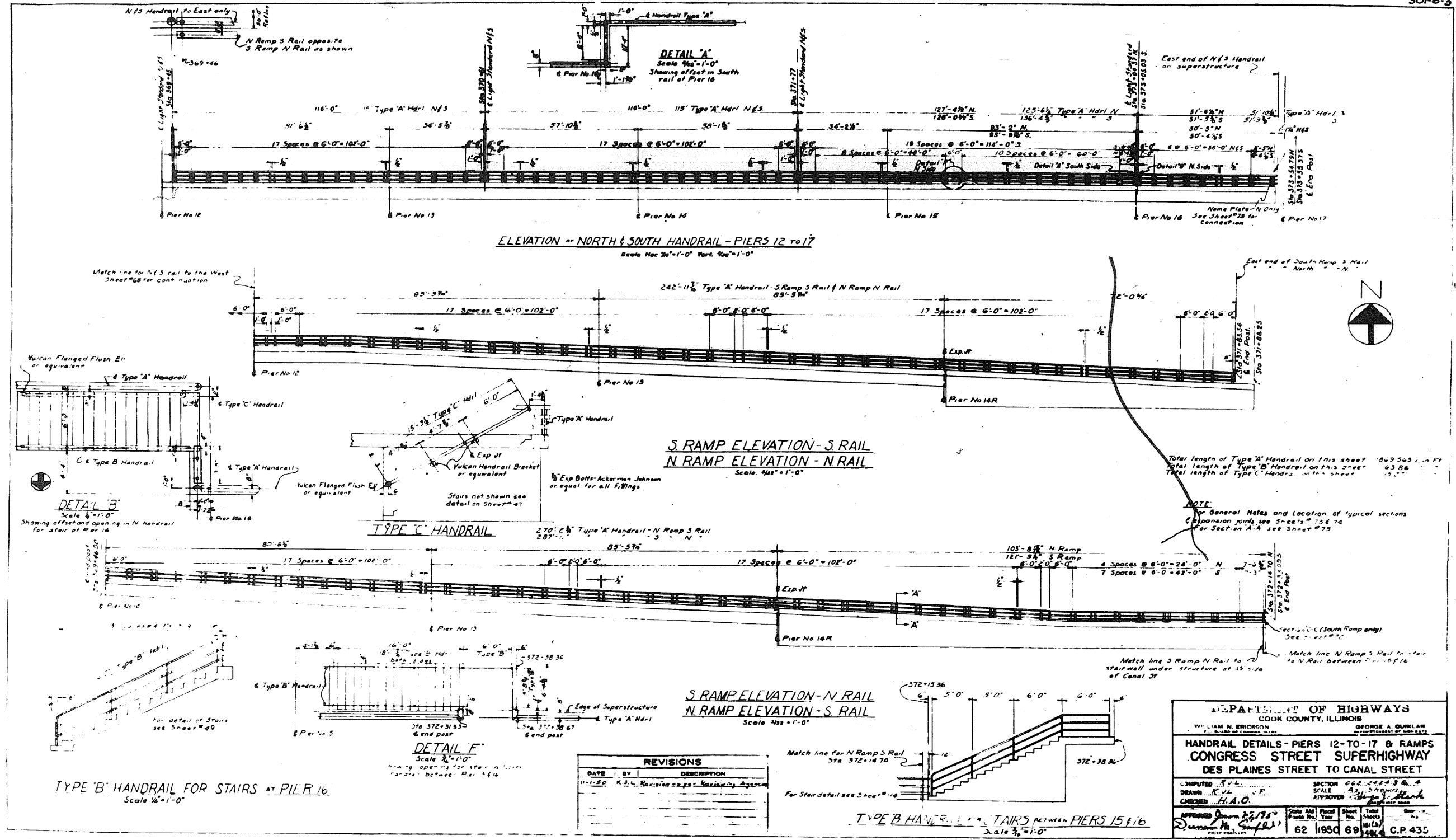
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	490
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60X78	

FOR INFORMATION ONLY

301-6-3



0160461-60X78-5214-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

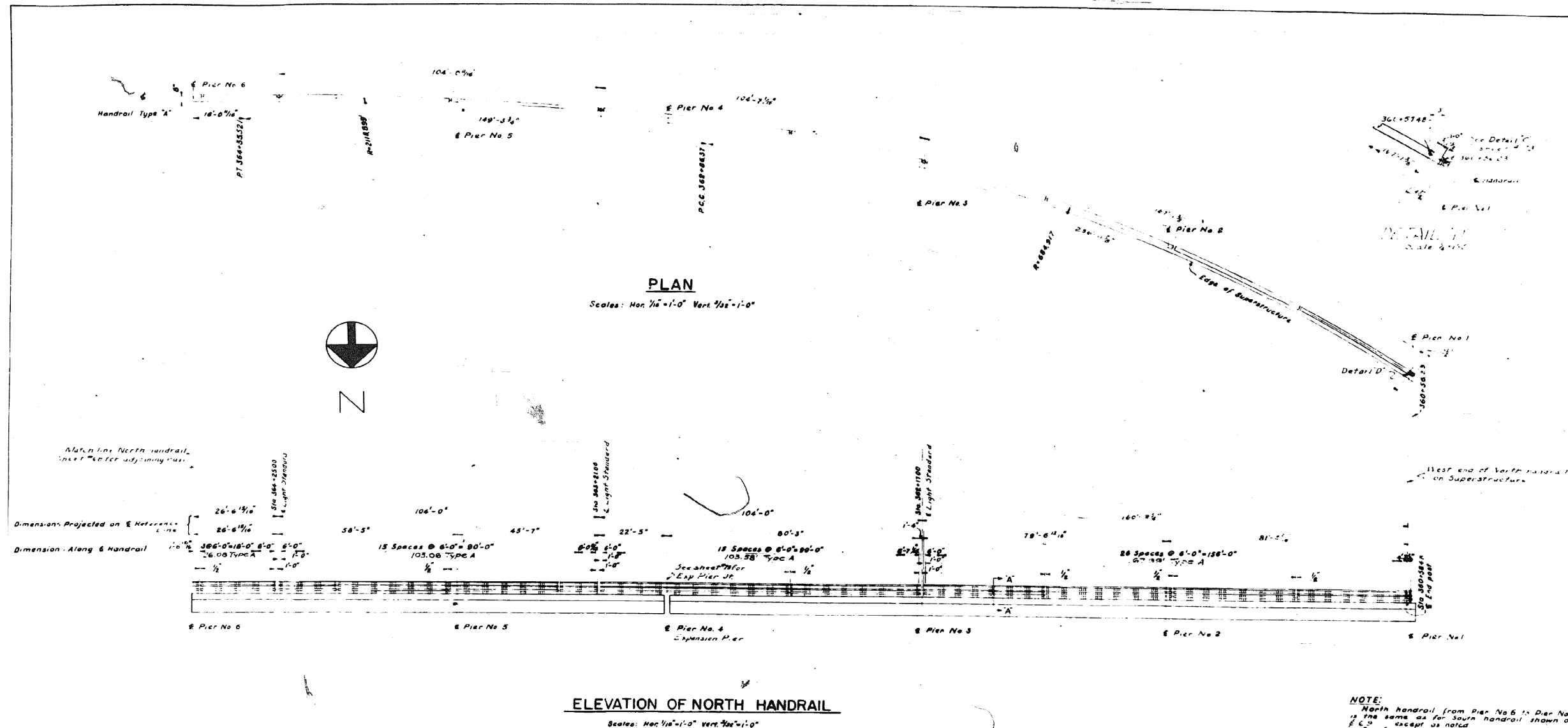
EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 69 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	491
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-E-3



NOTE:
North handrail from Pier No 6 to Pier No 1 and Ramps is the same as for South handrail shown on sheet 301-E-4 except as noted. For General Notes see Sheet 301-E-1. For typical sections and expansion joints see Sheet 301-E-2. For Section A-A see Sheet 301-E-3.
Total length of Type A Handrail on this sheet 4007' Lin Ft

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.	SECTION	662-2424-3 & 4
DRAWN	R. J. L. J. P.	DATE	As Shown
CHECKED	A. J. O.	SCALE	As Shown
APPROVED	<i>[Signature]</i>	ROUTE NO.	62
		YEAR	1950
		POST MILE	70
		CONTRACT NO.	CP 436

REVISIONS		
DATE	BY	DESCRIPTION
11-20-50	R. J. L.	Revised as per Contracting Agency

0160461-60X78-5215-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

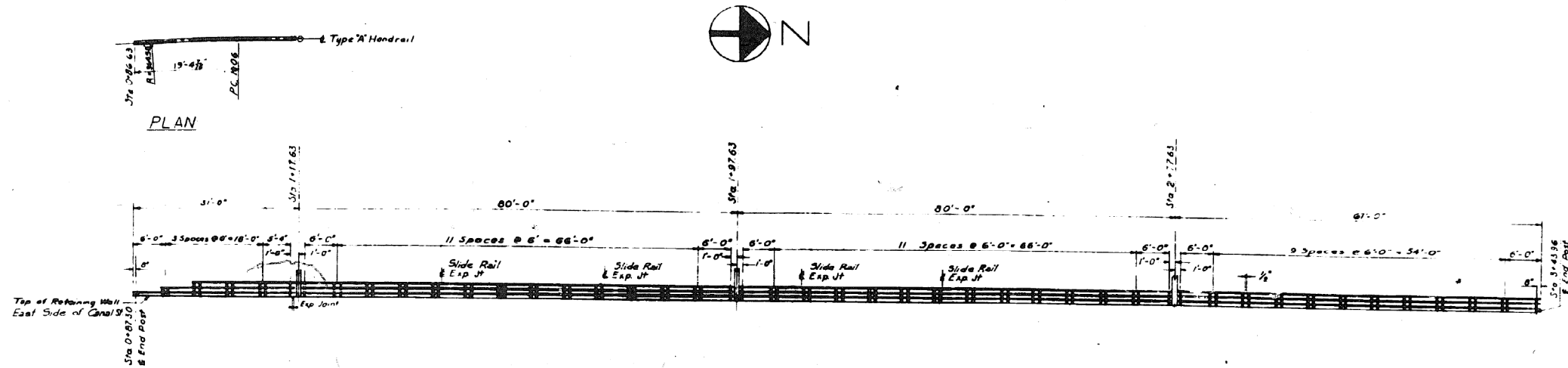
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 70 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	492
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

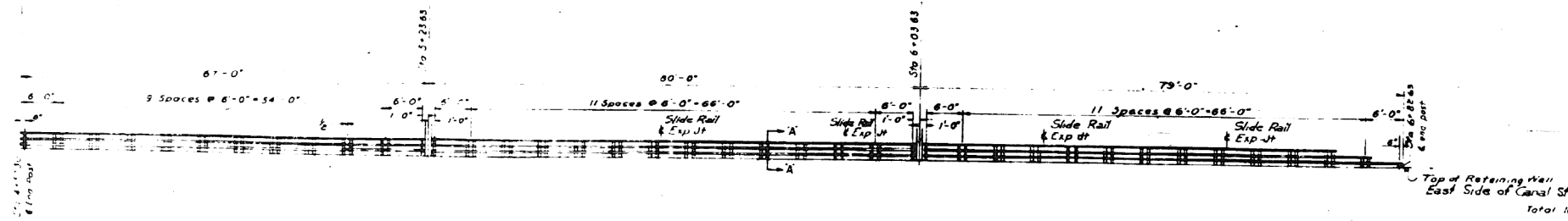
FOR INFORMATION ONLY

301-6-1



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

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



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

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

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

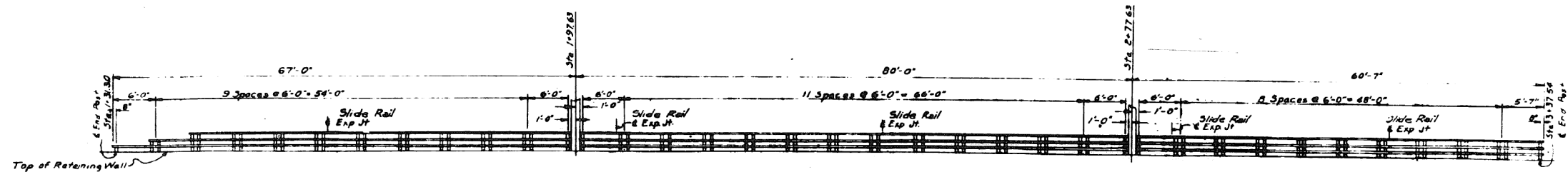
DATE: 4-10-10
SCALE: AS SHOWN
PROJECT NO: 62 490 71
CONTRACT NO: CR 439

REVISIONS		
DATE	BY	DESCRIPTION

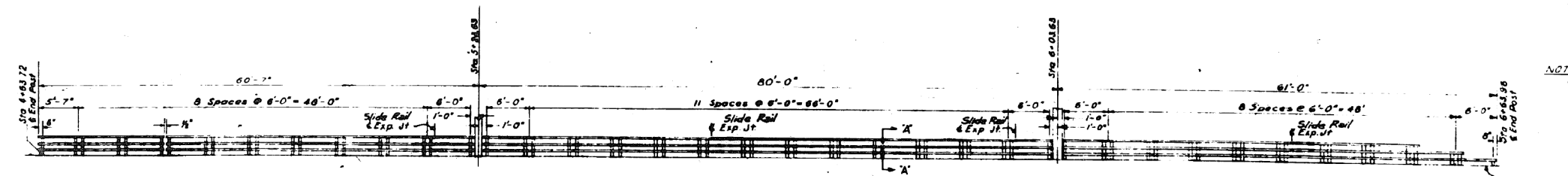
D:\60461-60X78-5216-EXT.dgn

FOR INFORMATION ONLY

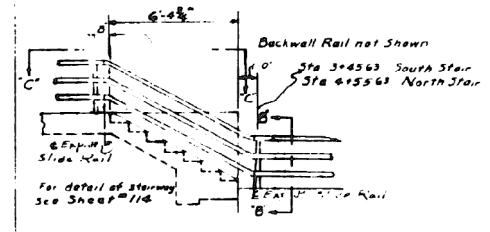
30-6-3



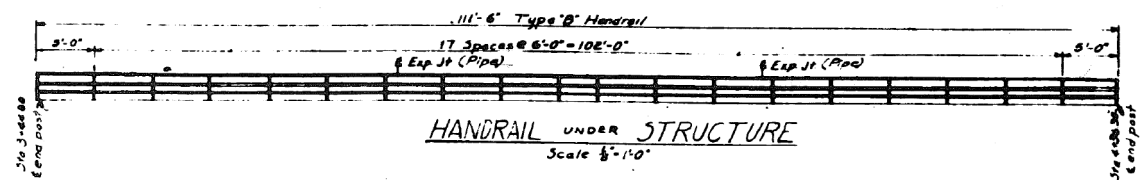
ELEVATION-SOUTH HANDRAIL-WEST SIDE
Scale 1/8"=1'-0"



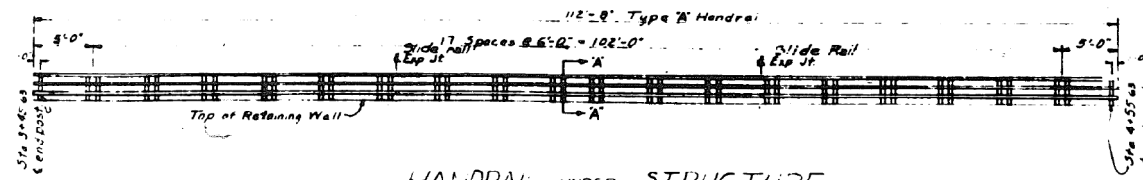
ELEVATION-NORTH HANDRAIL-WEST SIDE
Scale 1/8"=1'-0"



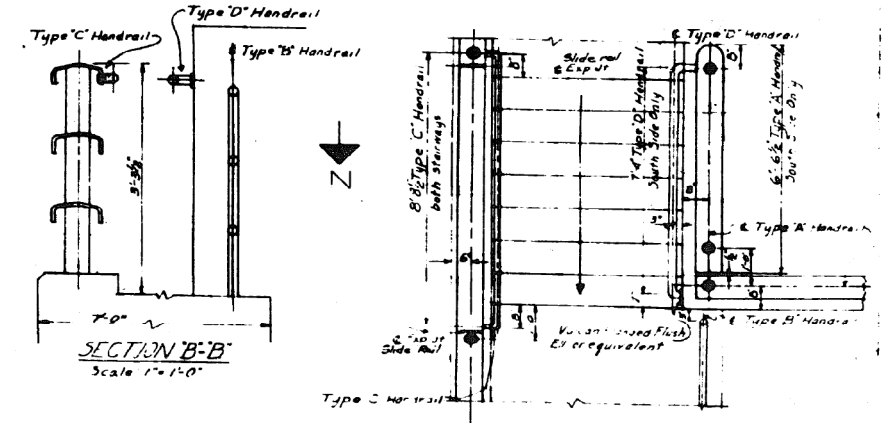
SOUTH STAIRWAY
North Stairway Opposite Hand
Scale 1/4"=1'-0"



HANDRAIL UNDER STRUCTURE
Scale 1/8"=1'-0"



HANDRAIL UNDER STRUCTURE
Scale 1/8"=1'-0"



SECTION B-B
Scale 1/4"=1'-0"

SECTION C-C-SOUTH STAIR
Scale 1/4"=1'-0"

NOTE
For General Notes see Sheet #68.
For typical sections and expansion joints see Sheets #78 & 79.
For Section A-A see Sheet #73.
For details of Retaining Walls on West Side see Sheets #122, 139 & 140.

REVISIONS		
DATE	BY	DESCRIPTION

Total length of Type 'A' Handrail on this sheet 523.708 Lin Ft
Total length of Type 'B' Handrail on this sheet 111.50 " "
Total length of Type 'C' Handrail on this sheet 17.42 " "
Total length of Type 'D' Handrail on this sheet 7.34 " "
Total length of Type 'E' Handrail on this sheet 6.92 " "

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

GEORGE A. QUINLAN
CHIEF ENGINEER

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

COMPUTED BY R.J.L. SECTION 042-2424.3.04.4
DRAWN BY R.J.L. J.P. SCALE 1/8"=1'-0"
CHECKED BY J.A.O. APPROVED BY J.P. J.P.

APPROVED BY J.P. J.P. DATE 3/23/2016
SHEET NO. 72 OF 194 SHEETS
ROUTE NO. 62 YEAR 1950 72
TOTAL SHEETS 194 (13)
DRAWN BY J.P. J.P. CP 440

0160461-60X78-5217-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

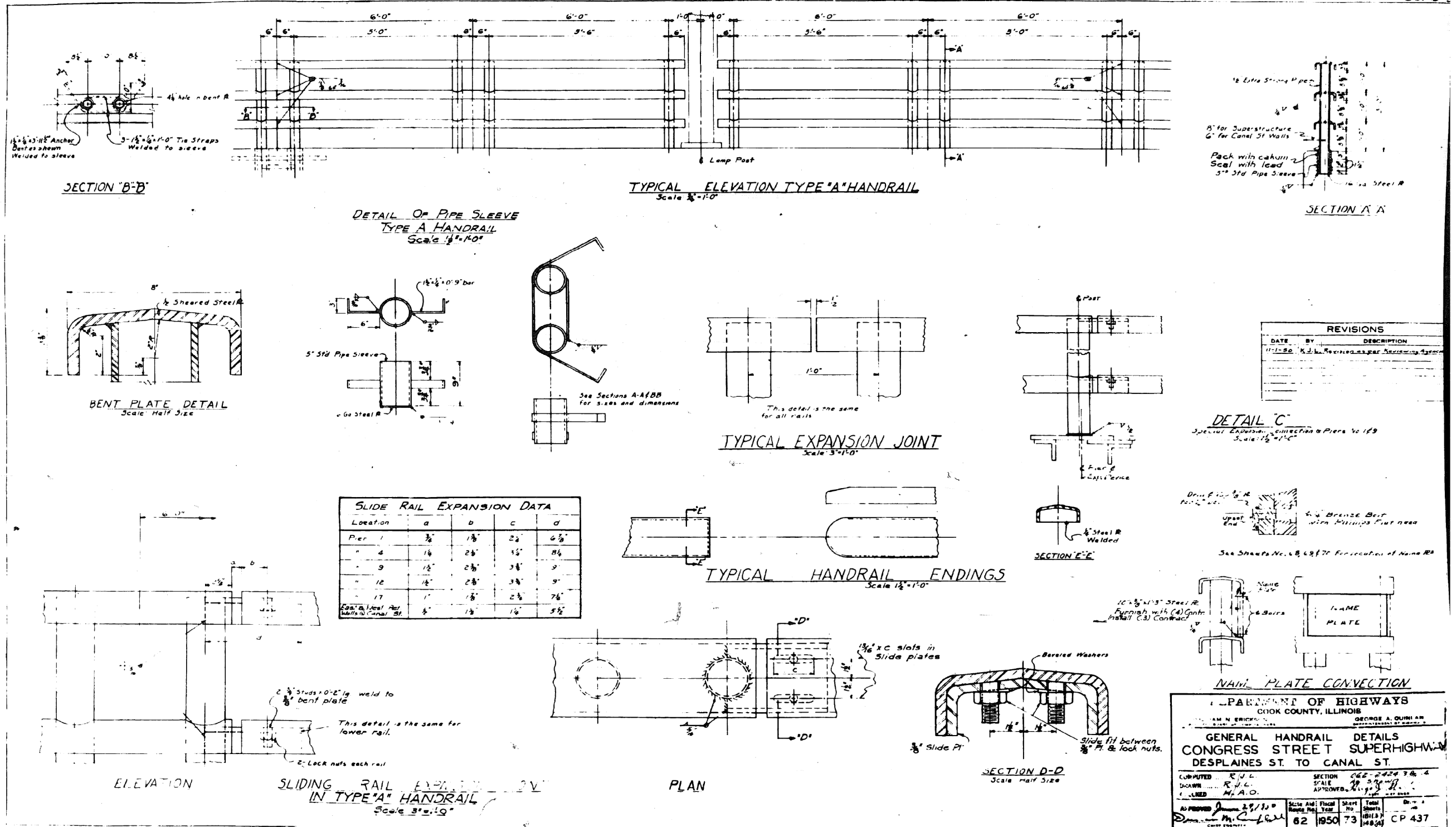
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING PLANS
STRUCTURE NO. 016-0461**
SHEET NO. 72 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	494
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-2



0160461-60X78-5218-EXT.dgn

**PARSONS
BRINCKERHOFF**

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

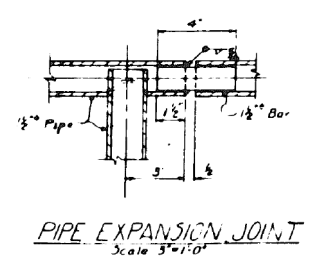
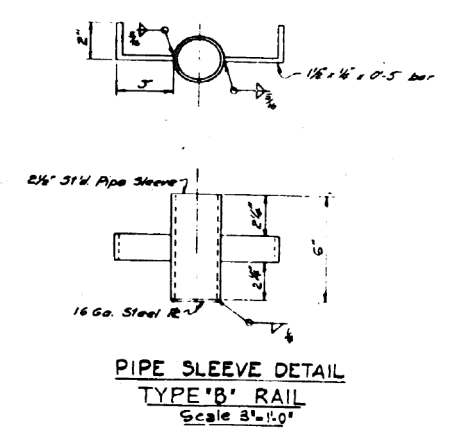
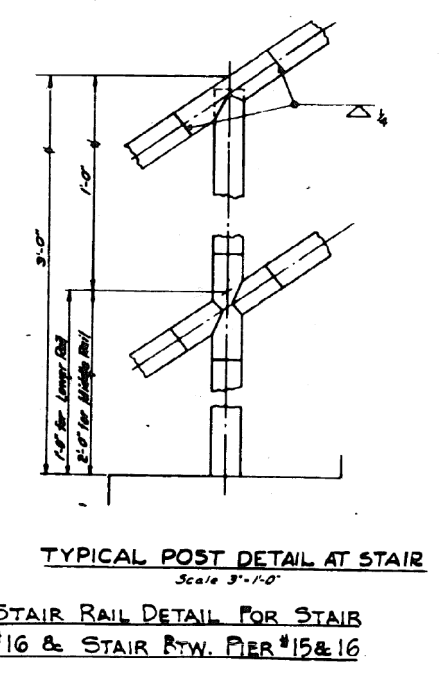
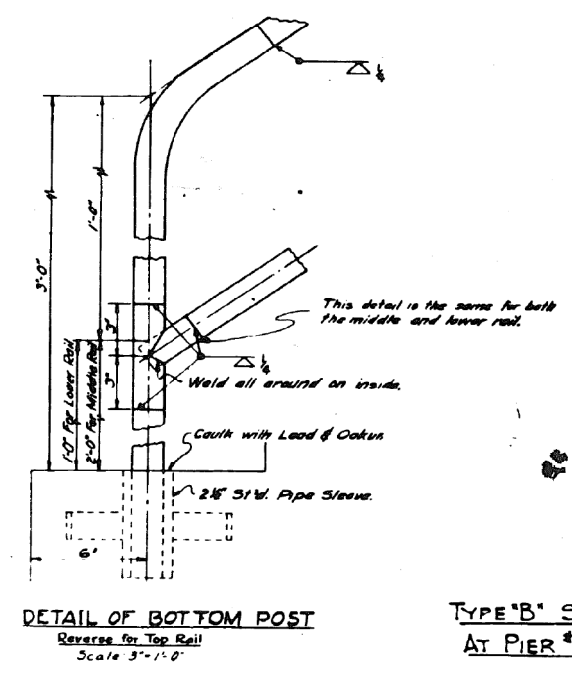
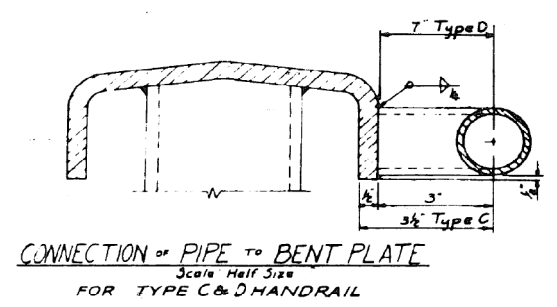
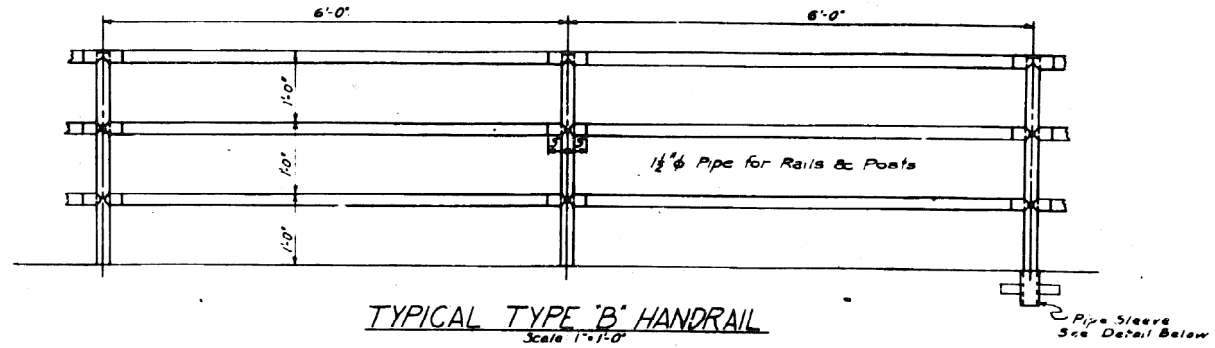
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 73 OF 194 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	495
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-



REVISIONS		
DATE	BY	DESCRIPTION
11-1-00	R.J.L.	Revisions as per Remarks

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

AM N. FRICKER
GEORGE A. OHLMAN

GENERAL HANDRAIL DETAILS
CONGRESS STREET SUPERHIGHWAY
DESPLAINES ST. TO CANAL ST.

COMPUTED	R.J.L.	SECTION	202 2013 A
UNKNW	S.M.	SCALE	AS SHOWN
UNCLRD	H.A.R.	APPROVED	[Signature]

APPROVED: [Signature] 2/2/16

State Aid	Fiscal	Sheet	Total
Route No.	Year	No.	Sheets
62	95	74	148

438

0160461-60X78-5219-EXT.dgn

**PARSONS
BRINCKERHOFF**

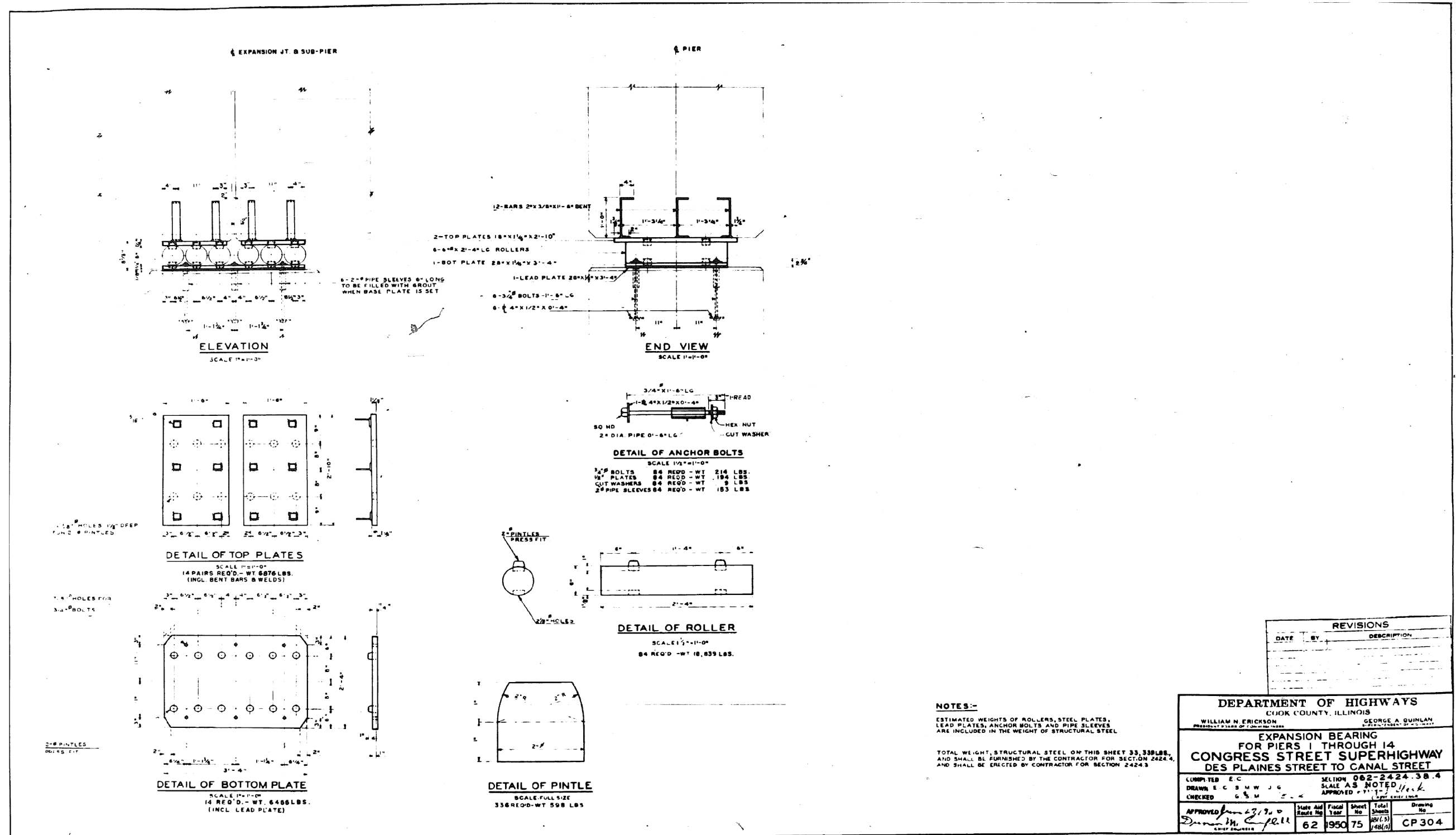
USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 74 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	496
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



REVISIONS		
DATE	BY	DESCRIPTION

DEPARTMENT OF HIGHWAYS
COOK COUNTY, ILLINOIS

WILLIAM H. ERICKSON
PRESIDENT & GENERAL MANAGER

GEORGE A. QUINLAN
VICE PRESIDENT & GENERAL MANAGER

EXPANSION BEARING FOR PIERS 1 THROUGH 14 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET

COMPUTED E.C. SECTION 062-2424.3B.4
DRAWN E.C.S.M.W.J.G. SCALE AS NOTED
CHECKED G.S.M. APPROVED P.T.J. Wick

APPROVED *[Signature]* CHIEF ENGINEER

State Aid	Fiscal Year	Sheet No.	Total Sheets	Drawing No.
62	1950	75	148(3)	CP 304

0160461-60X78-5220-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

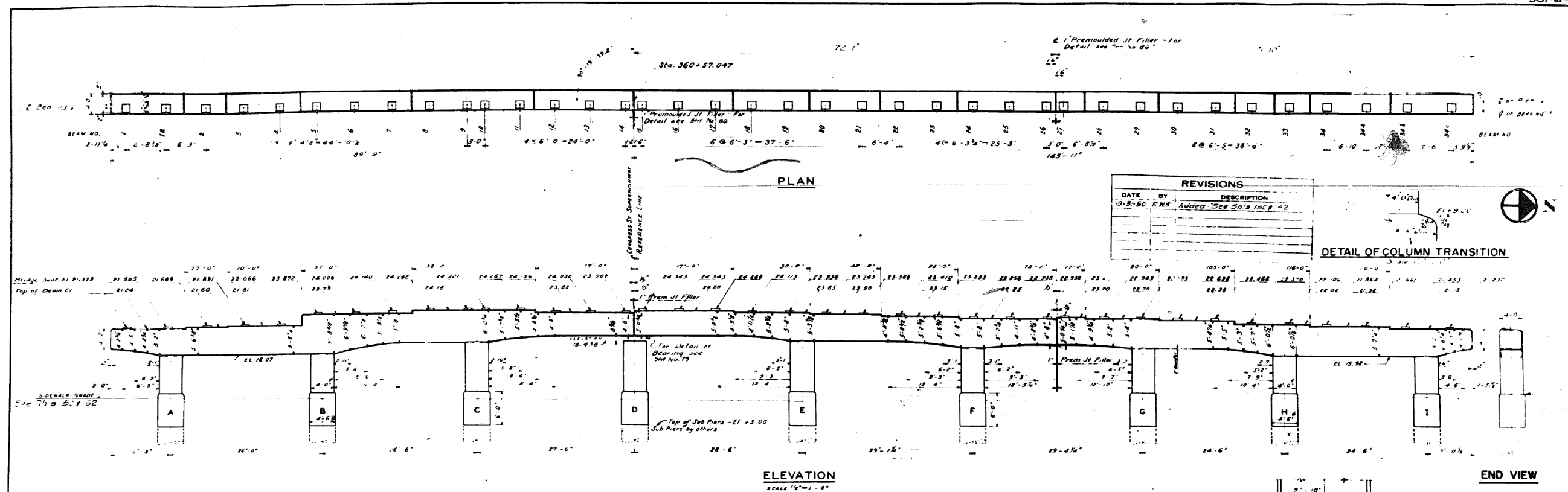
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461
SHEET NO. 75 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	497
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

301-6-3



REVISIONS		
DATE	BY	DESCRIPTION
10-29-50	RMS	Added See Sols 15C & 22

DETAIL OF COLUMN TRANSITION

SOUTH END-DRAWING C.P-306

MARK	LOCATION	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	G	H	J	R
N1	Span A	1	10	10-0	[Sketch]	1	1-5	10-7	9-2		1-5	4-1/2	10-6	9-6
N2	Span B	2	10	21-5	[Sketch]	1	1-5	20-1						
N3				26-9	[Sketch]	1	1-5	24-4						
N4				30-6	[Sketch]	1	1-5	27-1						
N5				30-10	[Sketch]	1	1-5	27-5						
N6				30-5	[Sketch]	5	1-5	12-4	6-6	18-2		6-7	1-0-2	
N7				24-0	[Sketch]									
N8				31-8	[Sketch]	5	1-5	5-4	7-3 1/2	17-7 1/2		5-2	1-0-2	
N9	Span BC	2	8	32-5	[Sketch]	5	1-5	5-7	7-2 1/2	18-2 1/2		5-1	1-0-2	
N10				28-0	[Sketch]	7	1-5	28-7						
N11	Span CD	4	4	23-6	[Sketch]	1	1-5	20-4						
N12				21-9	[Sketch]	1	1-5	20-4						
N13				27-3	[Sketch]	1	1-5	25-10						
N14				42-3	[Sketch]	5	1-5	13-1	6-3 1/2	20-0 1/2	1-5	4-5 1/2	1-0-2	
N15	Span DE	2	4	39-1	[Sketch]	5	1-5	13-1	7-9 1/2	17-9 1/2		5-6	1-0-2	
N16				21-6	[Sketch]									
N17				9-10	[Sketch]									
N18	Span CD	4	8	9-7	[Sketch]	8								24-0
N19	Temp Steel	10	8	31-0	[Sketch]									38-6
N20		20	8	20-0	[Sketch]									
V1	Col A+B	24	18	16-6										
V2	C	20	18	18-6										
Sp1	Col A+B	2	3/4" # 30	13-0	[Sketch]									
Sp2	C	1	1/4" # 30	13-0	[Sketch]									

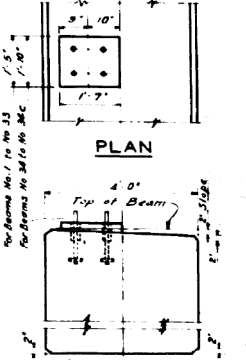
-BAR SCHEDULE-

CENTER SECTION-DRAWING C.P-307

MARK	LOCATION	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	G	H	J	R
N21	Span DE	4	10	18-0	[Sketch]	7	1-5	4-7						1-0-2
N22		2	8	40-11	[Sketch]	5	1-5	32-2	4-10	21-1	1-5	2-5	1-0-2	
N23	Span EF	10	8	28-0	[Sketch]	7	1-5	24-2						1-0-2
N24		4	8	28-0	[Sketch]	1	1-5	27-3						1-0-2
N25		4	8	3-10	[Sketch]	5	1-5	3-7	8-10			4-2		43-6
N26		4	10	28-2	[Sketch]									
N27	Span EF	2	8	39-0	[Sketch]	1	1-5	30-8				1-5		1-0-2
N28		4	8	27-0	[Sketch]	5	1-5	11-6	8-3	18-5	1-5	4-5	1-0-2	
N29		4	8	10-4	[Sketch]									
N30		4	8	34-9	[Sketch]	7	1-5	33-6	10-4			4-8		46-0
N31		2	8	60-0	[Sketch]	5	1-5	48-6 1/2	5-3 1/2	18-8	1-5	4-7	1-0-2	
N32		2	8	75-0	[Sketch]	7	1-5	62-8				1-5		1-0-2
N33	Temp Steel	4	8	13-4	[Sketch]									
N34		10	8	25-3	[Sketch]									
V3	Col D	12	14	15-0	[Sketch]									
V4	E	12	14	18-6	[Sketch]									
V5	F	12	14	17-6	[Sketch]									
Sp2	Col E	1	3/4" # 30	13-0	[Sketch]									
Sp3	F	1	1/4" # 30	13-0	[Sketch]									

NORTH END-DRAWING C.P-308

MARK	LOCATION	NO	SIZE	LENGTH	SKETCH	TYPE	A	B	C	D	G	H	J	R		
N35	Col G	2	18	18-3	[Sketch]	7	1-5	4-7	7-6	1-5	3-3	4-10	10-6 1/2	1-5	3-11 1/2	1-0-2
N36		2	18	27-1	[Sketch]	7	1-5	2-6 1/2	3-7	20-4	1-5	3-3 1/2	1-0-2			
N37		4	18	13-9	[Sketch]	9										
N38	Span GH	6	18	27-3	[Sketch]	1	1-5	26-3	13-9					5	1-0-2	
N39		2	8	39-11	[Sketch]	5	1-5	15-5	6-3	16-10	1-5	4-5	1-0-2			
N40	Span GH	10	8	22-6	[Sketch]											
N41		4	8	32-0	[Sketch]	1	1-5	30-7						1-0-2		
N42		4	8	8-10	[Sketch]	9				8-10			4-2	1-0-2		
N43	Span HI	8	10	29-6	[Sketch]	7	1-5	28-1						1-0-2		
N44		2	8	34-7	[Sketch]	5	1-5	10-0	6-6	16-8		4-7	1-0-2			
N45		4	8	18-9	[Sketch]	7	1-5	15-7 1/2				1-5		1-0-2		
N46	Col I	4	8	6-11	[Sketch]	9				6-11				1-0-2		
N47	Temp Steel	4	8	32-0	[Sketch]											
N48		18	8	25-0	[Sketch]											
N49		2	8	18-0	[Sketch]											
V4	Col G	4	18	17-6	[Sketch]											
V5	Col H	32	18	16-6	[Sketch]											
Sp3	Col G	1	3/4" # 30	13-0	[Sketch]											
Sp4	Col H	2	1/4" # 30	13-0	[Sketch]											



DETAIL OF BRIDGE SEATS

GENERAL NOTES FOR PIERS:

- All dimensions of bending details are cut to out of bars.
- Splicing of bars to be 33 diameters minimum.
- All bridge seats shall be constructed to the exact elevations shown if bush hammering or grinding is necessary, it shall be done or no additional cost.
- All reinforcement shall comply with Section 59 of the State Standard Specifications unless otherwise shown or noted.
- Splices shall be provided with 12" spacers.
- If splices shall be done by welding or by a lap of 12" turns with each splice.
- All exterior corners not otherwise indicated shall have a 3/4" chamfer.
- All columns ties shall be spaced about 12" o.c. unless otherwise shown or noted.

<p>PIER NO. 1 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET</p>		<p>MADEEN CABEJAS J.G. 11-2-24</p>	<p>SCALE AS SHOWN</p>	<p>862-2424-384 4-1-19-17-18-19-20 11-2-24</p>	
<p>DATE 11-2-24</p>	<p>SHEET NO. 76</p>	<p>SECTION 2014-004 R&B (WB)</p>	<p>COUNTY COOK</p>	<p>TOTAL SHEETS 706</p>	<p>SHEET NO. 498</p>
<p>CONTRACT NO. 60X78</p>		<p>ILLINOIS FED. AID PROJECT</p>			

0160461-60X78-5221-EXT.dgn

PARSONS
BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

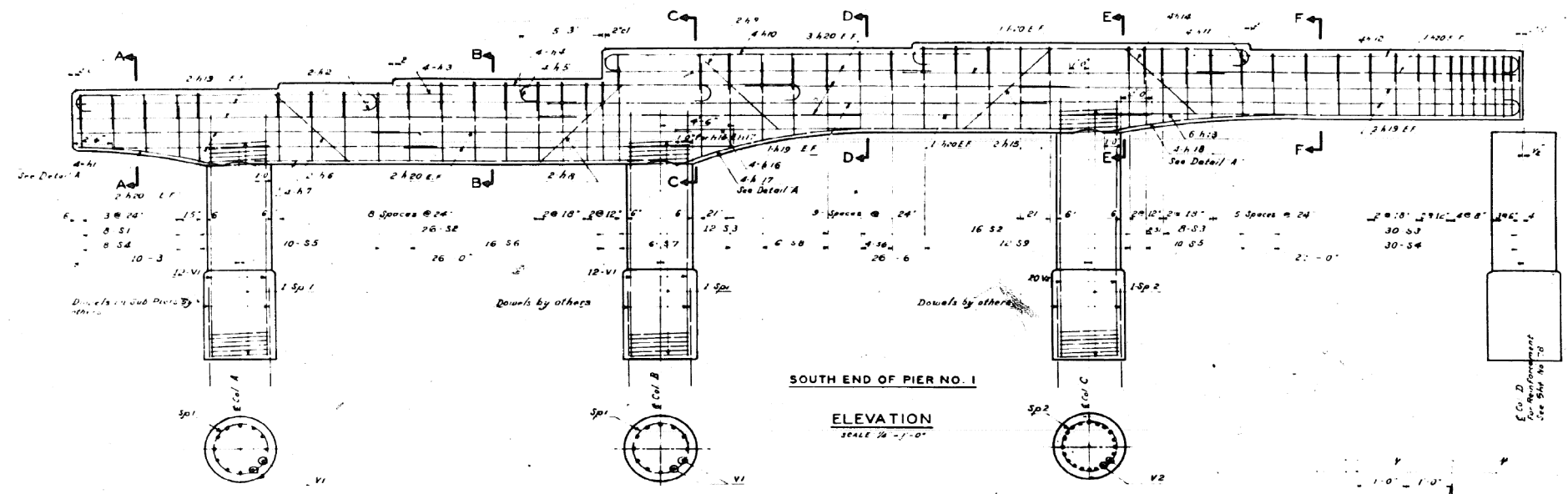
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STRUCTURE NO. 016-0461

SHEET NO. 76 OF 194 SHEETS

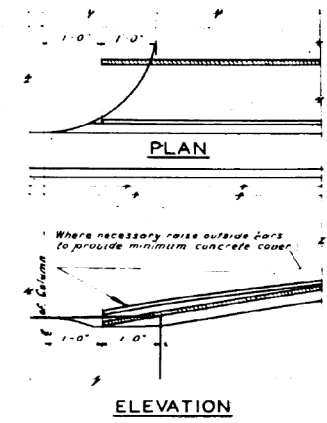
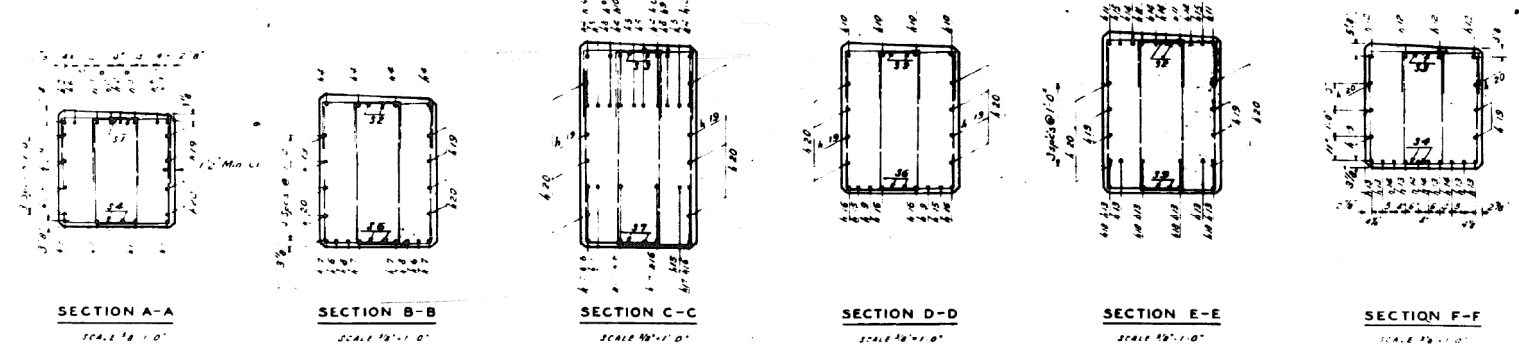
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FOR INFORMATION ONLY

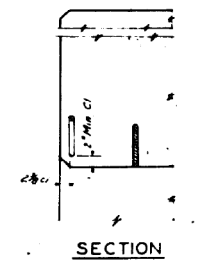
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SOUTH END OF PIER NO. 1
ELEVATION
SCALE 1/8" = 1'-0"



ELEVATION



DETAIL A
SCALE 1/8" = 1'-0"

Note: All stirrups in pairs

REVISIONS DATE BY DESCRIPTION 03-05 RAS 15' 4" 11"		PIER NO. 1 CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET	
MADSEN CABEZAS J.G. S.-A.		082-2424-384 AS SHOWN J. P. J.	
June 27, 2015 Dawn M. Campbell	62	1950 77	CP306

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PARSONS BRINCKERHOFF

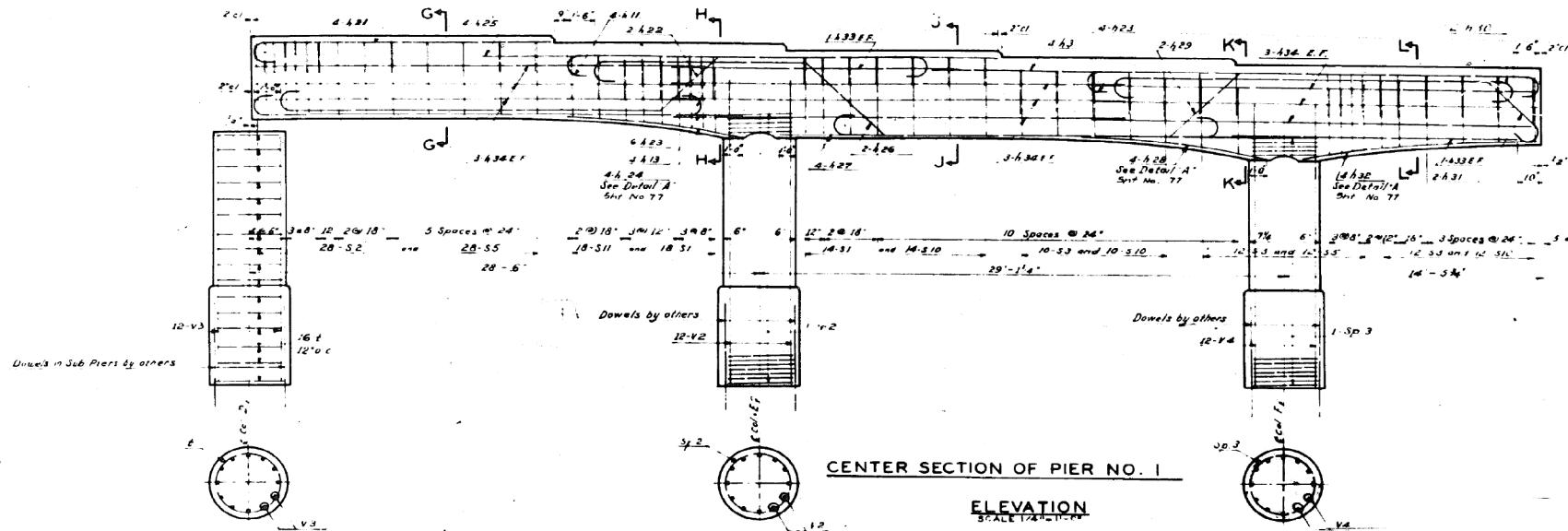
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PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

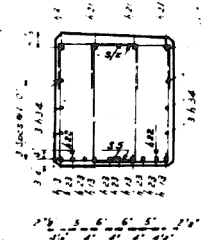
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SHEET NO. 77 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	499
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				

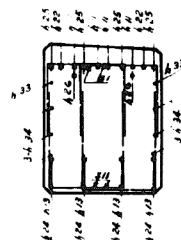
FOR INFORMATION ONLY



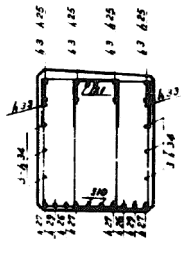
CENTER SECTION OF PIER NO. 1
ELEVATION
SCALE 1/4"=1'-0"



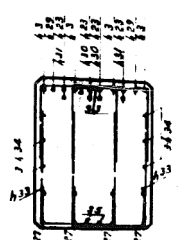
SECTION G-G
SCALE 3/8"=1'-0"



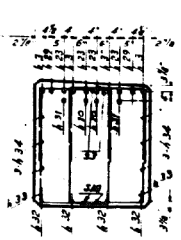
SECTION H-H
SCALE 3/8"=1'-0"



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



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



SECTION L-L
SCALE 1/8"=1'-0"

Note: All stirrups in piers

REVISIONS	
DATE	DESCRIPTION

DEPARTMENT OF HIGHWAYS COOK COUNTY, ILLINOIS		WILLIAM N. ERICKSON		GEORGE A. QUINLAN	
PIER NO. 1					
CONGRESS STREET SUPERHIGHWAY DES PLAINES STREET TO CANAL STREET					
COMPUTED MADSEN		SECTION 062-2424-384			
DRAWN CARZAS, J. GREER		SCALE AS SHOWN			
CHECKED [Signature]		APPROVED [Signature]			
APPROVED [Signature]	State Aid Study No.	Fiscal Year	Sheet No.	Total Sheets	Drawing No.
[Signature]	62	1950	78	1464-A	CP307

0160461-60X78-5223-EXT.dgn

PARSONS BRINCKERHOFF

USER NAME = pateld	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 3/23/2016	DRAWN - DCP	REVISED -
	CHECKED - JIG	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 016-0461

SHEET NO. 78 OF 194 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-004 R&B (WB)	COOK	706	500
CONTRACT NO. 60X78				
ILLINOIS FED. AID PROJECT				