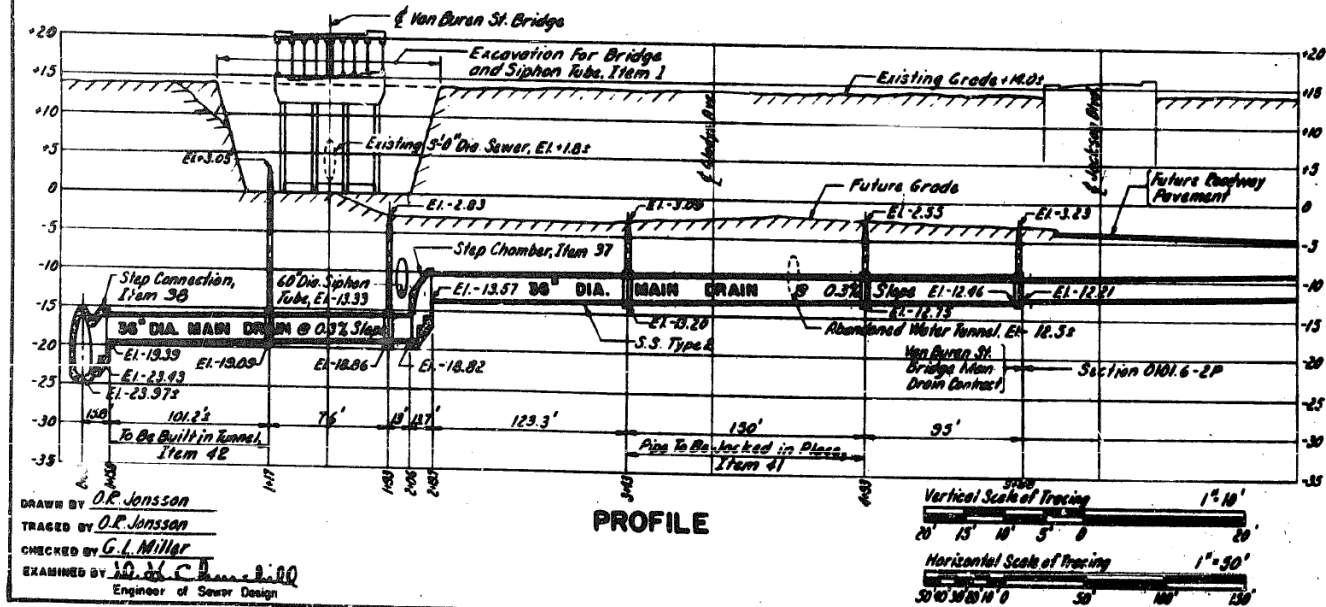
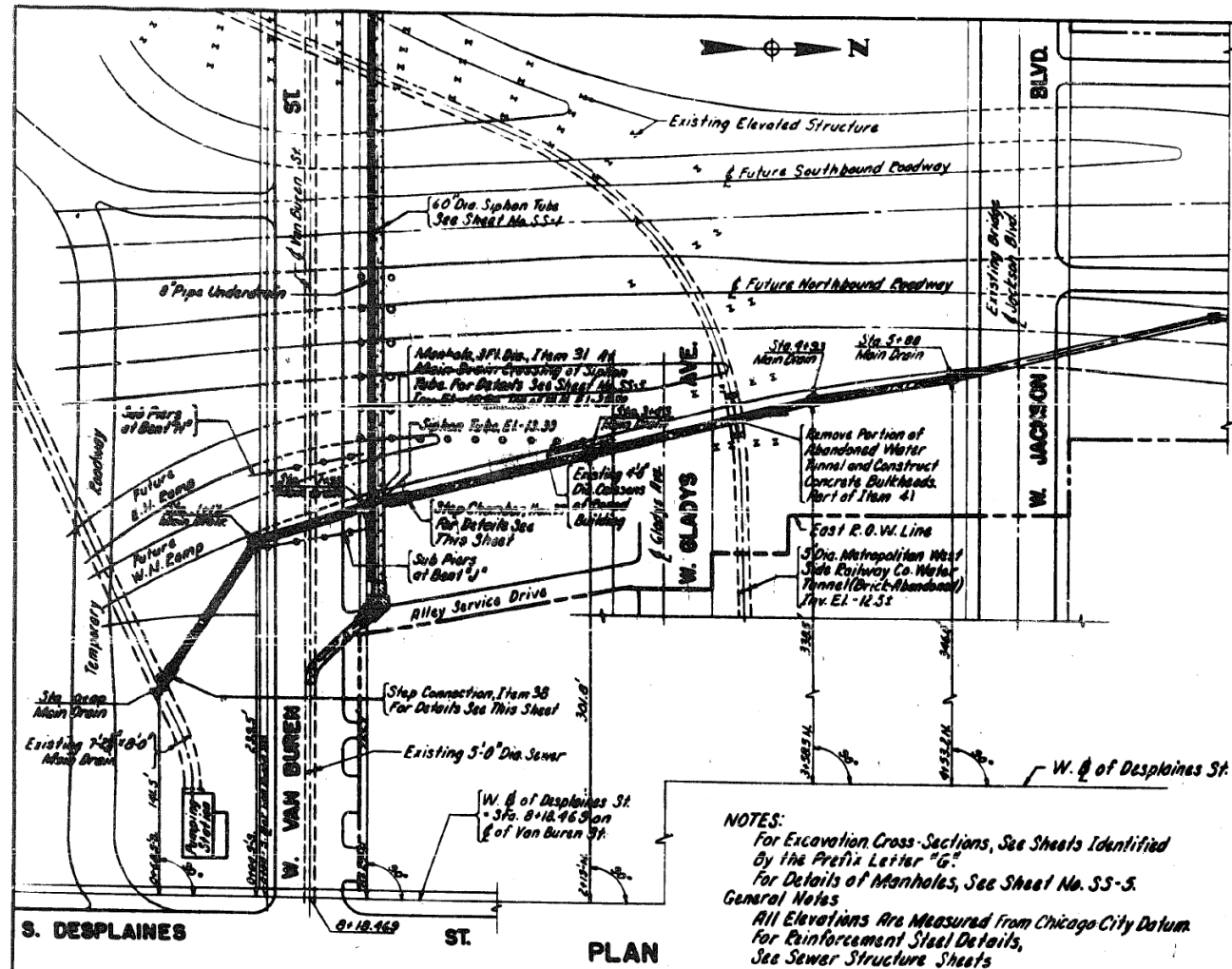
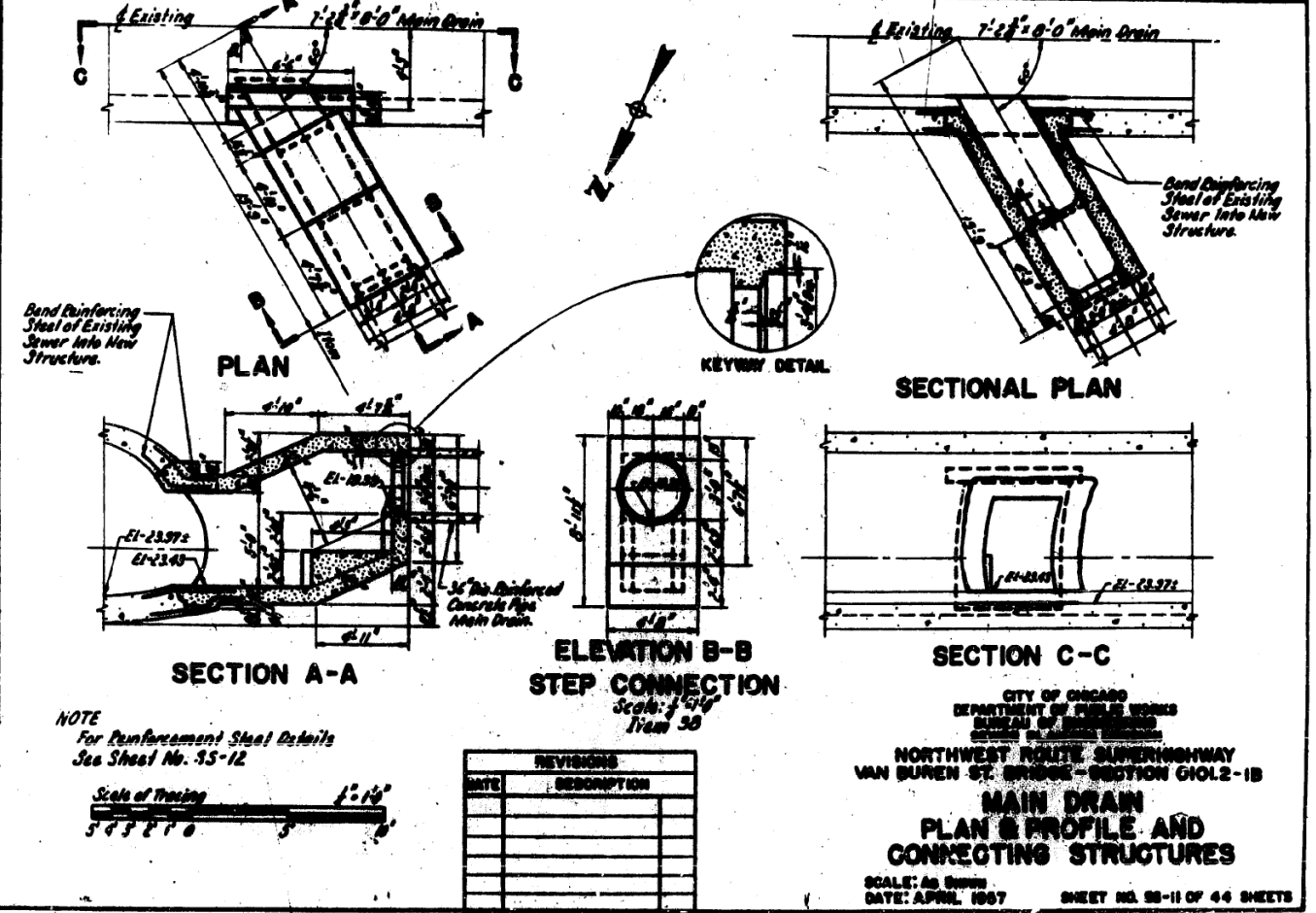
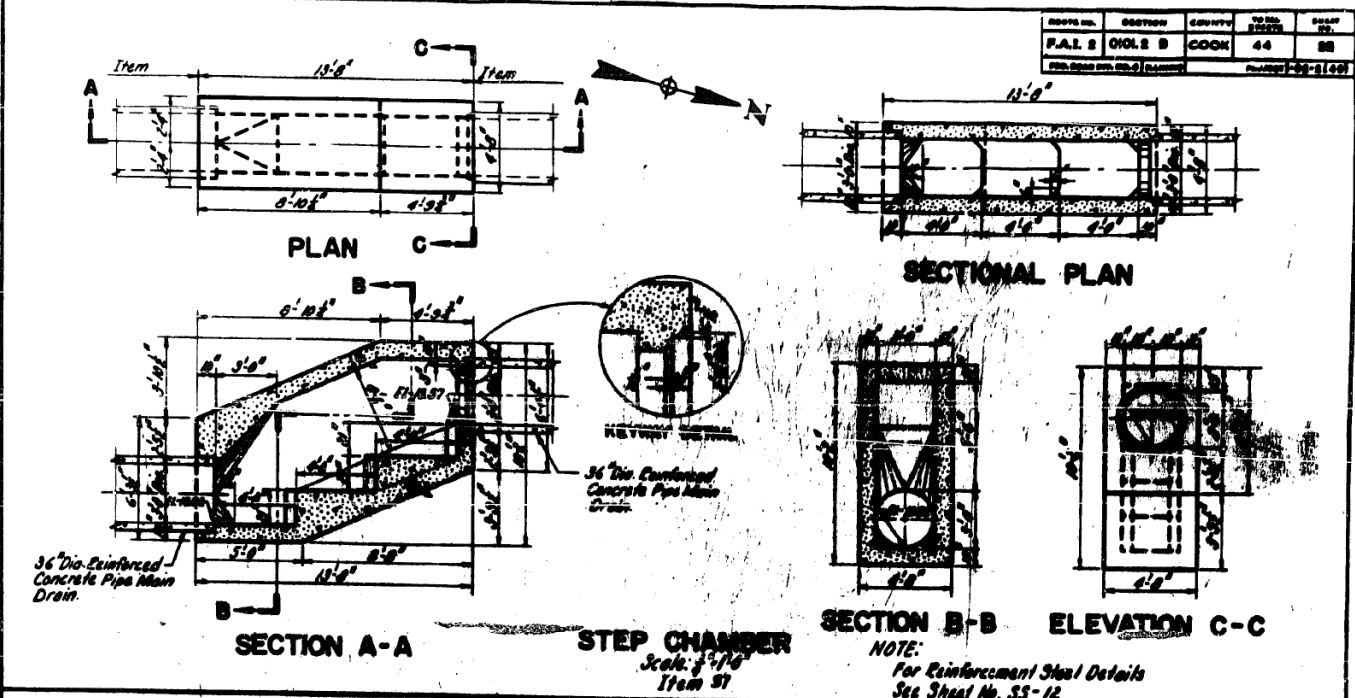


# FOR INFORMATION ONLY



DRAWN BY D.R. Jansson  
 TRACED BY D.R. Jansson  
 CHECKED BY G.L. Miller  
 EXAMINED BY D.R. Jansson  
 Engineer of Sewer Design

**NOTES:**  
 For Excavation Cross-Sections, See Sheets Identified by the Prefix Letter "G"  
 For Details of Manholes, See Sheet No. SS-5.  
**General Notes**  
 All Elevations Are Measured From Chicago City Datum.  
 For Reinforcement Steel Details, See Sewer Structure Sheets



REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE - SECTION G102-1B  
**MAIN DRAIN  
 PLAN & PROFILE AND  
 CONNECTING STRUCTURES**  
 SCALE: AS SHOWN  
 DATE: APRIL 1967  
 SHEET NO. 88-11 OF 44 SHEETS

FILE NAME: D:\V1617479-PWINT-accomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_1\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_58.2



USER NAME =	ahmad,issa	DESIGNED -	REVISION -
PLOT SCALE =	N.T.S	CHECKED -	REVISION -
PLOT DATE =	7/26/2018	DRAWN -	REVISION -
		CHECKED -	REVISION -
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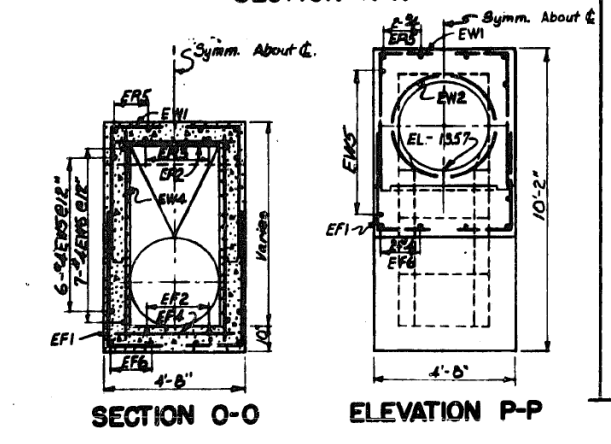
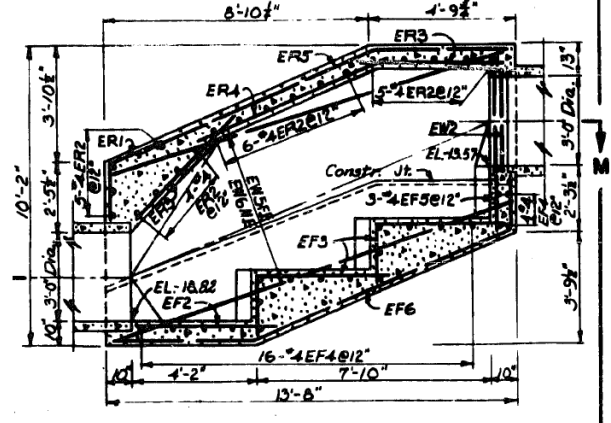
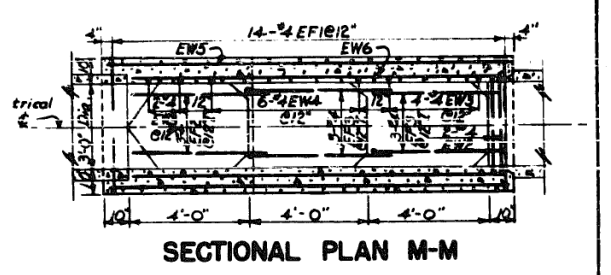
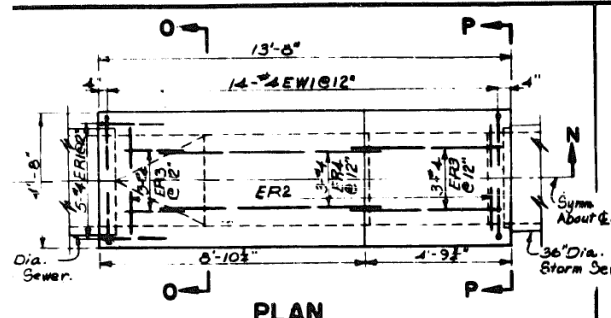
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

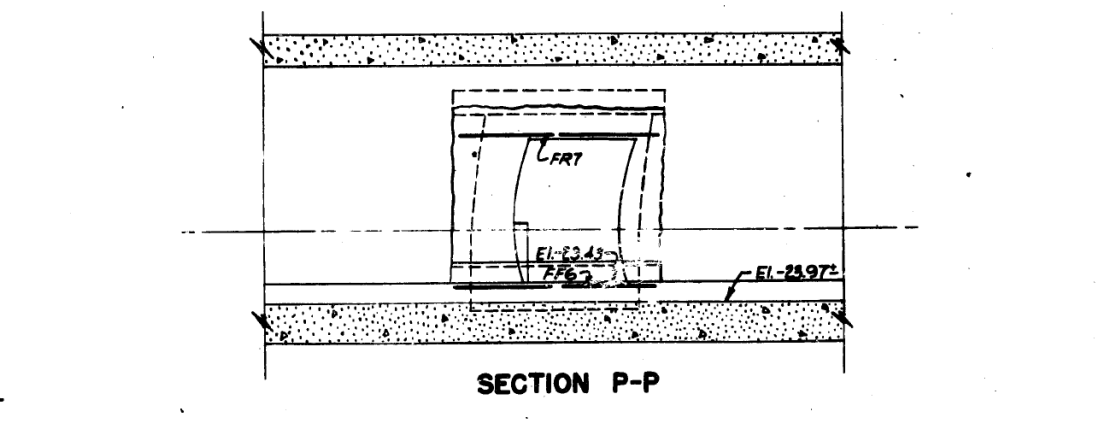
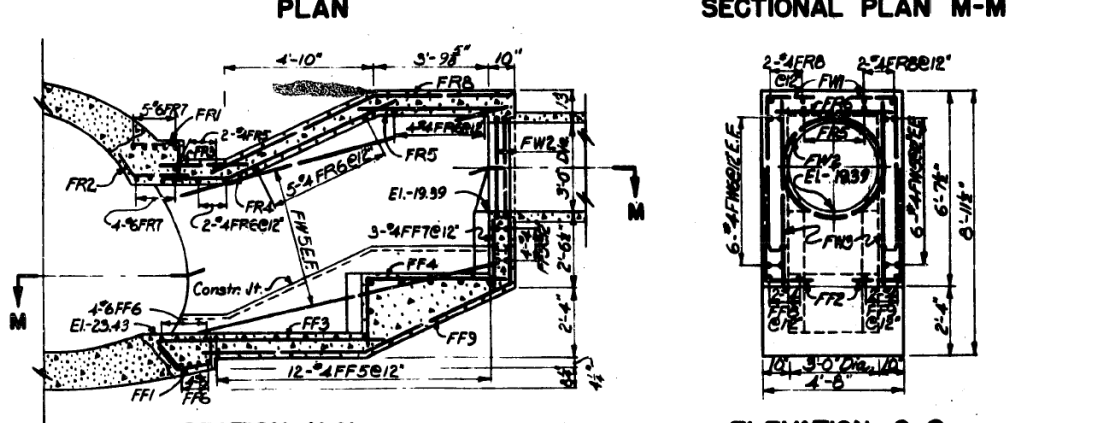
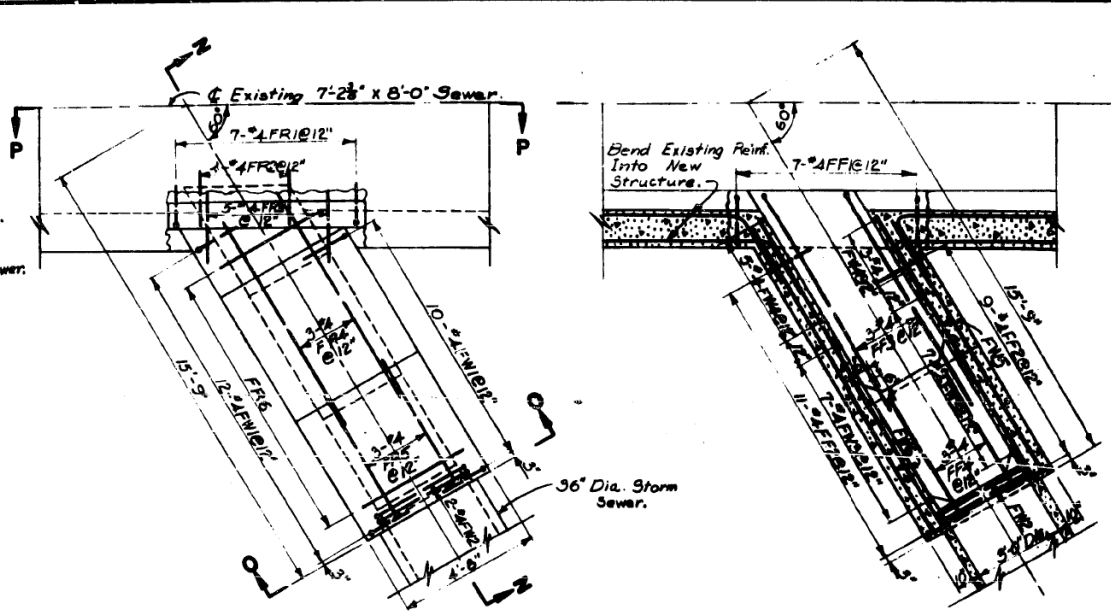
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	801
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

DATE: APRIL 1957  
 COUNTY: COOK  
 SHEET NO.: 88 OF 88  
 PROJECT: 60X79-5KX-EXISTING



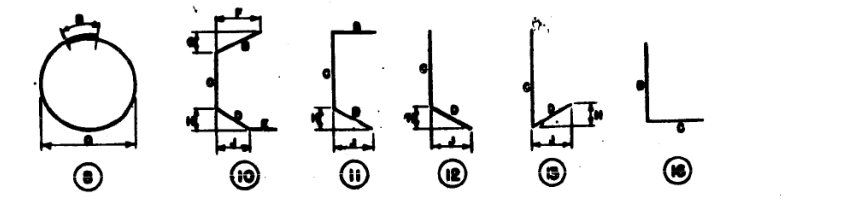
DESIGNED BY: G.W.M. & P.C.  
 CHECKED BY: G.W. MILLER  
 DRAWN BY: G. RAYLING  
 INCHES BY: J. RATHBUN



DESIGNED BY: G.W.M. & P.C.  
 CHECKED BY: G.W. MILLER  
 DRAWN BY: G. RAYLING  
 INCHES BY: J. RATHBUN

**SCHEDULE OF REINFORCEMENT-ITEM 7**

STRUCTURE	REINFORCEMENT BAR							BENDING DIMENSIONS											
	MARK	NO.	TYPE	LENGTH	NO. REQ.	WEIGHT - LBS. EACH	TOTAL	A	B	C	D	E	F	G	H	J	K	O	R
Step Chamber	ER1	4	12	1'-0"	12	5	2.67	13											
	ER2	4	9#	4'-0"	12	20	2.67	53											
	ER3	4	9#	4'-9"	12	6	3.17	19											
	ER4	4	9#	7'-0"	12	3	4.66	14											
	ER5	4	12	13'-0"	12	4	8.66	35											
	EW1	4	16	6'-0"	12	20	4.01	112											
	EW2	4	6	11'-11"	12	2	7.96	16											
	EW3	4	9#	6'-0"	12	12	4.01	48											
	EW4	4	9#	7'-0"	12	12	4.66	56											
	EW5	4	9#	12'-0"	12	12	9.33	172											
	EW6	4	9#	13'-0"	12	14	8.66	122											
	EF1	4	16	6'-0"	12	20	4.18	117											
	EF2	4	9#	4'-6"	12	3	3.01	9											
	EF3	4	16	6'-0"	12	6	4.34	26											
	EF4	4	9#	4'-0"	12	20	2.67	53											
	EF5	4	9#	2'-0"	12	3	1.34	4											
EF6	4	10	13'-9"	12	4	10.52	42												
							TOTAL	651											
Step Connection	FR1	4	16	2'-9"	12	7	1.84	13											
	FR2	4	12	2'-9"	12	4	1.84	7											
	FR3	4	9#	2'-6"	12	3	1.67	6											
	FR4	4	12	8'-5"	12	3	5.51	17											
	FR5	4	9#	4'-9"	12	3	3.17	16											
	FR6	4	9#	4'-0"	12	11	2.67	29											
	FR7	6	9#	6'-5"	12	9	3.33	63											
	FR8	4	12	10'-6"	12	4	2.01	28											
	FW1	4	16	6'-6"	12	22	4.34	96											
	FW2	4	6	11'-11"	12	2	7.96	16											
	FW3	4	9#	7'-5"	12	14	4.34	61											
	FW4	4	9#	6'-5"	12	6	4.18	25											
	FW5	4	9#	10'-3"	12	12	2.01	24											
	FF1	4	11	2'-9"	12	7	1.84	13											
	FF2	4	16	3'-3"	12	20	3.51	70											
	FF3	4	16	6'-9"	12	3	3.24	18											
FF4	4	16	7'-0"	12	3	4.66	14												
FF5	4	9#	4'-0"	12	16	2.67	43												
FF6	6	9#	6'-5"	12	6	3.33	13												
FF7	4	9#	2'-5"	12	3	1.30	4												
FF8	4	10	13'-9"	12	2	9.32	19												
FF9	4	10	12'-9"	12	2	8.32	17												
							TOTAL	664											



Note: All Dimensions are Out to Out of Bars, Except Radii 'R' for Bending are Given to Inside of Bar. Numbers in Circles Denote Bar Type.

Bar Prefix Identification:  
 R - Roof  
 W - Wall  
 F - Floor

REVISIONS	
DATE	DESCRIPTION

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 SEWER PLANNING DIVISION  
 NORTHWEST ROUTE SUPERHIGHWAY  
 VAN BUREN ST. BRIDGE-SECTION 002-1B  
**STORM SEWER**  
**CONNECTING STRUCTURES**  
 SCALE: AS SHOWN  
 DATE: APRIL 1957 SHEET NO. 88-12 OF 44 SHEETS

FILE NAME: DWG:\161749-PWINT-accomline\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5KX-EXISTING\_583



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
ED BY =	G.W. MILLER	CHECKED -	REVISIONS -
KED BY =	G. RAYLING	DRAWN -	REVISIONS -
INCHES BY =	J. RATHBUN	CHECKED -	REVISIONS -
DESIGNED BY =	G.W.M. & P.C.	CHECKED -	REVISIONS -
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INCHES BY =	J. RATHBUN	CHECKED -	REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	802
CONTRACT NO. 60X79				

# FOR INFORMATION ONLY

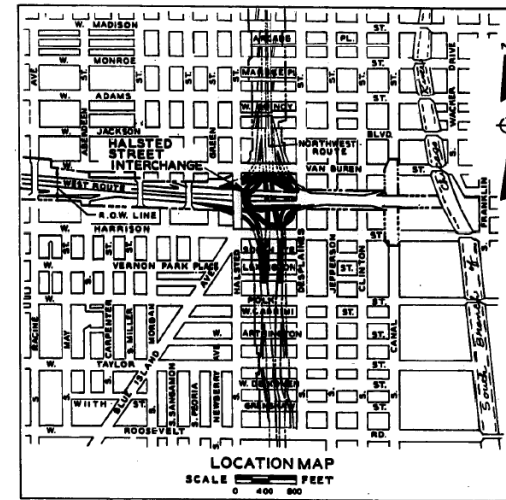
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 DATE: [ ]  
 COUNTY: [ ]  
 SECTION: [ ]  
 SHEET NO. OF TOTAL SHEETS: 118 OF 118

STATE OF ILLINOIS  
 CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING

NORTHWEST ROUTE SUPERHIGHWAY

## PLANS FOR HALSTED STREET INTERCHANGE SECTION 0101.6-1P

FAI ROUTE NO. 94 PROJECT I-94-3 (I)-51 (NEW NUMBER)  
 FAI ROUTE NO. 4 PROJECT I-04-8 (89) (OLD NUMBER)



APPROVED AS TO SEWER ALTERATIONS AND ADDITIONS  
*[Signature]*  
 DEPUTY FOR ENGINEER

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 DATE AUGUST 13, 1959  
 APPROVED *[Signature]*  
 CHIEF ENGINEER AND SUPERINTENDENT  
 APPROVED *[Signature]*  
 ASSISTANT CHIEF ENGINEER  
 APPROVED *[Signature]*  
 CHIEF ENGINEER  
 APPROVED *[Signature]*  
 COMMISSIONER

DEPARTMENT OF COMMERCE  
 BUREAU OF PUBLIC ROADS  
 APPROVED [ ] 19 [ ]  
 DIVISION ENGINEER DATE

THE DEPARTMENT OF  
 PUBLIC WORKS AND BUILDINGS  
 DIVISION OF HIGHWAYS  
 APPROVED [ ] 19 [ ]  
 APPROVED [ ] 19 [ ]  
 DIRECTOR

SHEET NO. 6-1 OF 118 SHEETS

FILE NAME: D:\161749-PWINT-aecommonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_59



USER NAME =	ahmad,issa	DESIGNED -	REVISOR -
		CHECKED -	REVISION -
PLOT SCALE =	N.T.S	DRAWN -	REVISION -
PLOT DATE =	7/26/2018	CHECKED -	REVISION -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	803
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

## LIST OF PLANS

SHEET NO.	TITLE	PAGE NO.	SHEET NO.	TITLE	PAGE NO.	SHEET NO.	TITLE	PAGE NO.
<b>GENERAL PLANS</b>								
G-1	TITLE SHEET	1	G-42	CROSS SECTIONS-COORDINATES +100 E. TO +150 E.	42	S-24	STRUCTURAL STEEL DETAILS	81
G-2	LIST OF PLANS - SUMMARY OF ITEMS	2	G-43	CROSS SECTIONS-COORDINATES +175 E. TO +200 E.	43	S-25	STRUCTURAL STEEL GIRDER BEARINGS	82
G-3	TYPICAL CROSS SECTIONS-ROADWAYS AND RAMPS	3	G-44	STEPPED CURB UNDER VAN BUREN ST. BRIDGE-PROJECT MARKER DETAILS	44	S-26	STRUCTURAL STEEL EXPANSION GUARDS-W.S. RAMP	83
G-4	GENERAL PLAN	4	G-45	APPROACH SLABS - SHOULDER DETAILS	45	S-27	STRUCTURAL STEEL EXPANSION GUARDS-SECTION DETAILS AND N.W. RAMP	84
G-5	CONSTRUCTION STAGING	5	G-46	PAVEMENT DETAILS	46	S-28	STRUCTURAL STEEL EXPANSION GUARDS FOR E.N., S.E. AND W.N. RAMPS	85
G-6	GENERAL PLAN-EXISTING STRUCTURES	6	G-47	DOWNSPOUT DETAILS	47	S-29	DECK SLAB PLAN-NORTH OF REFERENCE LINE	86
G-7	APPROXIMATE CONTOURS OF EXISTING GROUND LEVELS	7	G-48	CURB AND GUTTER DETAILS	48	S-30	DECK SLAB PLAN-SOUTH OF REFERENCE LINE	87
G-8	ALIGNMENT PLAN-COORDINATE SYSTEM	8	G-49	FRAME AND GRATE DETAILS	49	S-31	DECK SLAB REINFORCEMENT AND DETAILS	88
G-9	ALIGNMENT PLAN-STATIONS, COORDINATES, AND ANGLES OF INTERSECTIONS	9	G-50	FRAME AND GRATE DETAILS	49			
G-10	CENTER LINE PROFILES-ROADWAYS AND RAMPS	10	G-51	MANHOLE AND CATCH BASIN DETAILS	50			
G-11	CENTER LINE PROFILES-RAMPS	11	G-52	PAVEMENT ACCESSORIES-CONVENTIONAL SYMBOLS	51			
G-12	MAIN ROADWAY PROFILES	12	G-53	SLOPEWALL, ALLEY RETURN, DRIVEWAY AND SIDEWALK CONSTRUCTION DETAILS	52			
G-13	MAIN ROADWAY PROFILES-W. POLK ST. TO W. VERNON PARK PL.	13	G-54	FENCE AND GUARD RAIL DETAILS	53			
G-14	RAMP PAVEMENT TRANSITIONS	14	G-55	PAVEMENT DETAILS-VEHICULAR BARRIER DETAILS	55			
G-15	PLAN OF PAVEMENT-EAST PART	15	G-56	EXCAVATION DETAILS	56			
G-16	PLAN OF STRUCTURE-EAST PART	16	G-57	SPECIAL MANHOLE AT DESPLAINES ST.	57			
G-17	PLAN OF PAVEMENT-WEST PART	17	<b>STRUCTURAL PLANS</b>			E-1	GENERAL PLAN FOR ELECTRICAL WORK	89
G-18	PLAN OF STRUCTURE-WEST PART	18	S-1	KEY PLAN	58	E-2	GENERAL PLAN FOR ELECTRICAL WORK-UNDERPASS LIGHTING	90
G-19	PLAN OF PAVEMENT, SOUTHWEST PART-PLAN OF STRUCTURE, SOUTH PART	19	S-2	FOUNDATION PLAN-NORTH OF REFERENCE LINE	59	E-3	GENERAL DETAILS FOR ELECTRICAL WORK-UNDERPASS LIGHTING	91
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G-21	PLAN OF PAVEMENT-WEST OF HALSTED STREET	21	S-4	SUB-PIER SCHEDULE AND FOUNDATION GIRDERS	61	E-5	FOUNDATIONS AND MANHOLE FOR LIGHT STANDARDS	93
G-22	ALLEY-HALSTED STREET TO GREEN STREET	22	S-5	ABUTMENT AND RETAINING WALLS-BENT 70-N.W. RAMP	62	E-6	CIRCUIT DIAGRAM AND SERVICE CONNECTION FOR ELECTRICAL WORK	94
G-23	SOIL BORINGS	23	S-6	ABUTMENT AND RETAINING WALLS-BENT 77-N.W. RAMP	63	E-7	CIRCUIT DIAGRAM FOR ELECTRICAL WORK	95
G-24	SOIL BORINGS	24	S-7	ABUTMENT AND RETAINING WALLS-W.N. RAMP	64			
G-25	SOIL BORINGS	25	S-8	ABUTMENTS AND RETAINING WALLS-S.E. AND E.N. RAMPS	65			
G-26	DRAINAGE PLAN	26	S-9	ABUTMENT AND RETAINING WALLS-W.S. RAMP	66			
G-27	SPRINKLER SYSTEM	27	S-10	ABUTMENT AND RETAINING WALLS-W.S. RAMP	67			
G-28	GENERAL PLAN OF SOODING, SEEDING, STABILIZING AND SHOULDERS	28	S-11	CONCRETE BENTS-W.S. RAMP-DIMENSIONS AND ELEVATIONS	68			
G-29	CROSS SECTIONS - COORDINATES + 1485 S. TO + 1592 S. - KEY PLAN	29	S-12	CONCRETE BENTS-W.S. RAMP-DIMENSIONS AND ELEVATIONS	69			
G-30	CROSS SECTIONS - COORDINATES + 1266 S. TO + 1118 S.	30	S-13	CONCRETE BENTS-N.W. RAMP-DIMENSIONS AND ELEVATIONS	70			
G-31	CROSS SECTIONS - COORDINATES + 1066 S. TO + 963 S.	31	S-14	CONCRETE BENTS-W.N. AND N.E. RAMPS-DIMENSIONS AND ELEVATIONS	71			
G-32	CROSS SECTIONS - COORDINATES + 866 S. TO + 754 S.	32	S-15	CONCRETE BENTS-S.E. RAMP-DIMENSIONS AND ELEVATIONS	72			
G-33	CROSS SECTIONS - COORDINATES + 703 S. TO + 619 S.	33	S-16	CONCRETE BENTS-E. N. RAMP-DIMENSIONS AND ELEVATIONS	73			
G-34	CROSS SECTIONS - COORDINATES + 583 S. TO + 356 S.	34	S-17	REINFORCEMENT FOR BENTS	74			
G-35	CROSS SECTIONS - COORDINATES + 500 S. TO + 400 S.	35	S-18	STRUCTURAL STEEL FRAMING PLAN-S.E. RAMP	75			
G-36	CROSS SECTIONS - COORDINATES + 350 S. TO + 274 S.	36	S-19	STRUCTURAL STEEL FRAMING PLAN-EN. RAMP	76			
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G-39	CROSS SECTIONS - COORDINATES - 825 W. TO - 250 W.	39	S-22	STRUCTURAL STEEL FRAMING PLAN-W.S. RAMP	79			
G-40	CROSS SECTIONS - COORDINATES - 176 W. TO - 85 W.	40	S-23	STRUCTURAL STEEL FRAMING PLAN-N.W. RAMP	80			
G-41	CROSS SECTIONS - COORDINATES - 59 W. TO + 50 E.	41						

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS
F.A.I. #	0101.6-IP	COOK	118 2
RD. ROAD OR No. 4	SUBNO	PROJECT #	06-5617-51

## SUMMARY OF ITEMS

ITEM NO.	UNIT	QUANTITY	DESCRIPTION	ITEM NO.	UNIT	QUANTITY	DESCRIPTION	ITEM NO.	UNIT	QUANTITY	DESCRIPTION
1	CU. YDS.	235,000	SPECIAL EXCAVATION	37	EACH	19	MANHOLES, TYPE A, 4-FT. DIA.	73	EACH	91	JUNCTION BOXES
2	CU. YDS.	1,500	CLASS A EXCAVATION FOR STRUCTURES	38	EACH	2	INLETS TO BE ADJUSTED	74	LUMP SUM	-	SERVICE FOR SUBWAY PUMP ROOM
3	TONS	12,700	POROUS GRANULAR EMBANKMENT	39	EACH	6	CATCH BASINS TO BE ADJUSTED	75	SQ. YDS.	18,300	SOODING
4	CU. YDS.	1,500	TRENCH BACKFILL	40	EACH	13	MANHOLES TO BE ADJUSTED	76	CU. YDS.	4,260	TOP SOIL
5	LBS.	5,100	CLASS X CONCRETE REINFORCEMENT BARS	41	EACH	15	CATCH BASINS TO BE RECONSTRUCTED	77	ACRES	6.4	COMPLETE SEEDING
6	SQ. YDS.	1,000,000	PAVEMENT FABRIC	42	EACH	7	MANHOLES TO BE RECONSTRUCTED	78	TONS	11.7	PEAT MOSS
7	SQ. YDS.	33,000	STRUCTURAL STEEL	43	EACH	4	FILLING EXISTING INLETS	79	TONS	1.1	FERTILIZER NUTRIENTS
8	LBS.	3,400,000	SUB-PIER SHAFTS	44	EACH	1	FILLING EXISTING CATCH BASINS	80	TONS	12.8	STRAW FOR ASPHALT-COATED MULCH
9	CU. FT.	66,000	SUB-PIER BELLS	45	LBS.	16,000	MISCELLANEOUS IRON CASTINGS	81	GALS.	1250	EMULSIFIED ASPHALT
10	CU. FT.	5,400	6-INCH SUB-BASE GRANULAR MATERIAL, TYPE A	46	LIN.FT.	2,050	STORM SEWERS, TYPE 1, 6-INCH	82	EACH	20	FRAXINUS AMERICANA, 5'-6'
11	TONS	16,300	8-INCH SUB-BASE GRANULAR MATERIAL, TYPE A	47	LIN.FT.	400	STORM SEWERS, TYPE 2, 6-INCH	83	EACH	6	PLATANUS OCCIDENTALIS, 7'-8'
12	TONS	3,250	12-INCH SUB-BASE GRANULAR MATERIAL, TYPE B	48	LIN.FT.	2,300	STORM SEWERS, TYPE 2, 10-INCH	84	EACH	10	CELTIS OCCIDENTALIS, 8'-10'
13	TONS	19,000	PORTLAND CEMENT CONCRETE PAVEMENT, 6-INCH	49	LIN.FT.	1,425	STORM SEWERS, TYPE 2, 12-INCH	85	EACH	25	GLEDITSIA TRIACANTHOS INERMIS, 7'-8'
14	SQ. YDS.	1,800	PORTLAND CEMENT CONCRETE PAVEMENT, 10-INCH	50	LIN.FT.	350	STORM SEWERS, TYPE 2, 15-INCH	86	EACH	12	GLEDITSIA TRIACANTHOS INERMIS, 8'-10'
15	SQ. YDS.	30,000	PORTLAND CEMENT CONCRETE PAVEMENT, 10-INCH (COLORED)	51	LIN.FT.	180	STORM SEWERS, TYPE 2, 18-INCH	87	EACH	7	CRATAEGUS CRUS-GALLI, 8'-10'
16	SQ. YDS.	2,100	PORTLAND CEMENT CONCRETE PAVEMENT, APPROACH SLABS	52	LIN.FT.	1,500	PIPE UNDERDRAINS, 8-INCH	88	EACH	5	CRATAEGUS CRUS-GALLI, 10'-12'
17	SQ. YDS.	450	SLOPE WALL	53	LIN.FT.	250	8-INCH CAST IRON PIPE AND FITTINGS	89	EACH	12	CRATAEGUS COCCINEA, 10'-12'
18	SQ. FT.	1,350	PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH	54	LIN.FT.	110	SPRINKLER SYSTEM	90	EACH	11	MALUS CORONARIA, 8'-10'
19	LIN. FT.	2,500	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3	55	LUMP SUM	-	STONE PAVING	91	EACH	15	MALUS IOENSIS, 8'-10'
20	LIN. FT.	640	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3A	56	SQ. YDS.	2,000	PROJECT MARKERS	92	EACH	12	NAME PLATES
21	LIN. FT.	1,200	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3B	57	EACH	4	LIGHT STANDARDS, 1 6-FT. ARM	93	LUMP SUM	-	SPECIAL MANHOLE
22	LIN. FT.	1,200	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3C	58	EACH	37	LIGHT STANDARDS, 1 8-FT. ARM				
23	LIN. FT.	5,300	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3D	59	EACH	18	LIGHT STANDARDS, 1 12-FT. ARM				
24	LIN. FT.	2,100	COMBINATION CONCRETE CURB AND GUTTER, TYPE 3E	60	EACH	23	LUMINAIRES ON BRACKETS				
25	LIN. FT.	5,000	CONCRETE CURB, TYPE 4	61	EACH	66	1-INCH STEEL CONDUIT				
26	LIN. FT.	400	LONGITUDINAL CURB EXPANSION JOINTS	62	LIN. FT.	2,200	1-1/4 INCH STEEL CONDUIT				
27	SQ. FT.	4,000	BITUMINOUS MATERIALS (PRIME COAT)	63	LIN. FT.	1,100	1-1/2 INCH STEEL CONDUIT				
28	GALS.	2,700	BITUMINOUS CONCRETE BINDER COURSE	64	LIN. FT.	40	2-INCH STEEL CONDUIT				
29	TONS	735	BITUMINOUS CONCRETE SURFACE COURSE, SUBCLASS I-II	65	LIN. FT.	600	3-INCH STEEL CONDUIT				
30	TONS	490	METAL HANDRAIL	66	LIN. FT.	500	4-INCH ASBESTOS-CEMENT CONDUIT, ENCASED				
31	LIN. FT.	7,200	CHAIN LINK FENCE	67	LIN. FT.	13,000	NO. 10 A.W.G. INSULATED WIRE				
32	LIN. FT.	2,600	STEEL PLATE BEAM GUARD RAIL	68	LIN. FT.	33,000	NO. 6 A.W.G. INSULATED CABLE IN CONDUIT				
33	LIN. FT.	1,400	INLETS, TYPE A	69	LIN. FT.	17,000	NO. 8 A.W.G. INSULATED CABLE, DIRECT BURIAL SYSTEM GROUNDING				
34	EACH	63	CATCH BASINS, TYPE A, 4-FT. DIA.	70	LIN. FT.	-	LUMP SUM				
35	EACH	53	MANHOLES, TYPE A, 3-FT. DIA.	71	LIN. FT.	-					
36	EACH	4		72	LUMP SUM	-					

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**NORTHWEST ROUTE SUPERHIGHWAY**  
HALSTED STREET INTERCHANGE  
SECTION 0101.6-IP

**LIST OF PLANS**  
**SUMMARY OF ITEMS**

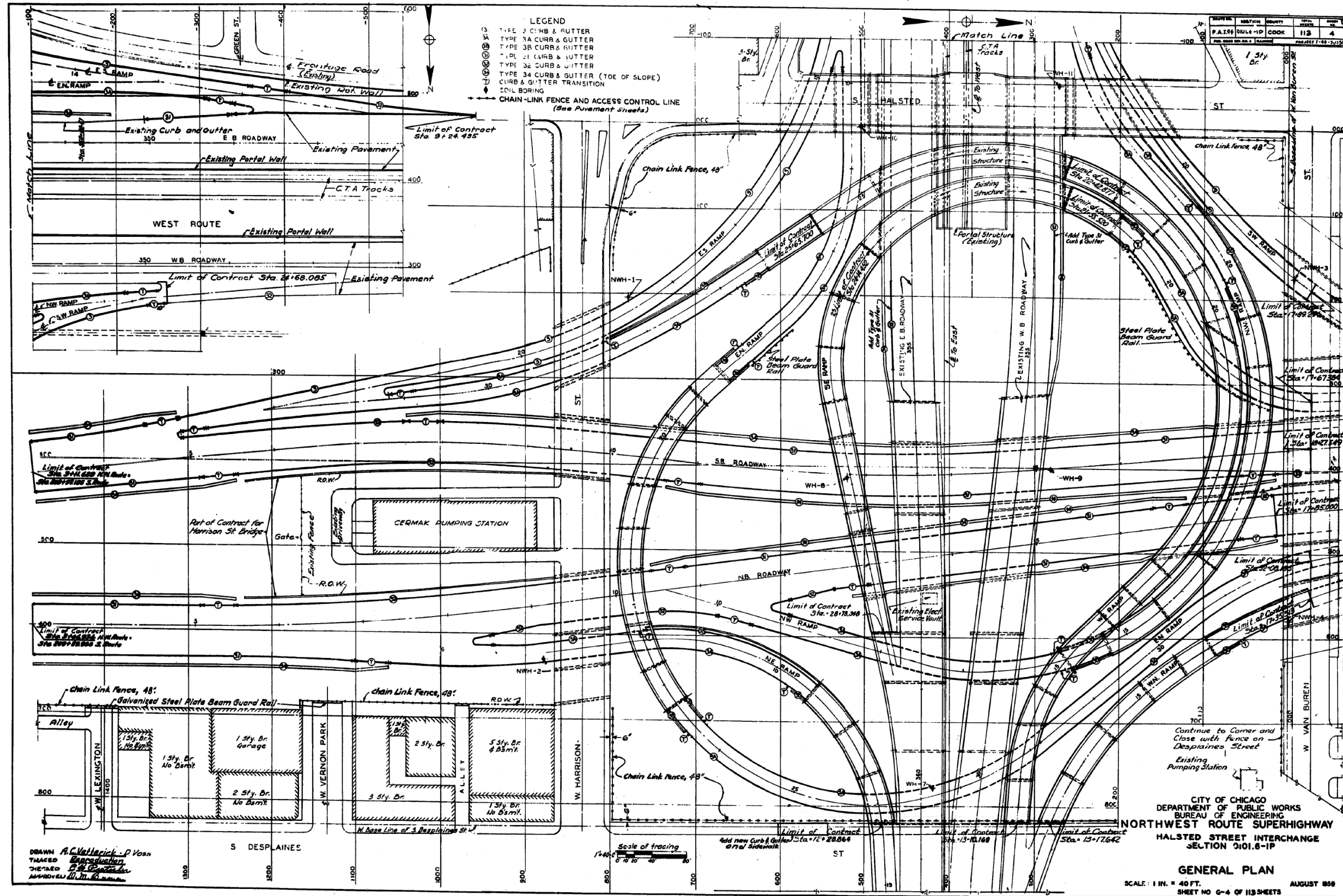
AUGUST 1998

SHEET NO. 6-2 OF 118 SHEETS

USER NAME = ahmad,issa	DESIGNED -	REvised -
PLOT SCALE = N.T.S	CHECKED -	REvised -
PLOT DATE = 7/26/2018	DRAWN - MI, MAI	REvised -

F.A.I. RTE. 90/94/290	SECTION 2014-005R&B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 804
CONTRACT NO. 60X79				
		ILLINOIS FED. AID PROJECT		

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FILE NAME: p:\v\1617479-PWINT-accomline.local\AECOM\_D502\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_61



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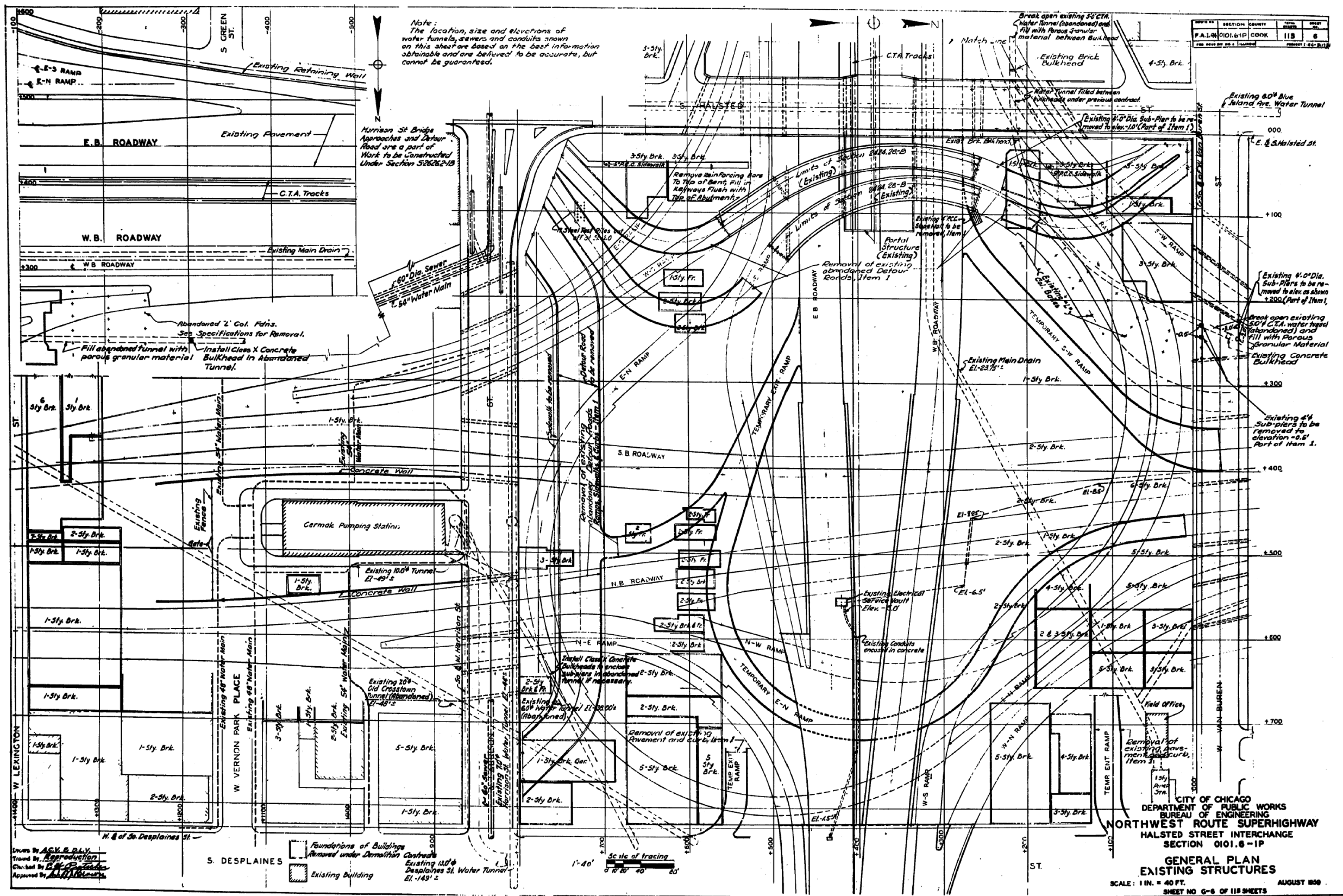
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EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X79				

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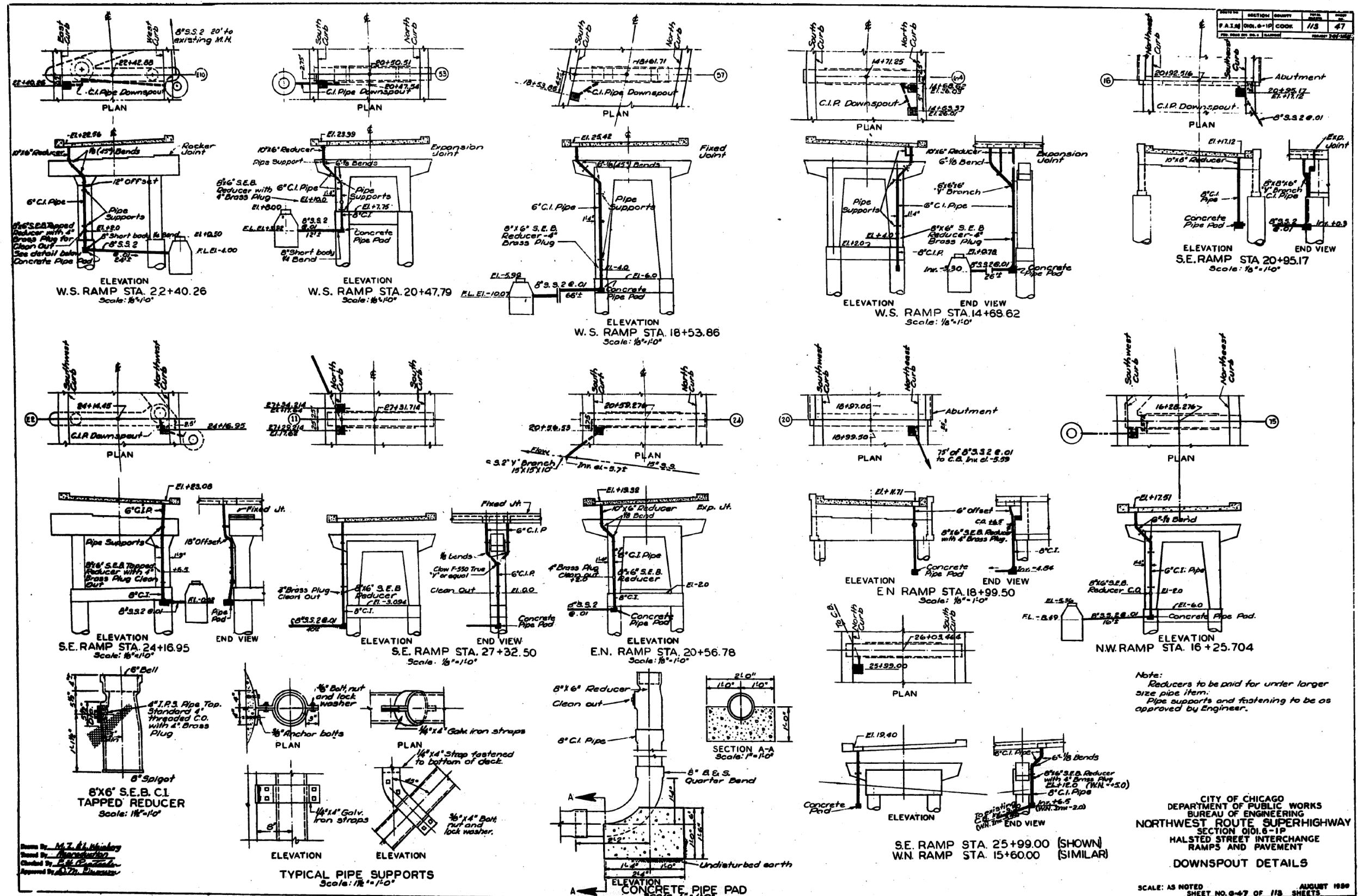
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DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	806
CONTRACT NO. 60X79				

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Note:  
Reducers to be paid for under larger size pipe item.  
Pipe supports and fastening to be as approved by Engineer.

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NORTHWEST ROUTE SUPERHIGHWAY  
SECTION 0101.6-1P  
MALSTED STREET INTERCHANGE  
RAMPS AND PAVEMENT  
DOWNSPOUT DETAILS

SCALE: AS NOTED  
SHEET NO. 47 OF 118 SHEETS  
AUGUST 1999

Drawn by: M.T. H. Hinesley  
Checked by: M.T. H. Hinesley  
Approved by: M.T. H. Hinesley

FILE NAME: D:\V1617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_63



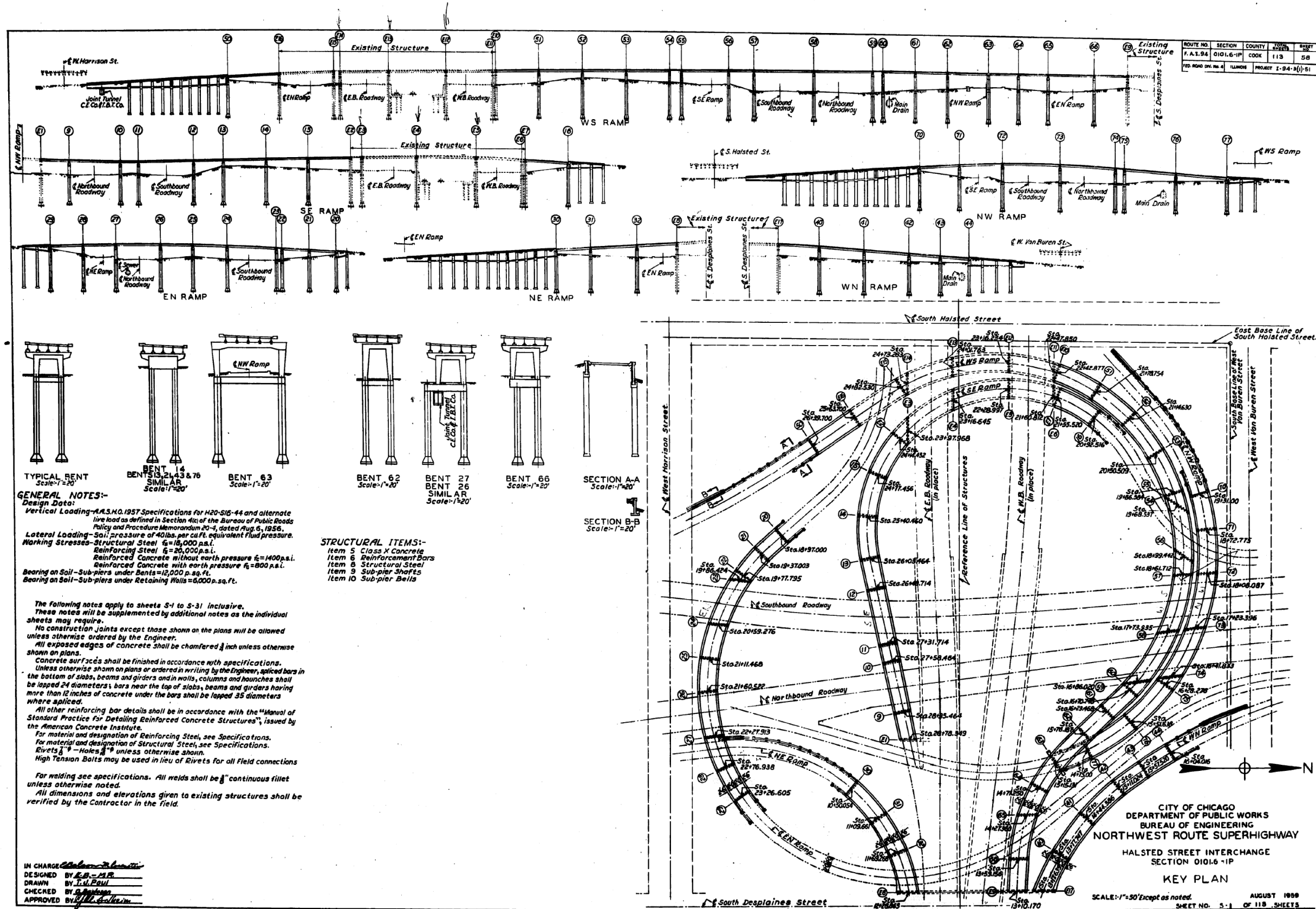
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DATE =	7/26/2018	CHECKED -	REVISD -
		MI, MAI	

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DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	807
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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**GENERAL NOTES:-**  
 Design Data:  
 Vertical Loading - A.A.S.H.O. 1957 Specifications for H20-S16-44 and alternate live load as defined in Section 41c of the Bureau of Public Roads Policy and Procedure Memorandum 20-4, dated Aug. 6, 1956.  
 Lateral Loading - Soil pressure of 40 lbs. per cu. ft. equivalent fluid pressure.  
 Working Stresses - Structural Steel  $f_s = 18,000$  p.s.i.  
 Reinforcing Steel  $f_s = 24,000$  p.s.i.  
 Reinforced Concrete without earth pressure  $f_c = 1400$  p.s.i.  
 Reinforced Concrete with earth pressure  $f_c = 800$  p.s.i.  
 Bearing on Soil - Sub-piers under Bents = 12,000 p.s.f.  
 Bearing on Soil - Sub-piers under Retaining Walls = 6,000 p.s.f.

The following notes apply to sheets S-1 to S-31 inclusive. These notes will be supplemented by additional notes as the individual sheets may require.  
 No construction joints except those shown on the plans will be allowed unless otherwise ordered by the Engineer.  
 All exposed edges of concrete shall be chamfered  $\frac{3}{8}$  inch unless otherwise shown on plans.  
 Concrete surfaces shall be finished in accordance with specifications. Unless otherwise shown on plans or ordered in writing by the Engineer, spliced bars in the bottom of slabs, beams and girders and in walls, columns and haunches shall be lapped 24 diameters; bars near the top of slabs, beams and girders having more than 12 inches of concrete under the bars shall be lapped 35 diameters where spliced.  
 All other reinforcing bar details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures", issued by the American Concrete Institute.  
 For material and designation of Reinforcing Steel, see Specifications.  
 For material and designation of Structural Steel, see Specifications.  
 Rivets  $\frac{3}{4}$ " - Holes  $\frac{7}{8}$ " unless otherwise shown.  
 High Tension Bolts may be used in lieu of Rivets for all field connections.  
 For welding see specifications. All welds shall be  $\frac{3}{8}$ " continuous fillet unless otherwise noted.  
 All dimensions and elevations given to existing structures shall be verified by the Contractor in the field.

- STRUCTURAL ITEMS:-**  
 Item 5 Class X Concrete  
 Item 6 Reinforcement Bars  
 Item 8 Structural Steel  
 Item 9 Sub-pier Shafts  
 Item 10 Sub-pier Belts

IN CHARGE *[Signature]*  
 DESIGNED BY E.B.-M.R.  
 DRAWN BY T.H. PAUL  
 CHECKED BY G. [Signature]  
 APPROVED BY [Signature]

FILE NAME: p:\v1617479-PWINT-aecom\online\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_64



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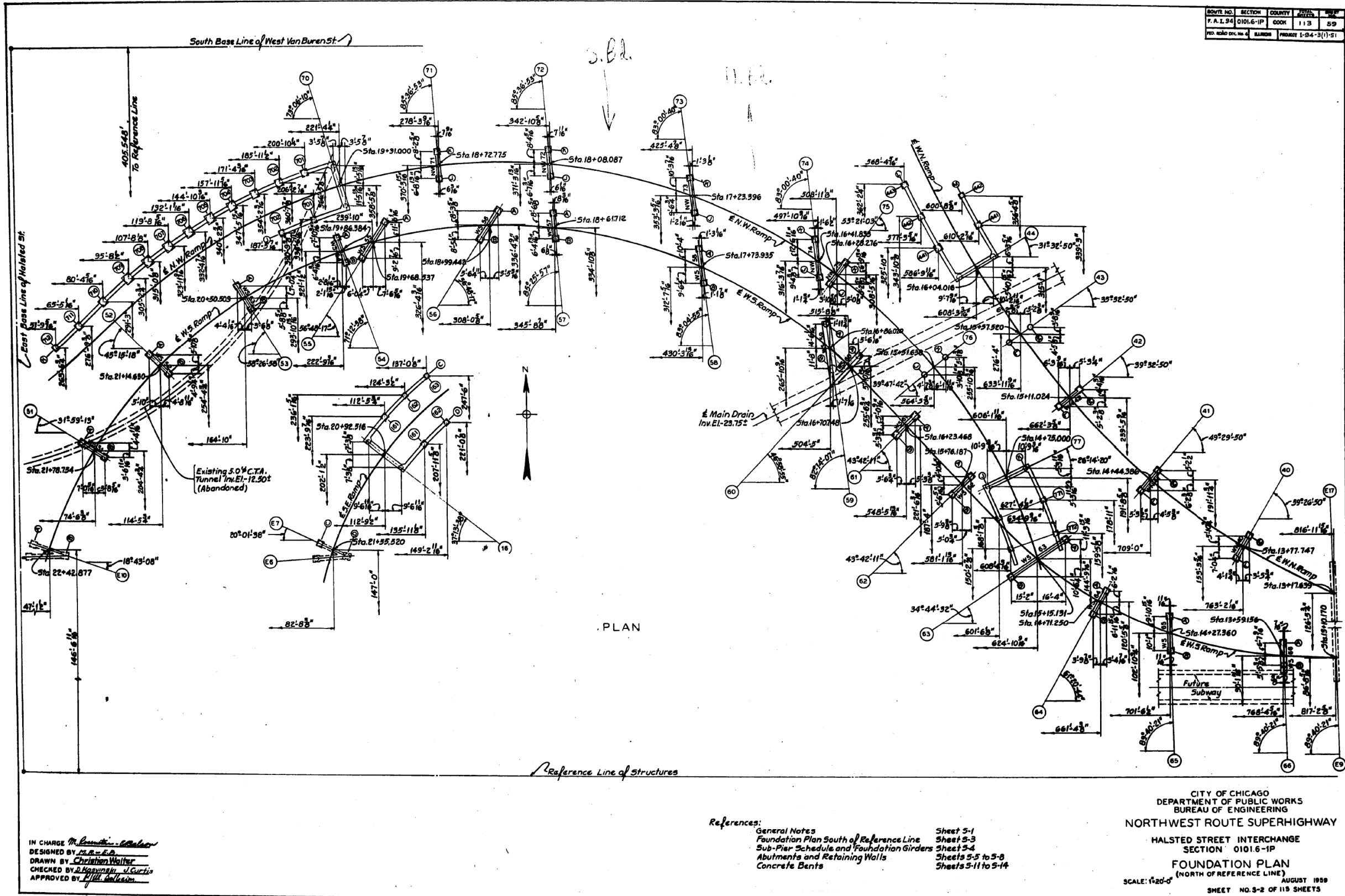
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	808
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



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IN CHARGE *M. L. ...*  
 DESIGNED BY *M. R. ...*  
 DRAWN BY *Christian Walter*  
 CHECKED BY *R. ...*  
 APPROVED BY *M. ...*

- References:
- General Notes
  - Foundation Plan South of Reference Line
  - Sub-Pier Schedule and Foundation Girders
  - Abutments and Retaining Walls
  - Concrete Bents
- Sheet 5-1  
 Sheet 5-3  
 Sheet 5-4  
 Sheets 5-5 to 5-8  
 Sheets 5-11 to 5-14

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 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 FOUNDATION PLAN  
 (NORTH OF REFERENCE LINE)  
 SCALE: 1/2"=1'-0"  
 AUGUST 1959  
 SHEET NO. 3-2 OF 113 SHEETS

FILE NAME: DWG:\617479-PWINT-aeccom\line\local\AECCOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_65



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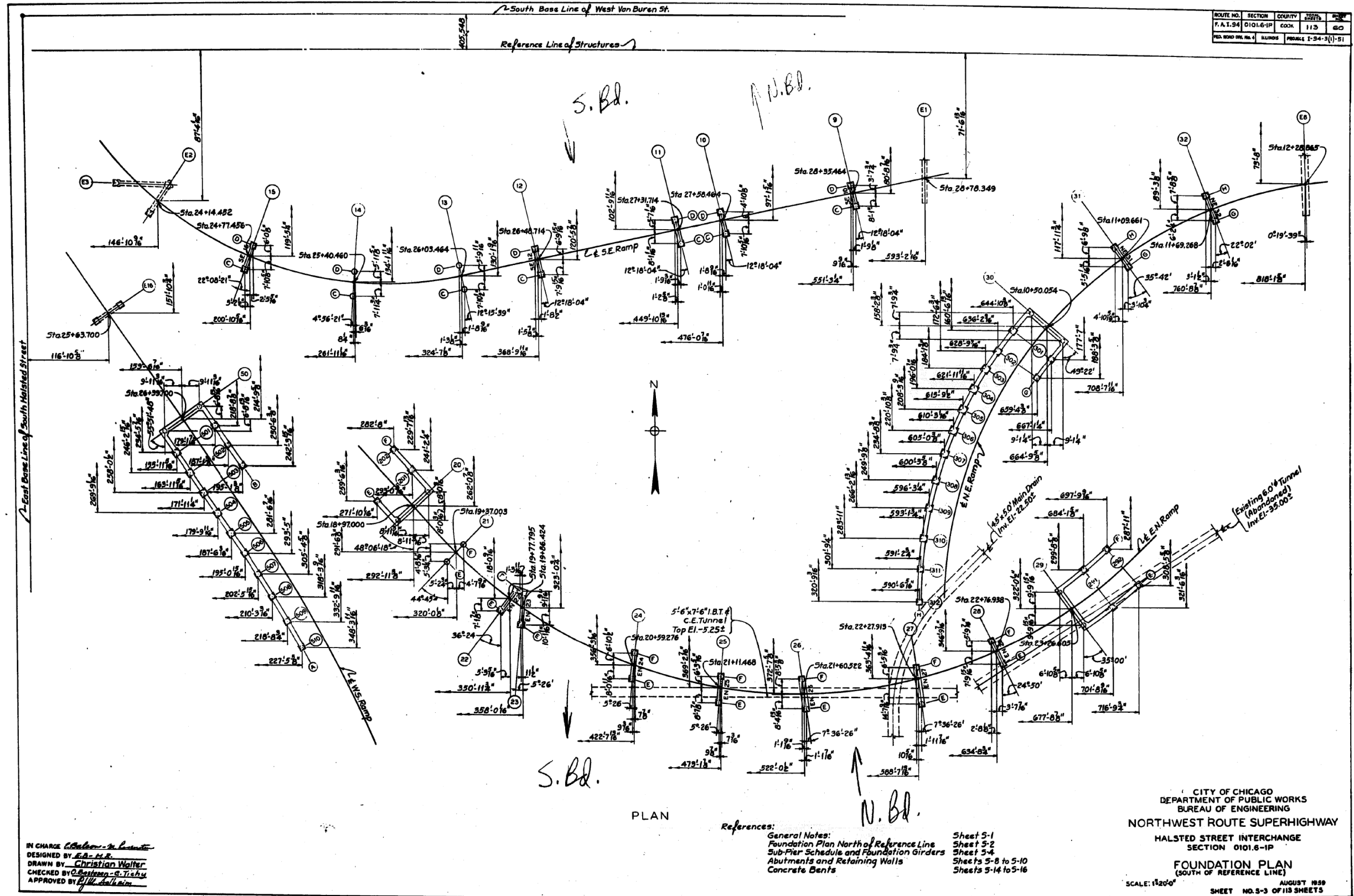
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EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	809
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

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IN CHARGE *C. A. ...*  
 DESIGNED BY *C.A.A.*  
 DRAWN BY *Christian Walter*  
 CHECKED BY *C. ...*  
 APPROVED BY *P.H. ...*

PLAN

References:  
 General Notes:  
 Foundation Plan North of Reference Line  
 Sub-Pier Schedule and Foundation Girders  
 Abutments and Retaining Walls  
 Concrete Bents

Sheet 5-1  
 Sheet 5-2  
 Sheet 5-4  
 Sheets 5-8 to 5-10  
 Sheets 5-14 to 5-16

CITY OF CHICAGO  
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 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 SECTION 0101.6-IP  
 FOUNDATION PLAN  
 (SOUTH OF REFERENCE LINE)  
 SCALE: 1"=20'-0"  
 AUGUST 1959  
 SHEET NO. 3-3 OF 113 SHEETS

FILE NAME: DWG:\617479-PWINT-aecomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_66



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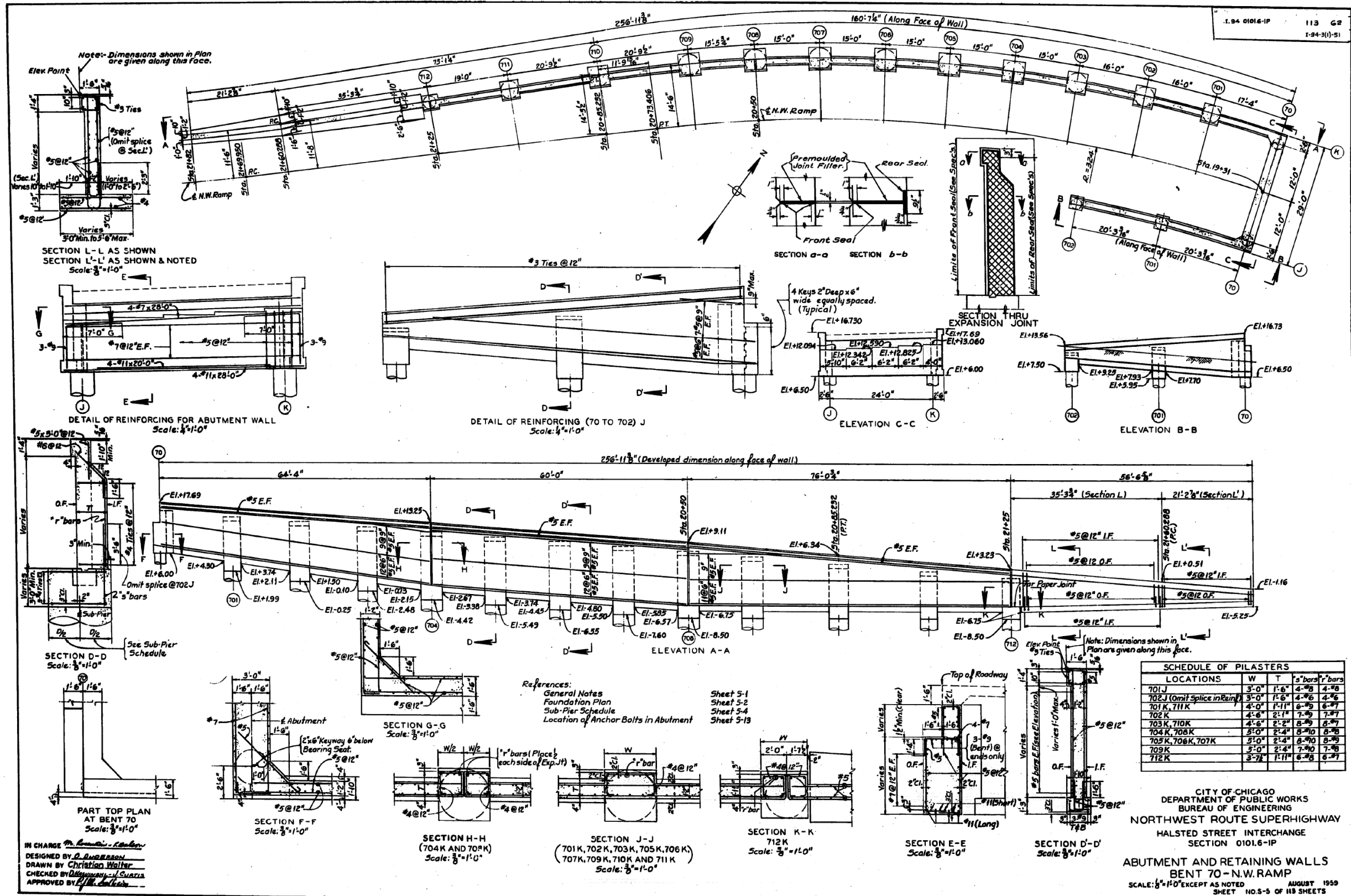
STATE OF ILLINOIS  
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EXISTING RECORD DRAWINGS

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CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



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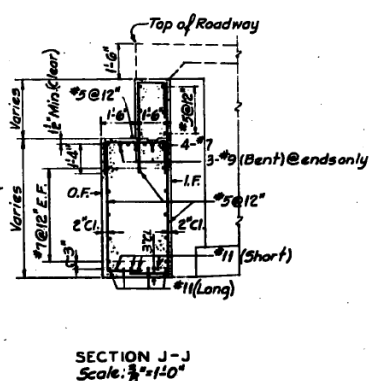
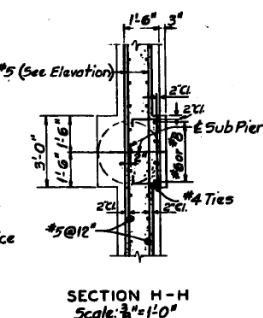
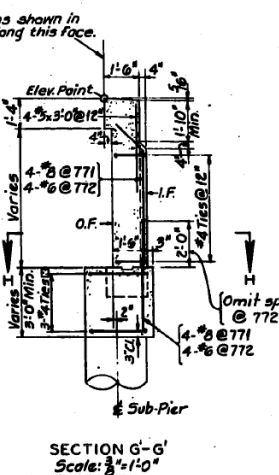
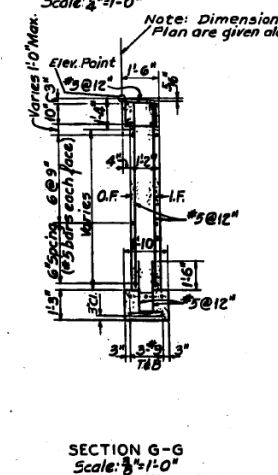
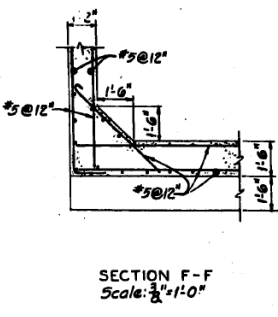
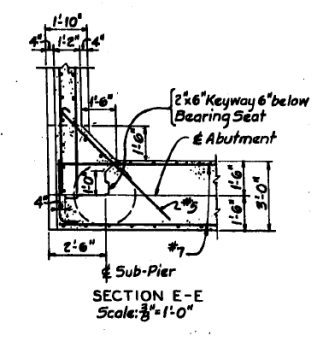
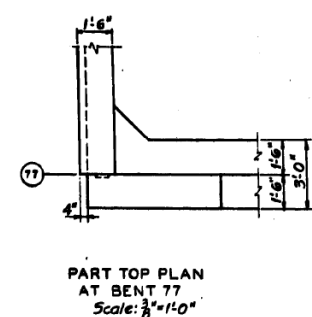
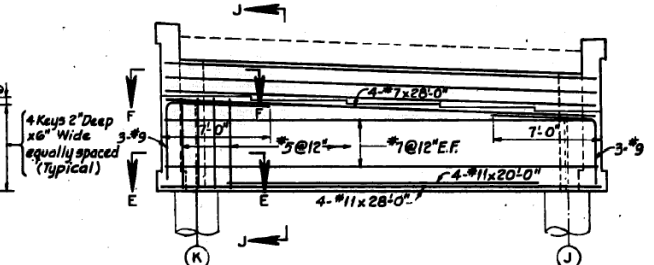
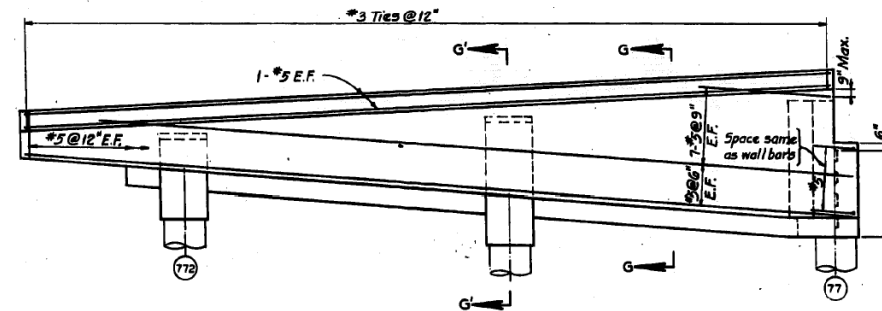
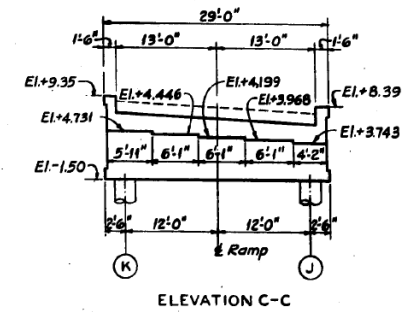
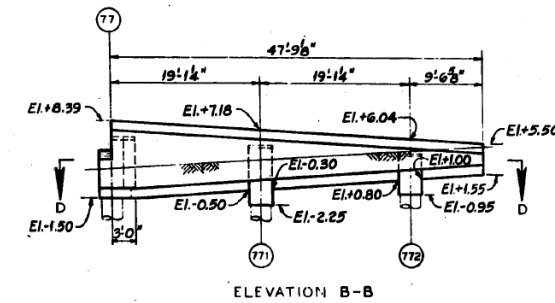
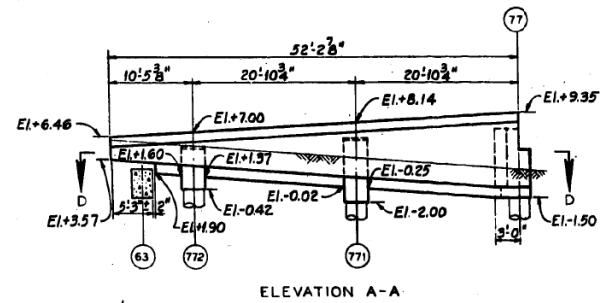
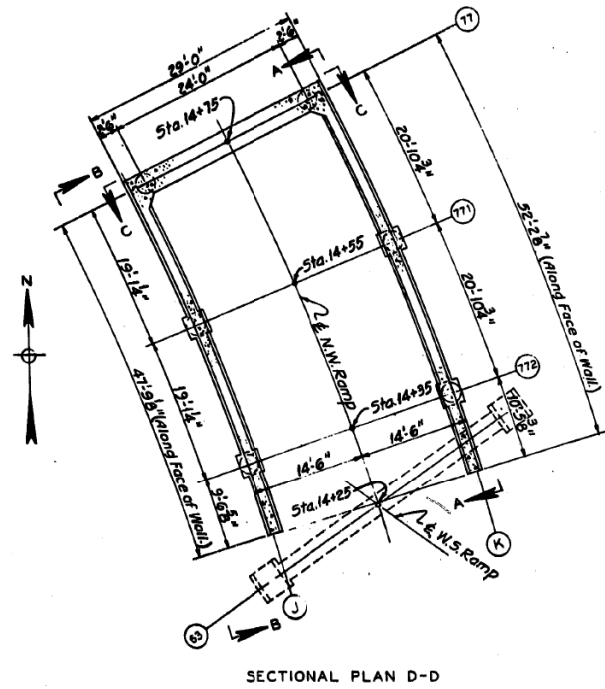
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EXISTING RECORD DRAWINGS

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90/94/290	2014-005R&B	COOK	888	812
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	SHEET	# OF SHEETS
P. A. 1-94	0101.6-1P	COOK	113	63
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT 1-94-3(1)-31		



IN CHARGE *P. G. ...*  
DESIGNED BY *P. G. ...*  
DRAWN BY *C. ...*  
CHECKED BY *C. ...*  
APPROVED BY *P. G. ...*

References:  
General Notes  
Foundation Plan  
Sub-Pier Schedule  
Location of Anchor Bolts in Abutment

Sheet 5-1  
Sheet 5-2  
Sheet 5-4  
Sheet 5-13

CITY OF CHICAGO  
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NORTHWEST ROUTE SUPERHIGHWAY  
HALSTED STREET INTERCHANGE  
SECTION 0101.6-1P  
ABUTMENT AND RETAINING WALLS  
BENT 77-N.W. RAMP  
SCALE: 3/8" = 1'-0" EXCEPT AS NOTED  
SHEET NO. 5-8 OF 118 SHEETS



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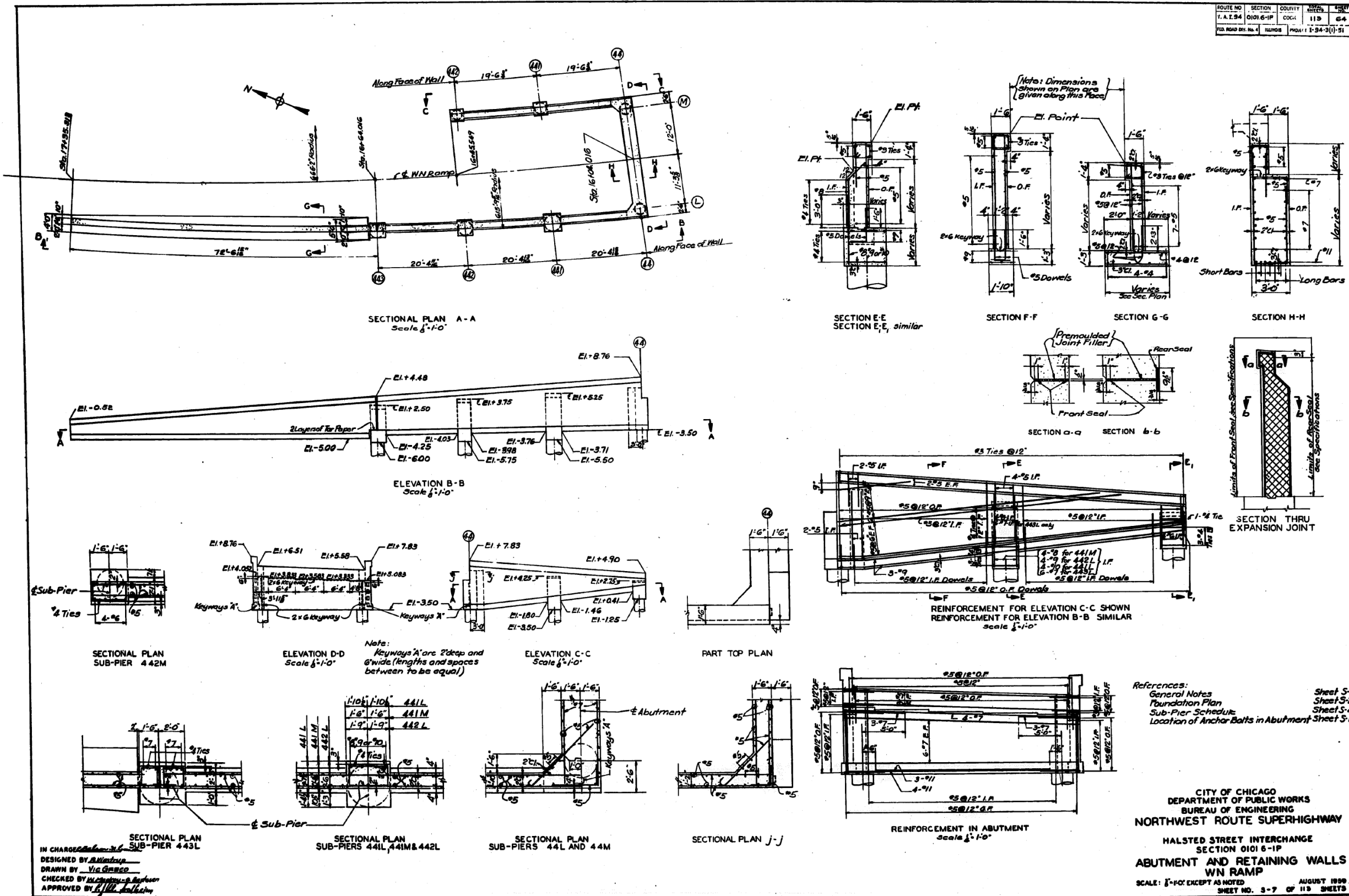
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
I. A. I. 94	0101 6-1P	COOK	113	64
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT I-94-3(1)-51		



References:  
 General Notes  
 Foundation Plan  
 Sub-Pier Schedule  
 Location of Anchor Bolts in Abutment Sheet S-14

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 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101 6-1P  
 ABUTMENT AND RETAINING WALLS  
 WN RAMP  
 SCALE: 1/8"=1'-0" EXCEPT AS NOTED  
 AUGUST 1999  
 SHEET NO. S-7 OF 113 SHEETS

IN CHARGE: *[Signature]*  
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 DRAWN BY: *[Signature]*  
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 APPROVED BY: *[Signature]*

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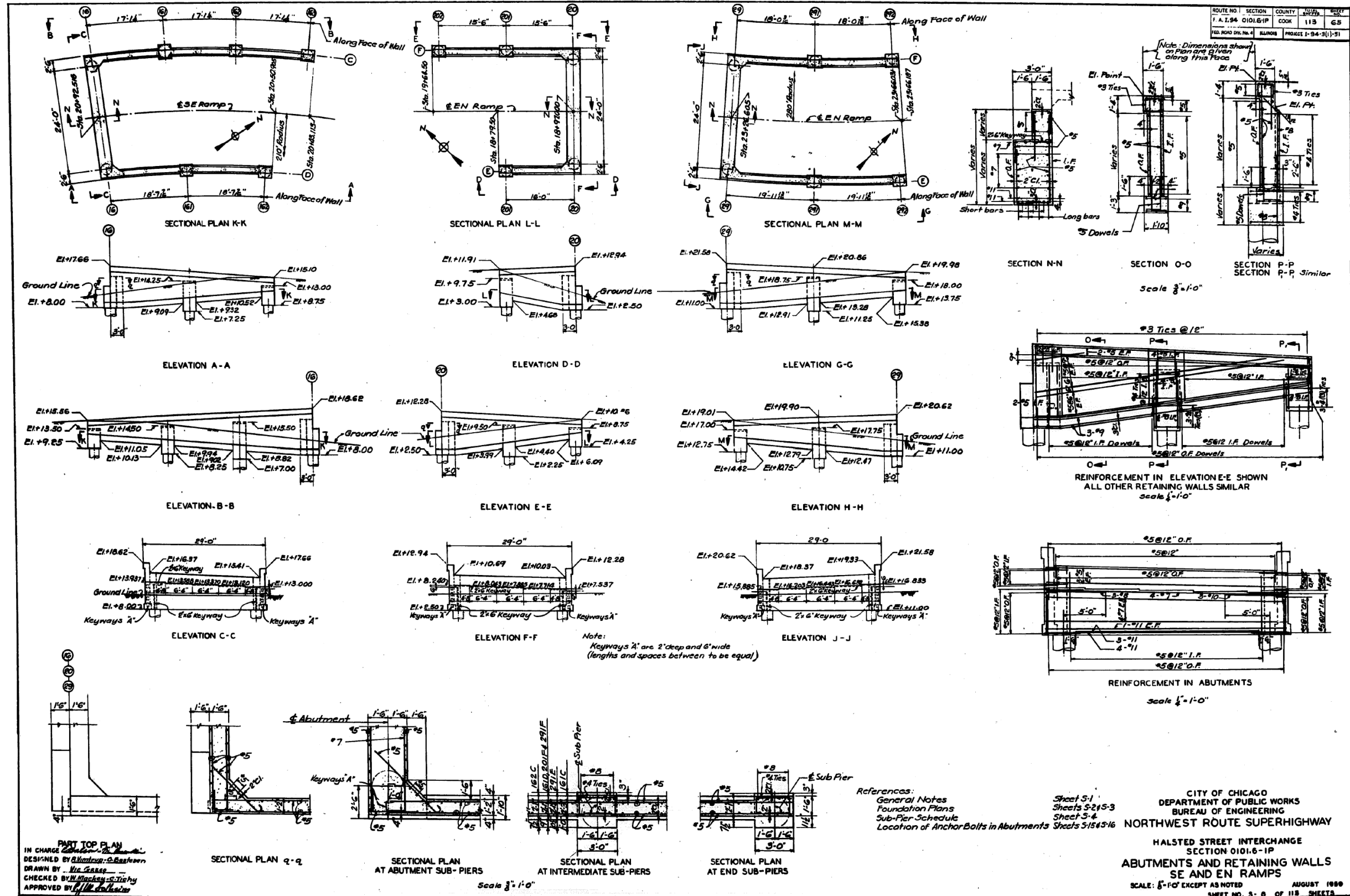
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 DEPARTMENT OF TRANSPORTATION

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				CONTRACT NO. 60X79

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PART TOP PLAN  
IN CHARGE *[Signature]*  
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CHECKED BY *[Signature]*  
APPROVED BY *[Signature]*

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60X79				

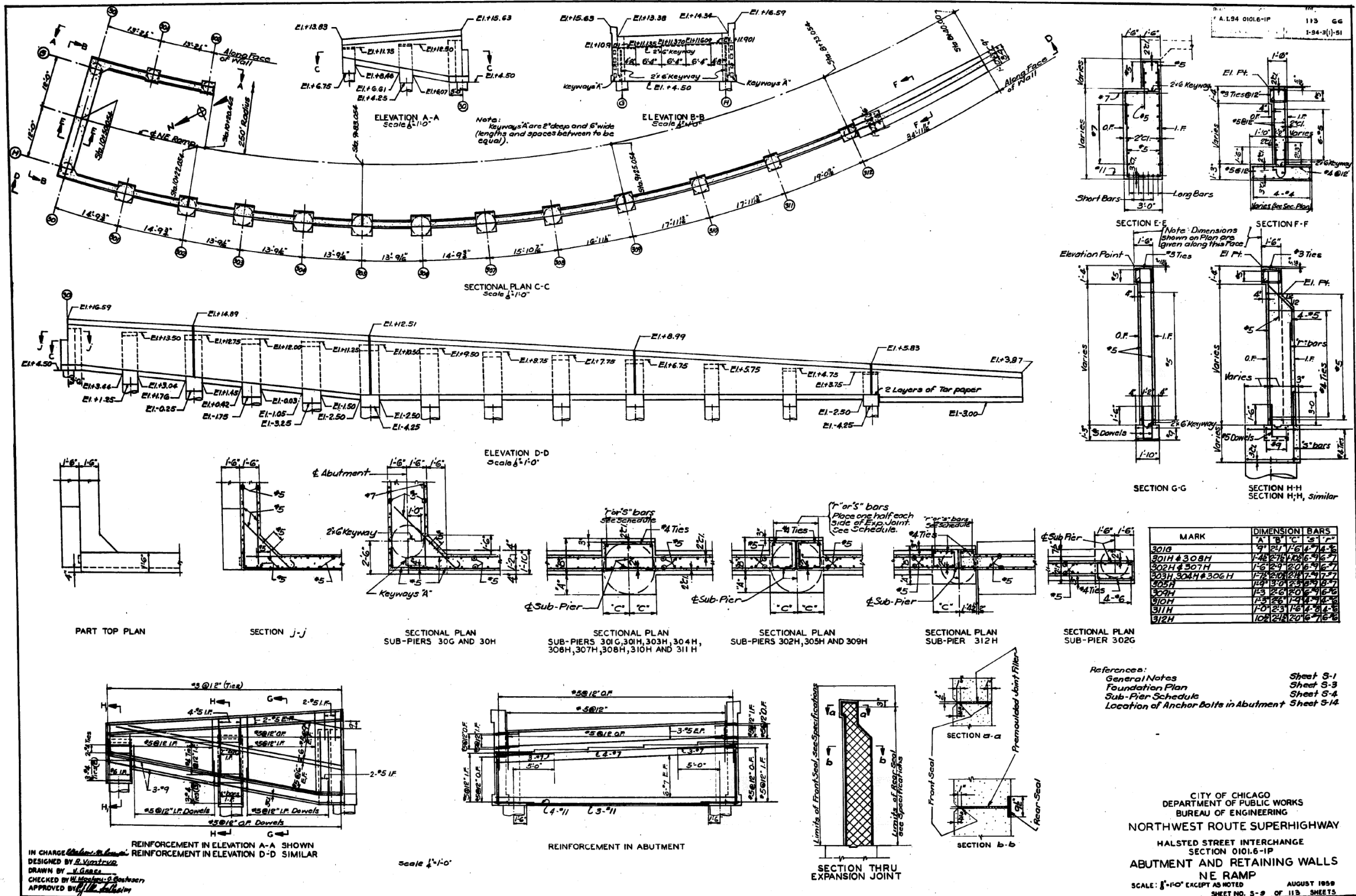
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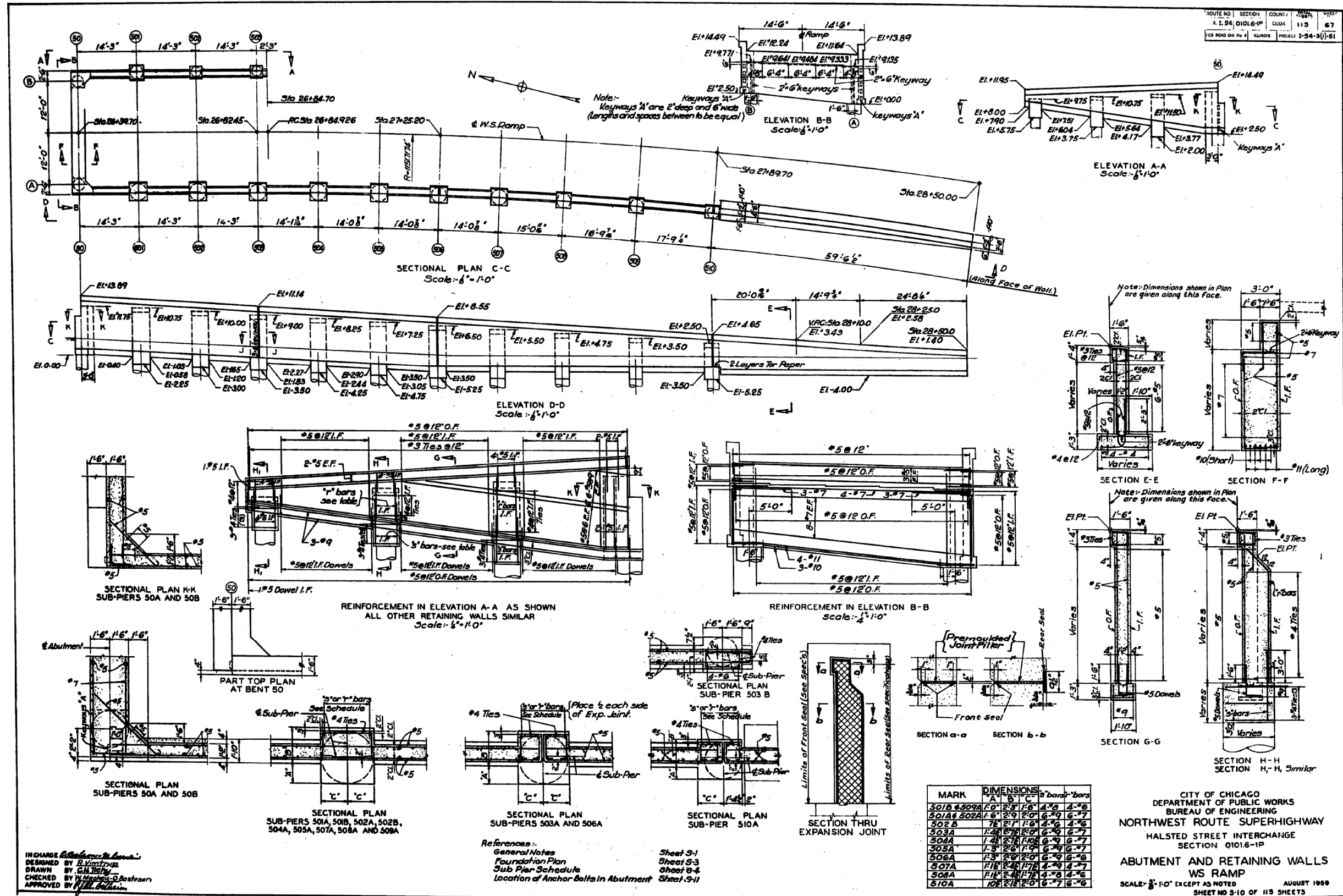
STATE OF ILLINOIS  
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EXISTING RECORD DRAWINGS

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				ILLINOIS FED. AID PROJECT



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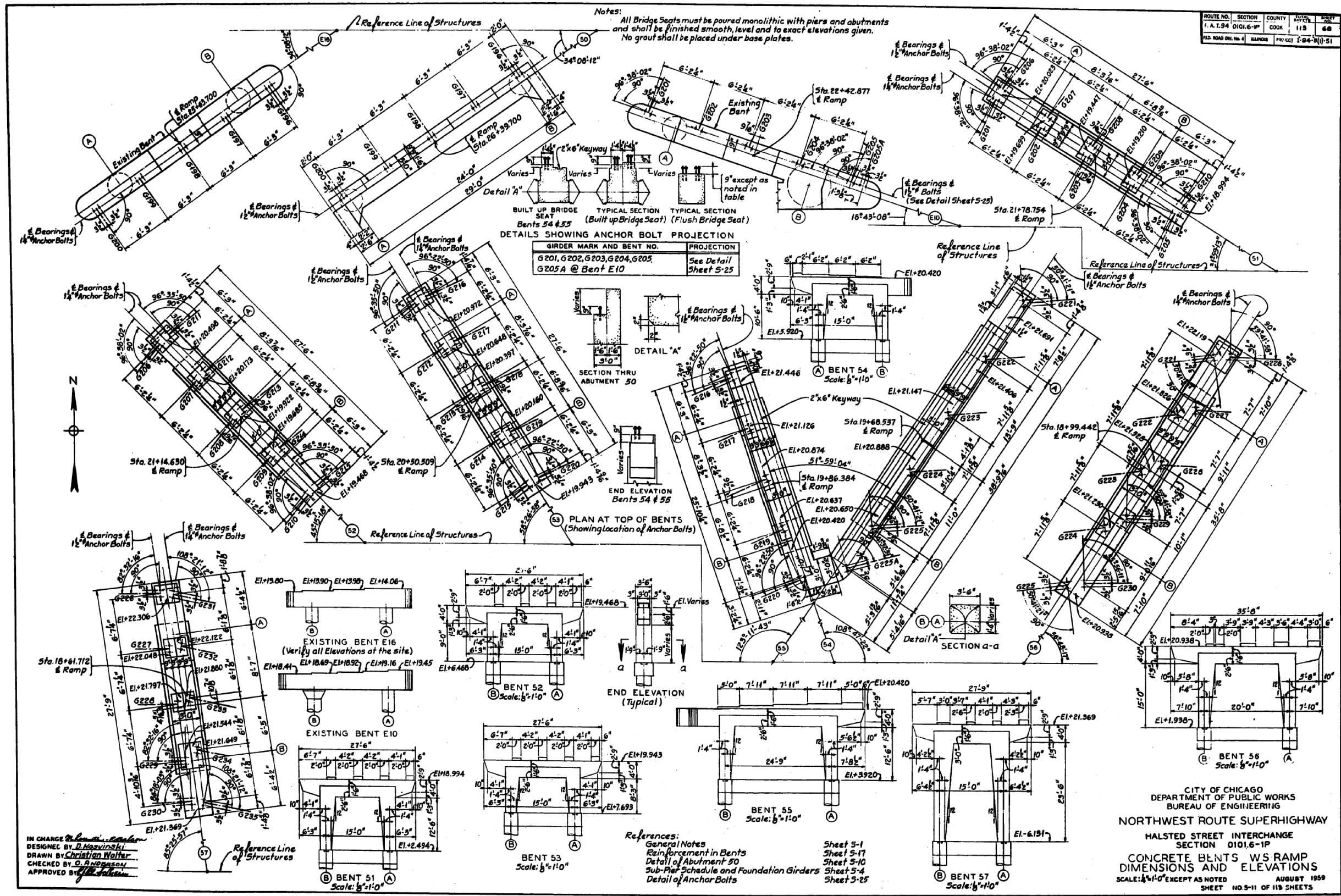
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STATE OF ILLINOIS  
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EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	817
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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FILE NAME: dw:\161749-PWINT-accomline.local\AECOM\_D502\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_74



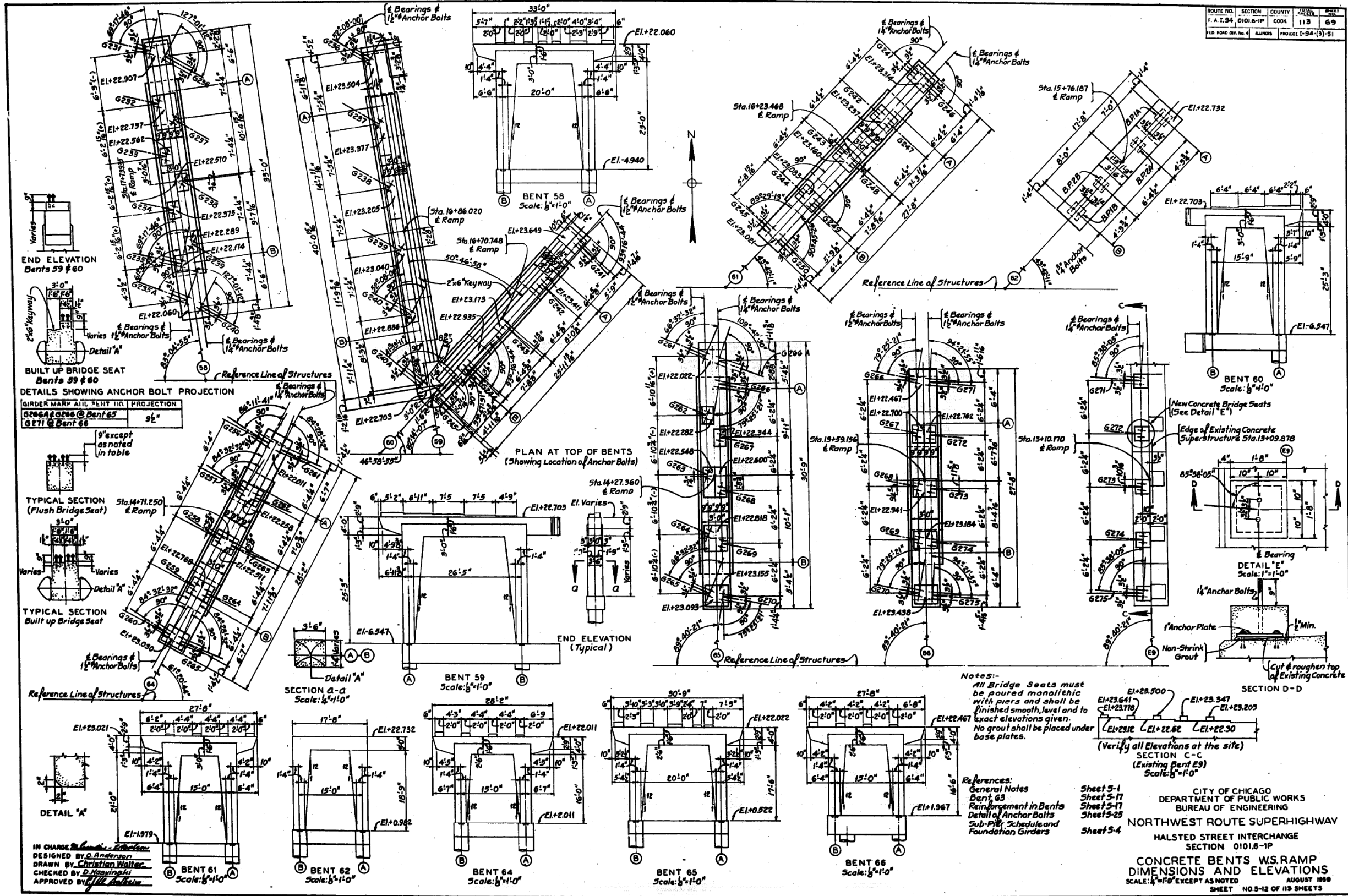
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	818
				CONTRACT NO. 60X79
				ILLINOIS FED. AID PROJECT

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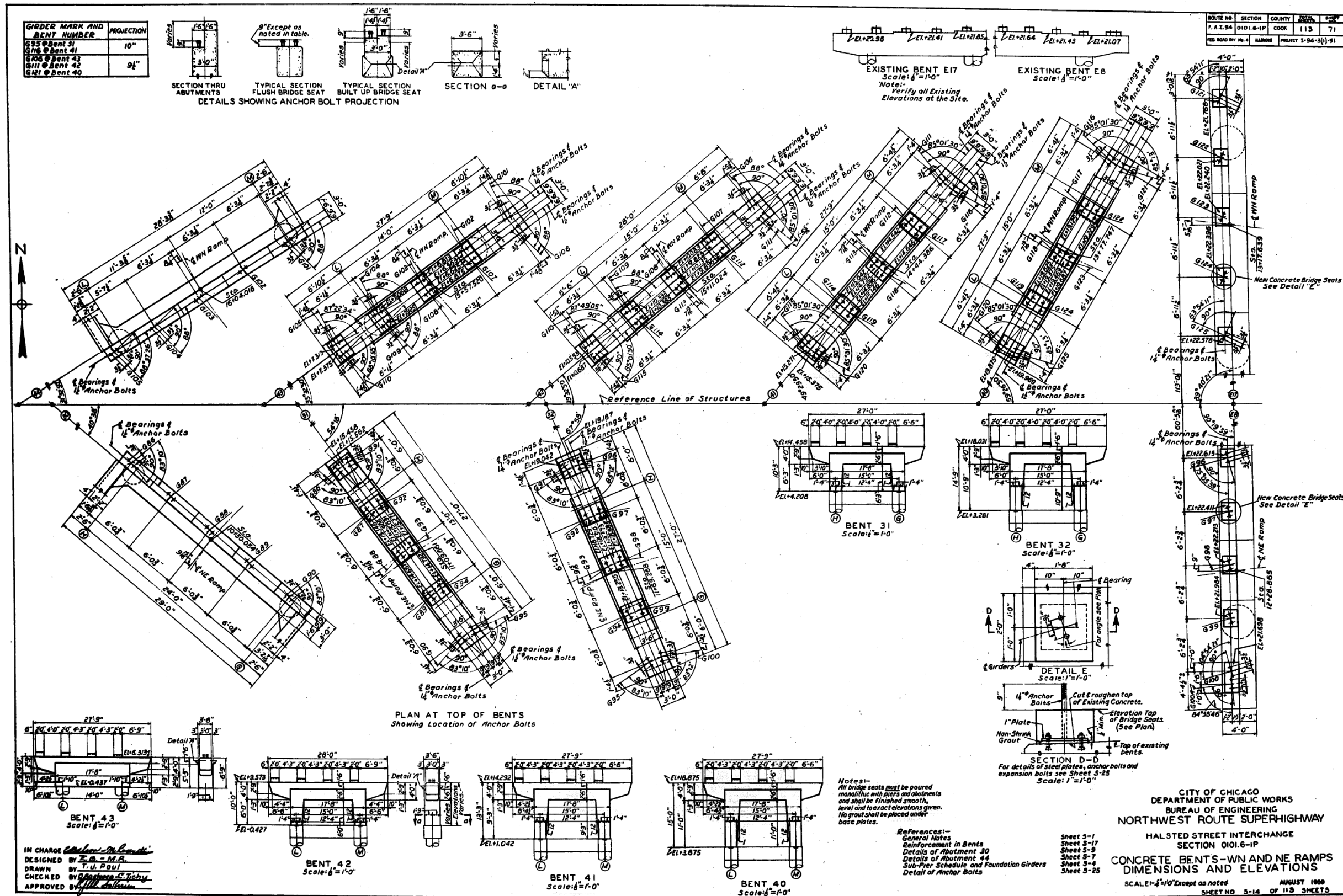
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	819
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



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FILE NAME: D:\V1617479-P\WINT-accomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_1\0000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_77



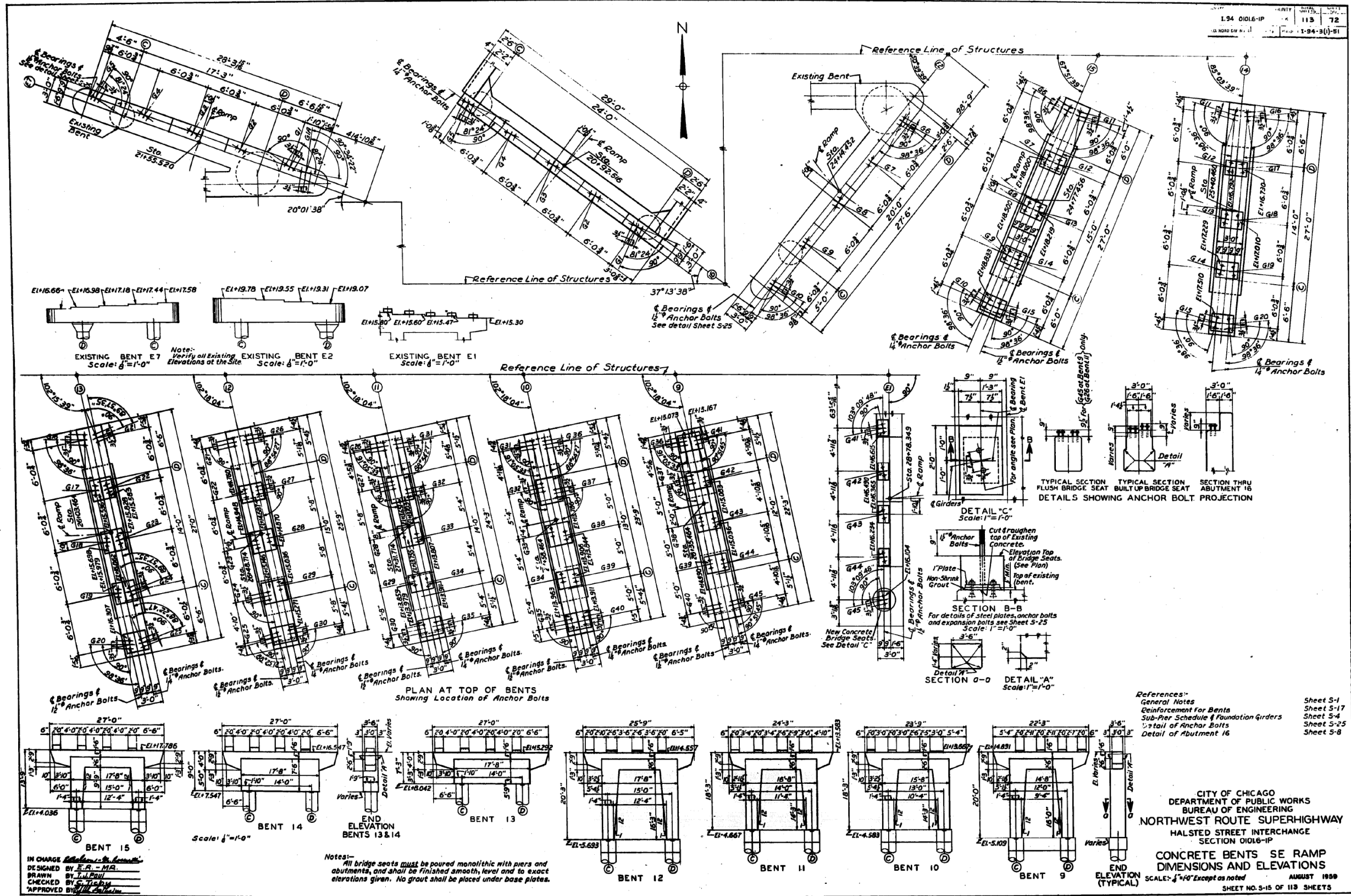
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		REVISOR -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	821
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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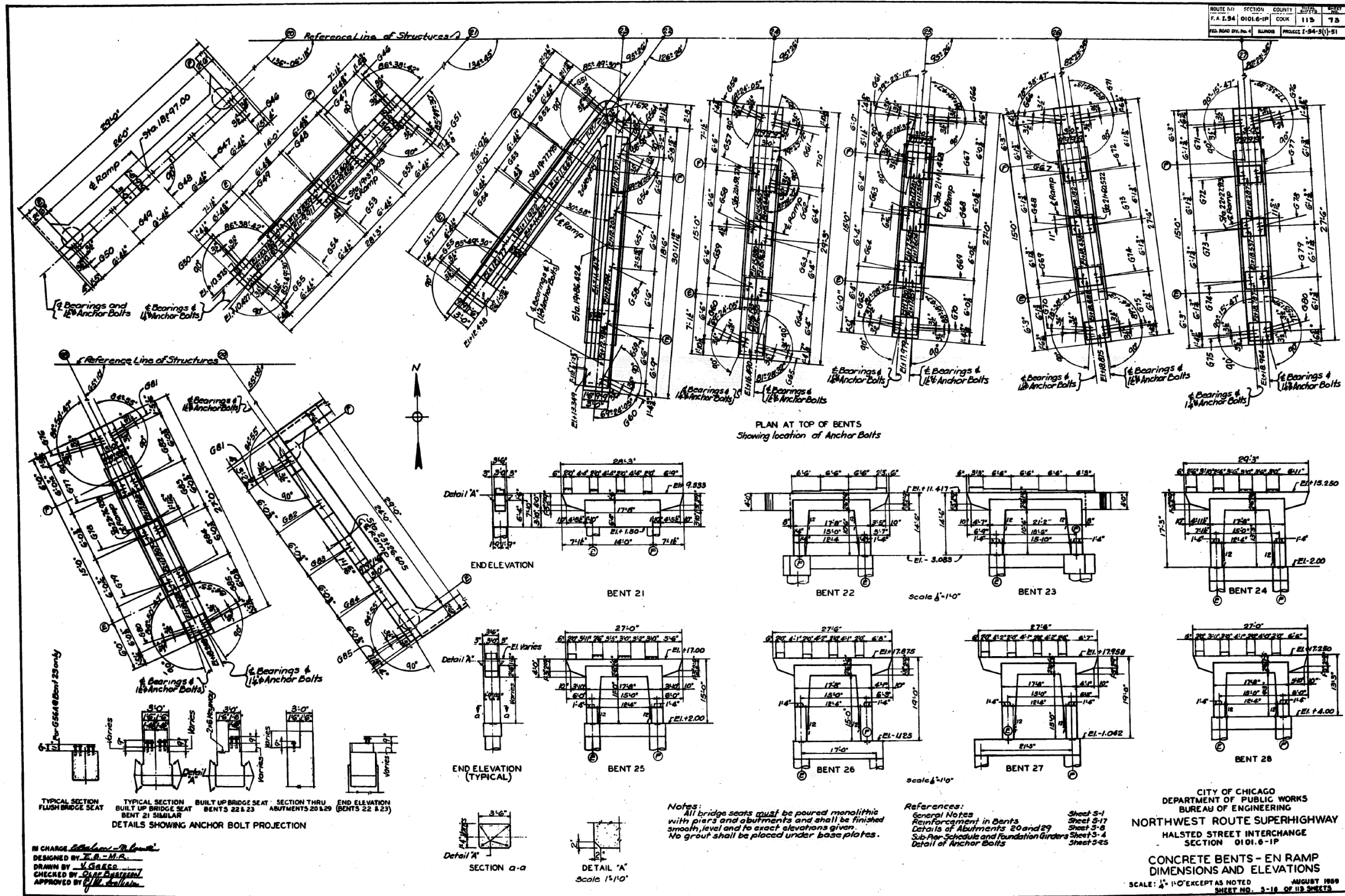
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	822
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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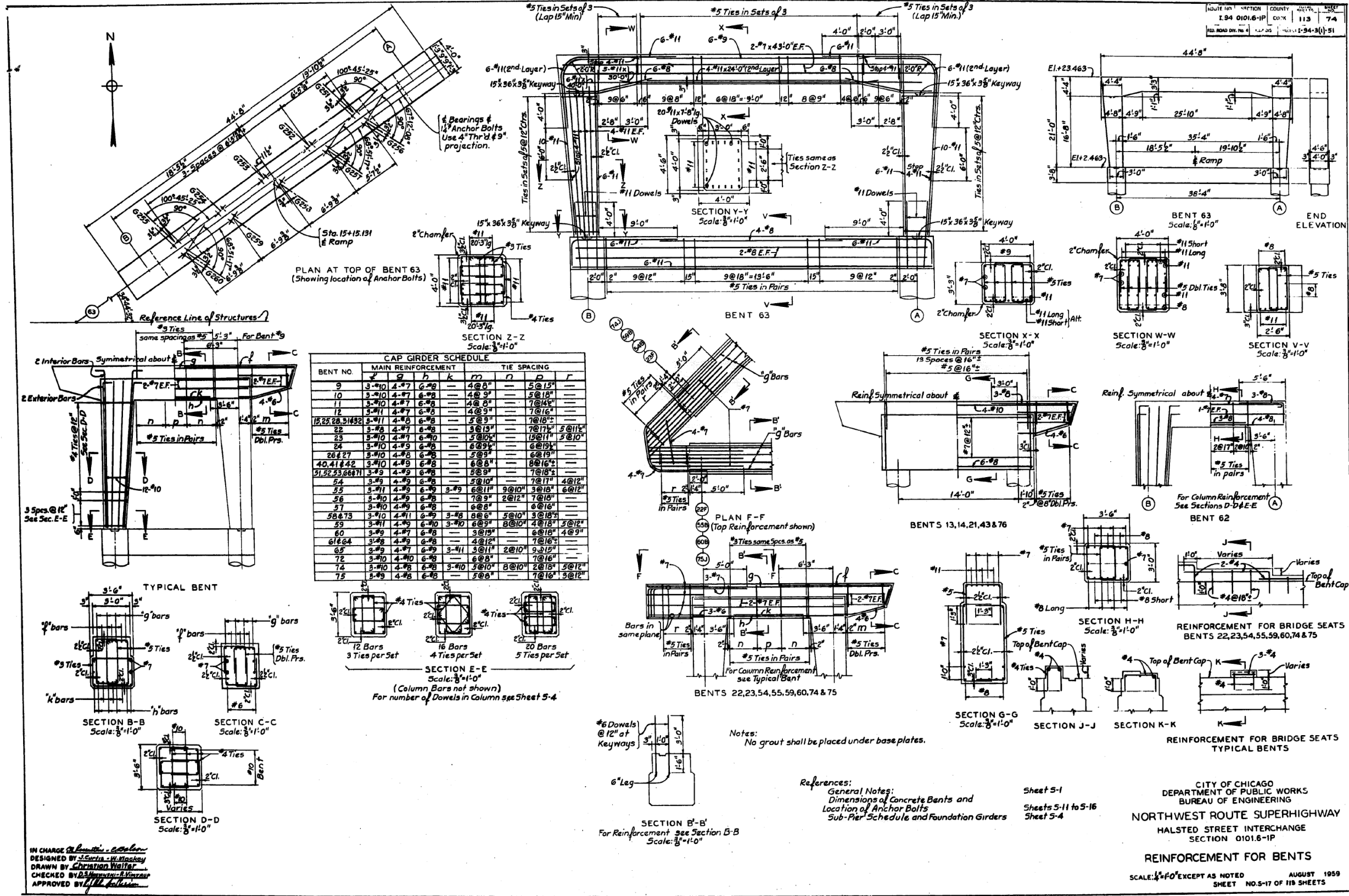
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	823
CONTRACT NO. 60X79				

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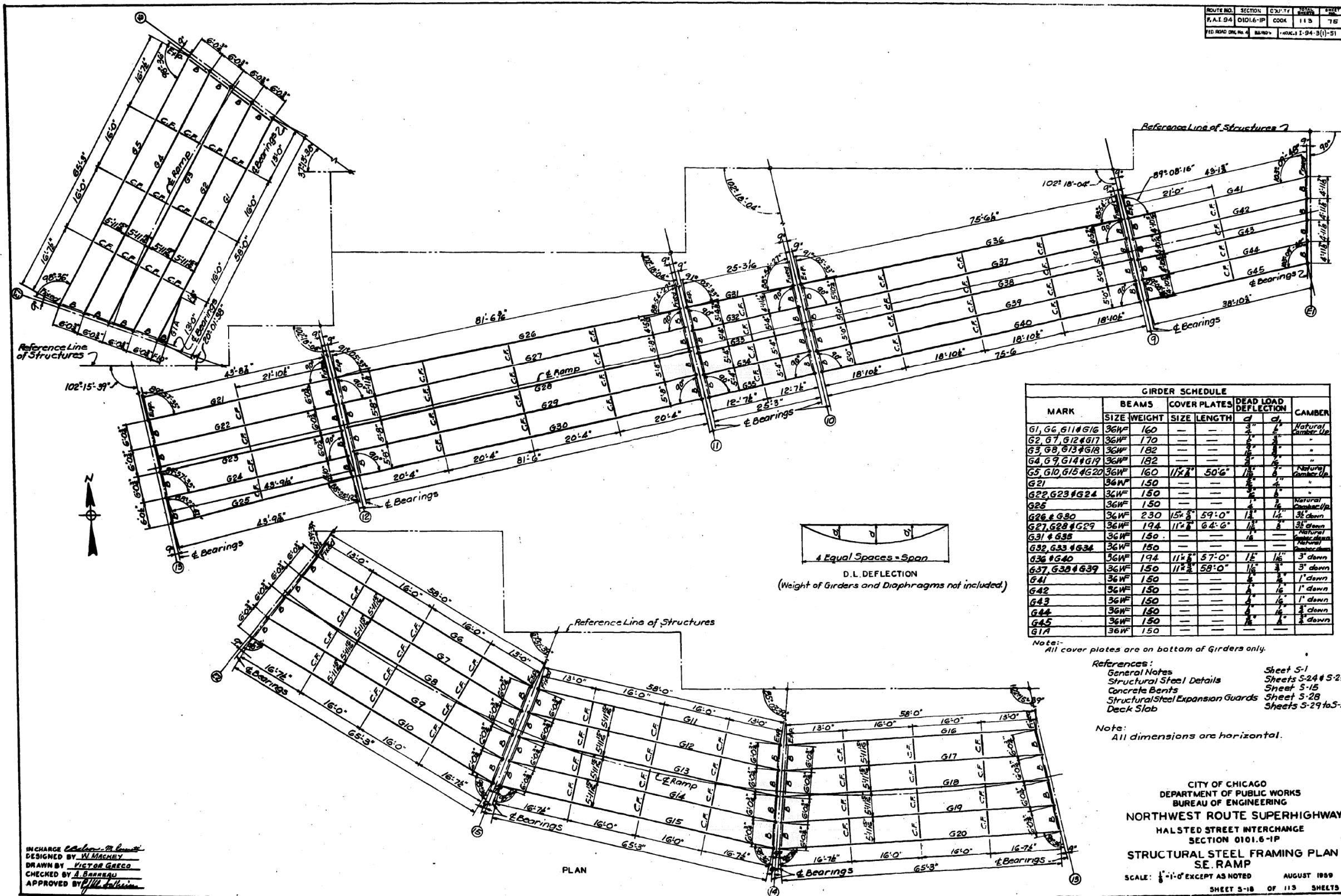
References:  
 General Notes:  
 Dimensions of Concrete Bents and  
 Location of Anchor Bolts  
 Sub-Pier Schedule and Foundation Girders

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
**REINFORCEMENT FOR BENTS**  
 SCALE: 1/4"=1'-0" EXCEPT AS NOTED  
 AUGUST 1959  
 SHEET NO. 5-17 OF 118 SHEETS



# FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P.A.I. 94	0101.6-1P	COOK	113	76
FED. ROAD DIST. NO.	MARK	PROJECT	1-94-3(1)-51	



MARK	BEAMS		COVER PLATES		DEAD LOAD DEFLECTION		CAMBER
	SIZE	WEIGHT	SIZE	LENGTH	C	C'	
G1, G6, G11 & G16	36WF	160	---	---	3"	2"	Natural Camber Up
G2, G7, G12 & G17	36WF	170	---	---	2"	2"	"
G3, G8, G13 & G18	36WF	182	---	---	2"	2"	"
G4, G9, G14 & G19	36WF	182	---	---	2"	2"	"
G5, G10, G15 & G20	36WF	160	11/2"	50'-6"	1/8"	1/8"	Natural Camber Up
G21	36WF	150	---	---	2"	2"	"
G22, G23 & G24	36WF	150	---	---	2"	2"	"
G25	36WF	150	---	---	2"	2"	Natural Camber Up
G26 & G30	36WF	230	15/8"	59'-0"	1 1/2"	1 1/2"	3" down
G27, G28 & G29	36WF	194	11/2"	64'-0"	1 1/2"	1 1/2"	3" down
G31 & G35	36WF	150	---	---	2"	2"	Natural Camber Up
G32, G33 & G34	36WF	150	---	---	2"	2"	Natural Camber Up
G36 & G40	36WF	194	11/2"	57'-0"	1 1/2"	1 1/2"	3" down
G37, G38 & G39	36WF	150	11/2"	58'-0"	1 1/2"	1 1/2"	3" down
G41	36WF	150	---	---	2"	2"	1" down
G42	36WF	150	---	---	2"	2"	1" down
G43	36WF	150	---	---	2"	2"	1" down
G44	36WF	150	---	---	2"	2"	1" down
G45	36WF	150	---	---	2"	2"	1" down
G17	36WF	150	---	---	---	---	"

Note: All cover plates are on bottom of Girders only.

References:  
 General Notes Sheet S-1  
 Structural Steel Details Sheets S-24 & S-25  
 Concrete Bents Sheet S-15  
 Structural/Steel Expansion Guards Sheet S-28  
 Deck Slab Sheets S-29 to S-31

Note: All dimensions are horizontal.

CITY OF CHICAGO  
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 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 STRUCTURAL STEEL FRAMING PLAN  
 SE RAMP  
 SCALE: 1/8" = 1'-0" EXCEPT AS NOTED  
 AUGUST 1989  
 SHEET 3-18 OF 113 SHEETS

IN CHARGE: *Victor Greco*  
 DESIGNED BY: *W. Machey*  
 DRAWN BY: *VICTOR GRECO*  
 CHECKED BY: *A. Barreau*  
 APPROVED BY: *Victor Greco*

FILE NAME: D:\V161749-PWINT-aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\0000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_81



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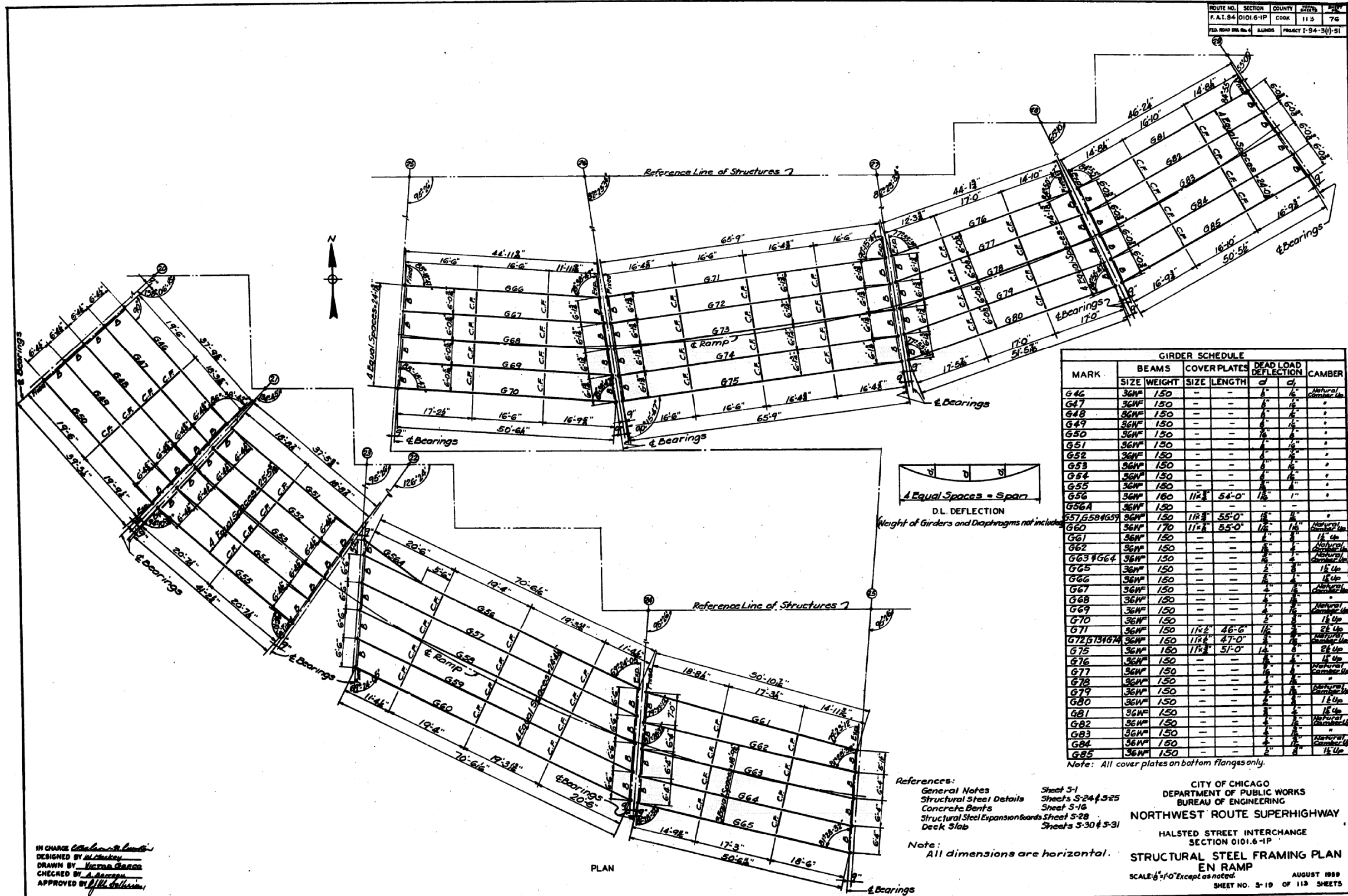
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 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	825
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



IN CHARGE *Victor Garcia*  
 DESIGNED BY *M. Ma*  
 DRAWN BY *Victor Garcia*  
 CHECKED BY *A. Garcia*  
 APPROVED BY *M. Ma*

References:  
 General Notes Sheet 5-1  
 Structural Steel Details Sheets 5-24 & 5-25  
 Concrete Bents Sheet 5-16  
 Structural Steel Expansion Joints Sheet 5-28  
 Deck Slab Sheets 5-30 & 5-31

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
**STRUCTURAL STEEL FRAMING PLAN**  
 EN RAMP  
 SCALE: 1/8" = 1'-0" Except as noted.  
 AUGUST 1989  
 SHEET NO. 3-19 OF 113 SHEETS

Note: All dimensions are horizontal.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

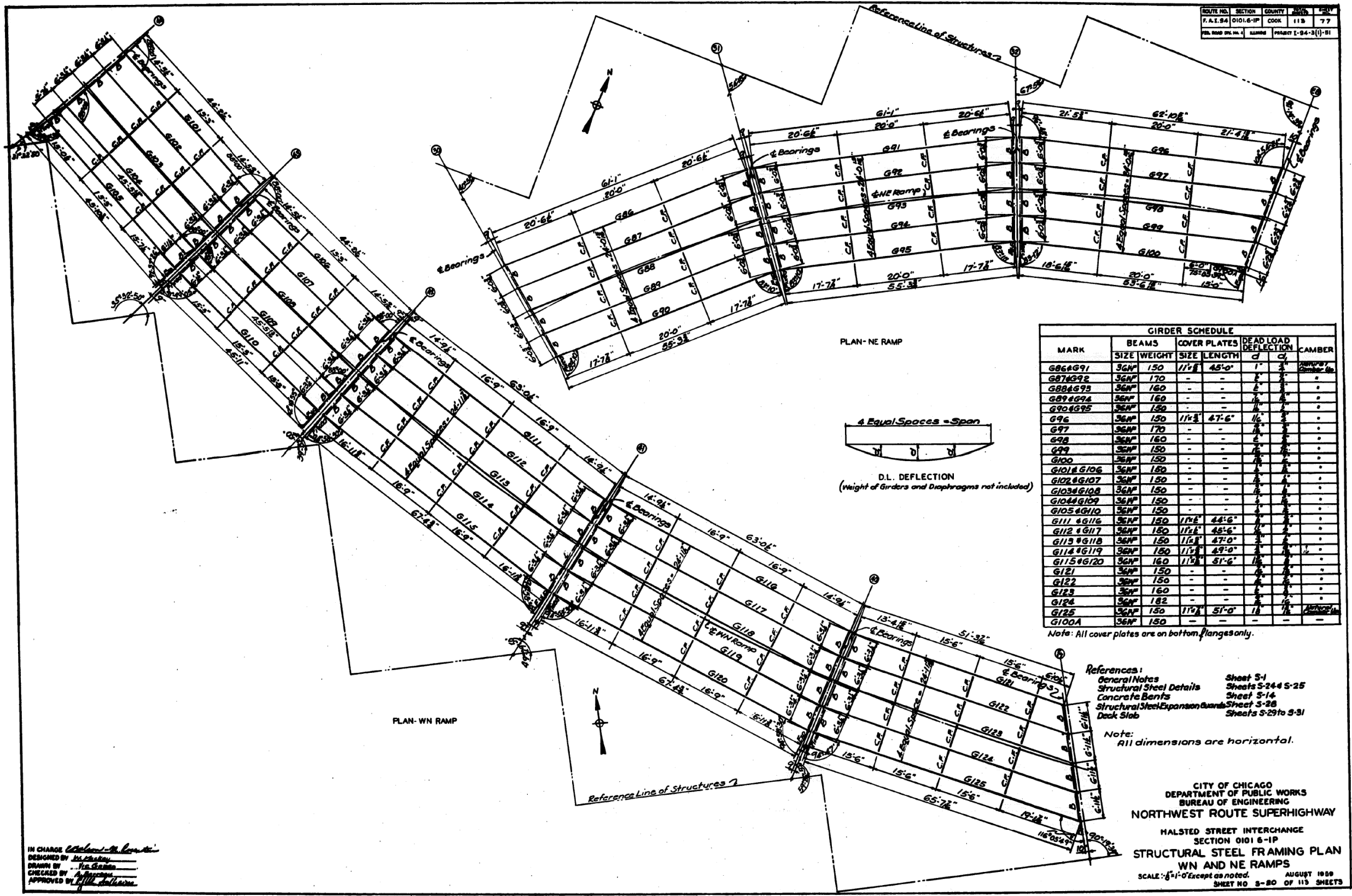
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90/94/290	2014-005R&B	COOK	888	826
CONTRACT NO. 60X79				

**HBM**  
 ENGINEERING GROUP, LLC

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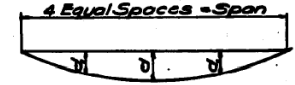
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ROUTE NO.	SECTION	COUNTY	SHEET	OF
F.A.I. 94	0101-6-1P	COOK	118	77
REL. ROAD DIST. NO.	MARKING	PROJECT	[94-3(1)-81	

MARK	BEAMS		COVER PLATES		DEAD LOAD DEFLECTION		CAMBER
	SIZE	WEIGHT	SIZE	LENGTH	d	c	
G86&G91	36N	150	11/2"	45'-0"	1"	3"	0.00
G87&G92	36N	170	-	-	-	-	0.00
G88&G93	36N	160	-	-	-	-	0.00
G89&G94	36N	160	-	-	-	-	0.00
G90&G95	36N	150	-	-	-	-	0.00
G96	36N	150	11/2"	47'-6"	1/2"	1/2"	0.00
G97	36N	170	-	-	-	-	0.00
G98	36N	160	-	-	-	-	0.00
G99	36N	150	-	-	-	-	0.00
G100	36N	150	-	-	-	-	0.00
G101&G106	36N	180	-	-	-	-	0.00
G102&G107	36N	150	-	-	-	-	0.00
G103&G108	36N	150	-	-	-	-	0.00
G104&G109	36N	150	-	-	-	-	0.00
G105&G110	36N	150	-	-	-	-	0.00
G111 & G116	36N	150	11/2"	44'-6"	1/2"	1/2"	0.00
G112 & G117	36N	180	11/2"	46'-6"	1/2"	1/2"	0.00
G113 & G118	36N	150	11/2"	47'-0"	1/2"	1/2"	0.00
G114 & G119	36N	150	11/2"	49'-0"	1/2"	1/2"	0.00
G115 & G120	36N	160	11/2"	51'-6"	1/2"	1/2"	0.00
G121	36N	150	-	-	-	-	0.00
G122	36N	150	-	-	-	-	0.00
G123	36N	160	-	-	-	-	0.00
G124	36N	182	-	-	-	-	0.00
G125	36N	150	11/2"	51'-0"	1/2"	1/2"	0.00
G100A	36N	150	-	-	-	-	0.00

PLAN - NE RAMP



D.L. DEFLECTION  
(Height of Girders and Diaphragms not included)

Note: All cover plates are on bottom flanges only.

- References:
- General Notes Sheet S-1
  - Structural Steel Details Sheets S-24 S-25
  - Concrete Bents Sheet S-14
  - Structural Steel Expansion Guards Sheet S-28
  - Deck Slab Sheets S-29 to S-31

Note: All dimensions are horizontal.

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NORTHWEST ROUTE SUPERHIGHWAY  
HALSTED STREET INTERCHANGE  
SECTION 0101 6-1P  
STRUCTURAL STEEL FRAMING PLAN  
WN AND NE RAMP  
SCALE: 1/8" = 1'-0" Except as noted. AUGUST 1998  
SHEET NO. 8-80 OF 113 SHEETS

IN CHARGE: *[Signature]*  
DESIGNED BY: *[Signature]*  
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APPROVED BY: *[Signature]*

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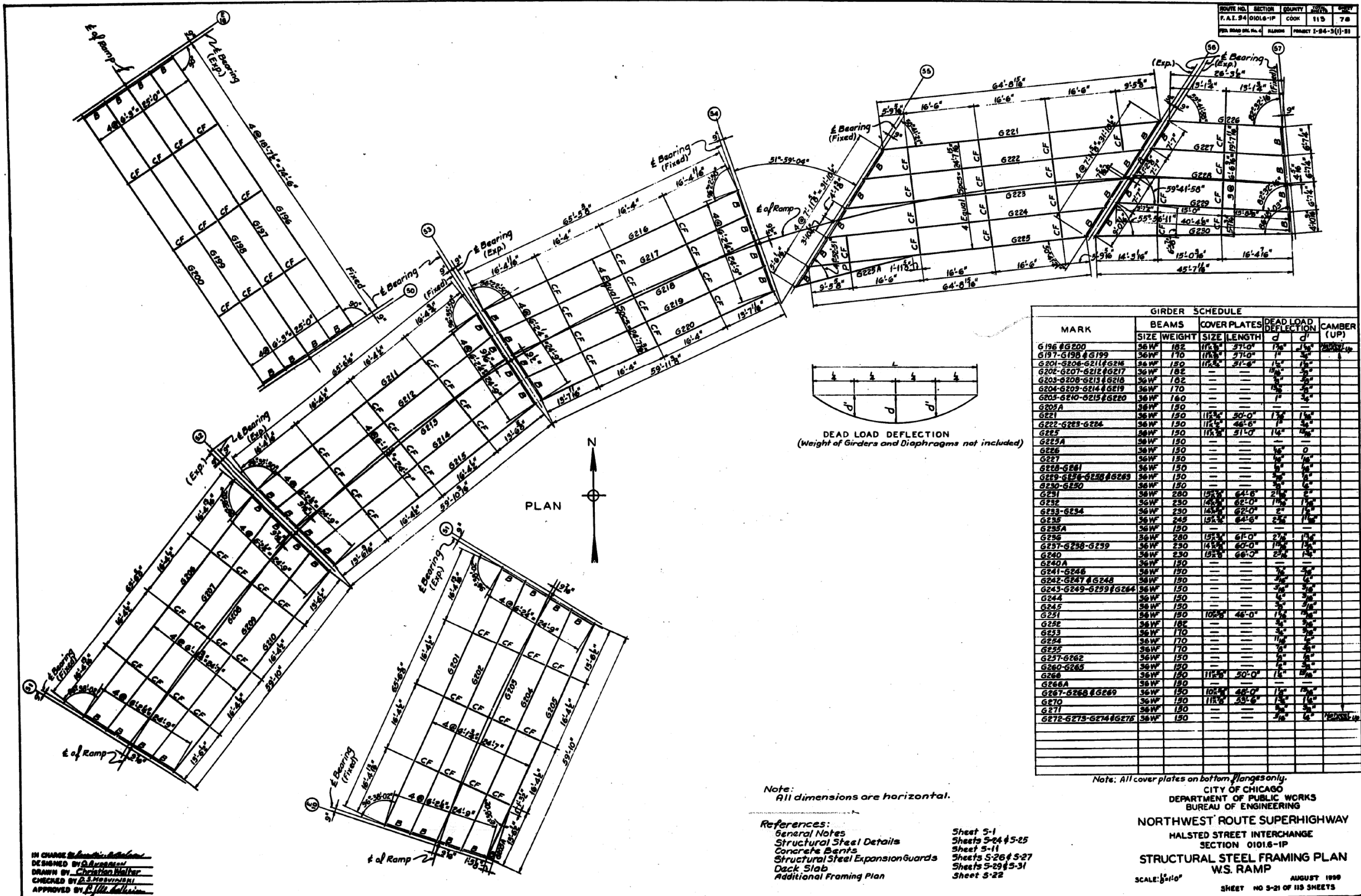
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EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	827
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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 APPROVED BY: *[Signature]*

Note:  
 All dimensions are horizontal.

References:  
 General Notes  
 Structural Steel Details  
 Concrete Beams  
 Structural Steel Expansion Guards  
 Deck Slab  
 Additional Framing Plan

Sheet 5-1  
 Sheets 5-24 & 5-25  
 Sheet 5-11  
 Sheets 5-26 & 5-27  
 Sheets 5-29 & 5-31  
 Sheet 5-22

Note: All cover plates on bottom flanges only.

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NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 STRUCTURAL STEEL FRAMING PLAN  
 W.S. RAMP

SCALE: 1/8"=1'-0"  
 AUGUST 1999  
 SHEET NO 5-21 OF 113 SHEETS



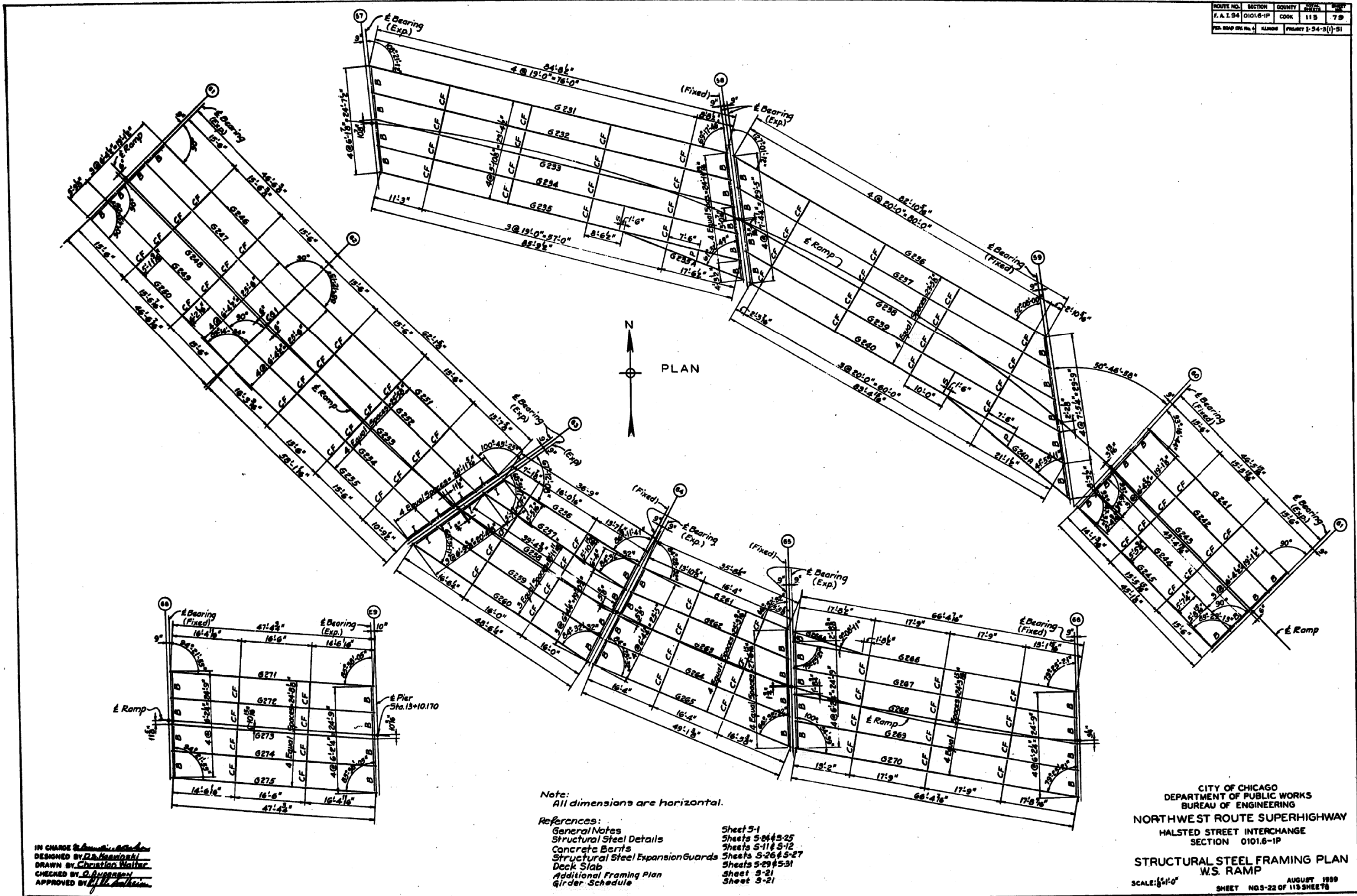
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EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	828
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

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 APPROVED BY *[Signature]*

Note:  
 All dimensions are horizontal.

- References:
- General Notes Sheet 3-1
  - Structural Steel Details Sheets 5-24 & 5-25
  - Concrete Bents Sheets 5-11 & 5-12
  - Structural Steel Expansion Guards Sheets 5-26 & 5-27
  - Deck Slab Sheets 5-29 & 5-31
  - Additional Framing Plan Sheet 3-21
  - Girder Schedule Sheet 3-21

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 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
**STRUCTURAL STEEL FRAMING PLAN**  
**W.S. RAMP**  
 SCALE: 1/8"=1'-0" AUGUST 1989  
 SHEET NO. 3-22 OF 118 SHEETS

FILE NAME: D:\V1617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\0000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_85



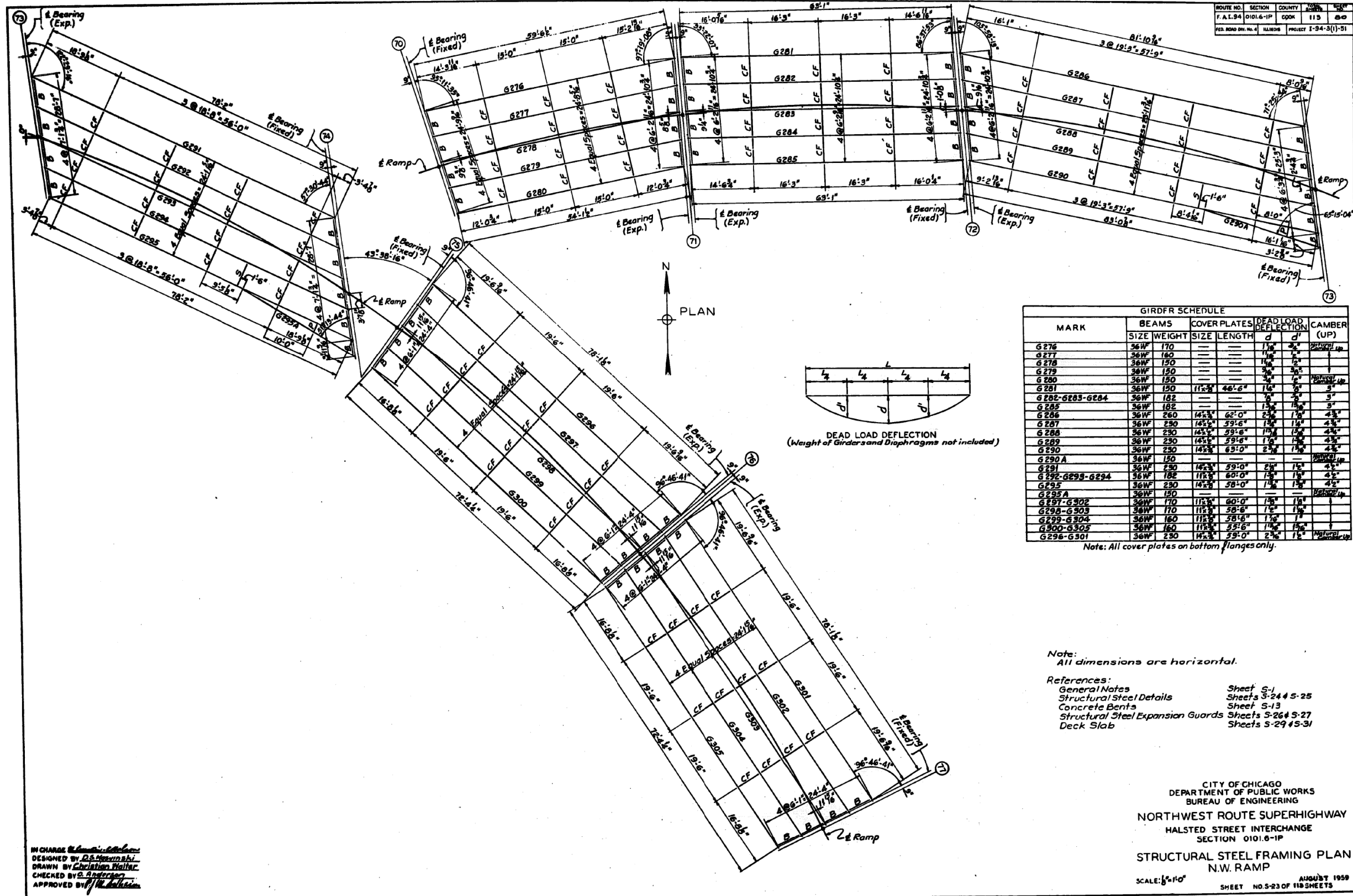
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EXISTING RECORD DRAWINGS

F.A.I. RTE. 90/94/290	SECTION 2014-005R&B	COUNTY COOK	TOTAL SHEETS 888	SHEET NO. 829
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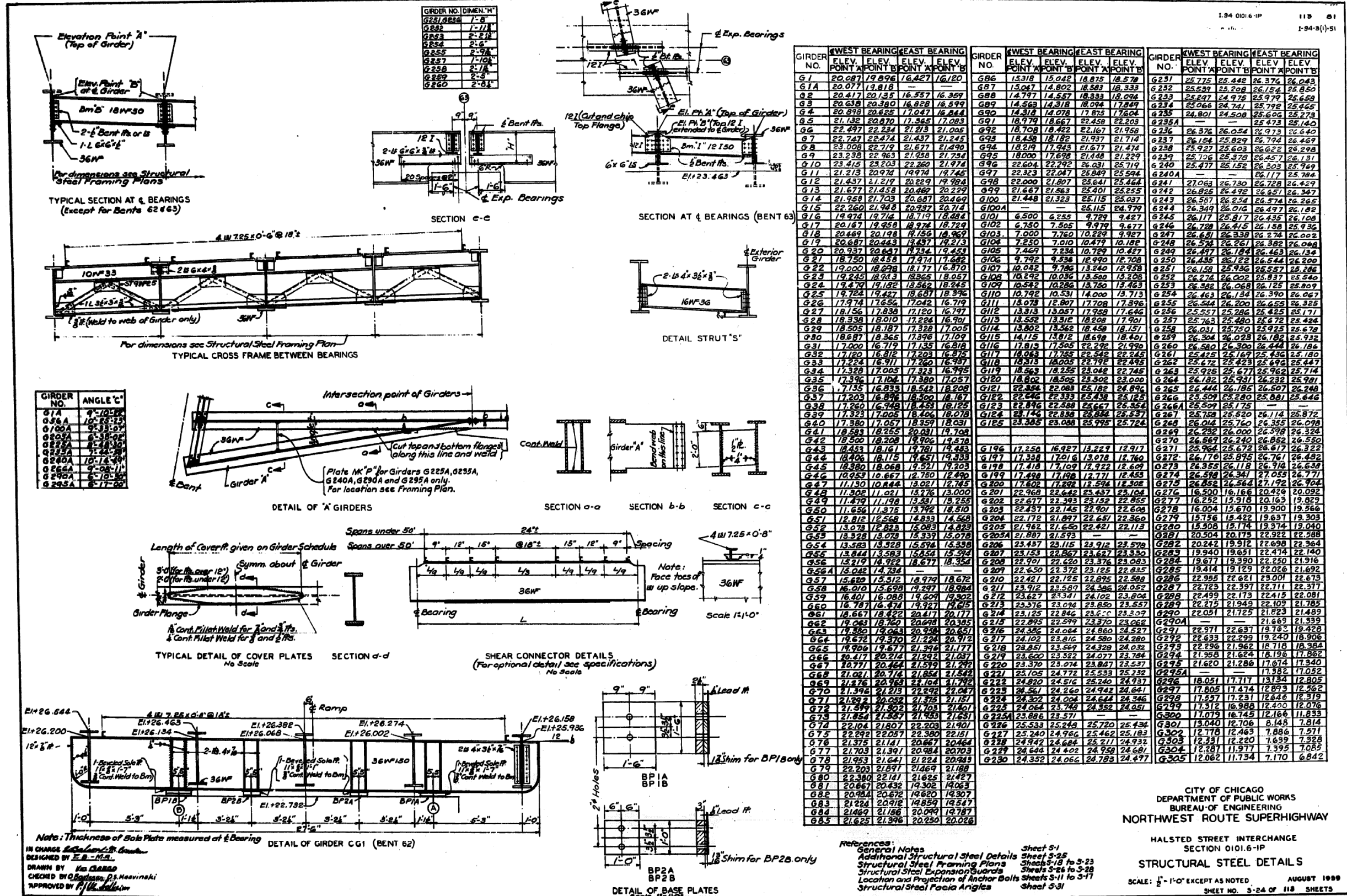
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	830
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 STRUCTURAL STEEL DETAILS  
 SCALE: 1/4" = 1'-0" EXCEPT AS NOTED. AUGUST 1989  
 SHEET NO. 3-24 OF 118 SHEETS

FILE NAME: dw:\617479-PWINT-accomline.local\AECOM\_D502\_NAYDocuments\01\_Americas\Transportation\6026938\_CirclePhase\I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5x-Existing\_87



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

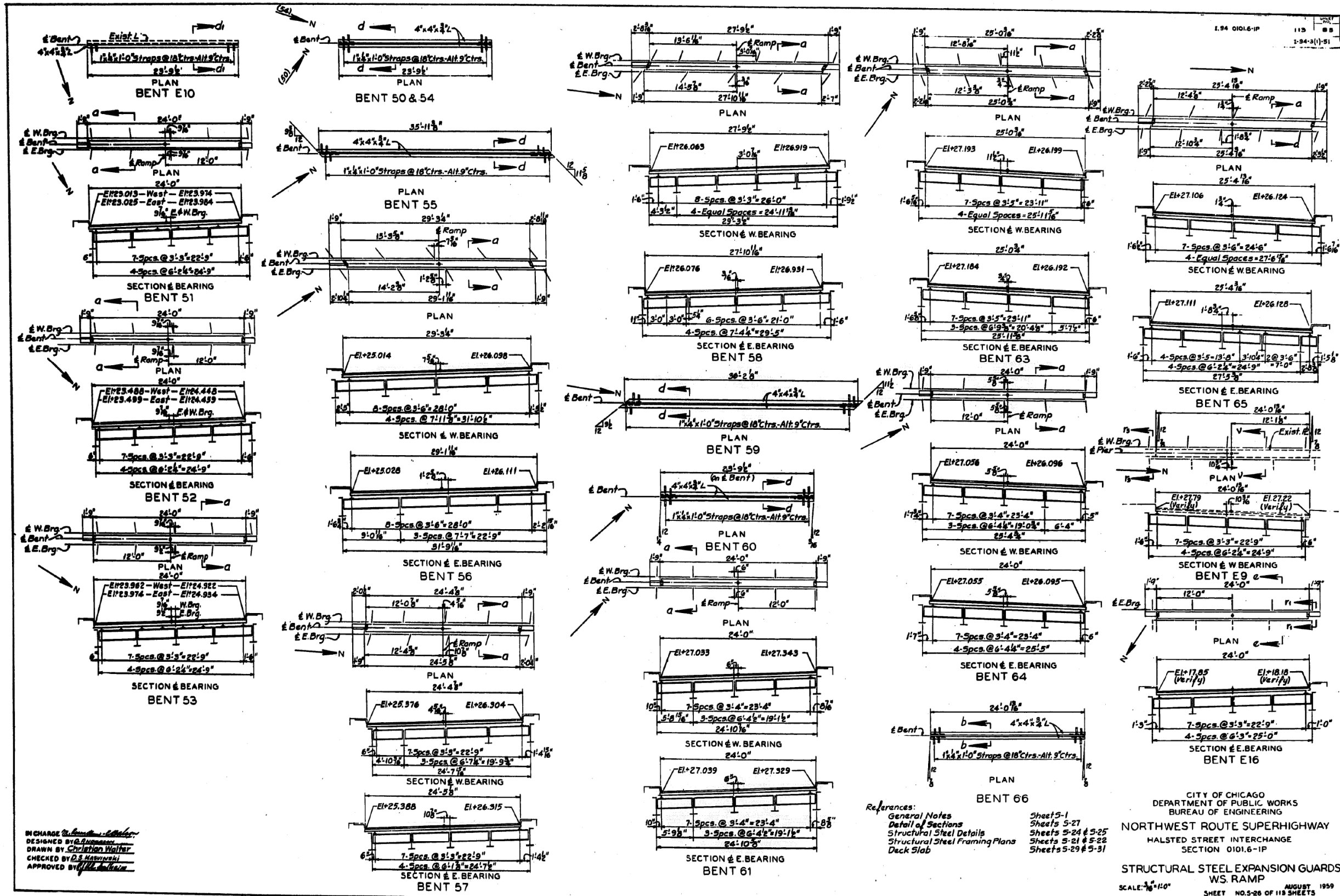
EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	831
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				





# FOR INFORMATION ONLY



IN CHARGE: *[Signature]*  
 DESIGNED BY: *[Signature]*  
 DRAWN BY: *[Signature]*  
 CHECKED BY: *[Signature]*  
 APPROVED BY: *[Signature]*

References:  
 General Notes  
 Detail of Sections  
 Structural Steel Details  
 Structural Steel Framing Plans  
 Deck Slab

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 STRUCTURAL STEEL EXPANSION GUARDS  
 W.S. RAMP  
 SCALE: 3/8" = 1'-0"  
 SHEET NO. 5-26 OF 113 SHEETS  
 AUGUST 1959

FILE NAME: dw:\1617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_89



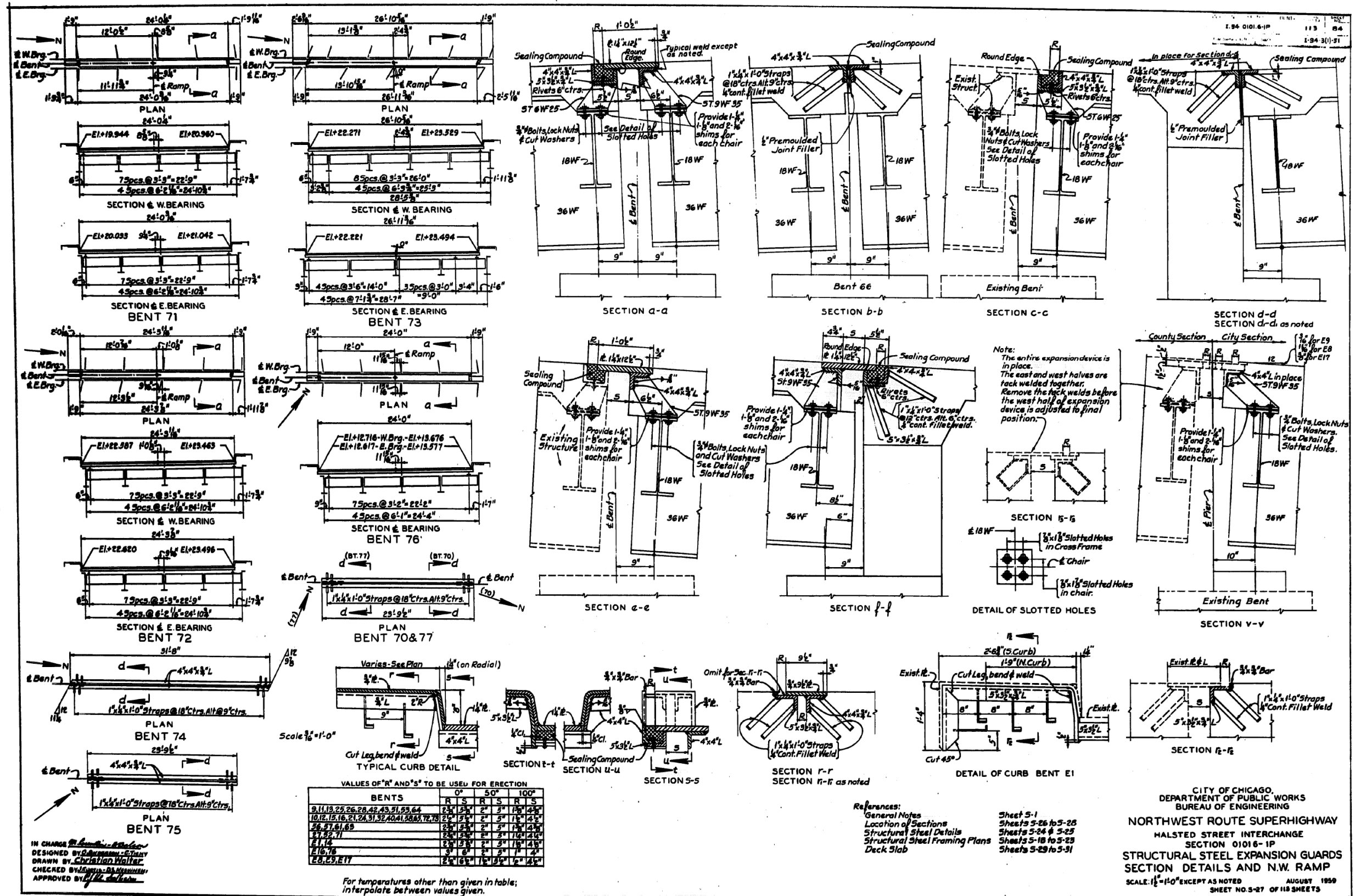
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PLOT DATE =	7/26/2018	DRAWN -		REVISED -	
		CHECKED -	MI, MAI	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	833
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



IN CHARGE: *[Signature]*  
 DESIGNED BY: *[Signature]*  
 DRAWN BY: *[Signature]*  
 CHECKED BY: *[Signature]*  
 APPROVED BY: *[Signature]*

References:  
 General Notes  
 Location of Sections  
 Structural Steel Details  
 Structural Steel Framing Plans  
 Deck Slab

Sheet S-1  
 Sheets S-26 to S-28  
 Sheets S-24 & S-25  
 Sheets S-18 to S-23  
 Sheets S-29 to S-31

CITY OF CHICAGO,  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 01016-1P  
 STRUCTURAL STEEL EXPANSION GUARDS  
 SECTION DETAILS AND N.W. RAMP  
 SCALE: 1/2"=1'-0" EXCEPT AS NOTED  
 AUGUST 1959  
 SHEET NO. S-27 OF 118 SHEETS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	834

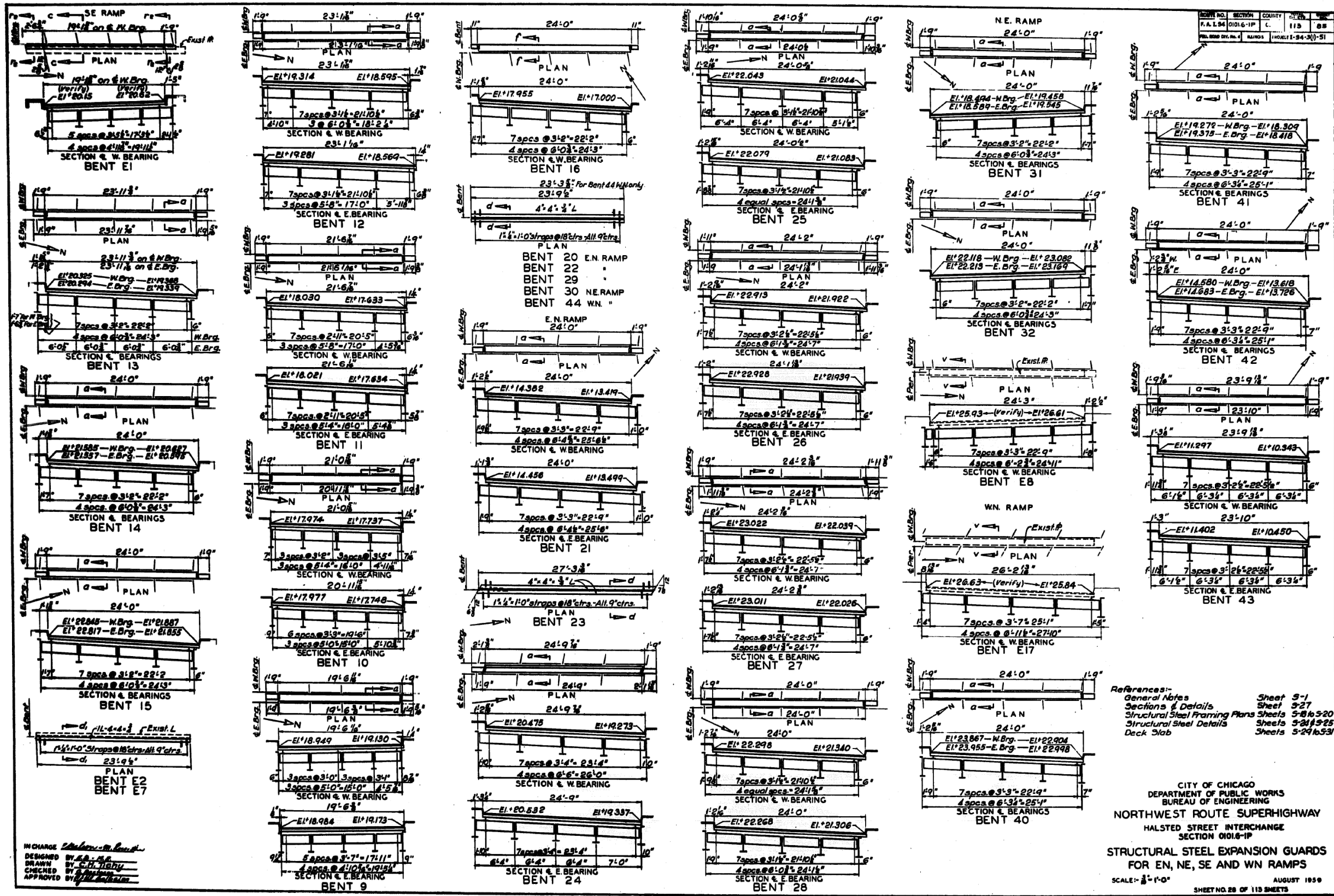
CONTRACT NO. 60X79



USER NAME	DESIGNED	REVISION
ahmad,issa	-	-
Checked	-	-
Drawn	-	-
MI, MAI	-	-

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# FOR INFORMATION ONLY



References:-  
 General Notes Sheet 5-1  
 Sections & Details Sheet 5-27  
 Structural Steel Framing Plans Sheets 5-8 to 5-20  
 Structural Steel Details Sheets 5-21 to 5-25  
 Deck Slab Sheets 5-26 to 5-31

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 01016-1P  
 STRUCTURAL STEEL EXPANSION GUARDS  
 FOR EN, NE, SE AND WN RAMPS  
 SCALE: 3/8" = 1'-0"  
 AUGUST 1959  
 SHEET NO. 28 OF 119 SHEETS

FILE NAME: p:\v161749-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\I1000\_CAD\008\_Structural\Plans\016-1712-Existing\_Structure\_016-1712-60X79-5X-Existing\_91



DESIGNED BY: A.H. Ahmad  
 DRAWN BY: M. MAI  
 CHECKED BY: M. MAI  
 APPROVED BY: M. MAI

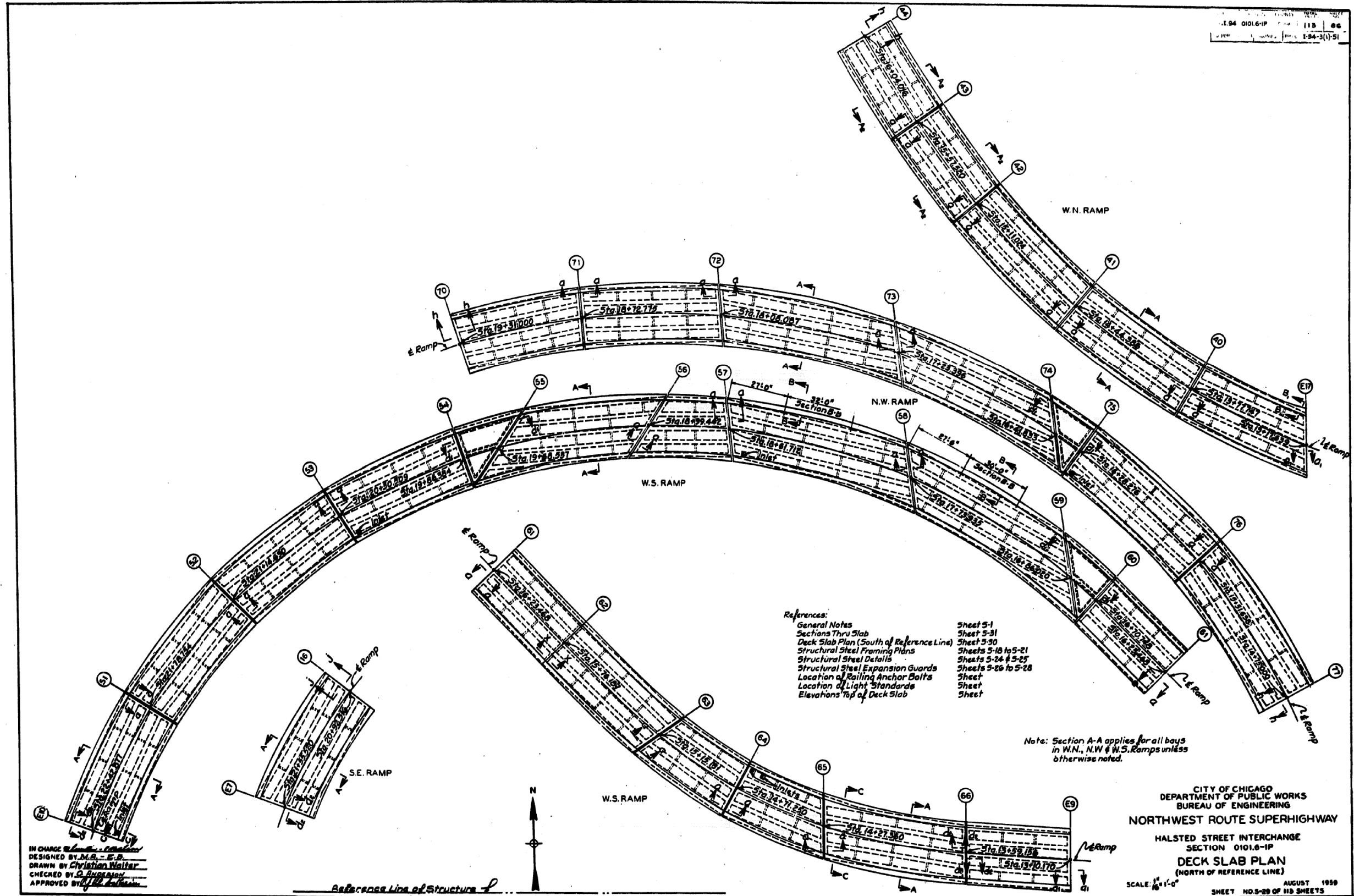
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PLOT DATE =	7/26/2018	DRAWN -		REVISED -	
		CHECKED -	MI, MAI	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	835
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



IN CHARGE *[Signature]*  
 DESIGNED BY D.A. - E.B.  
 DRAWN BY Christian Walter  
 CHECKED BY G. Anderson  
 APPROVED BY *[Signature]*

Reference Line of Structure

FILE NAME: DWG:\617479-PWINT-aecom\line\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_92



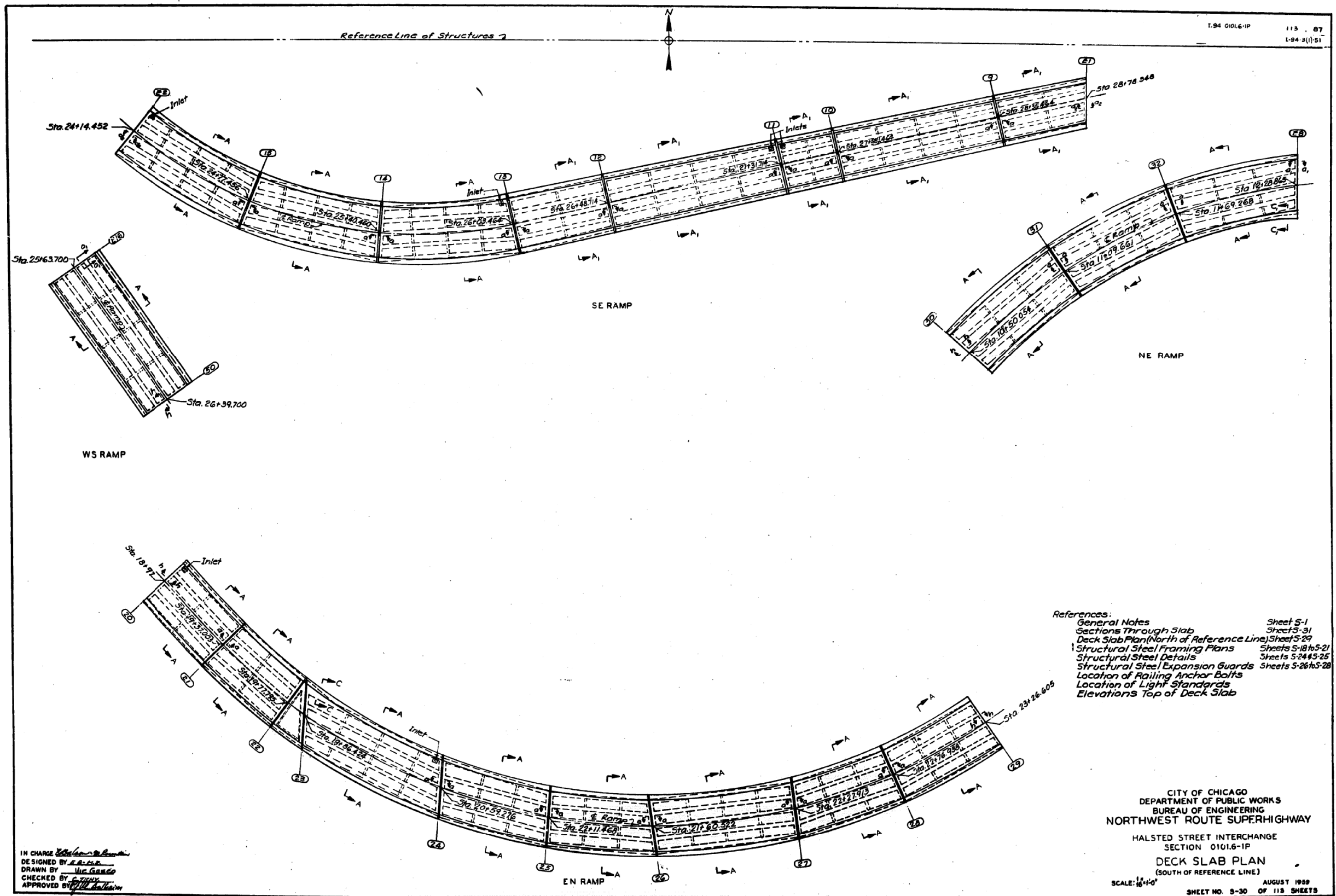
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PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	836
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



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USER NAME = ahmad,issa	DESIGNED -	REVISED -
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PLOT DATE = 7/26/2018	DRAWN - MI, MAI	REVISED -
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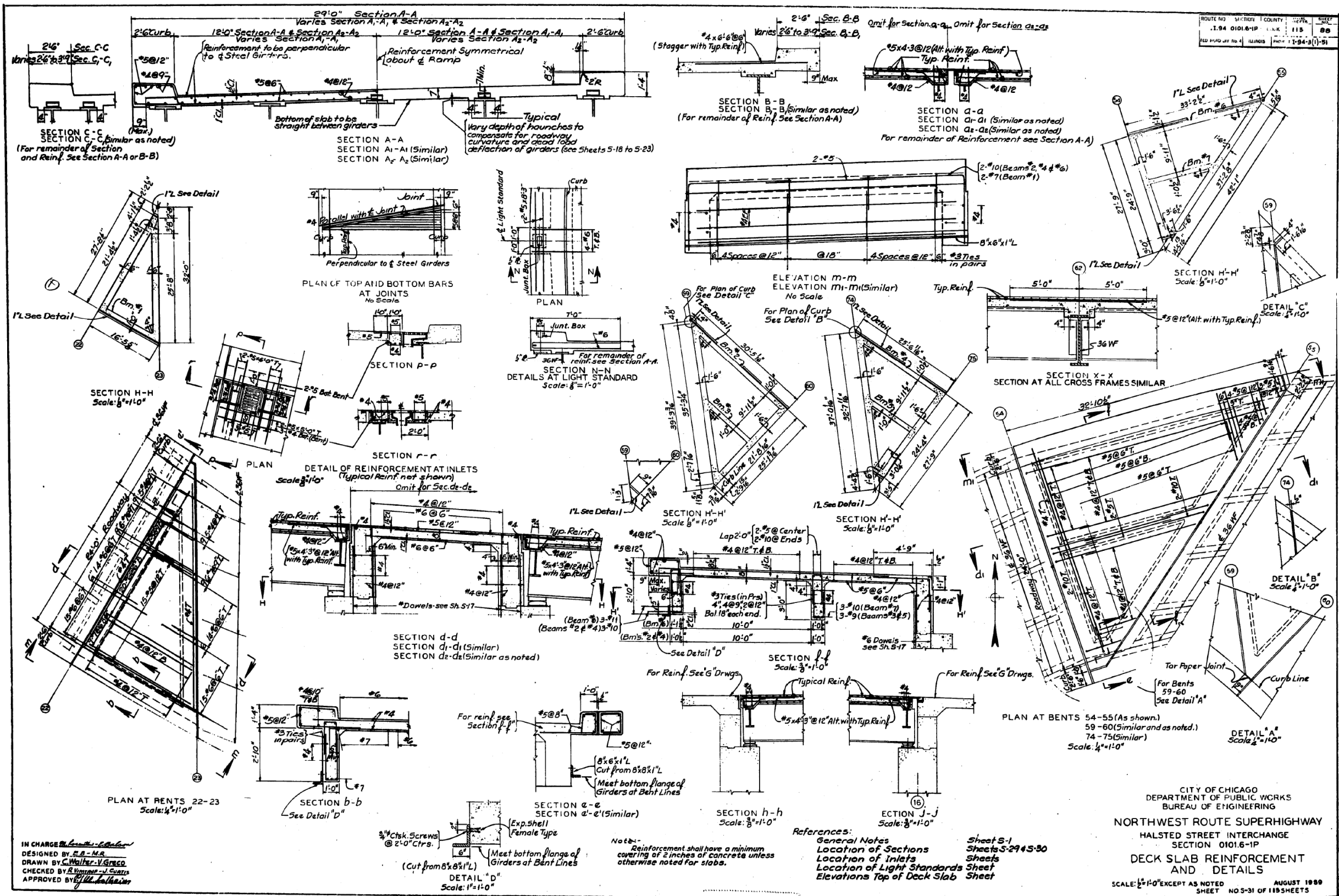
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

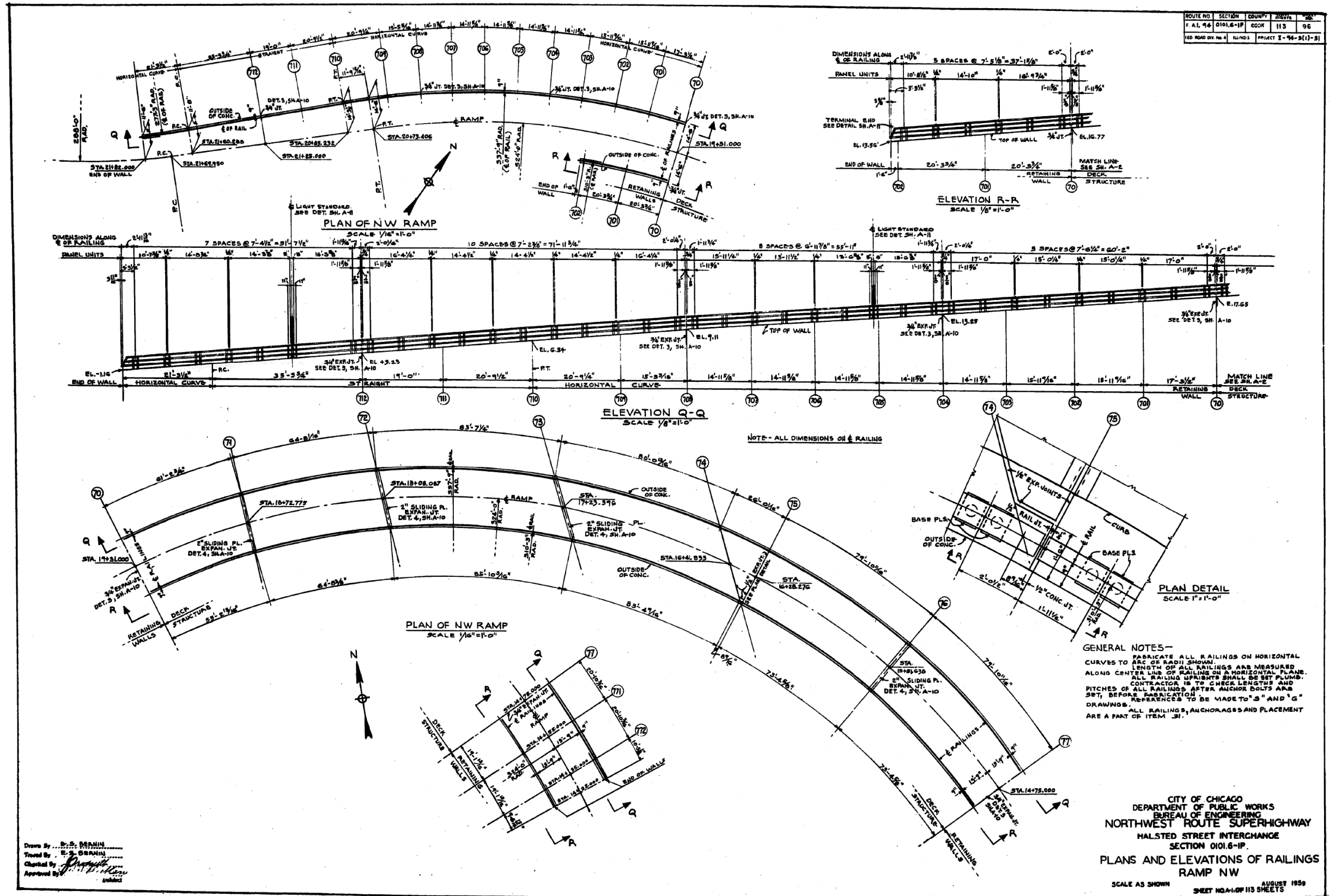
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90/94/290	2014-005R&B	COOK	888	837
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



# FOR INFORMATION ONLY

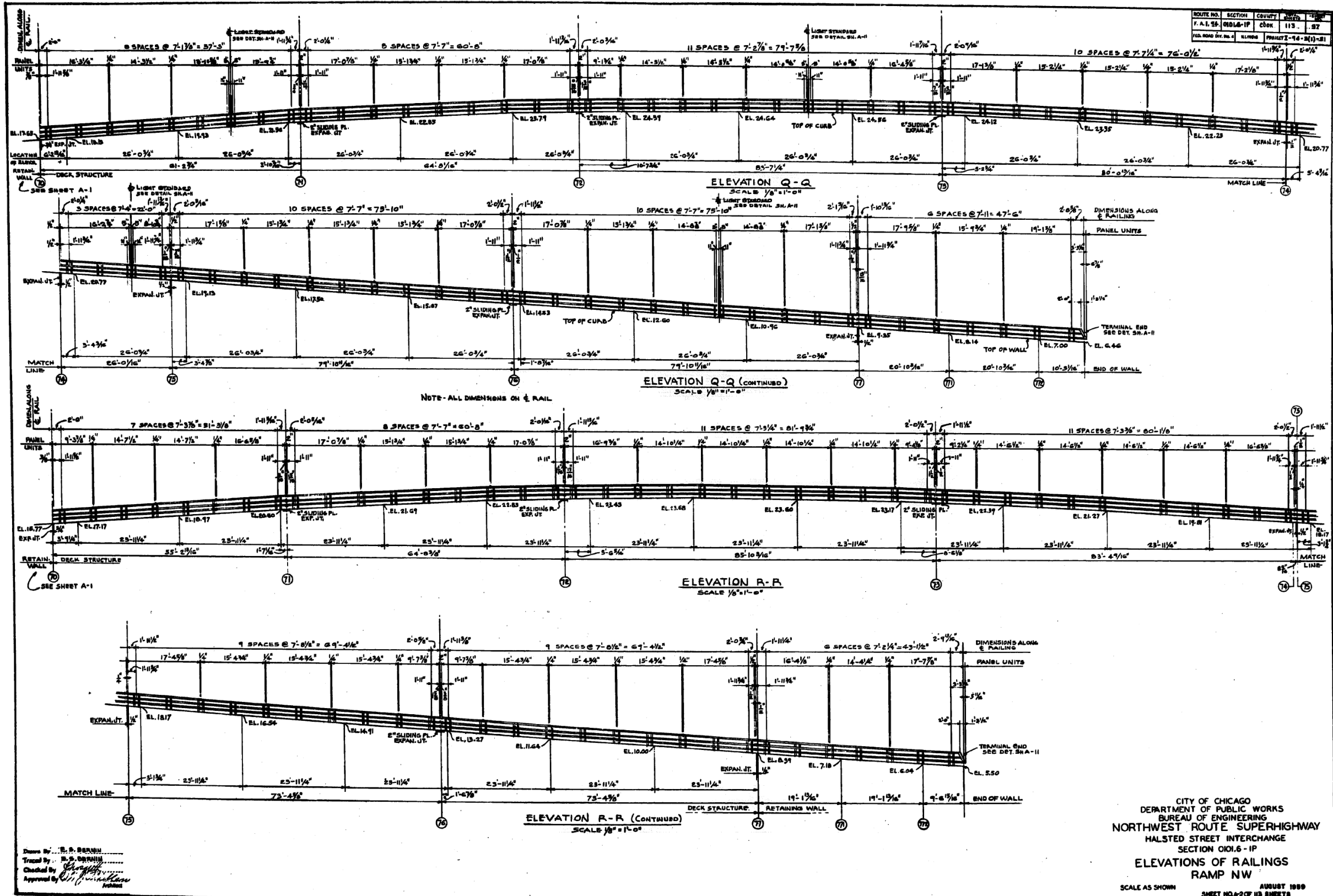


Drawn By: B.S. BRANN  
 Traced By: E.S. BRANN  
 Checked By: [Signature]  
 Approved By: [Signature]

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PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	839
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



FILE NAME: dw:\161749-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_96



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PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

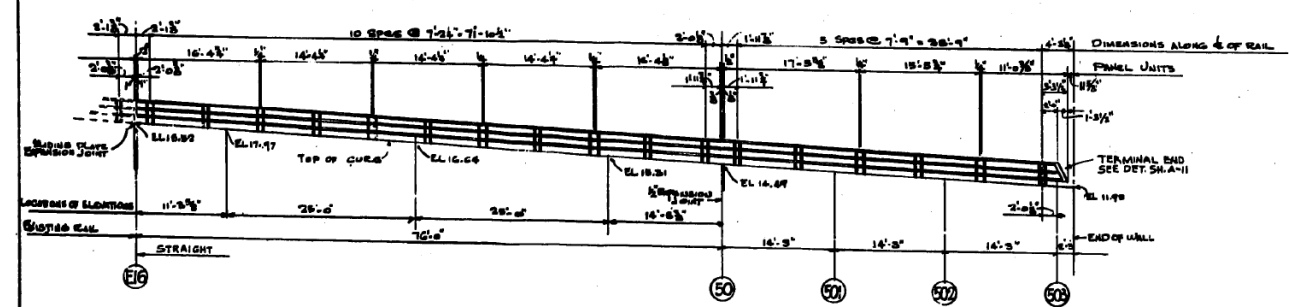
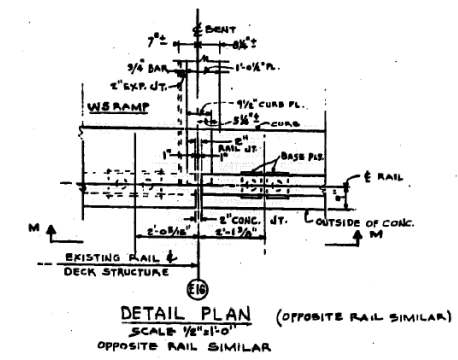
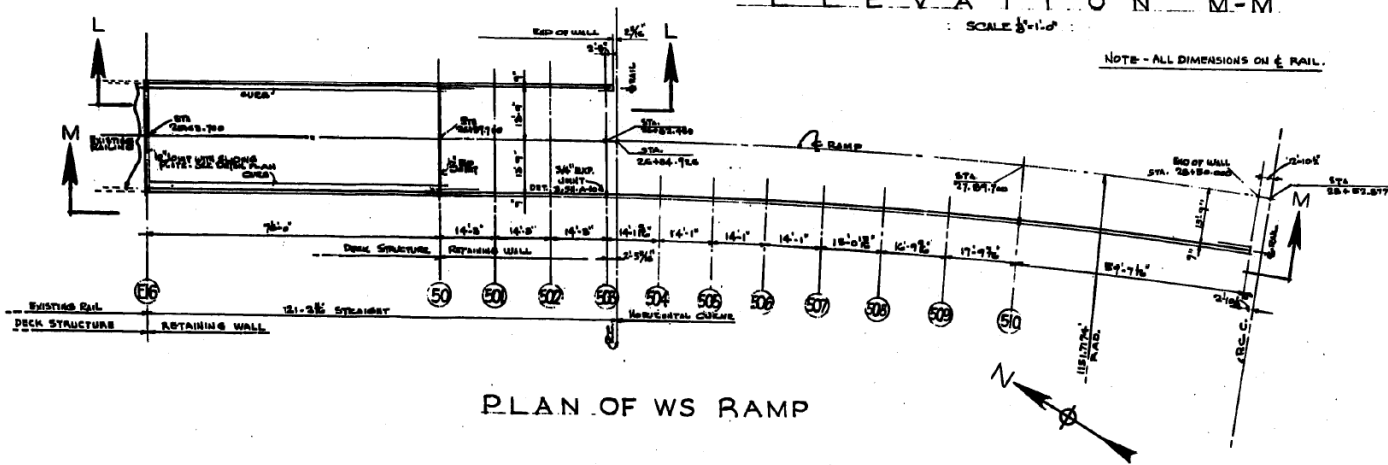
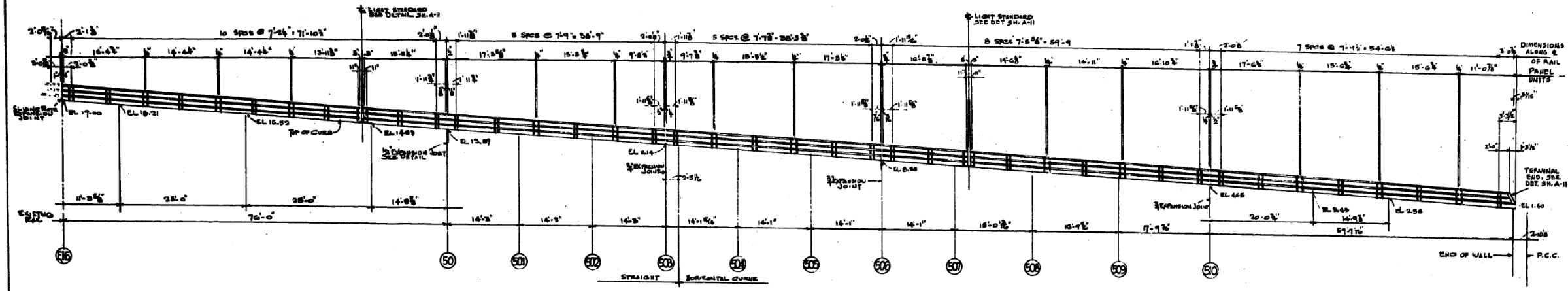
EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	840
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



# FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	SHEET NO.
F.A.I. 14	0101.6-IP	COOK	113
DESIGNED BY		ILLINOIS PROJECT NO.	
E.L. JONES		90-05R&B	88



**ELEVATION L-L**  
SCALE 1/8"=1'-0"

Drawn By: E.S. STRAIN  
 Checked By: M. CHRISTOPHER  
 Designated By: [Signature]  
 Approved By: [Signature]

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-IP  
**PLAN AND ELEVATIONS OF RAILINGS  
 RAMP WS**  
 SCALE AS SHOWN  
 AUGUST 1990  
 SHEET NO. 3 OF 113 SHEETS

FILE NAME: D:\161749-PWINT-aecom\line\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_97



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

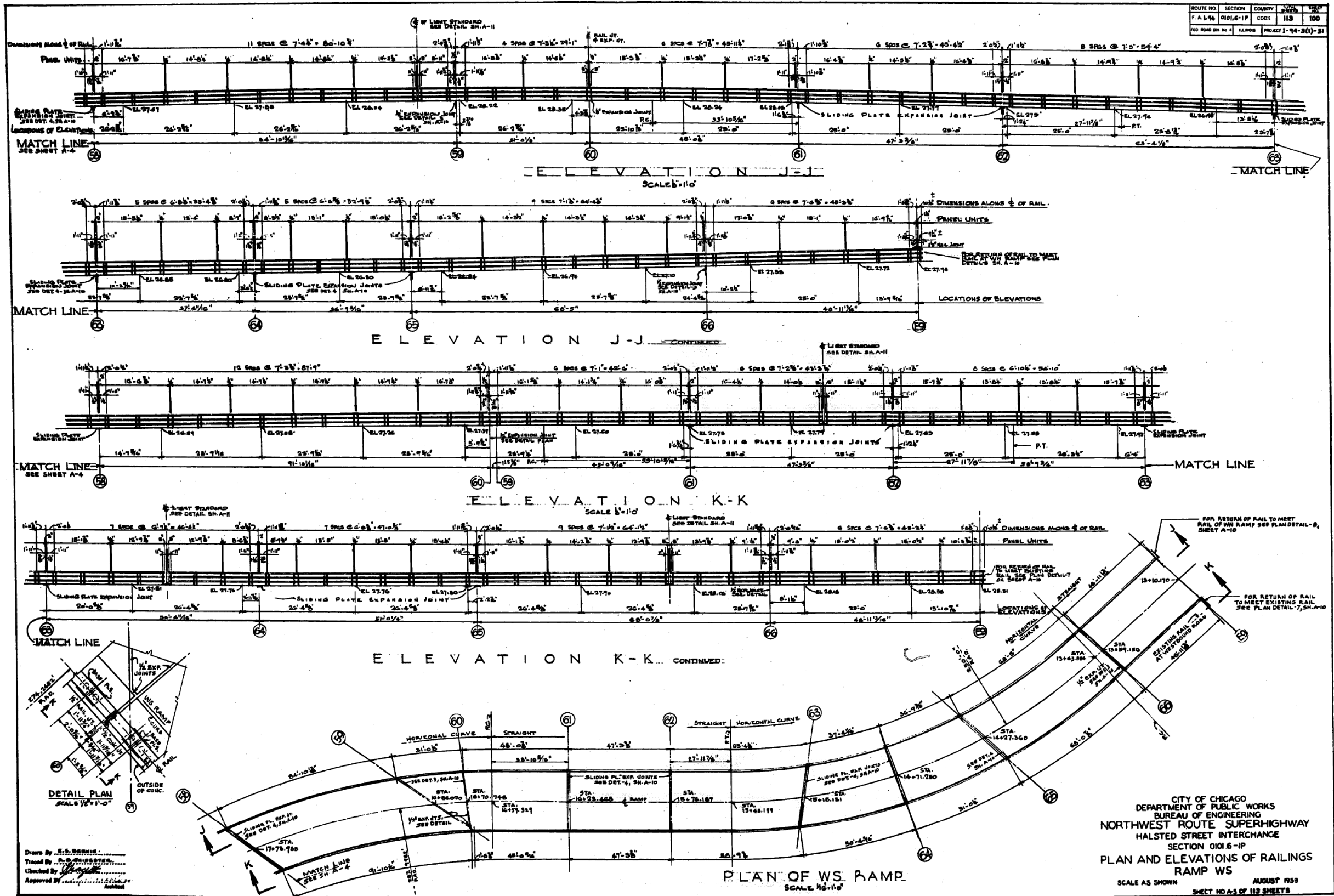
EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	841
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT



# FOR INFORMATION ONLY



Drawn By: S.S. SERRANO  
 Traced By: P. SERRANO  
 Checked By: J. SERRANO  
 Approved By: J. SERRANO

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
 PLAN AND ELEVATIONS OF RAILINGS  
 RAMP WS  
 SCALE AS SHOWN  
 AUGUST 1959  
 SHEET NO. 43 OF 113 SHEETS

FILE NAME: D:\V1617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\0000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_99



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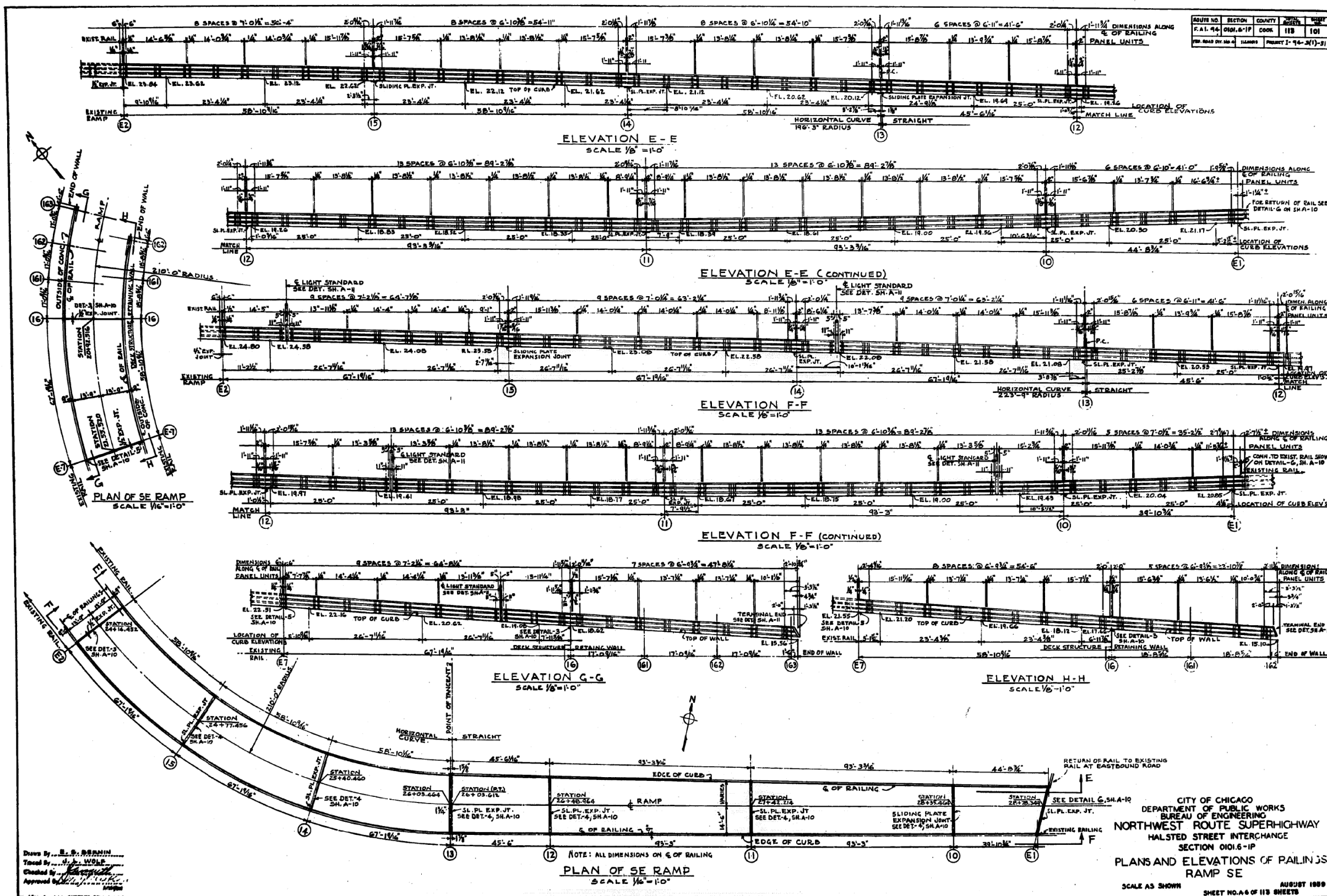
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	843
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



Drawn By: E. S. BERNIN  
 Traced By: J. J. WOLF  
 Checked By: [Signature]  
 Approved By: [Signature]

NOTE: ALL DIMENSIONS ON G & OF RAILING  
**PLAN OF SE RAMP**  
 SCALE 1/8" = 1'-0"

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
**PLANS AND ELEVATIONS OF RAIL JOINTS**  
 RAMP SE  
 SCALE AS SHOWN  
 SHEET NO. 6 OF 118 SHEETS  
 AUGUST 1989

FILE NAME: DWG:\617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269338\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_100



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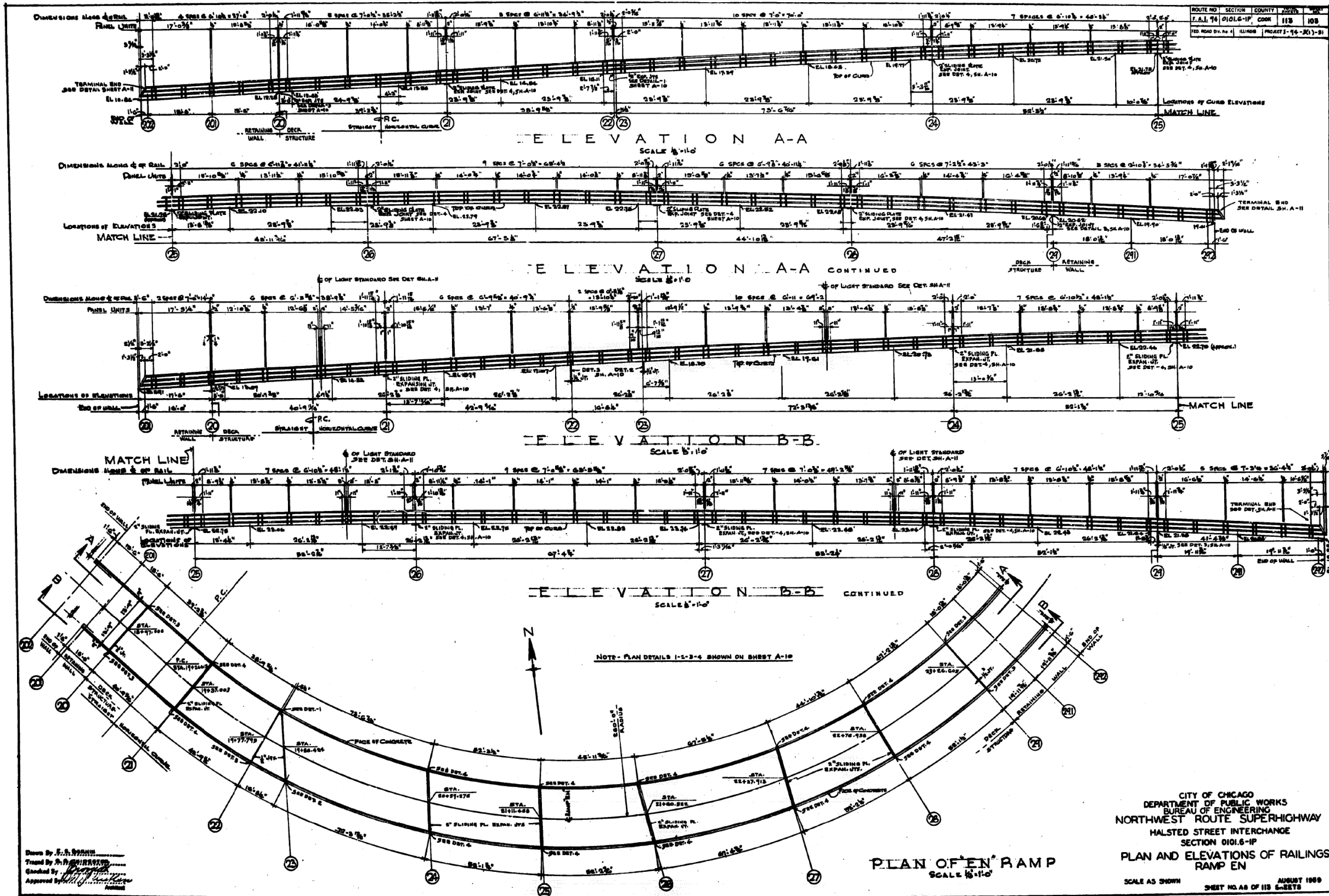
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

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90/94/290	2014-005R&B	COOK	888	844
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



# FOR INFORMATION ONLY



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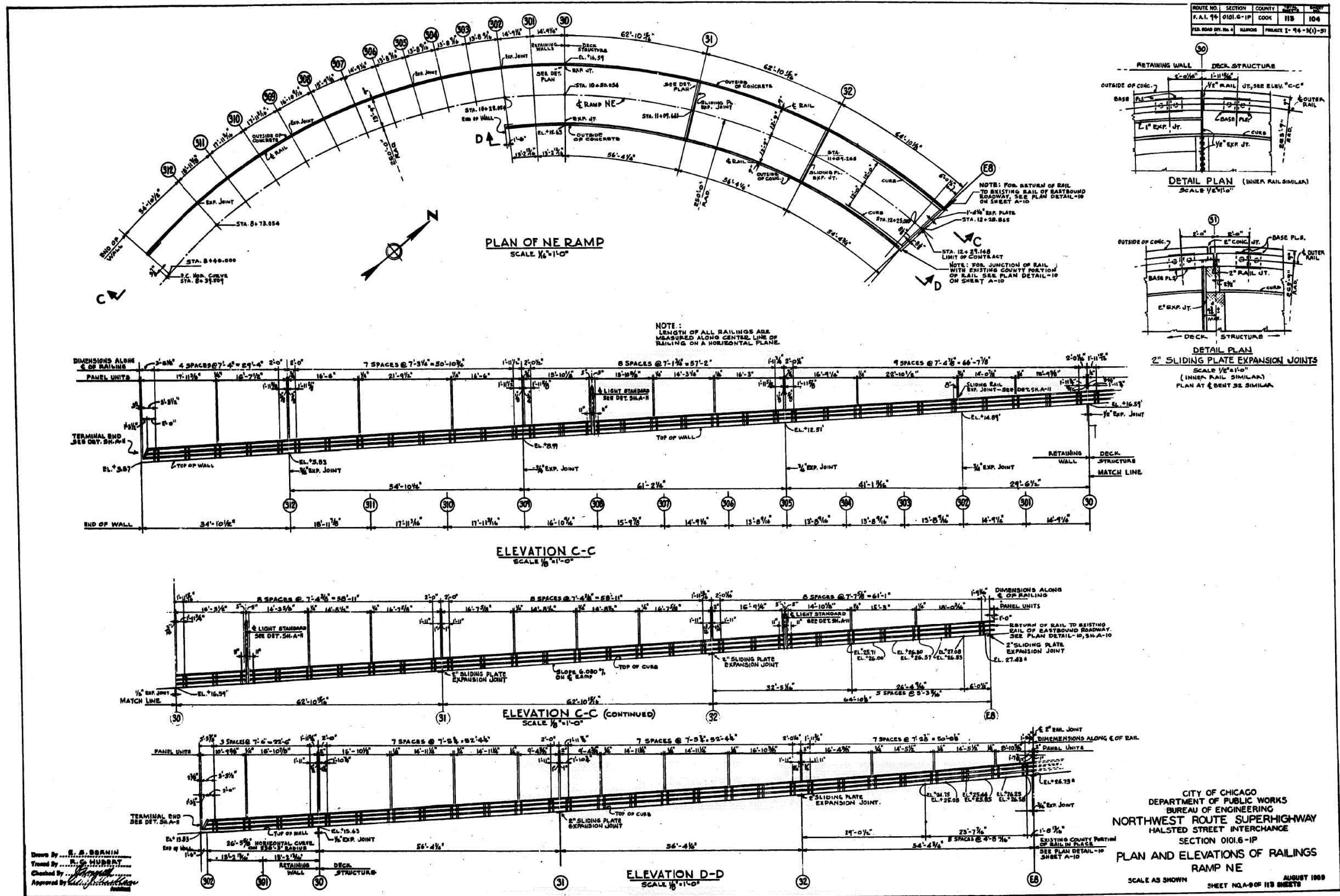
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		CHECKED -	REVISD -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	846
				CONTRACT NO. 60X79
				ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



Drawn By: E. S. BRANIN  
 Traced By: R. S. HINDRY  
 Checked By: [Signature]  
 Approved By: [Signature]

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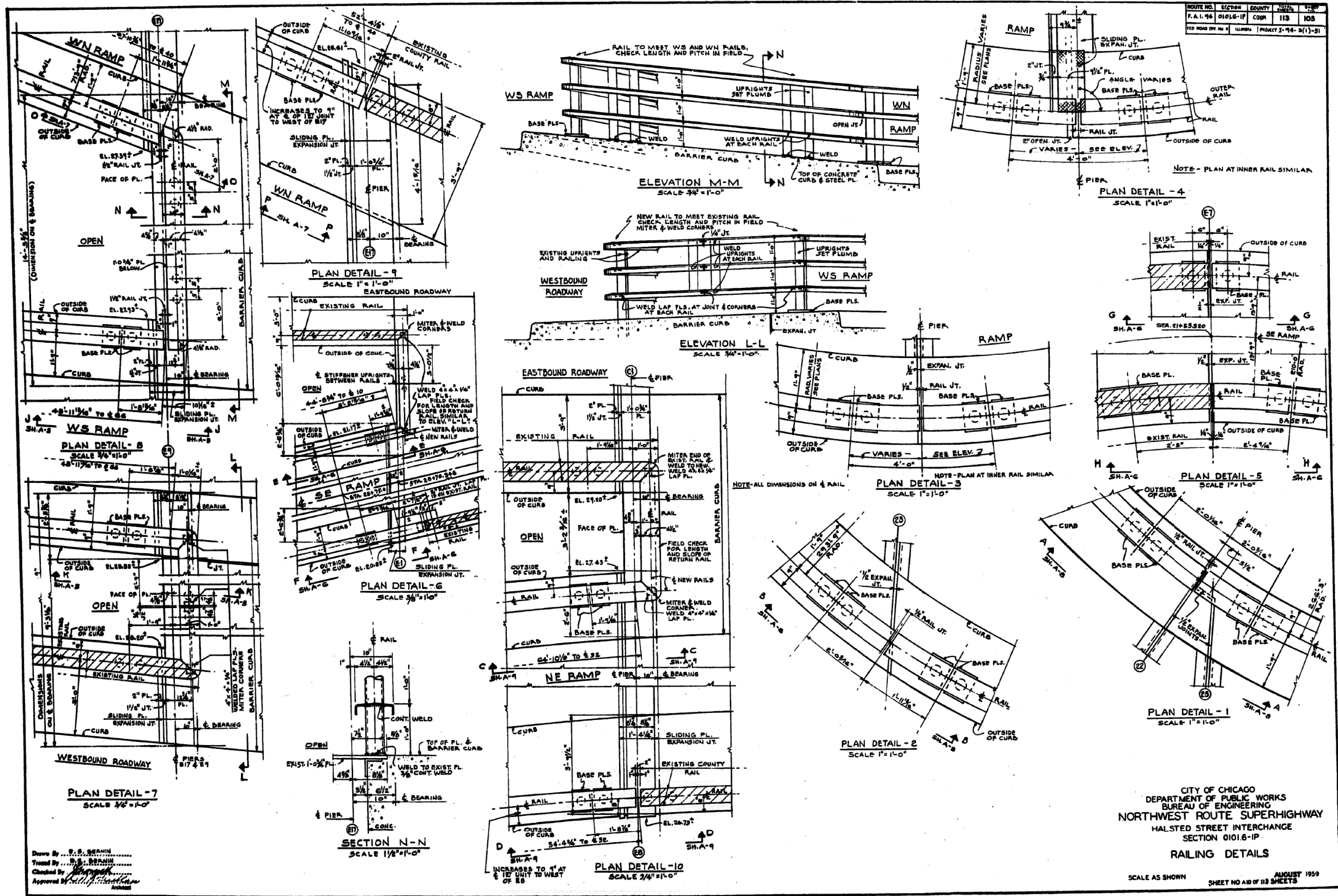
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DESIGNED -	
CHECKED -	
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DRAWN -	
PLOT DATE =	7/26/2018
CHECKED -	MI, MAI
REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	847
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



Drawn By: S. S. BERMAN  
 Traced By: S. S. BERMAN  
 Checked By: [Signature]  
 Approved By: [Signature]

CITY OF CHICAGO  
 DEPARTMENT OF PUBLIC WORKS  
 BUREAU OF ENGINEERING  
 NORTHWEST ROUTE SUPERHIGHWAY  
 HALSTED STREET INTERCHANGE  
 SECTION 0101.6-1P  
**RAILING DETAILS**  
 SCALE AS SHOWN AUGUST 1959  
 SHEET NO. 48 OF 113 SHEETS

FILE NAME: D:\V1617479-PWINT-accomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Plans\016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_104



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		MI, MAI	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

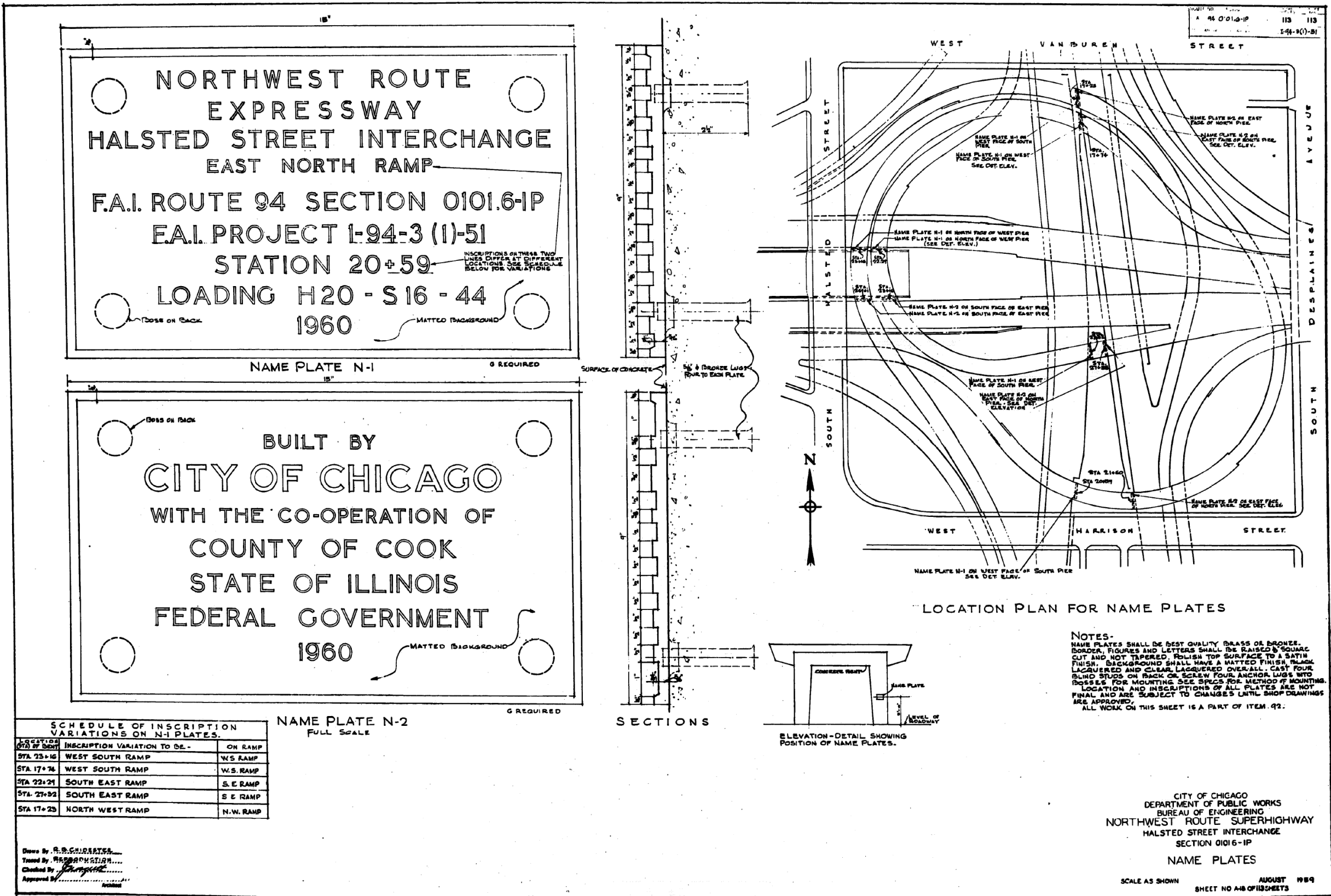
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	848
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				





# FOR INFORMATION ONLY



FILE NAME: D:\V1617479-PWINT-accomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_106



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	850
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

## PLANS FOR PROPOSED FEDERAL AID INTERSTATE HIGHWAY

### INDEX OF VOLUMES

VOL. NO.	DESCRIPTION	NO. OF SHEETS
1	ROADWAY PLANS & GENERAL SHEETS	151
2	MAINTENANCE OF TRAFFIC & ROADWAY CROSS SECTIONS	81
3	BRIDGES & ASSOCIATED STRUCTURES	79
4	RETAINING WALLS	38
5	ROADWAY LIGHTING & SURVEILLANCE	36
TOTAL		385

NOTE: FOR INDEX OF SHEETS SEE SHEET NO. 2

SCALE: PLAN 1 INCH = 50 FEET  
PROFILE HORIZ. 1 INCH = 50 FEET  
PROFILE VERT. 1 INCH = 5 FEET  
CROSS SECTIONS 1 INCH = 10 FEET HORIZONTAL  
1 INCH = 5 FEET VERTICAL

### VOLUME NO. 1

F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 R  
PROJECT IDR-94-3 (268) 52  
COOK COUNTY  
C-91-433-85

### ROADWAY GRADING AND PAVING MAXWELL STREET TO I-290

PROJECT ENDS  
STA. 17+50 (S.B.)  
STA. 14+75 (N.B.)  
DAN RYAN EXPRESSWAY

STA. EQ. 99 DAN RYAN EXPRESSWAY  
STA. 16+57.96 BK + STA. 16+57.67 AMD.

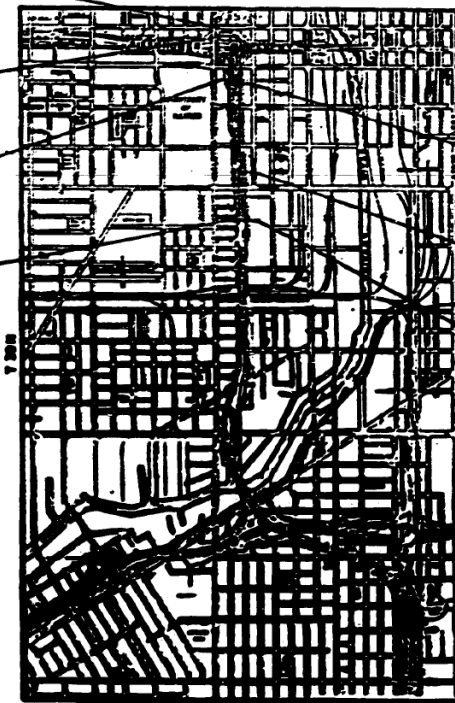
STA. EQ. 98 DAN RYAN EXPRESSWAY  
STA. 209+97.16 BK + STA. 3+11.65 AMD.

PROJECT BEGINS  
STA. 183+13.36  
DAN RYAN EXPRESSWAY

STA. EQ. 98 DAN RYAN EXPRESSWAY  
STA. 209+97.16 BK + STA. 3+11.65 AMD.

STA. EQ. 98 DAN RYAN EXPRESSWAY  
STA. 186+40.07 BK + STA. 196+39.94 AMD.

STA. EQ. 98 DAN RYAN EXPRESSWAY  
STA. 183+87.10 BK + STA. 183+13.36 AMD.

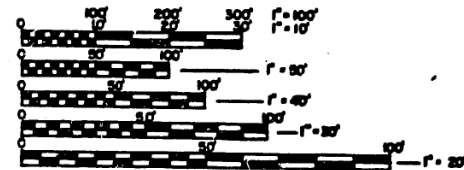


### DESIGN DESIGNATION

DAN RYAN EXPRESSWAY (MAINLINE S.B. & N.B.) } 63,700 (2000) TRUNK 18.41 (15' CRPCC - 20) Δ  
COLLECTOR-DISTRIBUTOR (S.B. & N.B.)

N.B. ROOSEVELT RD./RUBLE ST. } 19,300 (2000) AREA SERVICE 1608 (12' PCC - 20)  
S.B. ROOSEVELT RD./UNION AVE.  
N.B. TAYLOR ST. ENTRANCE RAMP

TAYLOR ST. MAINLINE EXIT } 7,700 (2000) AREA SERVICE 467 (10' PCC - 20)  
AND RAMP W-S



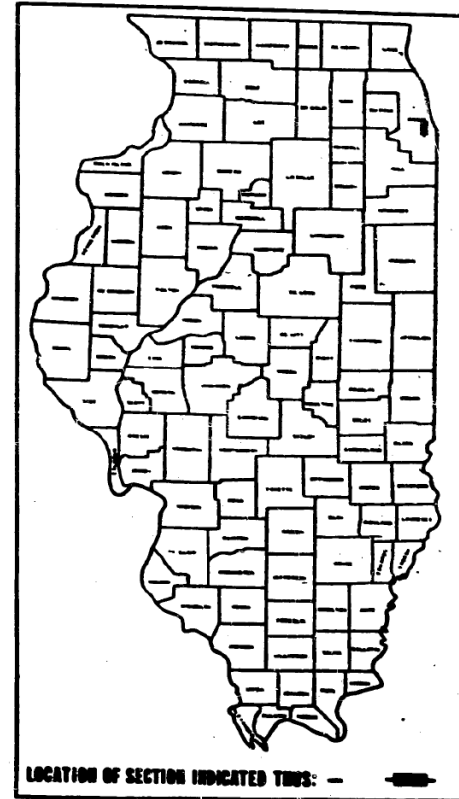
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CONTRACT NO. **80063**



*Thomas Allan Smith*  
8-13-87

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	1985-080 R	COOK	151	1



LOCATION OF SECTION INDICATED THIS: - - -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

DESIGNED: *August 12, 87*

DRAWN: *11-26-87*

CHECKED: *10/20/87*

APPROVED: *8-20-87*

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

DIVISION ADMINISTRATOR \_\_\_\_\_ DATE \_\_\_\_\_

NET LENGTH = 4,122.32 LIN. FT. (0.78 MILES)  
GROSS LENGTH = 4,122.32 LIN. FT. (0.78 MILES)

COUNTY COOK SECTION 1985 - 080 R ROUTE 1 90/94 (DAN RYAN EXPRESSWAY)



USER NAME = ahmad,issa	DESIGNED -	REVISED -
PLOT SCALE = N.T.S.	CHECKED -	REVISED -
PLOT DATE = 7/26/2018	DRAWN -	REVISED -
	CHECKED - MI, MAI	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	851

CONTRACT NO. 60X79

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

## PLANS FOR PROPOSED FEDERAL AID INTERSTATE HIGHWAY

**INDEX OF VOLUMES**

VOL. NO.	DESCRIPTION	NO. OF SHEETS
1.	ROADWAY PLANS & GENERAL SHEETS	151
2.	MAINTENANCE OF TRAFFIC & ROADWAY CROSS SECTIONS	81 $\Delta$
3.	BRIDGES & ASSOCIATED STRUCTURES	79
4.	RETAINING WALLS AND MISC. STRUCTURES	38
5.	ROADWAY LIGHTING & SURVEILLANCE	36
TOTAL		386

**SCALES**

PLAN	1 INCH = 50 FEET
PROFILE HORIZ.	1 INCH = 50 FEET
PROFILE VERT.	1 INCH = 5 FEET
CROSS SECTION	1 INCH = 10 FEET HORIZONTAL 1 INCH = 5 FEET VERTICAL

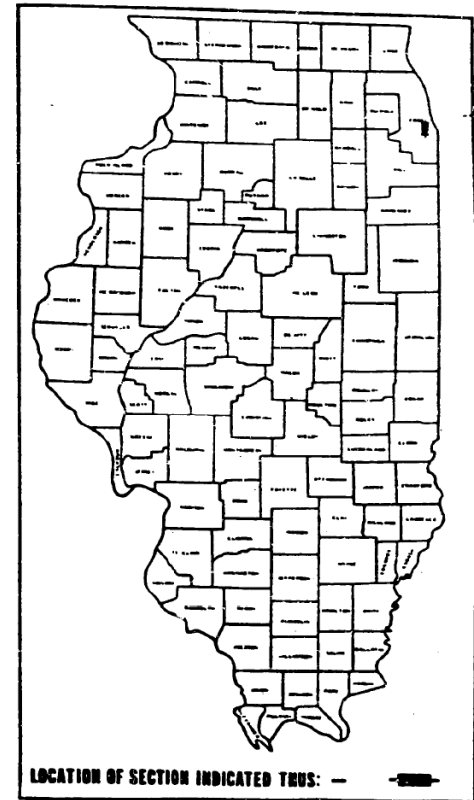
**VOLUME NO. 3**

F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 R  
**PROJECT**

COOK COUNTY  
C-91-433-85

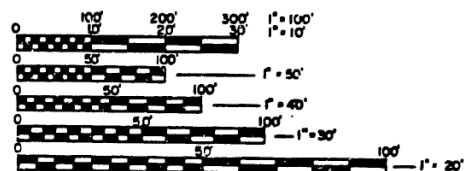
ROADWAY GRADING AND PAVING  
MAXWELL STREET TO I-290

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS
90/94		COOK	79
* 1985-080 R P-91-179-84			



**DESIGN DESIGNATION**

DAN RYAN EXPRESSWAY (MAINLINE S.B. & N.B.) 163,700 (2000) TRUNK 118.41 (15' CRPCC - 20)  
COLLECTOR-DISTRIBUTOR (S.B. & N.B.) 28,100 (2000) COLLECTOR 21.63 (15' CRPCC - 20)  
N.B. ROOSEVELT RD./RUBLE ST } 19,300 (2000) AREA SERVICE 16.08 (12' PCC - 20)  
S.B. ROOSEVELT RD./UNION AVE. }  
N.B. TAYLOR ST. ENTRANCE RAMP }  
TAYLOR ST. MAINLINE EXIT } 7,700 (2000) AREA SERVICE 4.67 (10' PCC - 20)  
AND RAMP W-S }



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.

CONTRACT NO. **80063**

PROJECT ENDS  
STA. 17+50 (S.B.)  
STA. 14+75 (N.B.)  
DAN RYAN EXPRESSWAY

STA. EQ. SE. DAN RYAN EXPRESSWAY  
STA. 16+37.86 BK +  
STA. 16+37.67 AHD

STA. EQ. SB. DAN RYAN EXPRESSWAY  
STA. 209+97.18 BK +  
STA. 3+11.69 AHD

PROJECT BEGINS  
STA. 183+13.36  
DAN RYAN EXPRESSWAY

STA. EQ. NB. DAN RYAN EXPRESSWAY  
STA. 209+85.95 BK +  
STA. 3+06.94 AHD

STA. EQ. NB. DAN RYAN EXPRESSWAY  
STA. 196+40.07 BK +  
STA. 196+39.94 AHD

STA. EQ. SB. DAN RYAN EXPRESSWAY  
STA. 183+87.10 BK +  
STA. 183+13.36 AHD



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

DIVISION ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_

NET LENGTH = 4,122.32 LIN. FT. (0.78 MILES)  
GROSS LENGTH = 4,122.32 LIN. FT. (0.78 MILES)

SHEET G1 OF 2

*Revision No. 33 1987*

COUNTY COOK SECTION 1985 - 080 R ROUTE 1 90/94 (DAN RYAN EXPRESSWAY)



USER NAME = ahmad,issa	DESIGNED -	REVISED -
PLOT SCALE = N.T.S	CHECKED -	REVISED -
PLOT DATE = 7/26/2018	DRAWN -	REVISED -
	CHECKED - MI, MAI	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	852
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

DATE OF SHEET	DATE	COUNTY	NO. SHEETS	SHEET NO.
09/04	0	COOK	78	2
BY: TO: BY: TO: BY: TO: BY: TO: BY: TO:				
* 1983-C80 R				

## INDEX OF SHEETS

SHEET NO.	TITLE SHEET	SHEET NO.	TITLE SHEET
1	01	53	8 11
2	02	54	8 12
		55	8 13
		56	8 14
3	EXIT 1	57	8 15
4	EXIT 2	58	8 16
5	EXIT 3	59	8 17
6	EXIT 4		
7	EXIT 5		
8	EXIT 6	60	8 1
9	EXIT 7	61	8 2
10	EXIT 8	62	8 2
11	EXIT 9	63	8 4
12	EXIT 10	64	8 5
13	EXIT 11	65	8 6
14	EXIT 12	66	8 7
15	EXIT 13	67	8 8
16	EXIT 14	68	8 9
17	EXIT 15	69	8 10
18	EXIT 16	70	8 11
19	EXIT 17	71	8 12
		72	8 13
		73	8 14
		74	8 1
20	ENT 1	75	8 2
21	ENT 2	76	8 3
22	ENT 3	77	8 4
23	ENT 4	78	8 5
24	ENT 5	79	8 6
25	ENT 6		
26	ENT 7		
27	ENT 8		
28	ENT 9		
29	ENT 10		
30	ENT 11		
31	ENT 12		
32	ENT 13		
33	ENT 14		
34	ENT 15		
35	ENT 16		
36	ENT 17		
37	ENT 18		
38	BAR 1		
39	BAR 2		
40	BAR 3		
41	BAR 4		
42	BAR 5		
43	BAR 5A		
43	8 1		
44	8 2		
45	8 3		
46	8 4		
47	8 5		
48	8 6		
49	8 7		
50	8 8		
51	8 9		
52	8 10		

SHEET NO.	TITLE SHEET	SHEET NO.	TITLE SHEET
53	8 11	8 11	BEARING DETAILS
54	8 12	8 12	BEET 7
55	8 13	8 13	PIER 1
56	8 14	8 14	PIER 2
57	8 15	8 15	PIER 3
58	8 16	8 16	SPLICER BAR DETAILS
59	8 17	8 17	WALL 6 II
60	8 1	8 1	EAST-SOUTH DAM (STRUCTURE NO. 016-2433)
61	8 2	8 2	GENERAL PLAN AND ELEVATION
62	8 2	8 2	GENERAL NOTES AND FOUNDATION DETAILS
63	8 4	8 4	DECK ELEVATION LOCATION PLAN
64	8 5	8 5	DECK DETAILS
65	8 6	8 6	FLASHING AND MISCELLANEOUS DECK DETAILS
66	8 7	8 7	FRAMING PLAN AND DETAILS
67	8 8	8 8	STEEL DETAILS
68	8 9	8 9	BEARING DETAILS - I
69	8 10	8 10	BEARING DETAILS - II
70	8 11	8 11	BEET 26
71	8 12	8 12	PIER 27
72	8 13	8 13	PIER 27 DETAILS
73	8 14	8 14	PIER 28
74	8 1	8 1	ABUTMENT 29
75	8 2	8 2	MISCELLANEOUS DETAILS - ALL STRUCTURES
76	8 3	8 3	ARCHIVE BOLT DETAILS
77	8 4	8 4	EXPANDED JOINTS 2", 2-1/2", AND 4"
78	8 5	8 5	PRECAST JOINT SEAL 2-1/2" AND 4"
79	8 6	8 6	DRAINAGE CONVEY. SYSTEM
80	8 7	8 7	DRAINAGE SCREWS, ALIGNMENT - CAST IRON
81	8 8	8 8	PEDESTRIAN BAILING
82	8 9	8 9	DECK DRAINAGE DETAILS AND SECTIONS
83	8 10	8 10	TYPICAL CARRON DETAILS

## △ TOTAL BILL OF MATERIAL - S.B.

ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION	CU. YD.	1,250
PROTECTIVE CURT	SQ. YD.	634
CLASS I CONCRETE	CU. YD.	674.9
CLASS II CONCRETE SUPERSTRUCTURE	CU. YD.	509.9
FOUNDATIONS AND EXISTING STRUCTURAL STEEL	L. SH.	0.45
STEEL SHEAR CONNECTORS	EACH	2,134
REINFORCEMENT BARS	LB.	53,460
REINFORCEMENT BARS (EPOXY COATED)	LB.	144,200
WIRE PLATE	EACH	2
FOUNDATIONS STEEL FILES (HP 12 X 53)	LN. FT.	3,038
TEST FILES (HP 12 X 53)	EACH	4
DRIVING STEEL FILES	LN. FT.	5,038
CARRON STRIPS 36"	CU. FT.	1,328
CARRON STRIPS 48"	CU. FT.	85
CARRON BELLS	CU. FT.	1,397
ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	20
FLANGING BEARINGS - GRIND EXPANSION - 60K	EACH	6
FLANGING BEARINGS - FIXED - 50K	EACH	1
FLANGING BEARINGS - FIXED - 100K	EACH	1
PIPE UNDERDRAIN - 6" DIAMETER	LN. FT.	980
CONCRETE WALL BRACKETS	NO. TD.	375
EXPANDED JOINT, 4"	LN. FT.	48
PRECAST JOINT SEAL, 2-1/2"	LN. FT.	25
DRAINAGE SCREWS	EACH	2
DOWNPOUT DRAINAGE SYSTEM	LN. FT.	94
CONCRETE REMOVAL	CU. YD.	33.0
PROTECTIVE SHIELD	SQ. YD.	68
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	12
PEDESTRIAN BAILING - 6 FT.	LN. FT.	225
PRECAST JOINT SEAL, 4"	LN. FT.	144

## △ TOTAL BILL OF MATERIAL - N.B.

ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION	CU. YD.	3,262
CONCRETE REMOVAL	CU. YD.	179.7
REMOVAL OF EXISTING SUPERSTRUCTURE-NO. 1	L. SUP	1
REMOVAL OF EXISTING SUPERSTRUCTURE-NO. 2	L. SUP	1
PROTECTIVE CURT	SQ. YD.	3,419
PROTECTIVE SHIELD	SQ. YD.	9,020
CLASS I CONCRETE	CU. YD.	1,071.4
CLASS II CONCRETE SUPERSTRUCTURE	CU. YD.	946.0
FOUNDATIONS AND EXISTING STRUCTURAL STEEL	L. SH.	0.57
DRAINAGE SCREWS	EACH	2
DOWNPOUT DRAINAGE SYSTEM	LN. FT.	33
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	41
EPOXY CRACK SEALING	LN. FT.	20
FORMED CONCRETE REPAIR (DEPTH ≤ 1-1/2 IN.)	SQ. FT.	80
STEEL SHEAR CONNECTORS	EACH	12,616
REINFORCEMENT BARS	LB.	145,000
REINFORCEMENT BARS (EPOXY COATED)	LB.	21,740
WIRE PLATE	EACH	9
ELASTOMERIC BEARING ASSEMBLY TYPE I	EACH	46
ELASTOMERIC BEARING ASSEMBLY TYPE II	EACH	0
FLANGING BEARINGS - GRIND EXPANSION - 60K	EACH	1
FLANGING BEARINGS - EXPANSION - 60K	EACH	1
FLANGING BEARINGS - GRIND EXPANSION - 100K	EACH	3
FLANGING BEARINGS - GRIND EXPANSION - 50K	EACH	2
FLANGING BEARINGS - FIXED - 50K	EACH	2
FLANGING BEARINGS - FIXED - 100K	EACH	2
FOUNDATIONS STEEL FILES (HP 12 X 53)	LN. FT.	3,134
TEST FILES (HP 12 X 53)	EACH	2
DRIVING STEEL FILES	LN. FT.	3,134
CARRON STRIPS 36"	CU. FT.	4,931
CARRON STRIPS 48"	CU. FT.	1,795
CARRON BELLS	CU. FT.	2,909
WATERPROOFING MEMBRANE SYSTEM	SQ. YD.	476
EXPANDED JOINT, 2-1/2"	EACH	347
PRECAST JOINT SEAL, 4"	LN. FT.	964
CONCRETE WALL BRACKETS	NO. TD.	325
PIPE UNDERDRAIN - 6" DIAMETER	LN. FT.	444
EXPANDED JOINT, 4"	LN. FT.	88
PRECAST JOINT SEAL, 2-1/2"	LN. FT.	180
PRECAST JOINT SEAL, 4"	LN. FT.	71

## △ TOTAL BILL OF MATERIALS - S.B. (CONT.)

ITEM	UNIT	QUANTITY
ELASTOMERIC BEARING ASSEMBLY TYPE I	NO. TD.	1,311
ELASTOMERIC BEARING ASSEMBLY TYPE II	NO. TD.	1,311
CONCRETE BEARING DECK REPAIR (3/8")	NO. TD.	1,399
CONCRETE REMOVAL	LN. FT.	525
DECK SLAB REPAIR (PARTIAL)	NO. TD.	60
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	NO. TD.	10
BEARING ASSEMBLY REPAIR (PARTIAL DEPTH)	NO. TD.	500
BEARING ASSEMBLY REPAIR (FULL DEPTH)	NO. TD.	60
FORMED CONCRETE REPAIR (DEPTH = 1-1/2 IN.)	NO. TD.	50
EPOXY CRACK SEALING	LN. FT.	86
FORMED CONCRETE REPAIR (DEPTH ≤ 1-1/2 IN.)	NO. TD.	200
CLEANING AND PAINTING	L. SH.	1

SHEET 02 OF 2

REVISION	DATE
1	2-2-08
2	2-2-08

Revision - Nov 25, 1997

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/84 (DAN RYAN EXPRESSWAY)  
SECTION 004-C80 R - COOK COUNTY  
ROADWAY GRADING AND PAVING  
VOLUME NO. 3  
INDEX OF SHEETS  
AND TOTAL BILL OF MATERIAL  
Drawn By: SAP  
Checked By: WSP  
DATE: AUGUST 15, 1997  
SUPERVISOR: [Name]

FILE NAME: D:\1617479-PWINT-aecom\online\local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-58x-Existing\_109



USER NAME =	ahmad,issa	DESIGNED -		REVISED -	
PLOT SCALE =	N.T.S	CHECKED -		REVISED -	
PLOT DATE =	7/26/2018	DRAWN -		REVISED -	
		CHECKED -	MI, MAI	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/84/290	2014-005R&B	COOK	888	853
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

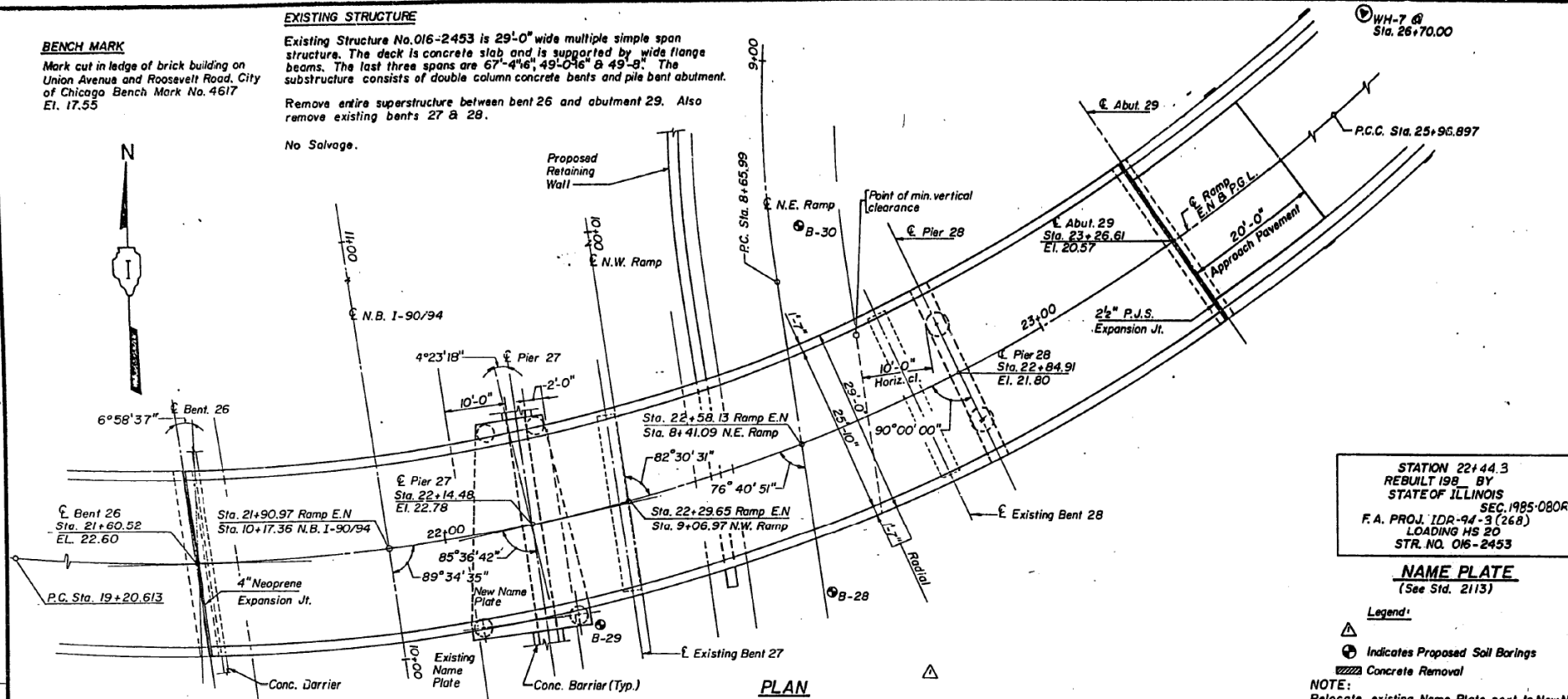
**BENCH MARK**  
Mark cut in ledge of brick building on Union Avenue and Roosevelt Road, City of Chicago Bench Mark No. 4617 El. 17.55

**EXISTING STRUCTURE**

Existing Structure No. 016-2453 is 29'-0" wide multiple simple span structure. The deck is concrete slab and is supported by wide flange beams. The last three spans are 67'-4", 49'-0" & 49'-9". The substructure consists of double column concrete bents and pile bent abutment.

Remove entire superstructure between bent 26 and abutment 29. Also remove existing bents 27 & 28.

No Salvage.



STATION 22+44.3  
REBUILT 1987 BY  
STATE OF ILLINOIS  
SEC. 1985-0808  
F.A. PROJ. IDR-94-3 (268)  
LOADING HS 20  
STR. NO. 016-2453

**NAME PLATE**  
(See Std. 2113)

- Legend:**
- ⊙ Indicates Proposed Soil Borings
  - ▢ Concrete Removal

**NOTE:**  
Relocate existing Name Plate next to New Name Plate.  
Cost Incidental.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Superstructures	L. Sum	.32	-	.32
Concrete Removal	Cu. Yd.	5	59	64
Expansion Bolts (3/4")	Each	55	-	55
Structure Excavation	Cu. Yd.	-	160	160
Protective Coat	Sq. Yd.	145	-	145
Class X Concrete	Cu. Yd.	-	146	146
Furnishing and Erecting Structural Steel	L. Sum	.13	-	.13
Reinforcement Bars	Pound	-	37,305	37,305
Reinforcement Bars (Epoxy Coated)	Pound	39300	-	39300
Elastomeric Bearing Assembly Type I	Each	10	-	10
Elastomeric Bearing Assembly Type II	Each	5	-	5
Name Plates	Each	1	-	1
Neoprene Expansion Joint 4"	Lin. Ft.	28.0	-	28.0
Preformed Joint Seal, 2 1/2"	Lin. Ft.	29.0	-	29.0
Caisson Shaft, 36"	Cu. Ft.	-	1860	1860
Caisson Balls	Cu. Ft.	-	521	521
Bituminous Concrete Surface Course - Class I	Ton	41	-	41
Protective Shield	Sq. Yd.	880	-	880
Stud Shear Connectors	Each	2514	-	2514
Class X Concrete Superstructure	Cu. Yd.	202	-	202
Waterproofing Membrane System	Sq. Yd.	474	-	474

\* See Special Provisions

**DESIGN CRITERIA**

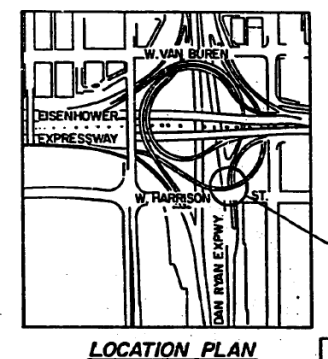
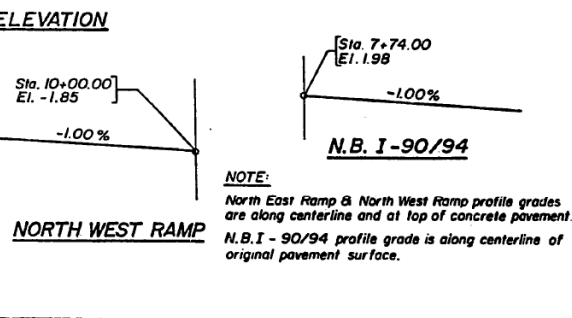
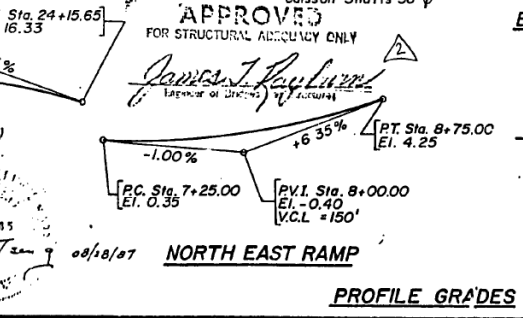
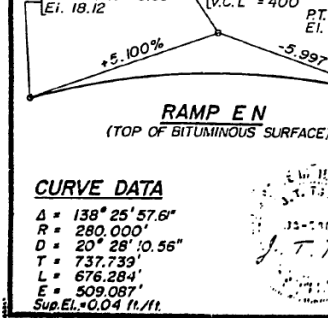
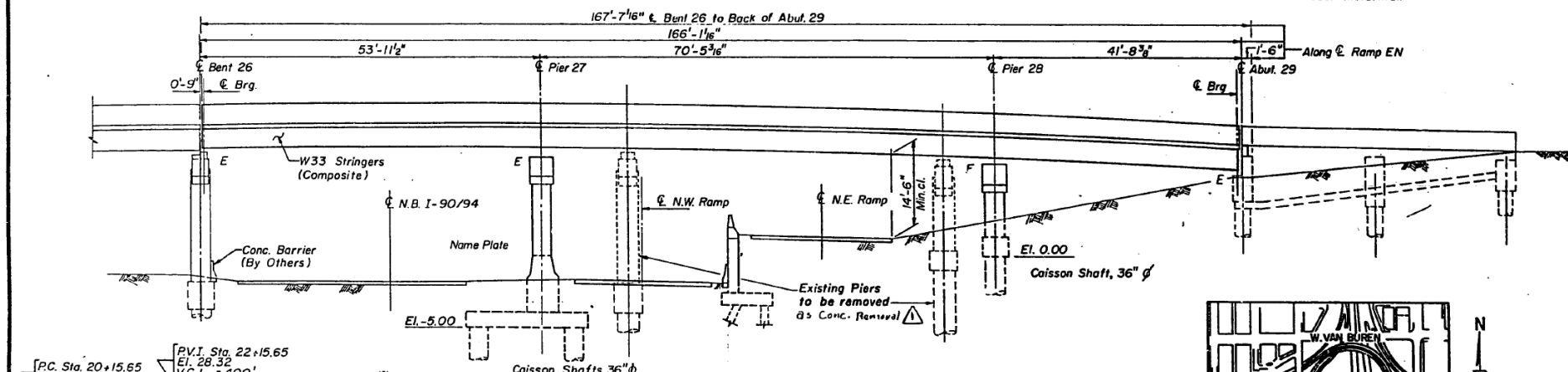
**Design Specifications:**  
A. A.S.H.T.O. 1983 Standard Specifications For Highway Bridges  
B 1984 & 1985 Interims. Guide Specifications for Horizontally Curved Highway Bridges.

**Design Criteria:**  
Load Factor Design (Super Structure Only)  
Live Load: HS 20-44 and Alternate

Allowable Bearing Pressure For Caisson = 12 Kips/S.F.

**Design Stresses:**

Concrete:	$f_c = 3,500$ PSI	Proposed Super-structure
Reinforcing Steel (Grade 60):	$F_y = 60,000$ PSI	
Structural Steel (M 223) GR 50:	$F_y = 50,000$ PSI	Existing Structure
(M 183):	$F_y = 36,000$ PSI	
Concrete:	$f_c = 1,400$ PSI	Proposed Sub Structure
Reinforcing Steel:	$f_s = 20,000$ PSI	
Concrete:	$f_c = 5,000$ PSI	Proposed Sub Structure
Reinforcing Steel:	$f_y = 60,000$ PSI	



**CURVE DATA**  
 $\Delta = 138^\circ 25' 57.6''$   
 $R = 280,000'$   
 $D = 20^\circ 28' 10.56''$   
 $T = 737.739'$   
 $L = 676.284'$   
 $E = 509.087'$   
 $Sup. El. = 0.04 ft/ft$



APPROVED FOR STRUCTURAL AGENCY ONLY  
James J. Taylor  
Professional Engineer  
No. 0818/07

**NOTE:**  
North East Ramp & North West Ramp profile grades are along centerline and at top of concrete pavement.  
N.B.I - 90/94 profile grade is along centerline of original pavement surface.

PLANS PREPARED BY  
P.G. ENGINEERING ASSOCIATES, INC.  
800 WEST JACKSON BLVD  
CHICAGO ILLINOIS, 60606

SHEET EN-1 OF EN-14

REVISIONS	Name	Date
1	REVISION	4-22-88

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 - R-COOK COUNTY  
EAST-NORTH RAMP OVER F.A.I. 90/94  
GENERAL PLAN & ELEVATION

Scale: None  
Date: August 14, 1987  
Drawn By: S.D.D.  
Checked By:  
ENVIRODYNE ENGINEERS INC.  
Chicago, Illinois



USER NAME =	ahmad, jssa	DESIGNED -	REVISION -
PLOT SCALE =	N.T.S	CHECKED -	REVISION -
PLOT DATE =	7/26/2018	DRAWN -	REVISION -
		CHECKED -	REVISION -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

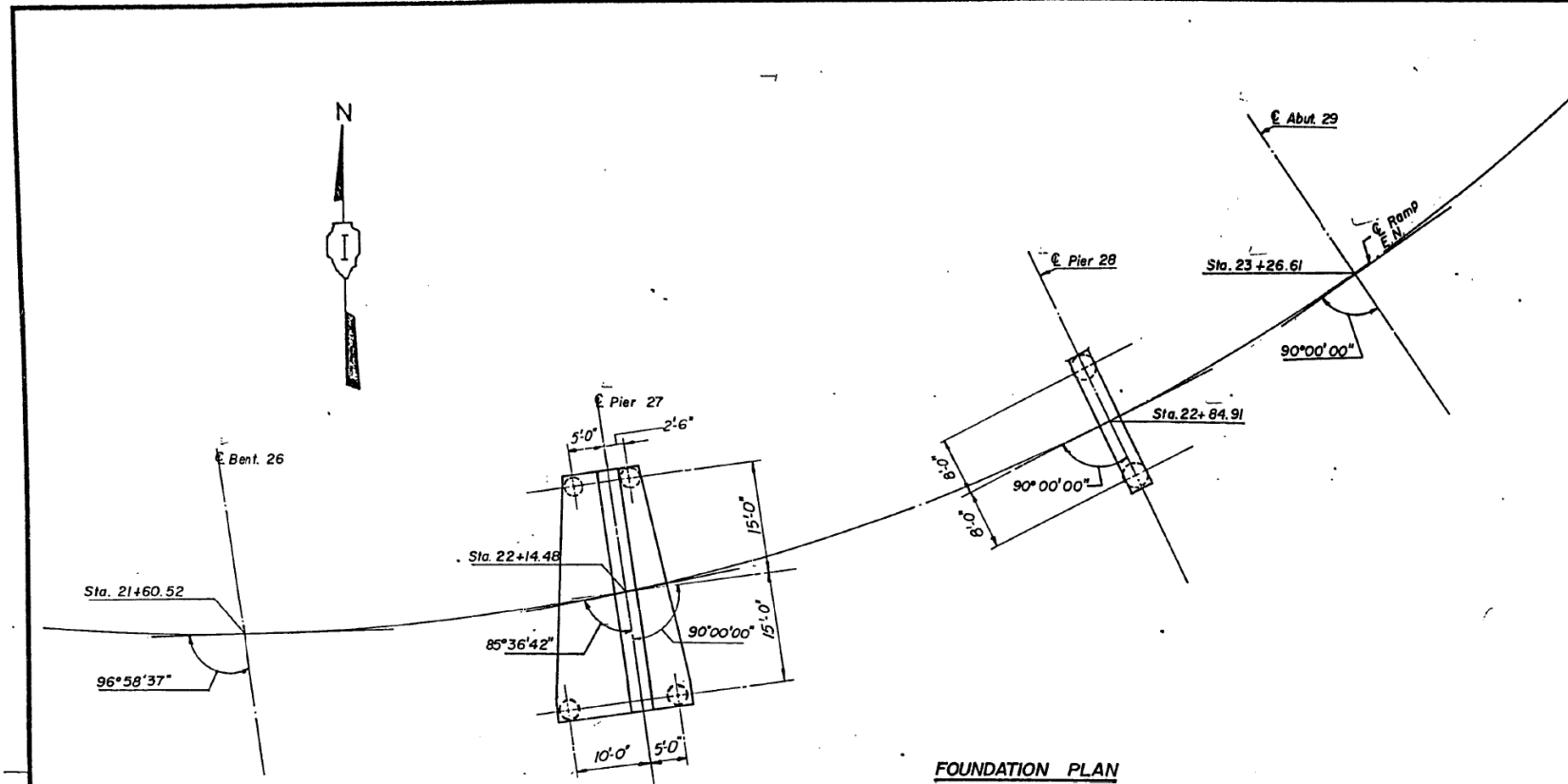
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	854

CONTRACT NO. 60X79

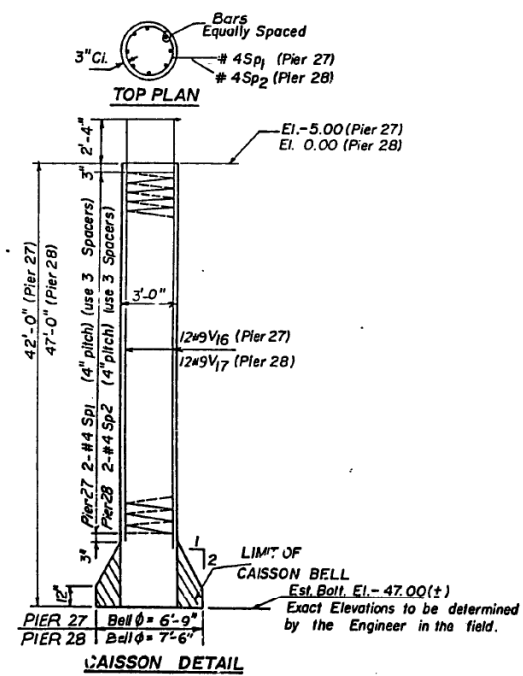
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# FOR INFORMATION ONLY

PROJECT NO.	SECTION	COUNTY	DATE	SHEET NO.
90/94	COOK	79	61	
FED. RD. DIST. NO. ILLINOIS FED. AID PROJECT				
1985-080-R				



FOUNDATION PLAN



BILL OF MATERIAL				
Bar	NO.	Size	Length	Shape
V16	48	#9	39'-8"	---
V17	24	#9	43'-10"	---
Sp1	8	#4	52'	---
Sp2	4	#4	603'	---
Item	Unit	Quantity		
Reinforcement Bars	lbs	14,500		
Caisson Shafts	Cu. ft.	1,860		
Caisson Bells	Cu. ft.	52'		

NOTE: Bearing Capacity @ Bottom of Caisson = 12 K/s.f.

### GENERAL NOTES

- See Proposal for Boring Data and Historical Plans Dated July 1960.
- Fasteners shall be high strength bolts. Bolts 1/2", open holes 3/4", bolts 3/4", open holes 1 1/4", unless otherwise noted.
- Calculated weight of Structural Steel =  $44-183 = 47,310$  Lbs.  
=  $M-223 \text{ Gr} 50 = 166,480$  Lbs.
- Field welding of construction accessories will not be permitted to the bottom flange of beams nor to the top flange for a distance equal to one-fourth the span length each way from the pier support. Field welding in other areas will be permitted only when approved by the Engineer.
- Anchor bolts shall be set before bolting diaphragms over support.
- The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M223.6-50.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Hatch Toughness Zone 2. These components are the wide Flange Beams (the tension flanges, webs) and all splice plate material of the steel girders.
- The Zinc-silicate and vinyl paint system shall be used for shop and field painting of Structural Steel except where otherwise noted.
- Exterior beams: The final finish coat shall be a medium yellow vinyl enamel paint which conforms with Section 712, Article 712.26 of the Supplement Specification and as directed by the Engineer. The intermediate coat shall be a High-Build vinyl paint of a color which shall be distinct from the final coat.
- Interior beams: The finish coat shall be a Aluminum colored High-Build vinyl paint which conforms with Section 712, Article 712.26 of the Supplement Specification and as directed by the Engineer.
- Plan dimension and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustment prior to construction or ordering of materials. Such variation shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Expansion bolts shall consist of approved expansion anchors, providing minimum certified proof load = 4,080 lbs., and 1/2" x 12" hooked bolts.
- Bearing seat surface shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. (For Type I Elastomeric bearings, shims of the dimensions of top plate shall be provided and placed as detailed.)
- Reinforcement bars shall conform to the requirements of AASHTO M-21, M-42 or M-53, Grade 60.
- All High strength bolt connections shall conform to the requirements of the latest issue of the Specifications for Structural Joints using ASTM A325 (M16), or A490 (M253) bolts for slip-critical connections. Except tightening methods using either the load indicating washers or the calibrated wrench are not allowed.

SHEET EN - 2 OF EN-14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 - R - COOK COUNTY  
EAST - NORTH RAMP OVER F.A.I. 90/94  
GENERAL NOTES & FOUNDATION DETAILS

Scale: None  
Date: July 14, 1987  
Drawn By: S.O.D.  
Checked By: J.M.P.  
ENVIRONMENTAL ENGINEERS INC.  
Chicago, Illinois

REVISIONS	
Name	Date
REVISION	4-22-88

PLANS PREPARED BY  
P.G. ENGINEERING ASSOCIATES, INC.  
600 WEST JACKSON BLVD.  
CHICAGO, ILLINOIS, 60606

FILE NAME: D:\V1617479-PWINT-aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_111



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

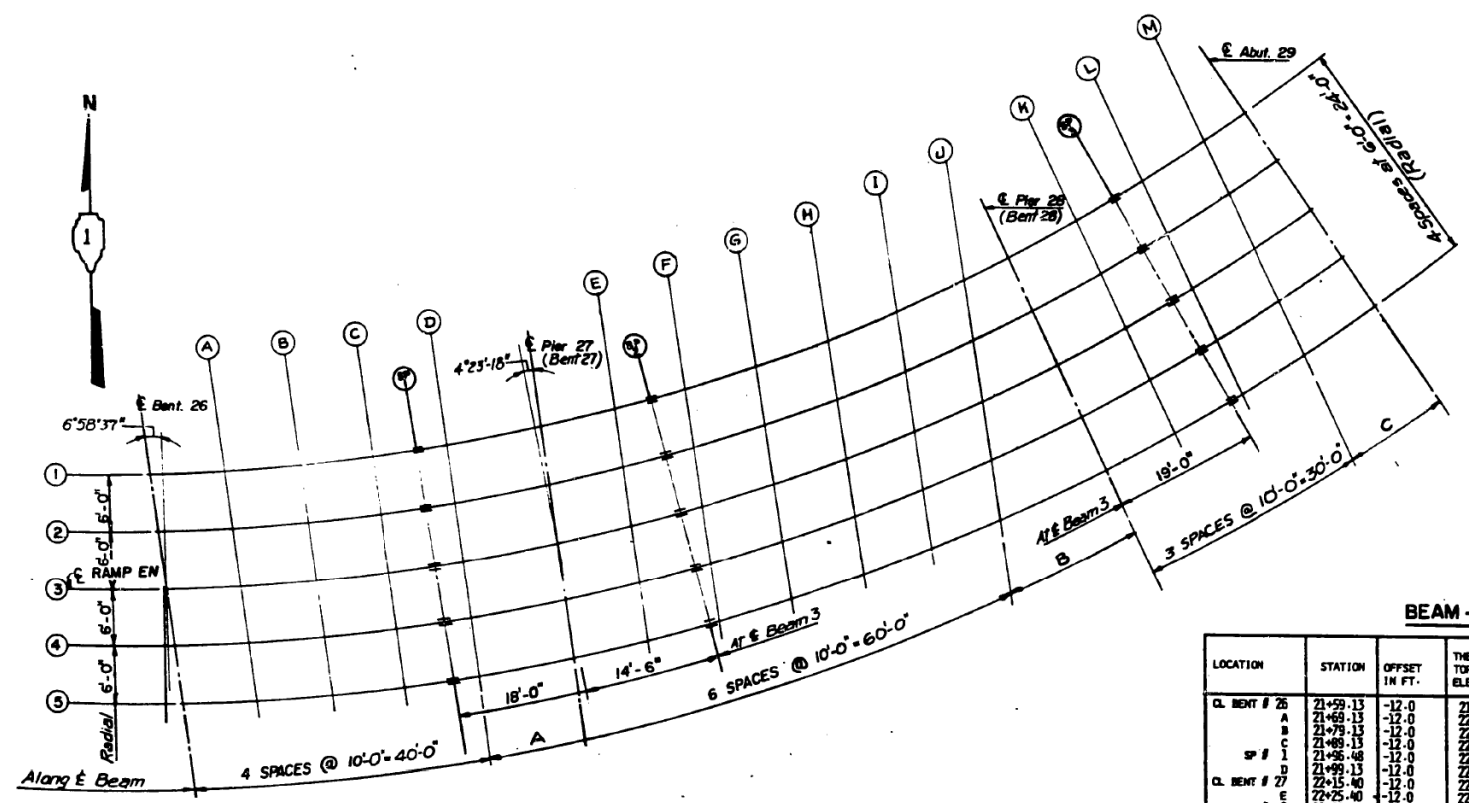
EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	855
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

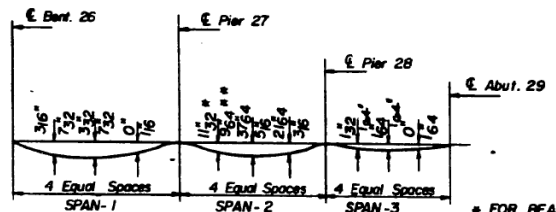
# FOR INFORMATION ONLY

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. AID PROJECT				

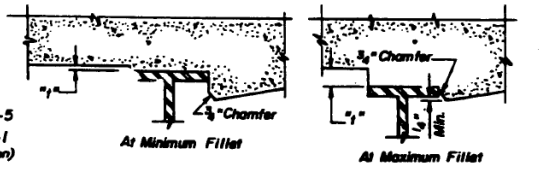


NOTE: All Screed Lines are along & Beams.  
For dimensions A, B & C, See Table.

PLAN



**DEAD LOAD DEFLECTION DIAGRAM**  
(Includes weight of concrete only)  
Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflection as shown.



To determine "f". After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

BEAM NUMBER	DISTANCES IN FEET		
	A	B	C
BEAM NO. 1	13.942	6.038	9.913
BEAM NO. 2	13.565	6.461	10.805
BEAM NO. 3	13.960	10.430	11.700
BEAM NO. 4	13.969	12.400	12.594
BEAM NO. 5	13.978	14.370	13.487

BEAM - 1

LOCATION	STATION	OFFSET IN FT.	THEORETICAL TOP OF SLAB ELEVATIONS	TOP OF SLAB ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
CL. BENT # 26	21+59.13	-12.0	21.977	21.977
A	21+60.13	-12.0	22.075	22.085
B	21+79.13	-12.0	22.185	22.184
C	21+88.13	-12.0	22.288	22.286
SP # 1	21+96.48	-12.0	22.307	22.307
D	21+99.13	-12.0	22.203	22.207
CL. BENT # 27	22+15.40	-12.0	22.168	22.168
E	22+25.40	-12.0	22.110	22.115
F	22+29.98	-12.0	22.062	22.087
G	22+35.40	-12.0	22.024	22.043
H	22+45.40	-12.0	21.910	21.936
I	22+55.40	-12.0	21.769	21.791
J	22+65.40	-12.0	21.600	21.613
K	22+75.40	-12.0	21.405	21.413
CL. BENT # 28	22+84.91	-12.0	21.191	21.191
L	22+94.91	-12.0	20.940	20.980
SP # 2	23+03.91	-12.0	20.690	20.715
M	23+04.91	-12.0	20.461	20.489
N	23+14.91	-12.0	20.255	20.257
CL. ABUT # 29	23+26.61	-12.0	19.961	19.961

BEAM - 2

LOCATION	STATION	OFFSET IN FT.	THEORETICAL TOP OF SLAB ELEVATIONS	TOP OF SLAB ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
CL. BENT # 26	21+59.83	-6.0	22.225	22.225
A	21+69.83	-6.0	22.321	22.324
B	21+79.83	-6.0	22.389	22.408
C	21+89.83	-6.0	22.430	22.448
SP # 1	21+96.48	-6.0	22.447	22.447
D	21+99.83	-6.0	22.445	22.447
CL. BENT # 27	22+14.94	-6.0	22.410	22.410
E	22+24.94	-6.0	22.353	22.361
F	22+29.98	-6.0	22.322	22.326
G	22+34.94	-6.0	22.288	22.291
H	22+44.94	-6.0	22.156	22.166
I	22+54.94	-6.0	22.016	22.088
J	22+64.94	-6.0	21.848	21.875
K	22+74.94	-6.0	21.653	21.668
CL. BENT # 28	22+84.91	-6.0	21.431	21.431
L	22+94.91	-6.0	21.180	21.178
SP # 2	23+03.91	-6.0	20.930	20.931
M	23+04.91	-6.0	20.701	20.702
N	23+14.91	-6.0	20.595	20.597
CL. ABUT # 29	23+26.61	-6.0	20.201	20.201

BEAM - 3

LOCATION	STATION	OFFSET IN FT.	THEORETICAL TOP OF SLAB ELEVATIONS	TOP OF SLAB ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
CL. BENT # 26	21+60.52	0.0	22.461	22.461
A	21+70.52	0.0	22.566	22.584
B	21+80.52	0.0	22.633	22.636
C	21+90.52	0.0	22.672	22.689
SP # 1	22+00.52	0.0	22.682	22.682
D	22+10.52	0.0	22.683	22.686
E	22+14.48	0.0	22.652	22.652
F	22+24.48	0.0	22.562	22.573
G	22+34.48	0.0	22.559	22.562
H	22+44.48	0.0	22.513	22.542
I	22+54.48	0.0	22.402	22.436
J	22+64.48	0.0	22.263	22.300
K	22+74.48	0.0	22.097	22.128
CL. BENT # 27	22+84.91	0.0	21.903	21.916
L	22+94.91	0.0	21.671	21.671
M	22+94.91	0.0	21.420	21.422
SP # 2	23+05.91	0.0	21.171	21.171
N	23+04.91	0.0	21.142	21.142
O	23+14.91	0.0	20.835	21.837
CL. ABUT # 29	23+26.61	0.0	20.441	20.441

BEAM - 4

LOCATION	STATION	OFFSET IN FT.	THEORETICAL TOP OF SLAB ELEVATIONS	TOP OF SLAB ELEV. ADJUSTED FOR DEAD LOAD DEFLECTION
CL. BENT # 26	21+61.22	6.0	22.720	22.720
A	21+71.22	6.0	22.817	22.831
B	21+81.22	6.0	22.877	22.882
C	21+91.22	6.0	22.913	22.913
SP # 1	21+96.48	6.0	22.922	22.930
D	22+01.22	6.0	22.927	22.925
E	22+11.22	6.0	22.893	22.893
F	22+21.22	6.0	22.802	22.838
G	22+31.22	6.0	22.757	22.791
H	22+41.22	6.0	22.648	22.672
I	22+51.22	6.0	22.482	22.553
J	22+61.22	6.0	22.345	22.380
K	22+71.22	6.0	22.152	22.167
CL. BENT # 27	22+81.22	6.0	21.911	21.911
L	22+91.22	6.0	21.660	21.662
M	23+01.22	6.0	21.410	21.412
N	23+11.22	6.0	21.381	21.518
O	23+21.22	6.0	21.075	21.098
CL. ABUT # 29	23+26.61	6.0	20.681	20.681

BEAM - 5

LOCATION	STATION	OFFSET IN FT.	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
CL. BENT # 26	21+61.91	12.0	23.000	22.967
A	21+71.91	12.0	23.000	23.071
B	21+81.91	12.0	23.000	23.121
C	21+91.91	12.0	23.000	23.169
SP # 1	21+96.48	12.0	23.000	23.165
D	22+01.91	12.0	23.000	23.164
E	22+11.91	12.0	23.000	23.135
F	22+21.91	12.0	23.000	23.159
G	22+31.91	12.0	23.000	23.082
H	22+41.91	12.0	23.000	23.046
I	22+51.91	12.0	22.893	22.937
J	22+61.91	12.0	22.757	22.805
K	22+71.91	12.0	22.573	22.612
L	22+81.91	12.0	22.402	22.419
M	22+91.91	12.0	22.152	22.151
CL. BENT # 27	22+91.91	12.0	21.900	21.902
N	23+01.91	12.0	21.650	21.653
SP # 2	23+11.91	12.0	21.422	21.622
O	23+21.91	12.0	21.215	21.317
CL. ABUT # 29	23+26.61	12.0	20.921	20.921

SHEET EN-3 OF EN-14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 - R - COOK COUNTY  
EAST - NORTH RAMP OVER F.A.I. 90/94  
DECK ELEVATION LOCATION PLAN

REVISIONS	
Name	Date

PLANS PREPARED BY  
P.A. ENGINEERING ASSOCIATES, INC.  
600 WEST JACKSON BLVD.  
CHICAGO, ILLINOIS, 60606

Scale: None  
Checked By: S.D.D.  
Checked By:  
ENVIRODYNE ENGINEERS INC.  
Chicago, Illinois

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USER NAME =	ahmad,issa	DESIGNED -	DESIGNED -	REVISED -	REVISED -
PLOT SCALE =	N.T.S	CHECKED -	CHECKED -	REVISED -	REVISED -
PLOT DATE =	7/26/2018	DRAWN -	DRAWN -	REVISED -	REVISED -
		CHECKED -	MI, MAI	REVISED -	REVISED -

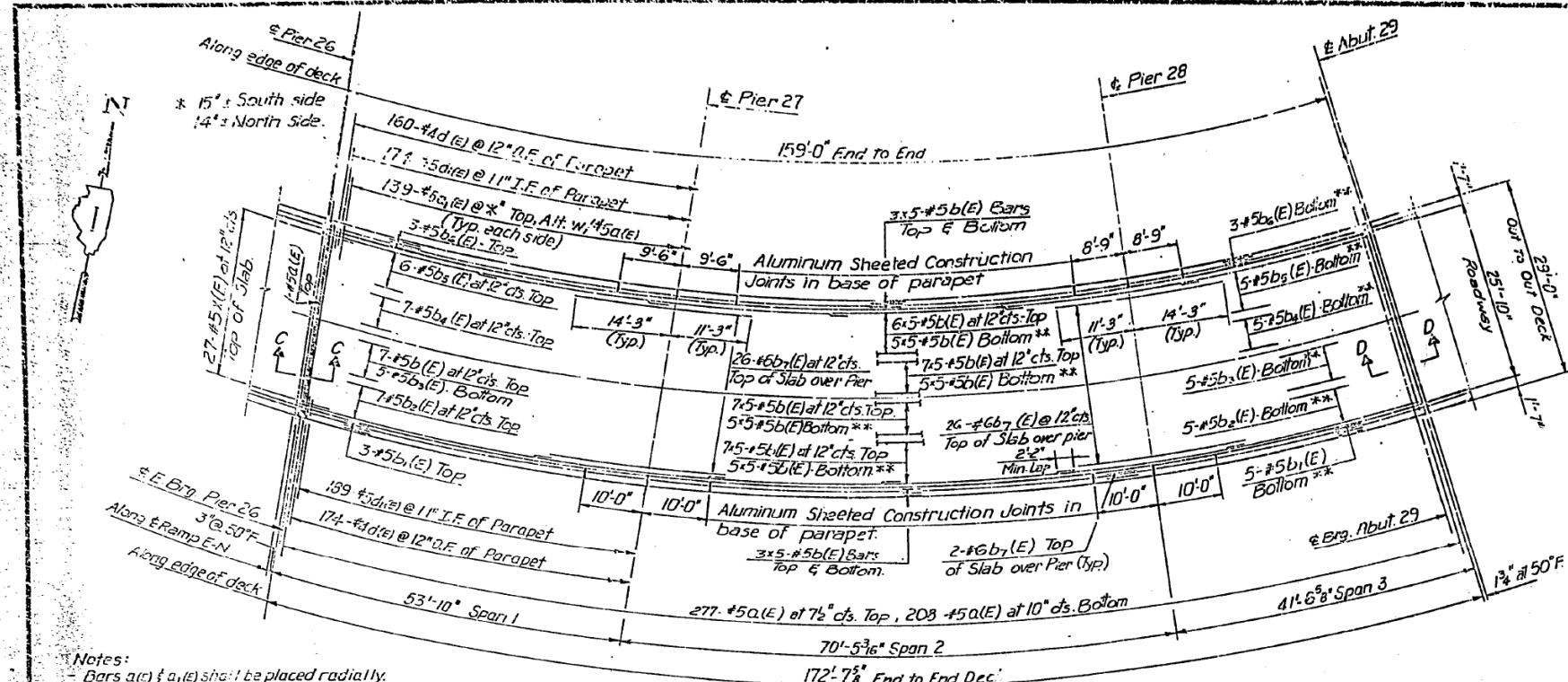
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	856
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



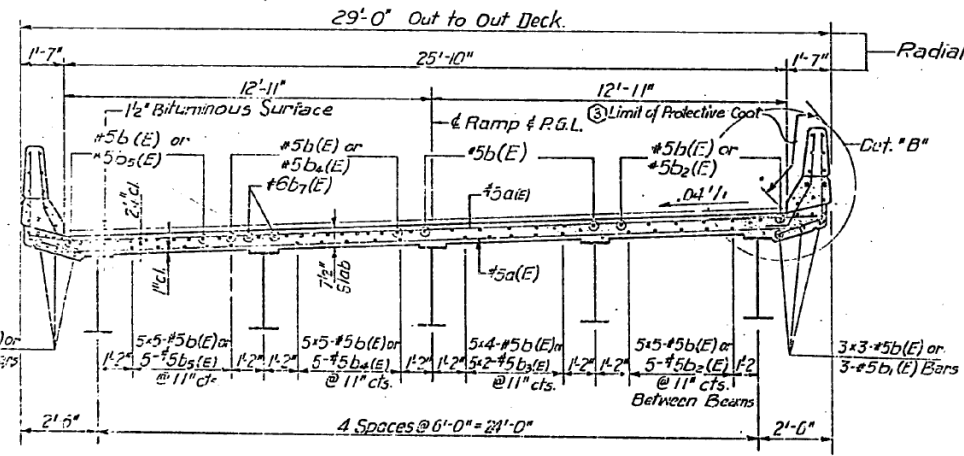
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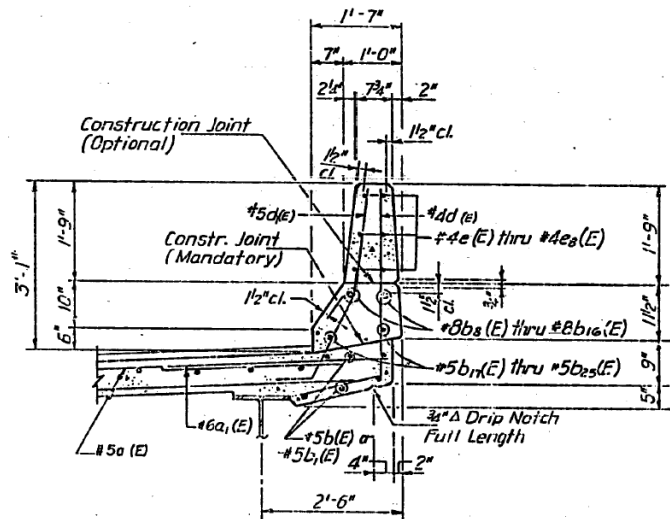
Notes:  
 - Bars a(m) & a(e) shall be placed radially.  
 - Spacing shown is the maximum spacing to be used along the South edge of deck.  
 - Fan Bars a(E) & a(E) near Pier 26.  
 - Bars shown thus 7x5-#5 etc. indicates 7 lines of #5 bars with 5 lengths per line.  
 - Minimum Lap: #5 Bars = 2'-2"  
 #8 Bars = 3'-9"

PLAN

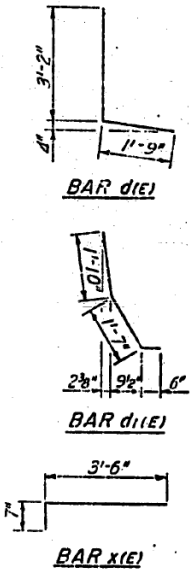
\*\* For Spacing see Section A-A



SECTION A-A



DETAIL "B"



BILL OF MATERIAL	
Bar	No. Size Length Shape
a (E)	4#6 #5 77'-0"
a1 (E)	27#8 #8 4'-0"
b (E)	302 #5 30'-0"
b1 (E)	6 #5 33'-7"
b2 (E)	12 #5 32'-10"
b3 (E)	10 #5 18'-1"
b4 (E)	12 #5 26'-8"
b5 (E)	11 #5 23'-7"
b6 (E)	6 #5 23'-0"
b7 (E)	60 #6 25'-6"
b8 (E)	4 #8 25'-11"
b9 (E)	1 #8 23'-10"
b10 (E)	1 #8 9'-3"
b11 (E)	6 #8 9'-9"
b12 (E)	4 #8 20'-9"
b13 (E)	4 #8 20'-1"
b14 (E)	4 #8 8'-6"
b15 (E)	4 #8 16'-7"
b16 (E)	4 #8 18'-2"
b17 (E)	4 #5 33'-2"
b18 (E)	4 #5 22'-11"
b19 (E)	4 #5 9'-3"
b20 (E)	8 #5 9'-5"
b21 (E)	4 #5 24'-11"
b22 (E)	4 #5 26'-4"
b23 (E)	4 #5 0'-6"
b24 (E)	4 #5 15'-10"
b25 (E)	4 #5 18'-2"
d (E)	334 #4 4'-11"
d1 (E)	353 #5 3'-11"
e (E)	18 #4 14'-7"
e1 (E)	12 #4 9'-3"
e2 (E)	18 #4 15'-9"
e3 (E)	12 #4 8'-6"
e4 (E)	18 #4 10'-1"
e5 (E)	18 #4 14'-5"
e6 (E)	24 #4 9'-9"
e7 (E)	10 #4 18'-0"
e8 (E)	18 #4 11'-0"
x (E)	27 #5 4'-1"
Class X Concrete @ Cu. Yds 202	
Reinforcement Bar lbs 35225	
EPOXY COATED	

NOTE: -For Section C-C and D-D see Sheet EN-5.  
 -For Superstructure details see Sheet EN-5.  
 -All Reinforcement Bars in Superstructure shall be Epoxy coated.

SHEET EN-4 OF EN-14

REVISIONS	
Name	Date
(1) Revision	3-11-98

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION: 1985 - 080 - R - COOK COUNTY  
 EAST-NORTH RAMP OVER F.A.I. 90/94  
 DECK DETAILS  
 Scale: None  
 Date: Aug. 11, 1987  
 Drawn By: S.P.D.  
 Checked By: J.M.P.  
 ENVIRONMENTAL ENGINEERS INC.  
 CHICAGO, ILLINOIS

PLANS PREPARED BY  
 P.G. ENGINEERING ASSOCIATES, INC.  
 640 WEST JACKSON BLVD.  
 CHICAGO, ILLINOIS, 60601

FILE NAME: DWG:\161749-PWINT-accomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_113



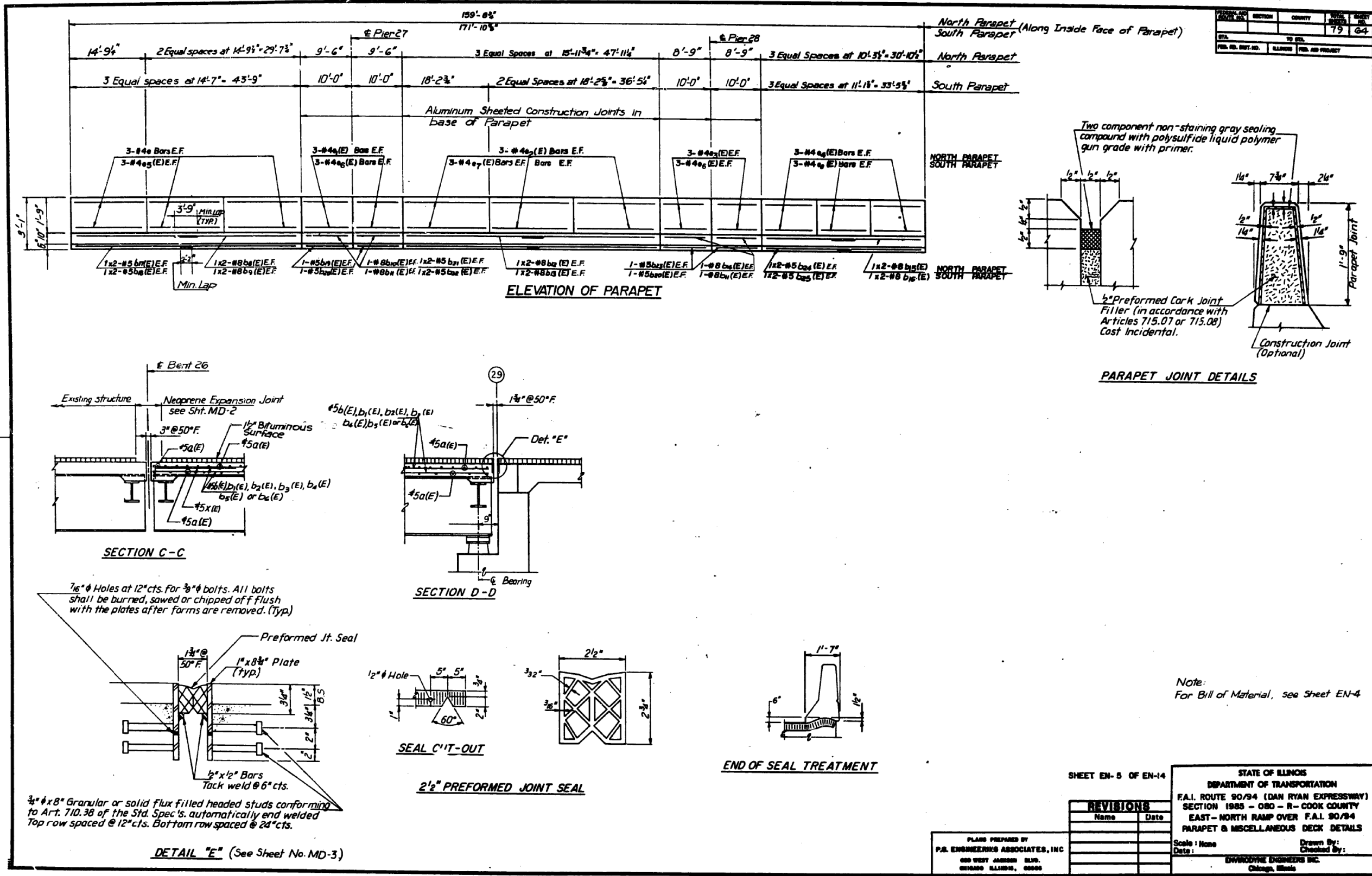
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PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	857
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

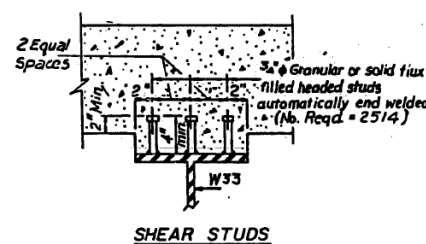
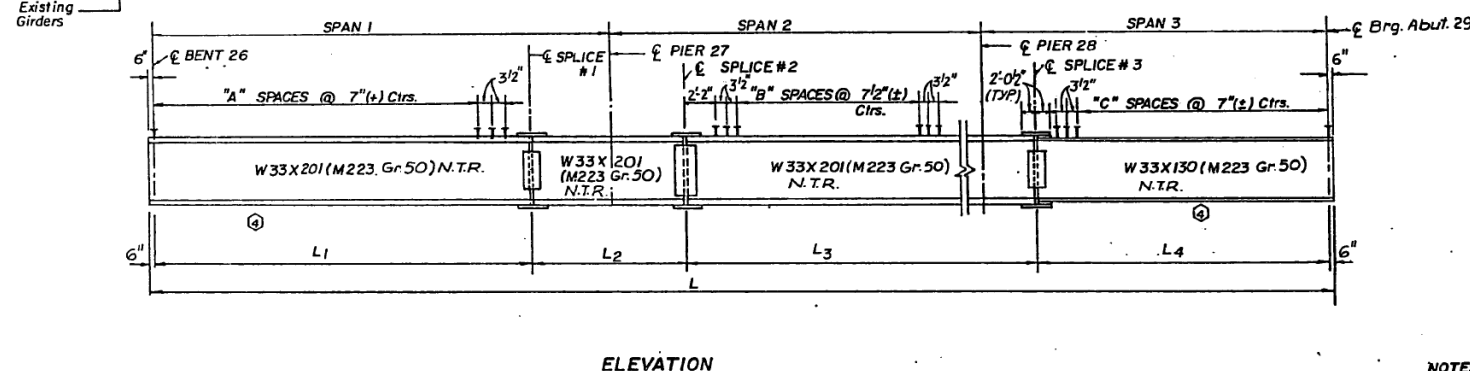
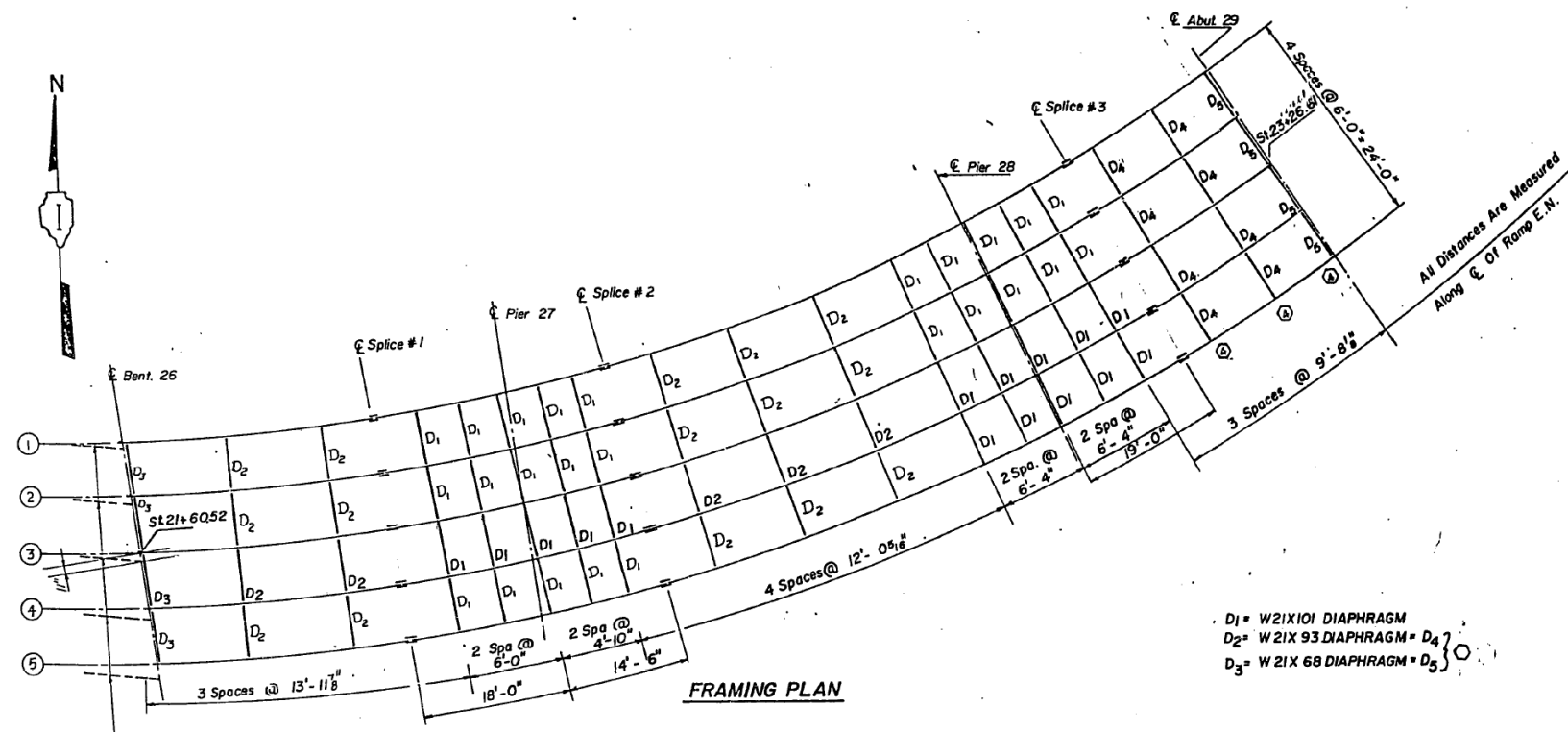
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# FOR INFORMATION ONLY

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	79	65
FED. PROJ. DIST. NO. ILLINOIS FED. AID PROJECT				
# 1985-080-R				



INTERIOR BEAM MOMENT TABLE

	Span 1	Pier 27	Span 2	Pier 28	Span 3
$I_s$ (in <sup>4</sup> )	11500	11500	11500	11500	6710
$I_c$ (in <sup>4</sup> )	24407	24407	24407	24407	16618
$S_s$ (in <sup>3</sup> )	684	684	684	684	406
$S_c$ (in <sup>3</sup> )	897	897	897	897	575
$S_{bi}$ (in <sup>3</sup> )	47.52	47.52	47.52	47.52	18.88
$R$ (K/')	0.793	1.170	0.873	1.180	0.816
$M_E$ (K)	113	516	260	438	50
$s R$ (K/')	0.333	-	0.333	-	0.333
$M_{sR}$ (K)	57	-	108	-	29
$M_t$ (K)	309	253	438	225	244
$M_{imp}$ (K)	86	67	110	62	73
$S_y (M_t + I)$ (K)	658	533	915	478	528
$M_o$ (K)	1076	1364	1665	1191	789
$M_{bi}$ (K)	22.19	5.19	23.35	5.03	7.85
$f_s$ non-comp (ksi)	1.98	9.05	4.56	7.68	1.48
$f_s$ comp (ksi)	0.76	-	1.44	-	0.61
$f_s$ (k + i) (ksi)	6.80	9.35	12.21	8.40	11.02
$f_w$ (ksi)	5.60	1.31	6.40	1.27	4.99
$f_s + f_w$ (Overload) (ksi)	15.85	19.41	23.13	17.06	16.95
$f_s$ (Total) (ksi)	15.00	23.92	23.67	20.90	17.04
$f_s$ (Total) + $f_w$ (ksi)	20.60	25.23	30.07	22.17	22.03
VR (K)	43.10	-	48.20	-	45.00
Fb (ksi)	50.0	50.0	50.0	50.0	50.0

$F_b$  - Maximum allowable stress  $F_{b1}$  or  $F_{b2}$  computed according to AASHTO (Guide Specifications for Horizontally Curved Highway Bridges Section 2.12 (B) and 2.16).

$I_s$  and  $S_s$  are the moment of inertia and section modulus of the steel section used in computing  $f_s$  (Total and Overload).

$I_c$  and  $S_{c1}$  are the moment of inertia and section modulus of the composite section used in computing  $f_s$  (Total and Overload).

VR is the maximum  $\pm$  impact shear range in span.

$M_o$  (Applied Moment) =  $1.3 (M_E + M_s R + \frac{1}{2} (M_t + I))$

$f_s + f_w$  (Overload) is the sum of the stress due to  $1.3 (M_E + M_s R + \frac{1}{2} (M_t + I)) + M_{bi} / 1.3$ .

$f_s$  (Total) is the sum of the stress due to  $1.3 (M_E + M_s R + \frac{1}{2} (M_t + I))$ .

$S_{bi}$  is the section modulus for one flange plate for lateral flange bending.

$M_{bi}$  is the lateral bending moment for flange plate (factored).

$f_s$  is the calculated normal stress at the edge of flange due to lateral bending (factored).

$M_t$  and  $R_t$  have been increased due to the effect of centrifugal force and superelevation.

INTERIOR BEAM REACTION TABLE

	Bent #26	Pier #27	Pier #28	Abut #29
$R_E$ (K)	24.77	99.31	89.15	174.6
$R_t$ (K)	32.63	35.36	57.92	31.38
$I_{mp}$ (K)	9.17	9.34	10.28	9.32
$R_{TOTAL}$ (K)	66.57	144.01	137.35	56.16

TOP OF BEAM ELEVATIONS

LOCATION BEAM NO.	Brig. Bent #26	Splice #1	Pier #27	Splice #2	Pier #28	Splice #3	Abut #29
1	21.310	21.436	21.370	21.316	20.277	19.924	19.294
2	21.559	21.676	21.610	21.556	20.517	20.164	19.534
3	21.794	21.916	21.848	21.793	20.756	20.404	19.774
4	22.053	22.156	22.090	22.036	20.997	20.644	20.014
5	22.300	22.395	22.329	22.276	21.237	21.884	20.254

LENGTH BEAM NO.

Span-1	Span-2	Span-3	L1	L2	L3	L4	L	A	B	C	
1	53'-3 3/8"	66'-5 1/2"	39'-2 3/8"	36'-1 1/8"	31'-1 1/8"	70'-9 3/8"	21'-0 3/8"	150'-0 1/8"	56	61	31
2	53'-3 3/8"	68'-5 1/2"	40'-0 3/8"	35'-7 1/8"	31'-9 3/8"	72'-10 3/8"	21'-5 3/8"	162'-9 3/8"	56	63	33
3	53'-2 1/2"	70'-5 1/2"	40'-11 3/8"	35'-2 1/2"	32'-6"	74'-11 3/8"	21'-11 3/8"	165'-7 1/8"	57	65	34
4	53'-1 1/2"	72'-4 1/8"	41'-9 3/8"	34'-9 3/8"	33'-2 3/8"	76'-11 3/8"	22'-5 1/8"	168'-4 3/8"	57	69	35
5	53'-1 1/2"	74'-4 1/8"	42'-8 3/8"	34'-3 3/8"	33'-10 3/8"	79'-0 3/8"	22'-10 3/8"	171'-2 3/8"	57	72	36

SHEET EN-6 OF EN-14

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985-080-R-COOK COUNTY  
EAST-NORTH RAMP OVER F.A.I. 90/94  
FRAMING PLAN & DETAILS

Scale: None  
Date: AUG. 16, 1987

Drawn By: S.D.D.  
Checked By: J.M.P.

ENVIRODYNE ENGINEERS INC.  
Chicago, Illinois

PLANS PREPARED BY  
P.G. ENGINEERING ASSOCIATES, INC.  
600 WEST JACKSON BLVD.  
CHICAGO ILLINOIS, 60606

REVISIONS

Name	Date
REVISION	4-22-88

USER NAME =	ahmad, jssa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

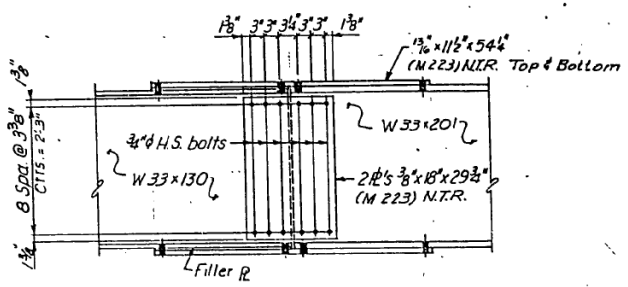
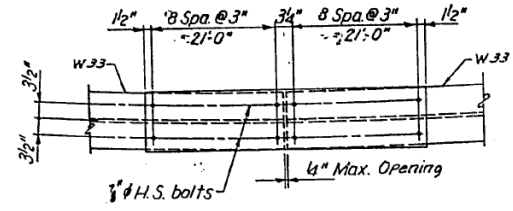
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	859
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				



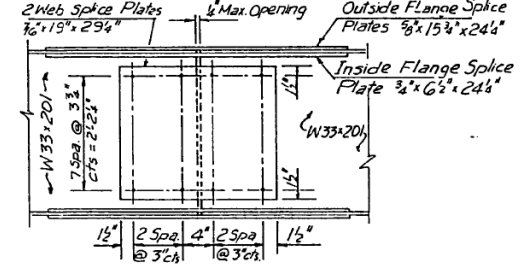
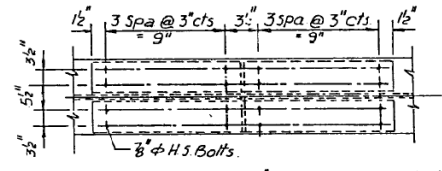
FILE NAME: p:\v1617479-PWINT-aecomonline\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\0000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_115

# FOR INFORMATION ONLY

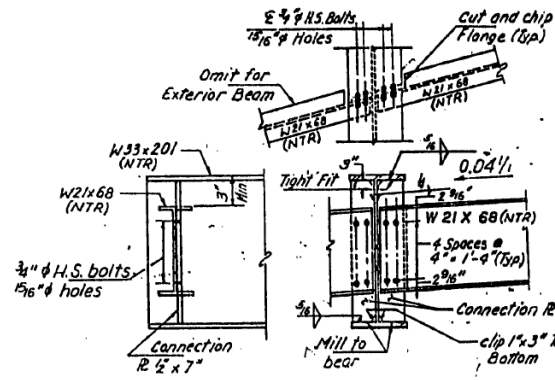
FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	#	COOK	79	66
STA.	TO STA.			
FED. AID DIST. NO.	ALIGNED	FED. AID PROJECT		
# 1985-080-R				



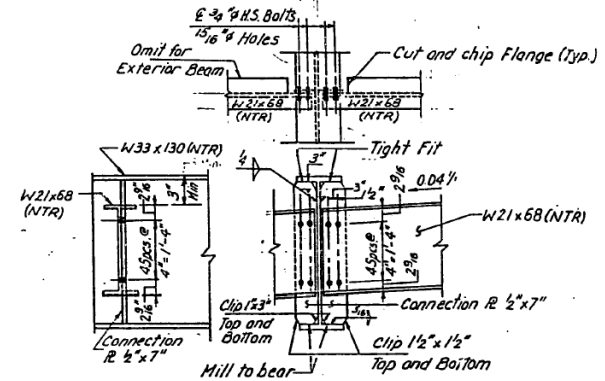
FIELD SPLICE DETAIL  
(SPlice NO. 3)



FIELD SPLICE DETAIL  
(SPlice NO. 1 & NO. 2)

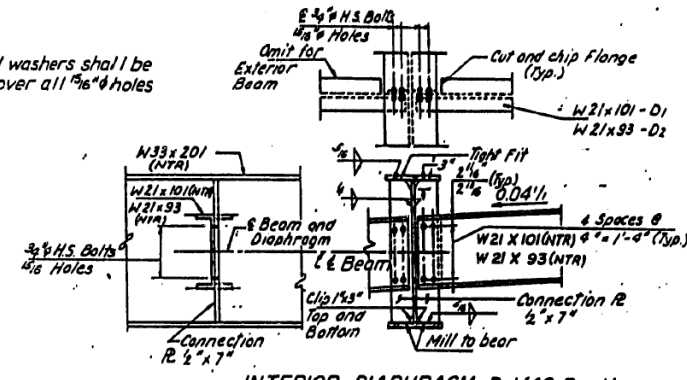


END DIAPHRAGM D-3 (4 Req.)

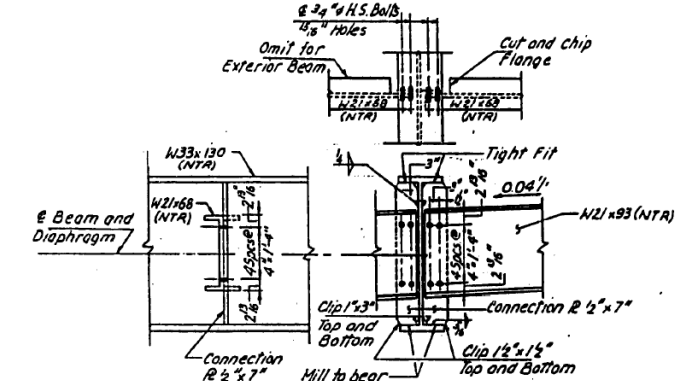


END DIAPHRAGM D-5 (4 Req.)

Note:  
Hardened washers shall be required over all 1/8 inch holes



INTERIOR DIAPHRAGM D-1 (40 Req.)  
INTERIOR DIAPHRAGM D-2 (20 Req.)



INTERIOR DIAPHRAGM D-4 (8 Req.)

SHEET EN - 7 OF EN-14

REVISIONS	
Name	Date
REVISION	4-22-88

PLANS PREPARED BY  
P.G. ENGINEERING ASSOCIATES, INC.  
600 WEST JACKSON BLVD.  
CHICAGO ILLINOIS, 60608

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 - R - COOK COUNTY  
EAST - NORTH RAMP OVER F.A.I. 90/94  
STEEL DETAILS  
Scale: None  
Date: AUG. 14, 1987  
Checked By: J.M.R.  
ENVIRODYNE ENGINEERS INC.  
Chicago, Illinois



USER NAME =	ahmad,Issa	DESIGNED -	-	REVISED -	-
PLOT SCALE =	N.T.S	CHECKED -	-	REVISED -	-
PLOT DATE =	7/26/2018	DRAWN -	-	REVISED -	-
		CHECKED -	MI, MAI	REVISED -	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

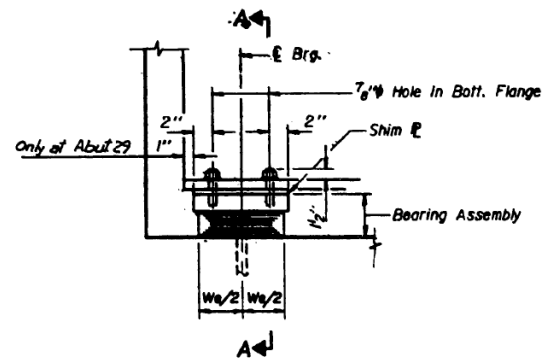
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	860
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

FILE NAME: D:\V1617479-PWINT-aecomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing Plans\016-1712-60X79-Sxx-Existing\_116

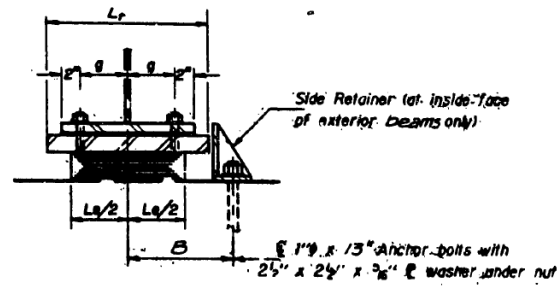
# FOR INFORMATION ONLY

## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

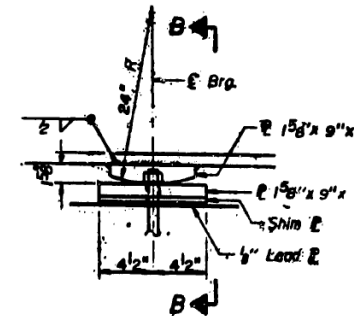
DATE	79	67	SHEET NO.
REVISED			



ELEVATION AT PIER 27 AND ABUT 29

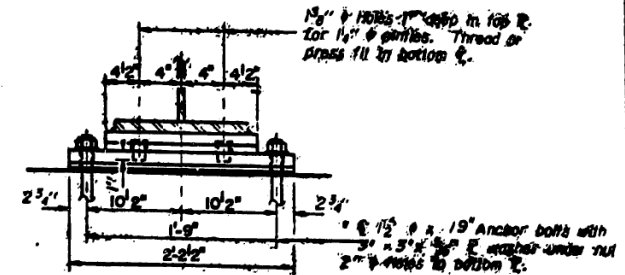


SECTION A-A



ELEVATION AT PIER 28  
(5 Required)

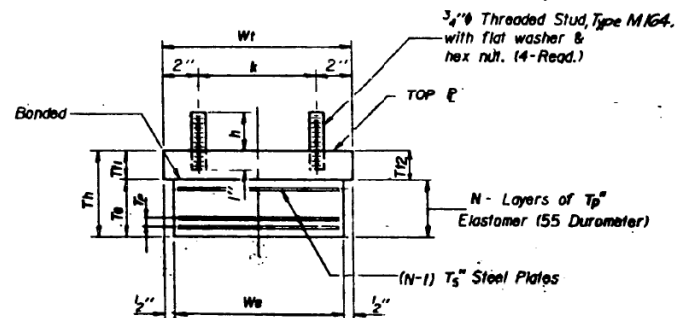
FIXED BEARING



SECTION B-B

TYPE I ELASTOMERIC EXP. BRG.  
(10 Required)

\* Notes: Anchor bolts at fixed bearings may be built into the masonry.  
See sheet MD-1 for Anchor Bolt installation.

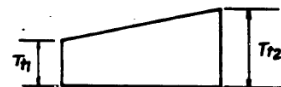


BEARING ASSEMBLY

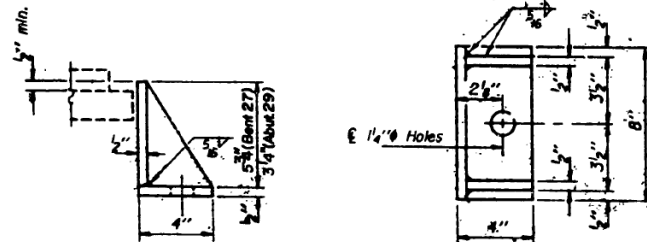
Note: Shim plates shall not be placed under Bearing Assembly.

Type I Elastomeric Exp. Bearing Dimension Table

PIER-ABUT LOCATION	Wt	L	Wt	g	k	h	N	Ts	Tp	T1	T12	Th	B	Lt	
Abut. 29	7"	12"	8"	3 3/8"	4"	2 1/2"	3"	3/16"	1 1/2"	3/8"	1 1/2"	2 1/2"	3 1/2"	9 1/2"	1'-2"
Abut. 27	12"	18"	15"	5 1/2"	9"	2 1/2"	4"	3/16"	2 1/2"	1 1/2"	2 1/2"	3 1/2"	12 1/2"	1'-0"	



TOP PLATE DETAIL



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Bent 27	Each	5
Assembly Type I Abut. 29	Each	5

SHEET EN-8 OF EN-14

REVISIONS

Name	Date

PLANS PREPARED BY  
P.A. ENGINEERING ASSOCIATES, INC.  
600 WEST JACKSON BLVD.  
CHICAGO, ILLINOIS, 60606

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 060 - R - COOK COUNTY  
EAST-NORTH RAMP OVER F.A.I. 90/94  
BEARING DETAILS - I  
Scale: None  
Date: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
ENVRODYNE ENGINEERS INC.  
Chicago, Illinois

USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

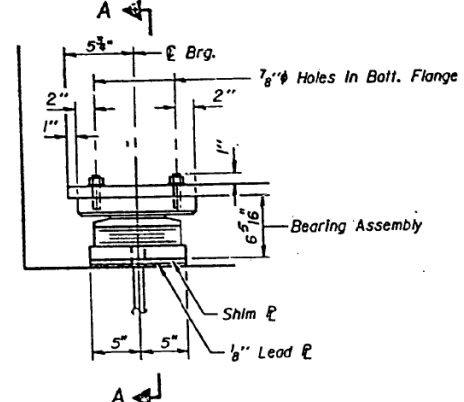
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	861
CONTRACT NO. 60X79				

FILE NAME: D:\V617479-PWINT-aecom\line\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-S&X-Existing\_117

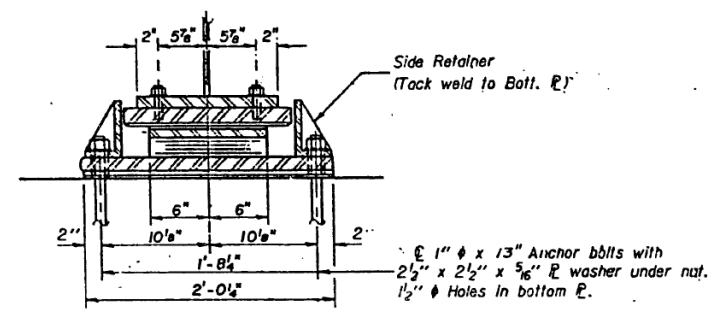
# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DATE	DESIGNER	CHECKER	DATE	SHEET NO.
9/9/74	COOK	79	68	
1985-080-R				



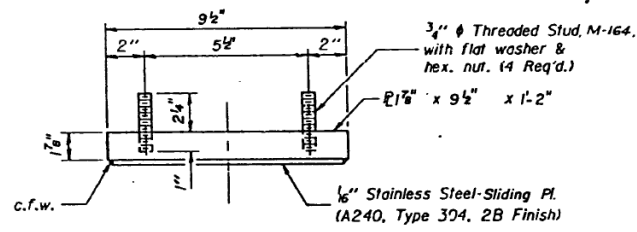
ELEVATION AT BENT.26



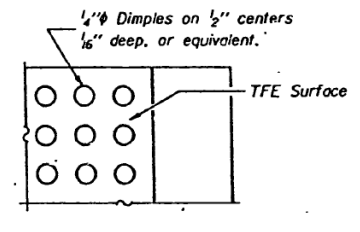
SECTION A-A

**TYPE II TFE ELASTOMERIC EXP. BRG.**  
(5 Required)

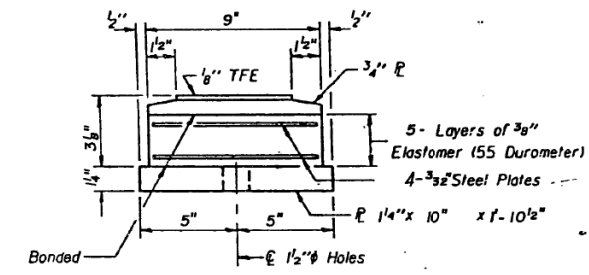
See sheet MD-1 for Anchor Bolt installation.



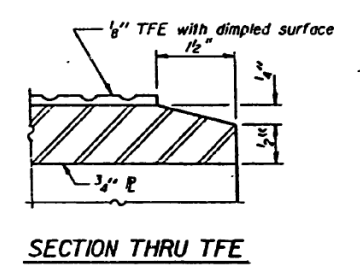
TOP BEARING ASSEMBLY



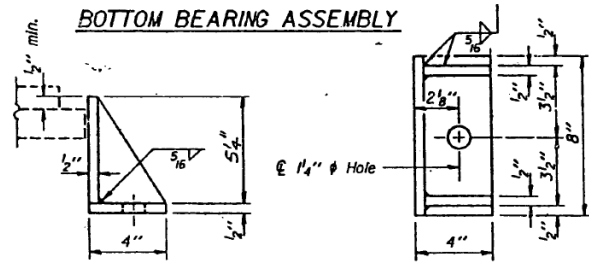
PLAN-TFE SURFACE



BOTTOM BEARING ASSEMBLY



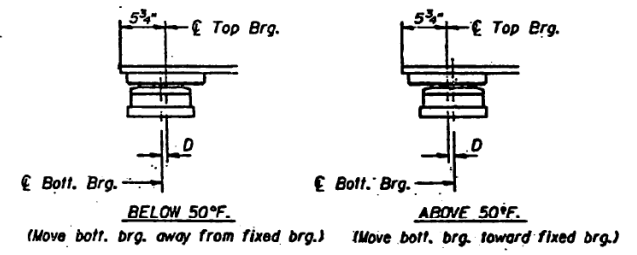
SECTION THRU TFE



**SIDE RETAINER**  
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

Note: The 1/8" TFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.

Bonding of 1/8" TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.



**SETTING ANCHOR BOLTS AT EXP. BRG.**  
D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

**BILL OF MATERIAL**

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	5

SHEET EN-9 OF EN-14

REVISIONS	
Name	Date
REVISION	4-22-88

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 - R - COOK COUNTY  
EAST - NORTH RAMP OVER F.A.I. 90/94  
BEARING DETAILS - II

Scale: None  
Date: AUG. 14, 1987  
Drawn By: S.O.D.  
Checked By: J.M.P.

ENVIRODYNE ENGINEERS INC.  
Chicago, Illinois

PLANS PREPARED BY  
P.G. ENGINEERING ASSOCIATES, INC.  
900 WEST JACKSON BLDG.  
CHICAGO ILLINOIS, 60606

FILE NAME: DWG:\61749-PWINT-aecom\line\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712-60X79-5x-Existing\_118



USER NAME = ahmad,issa	DESIGNED -	REVISED -
PLOT SCALE = N.T.S	CHECKED -	REVISED -
PLOT DATE = 7/26/2018	DRAWN -	REVISED -
	CHECKED - MI, MAI	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

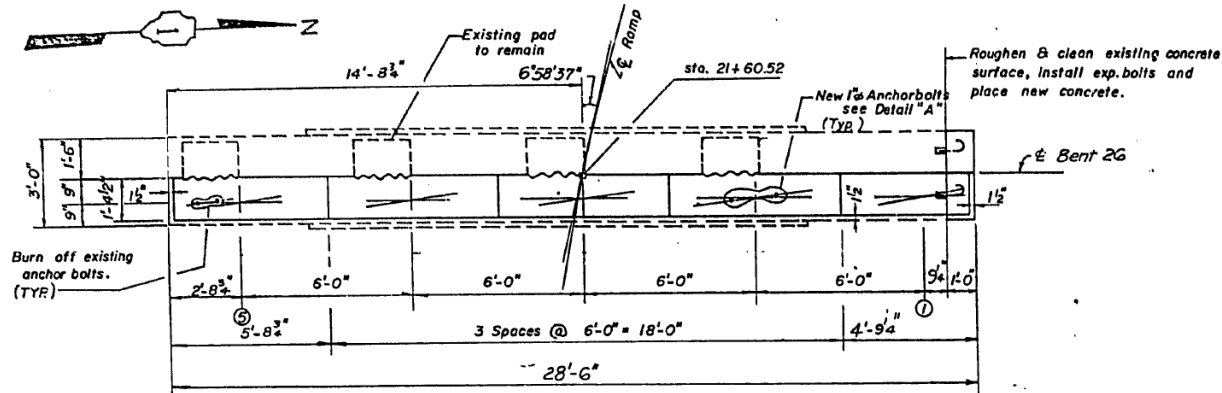
EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	862
CONTRACT NO. 60X79				

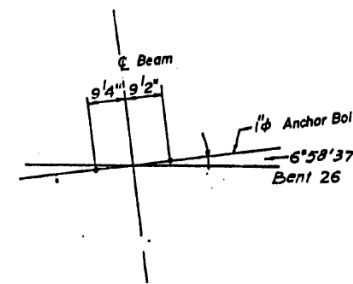
ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

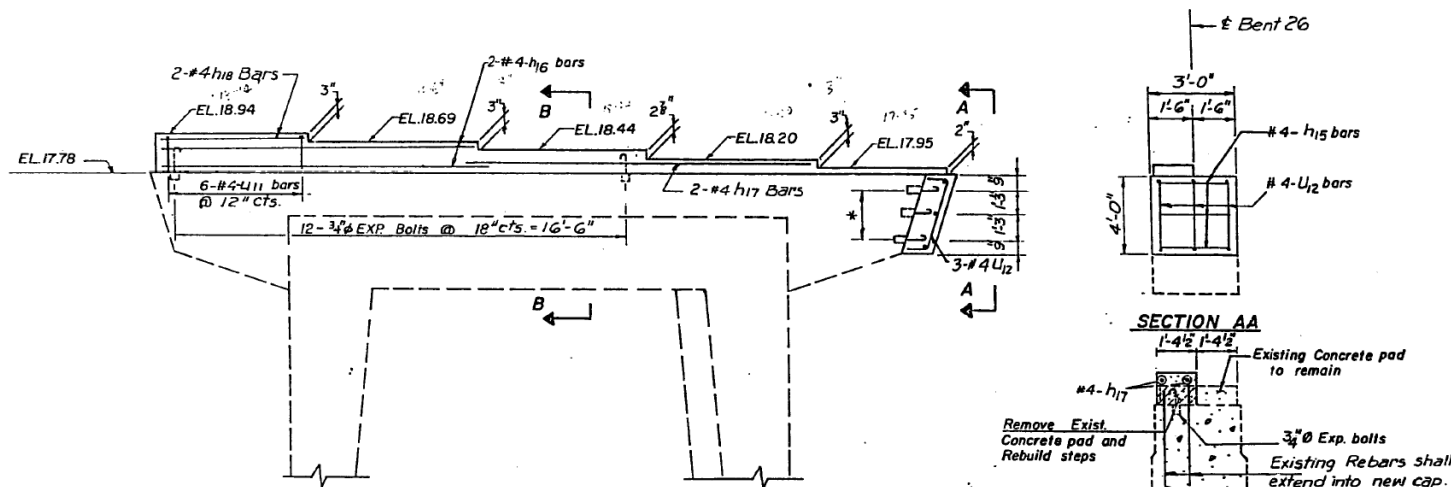
FEDERAL ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	6	COOK	19	69
STA.	TO STA.			
FED. NO. DIST. NO.	BLK/ROW	F.I.D. NO.	PROJECT	
			# 1985-080-R	



PLAN



DETAIL "A"  
(Anchor Bolt Location)



ELEVATION

(LOOKING WEST)

SECTION AA

\* Epoxy grout 3 Bars (E.F.) in 1"φx9" minimum drilled holes. Use a grout approved by the I.D.O.T. or epoxy grout in accordance with BSP-II (See Special provision) The Method of application shall be approved by the Engineer. (Quantity included in 3/4"φ Exp. Bolts)

NOTE: Dotted lines indicate existing concrete outline.

LEGEND:  
 Indicates Concrete removal.

BILL OF MATERIAL				
Bar.	No.	Size	Length	Shape
h15	3	#4	2'-8"	
h16	4	#4	11'-6"	
h17	2	#4	13'-6"	
h18	2	#4	5'-3"	
U11	6	#4	2'-8"	
U12	3	#4	5'-2"	
ITEM		UNIT	QTY.	
Exp. Bolts 3/4" φ		EA.	18	
Class X Concrete		Cu. Yd.	1.5	
Reinforcement bars		Lbs.	85	

Bar	A	B
U11	1'-0"	10"
U12	3'-8"	9"

SHEET EN-10 OF EN-14

REVISIONS	
Name	Date
REVISION	4-22-88

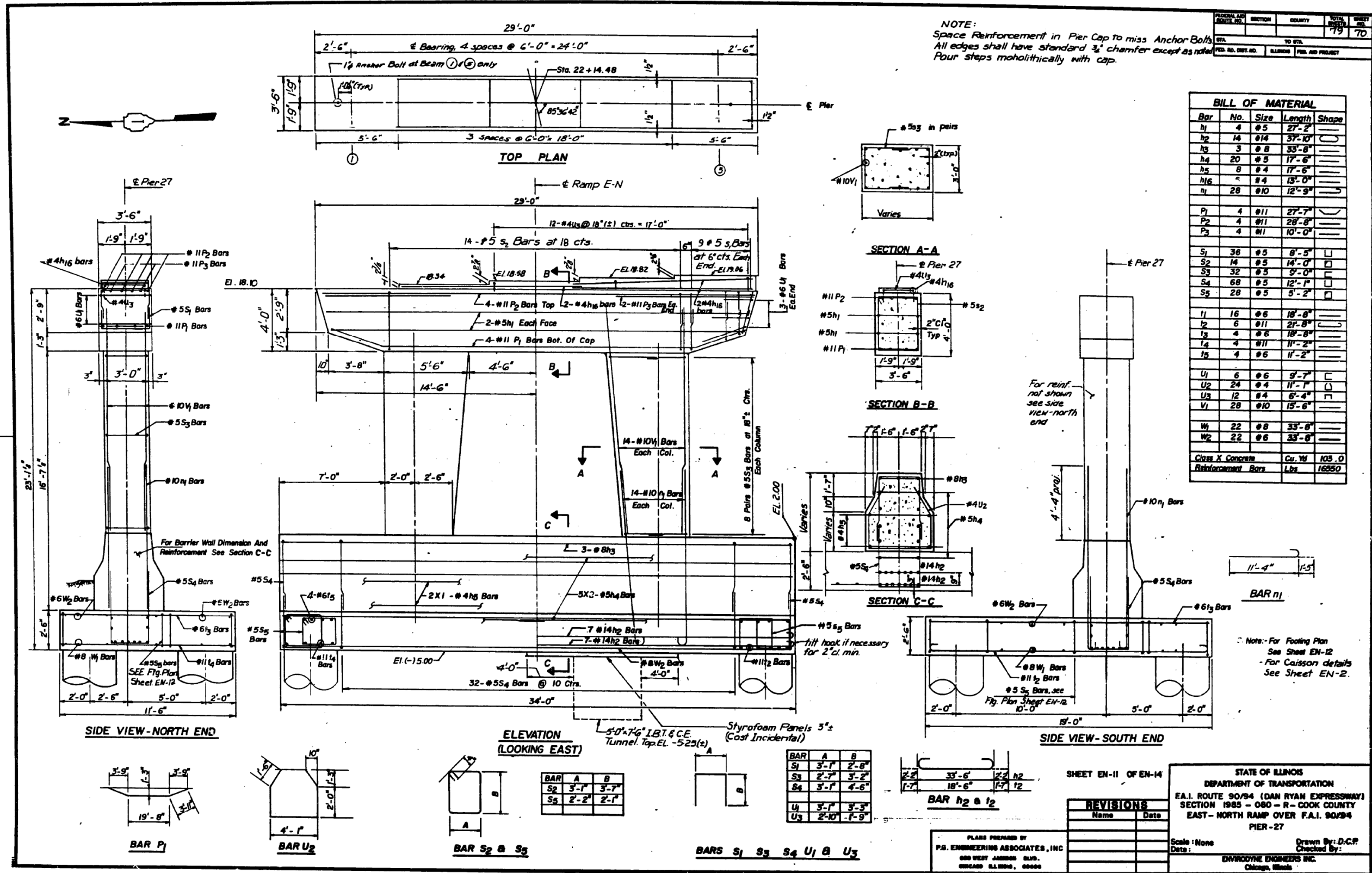
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1985 - 080 - R - COOK COUNTY  
 EAST - NORTH RAMP OVER F.A.I. 90/94  
 BENT - 26

Scale: None  
 Date: Aug. 14, 1987  
 Drawn By: J.S.P.  
 Checked By: J.L.P.  
 ENVIROTYPE ENGINEERS INC.  
 Chicago, Illinois

USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	863
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



FILE NAME: D:\V16\17479-PWINT-aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_120



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	

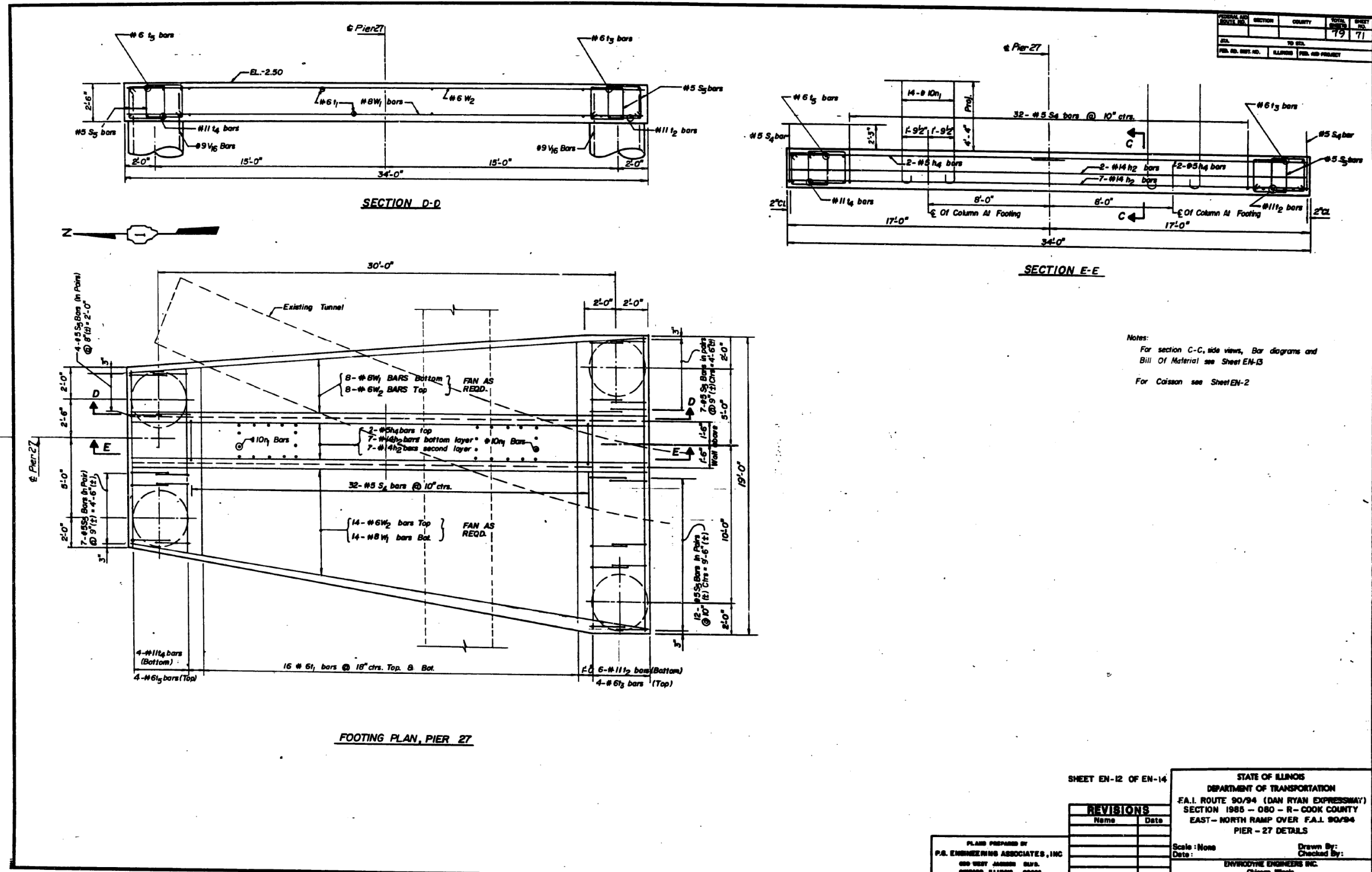
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	864
CONTRACT NO. 60X79				
ILLINOIS FED.AID PROJECT				



# FOR INFORMATION ONLY



FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			79	71
TO BE				
FED. AID PROJECT				

SHEET EN-12 OF EN-14

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1985 - 080 - R - COOK COUNTY  
 EAST - NORTH RAMP OVER F.A.I. 90/94  
 PIER - 27 DETAILS

Scale: None  
 Date:

Drawn By:  
 Checked By:

ENVIROTECH ENGINEERS INC.  
 Chicago, Illinois

REVISIONS	
Name	Date

PLANS PREPARED BY  
 P.A. ENGINEERING ASSOCIATES, INC.  
 600 WEST JAMISON BLVD.  
 CHICAGO, ILLINOIS, 60606

FILE NAME: D:\V1617479-PWINT-aecommonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_1\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_121



USER NAME =	ahmad,issa	DESIGNED -	REVISD -
PLOT SCALE =	N.T.S	CHECKED -	REVISED -
PLOT DATE =	7/26/2018	DRAWN -	REVISED -
		CHECKED -	REVISD -
		MI, MAI	

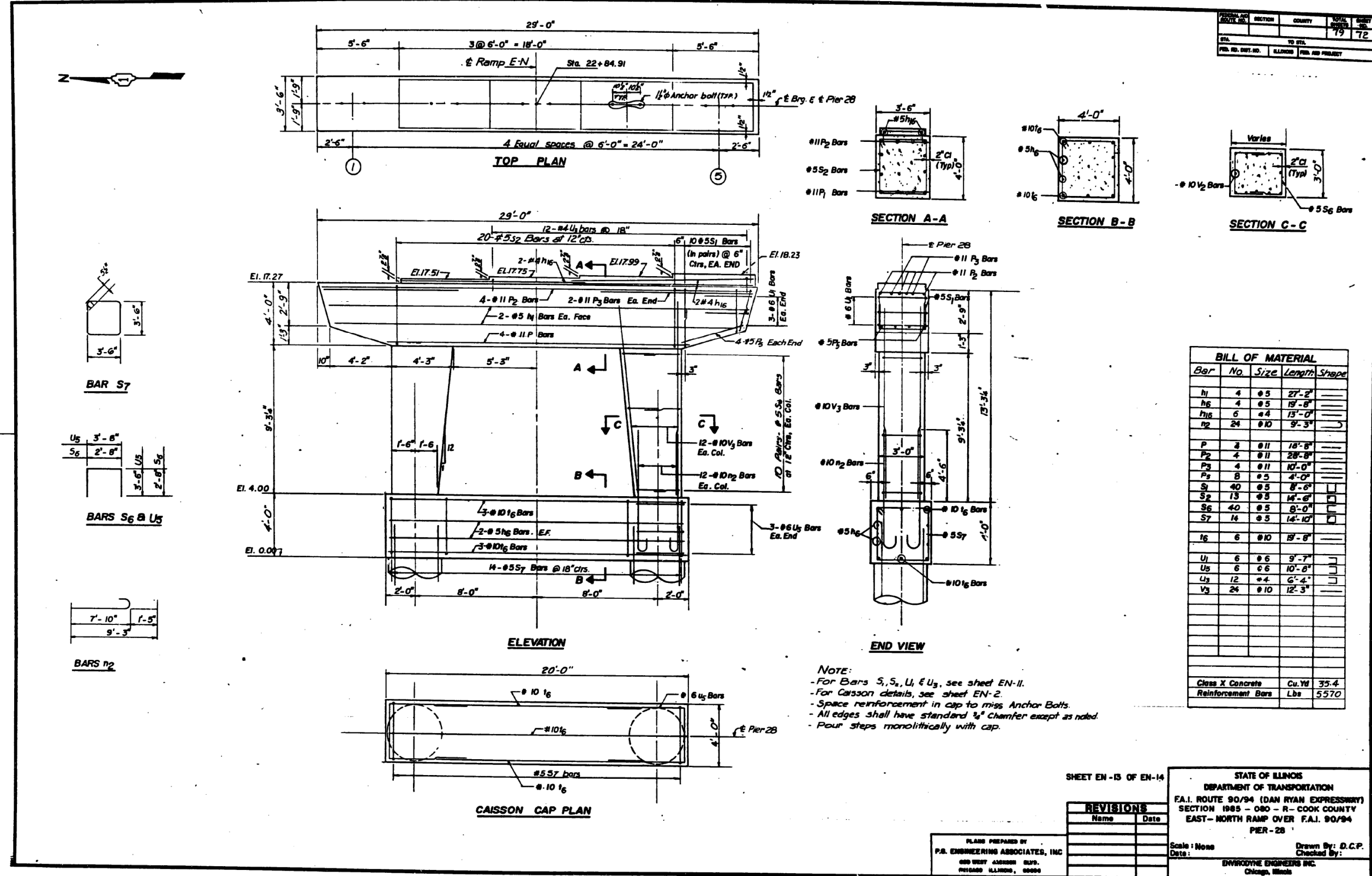
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	865
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



PERSONAL NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			19	72

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h1	4	#5	27'-2"	
h6	4	#5	19'-8"	
h16	6	#4	13'-0"	
n2	24	#10	9'-3"	
P	4	#11	18'-8"	
P2	4	#11	28'-8"	
P3	4	#11	10'-0"	
P4	8	#5	4'-0"	
S1	40	#5	8'-6"	
S2	13	#5	14'-6"	
S6	40	#5	8'-0"	
S7	14	#5	14'-10"	
U6	6	#10	19'-8"	
U1	6	#6	9'-7"	
U5	6	#6	10'-8"	
U3	12	#4	6'-4"	
V3	24	#10	12'-3"	

Class X Concrete Cu.Yd 35.4  
 Reinforcement Bars Lbs 5570

SHEET EN-13 OF EN-14

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1985 - 080 - R - COOK COUNTY  
 EAST - NORTH RAMP OVER F.A.I. 90/94  
 PIER - 28

Scale: None  
 Date: \_\_\_\_\_  
 Drawn By: D.C.P.  
 Checked By: \_\_\_\_\_  
 ENVIRONMENTAL ENGINEERS INC.  
 Chicago, Illinois

**REVISIONS**

Name	Date

PLANS PREPARED BY  
 P.A. ENGINEERING ASSOCIATES, INC.  
 600 WEST 43RD STREET  
 CHICAGO, ILLINOIS, 60606

FILE NAME: DWG:\617479-PWINT-aecomonline.local\AECOM\_DS02\_NAY\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_122



USER NAME = ahmad,issa	DESIGNED -	REVISED -
PLOT SCALE = N.T.S	CHECKED -	REVISED -
PLOT DATE = 7/26/2018	DRAWN -	REVISED -
	CHECKED - MI, MAI	REVISED -

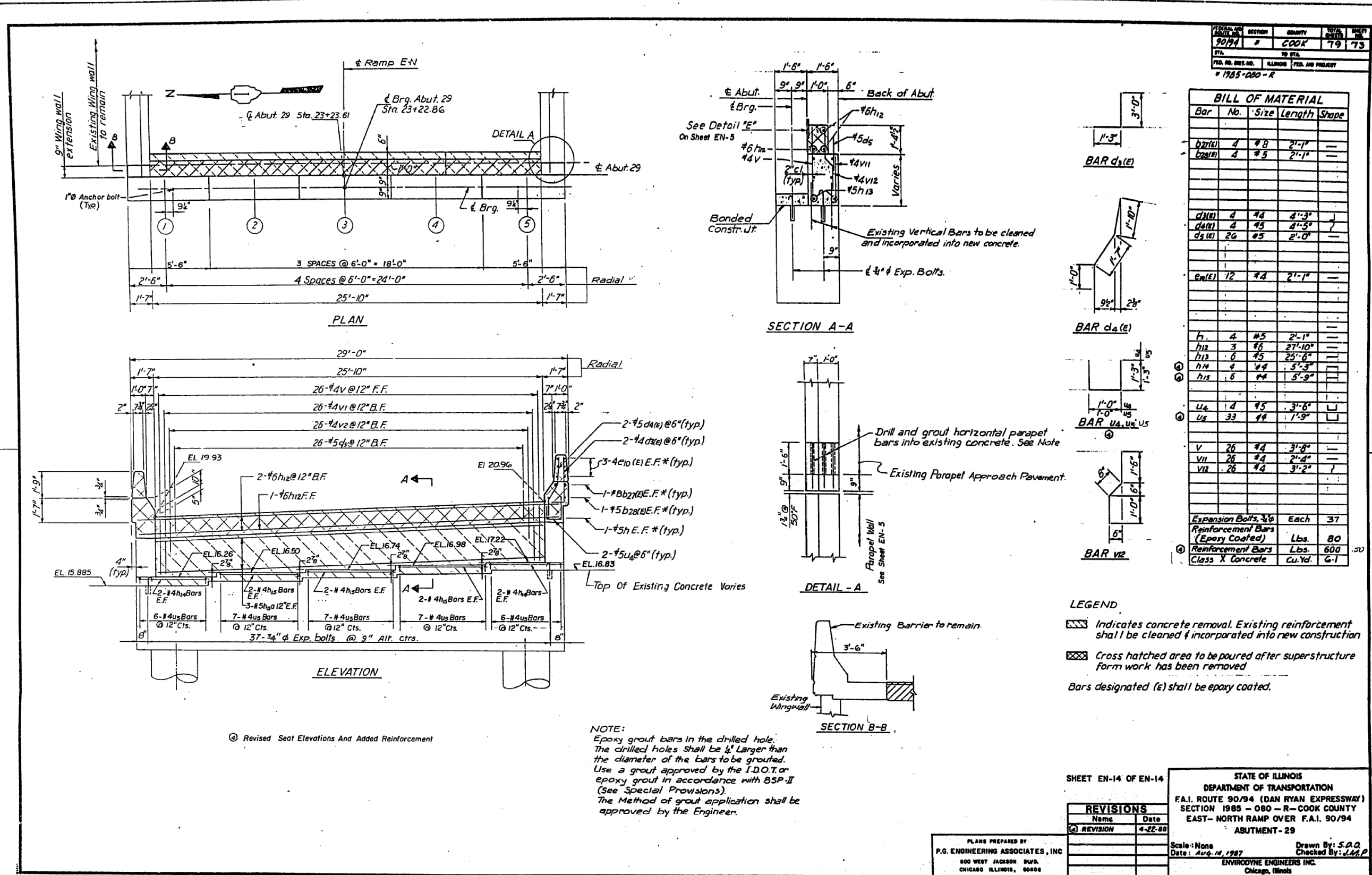
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	866
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



FILE NAME: DWG:\617479-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5X-Existing\_123



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

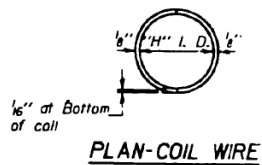
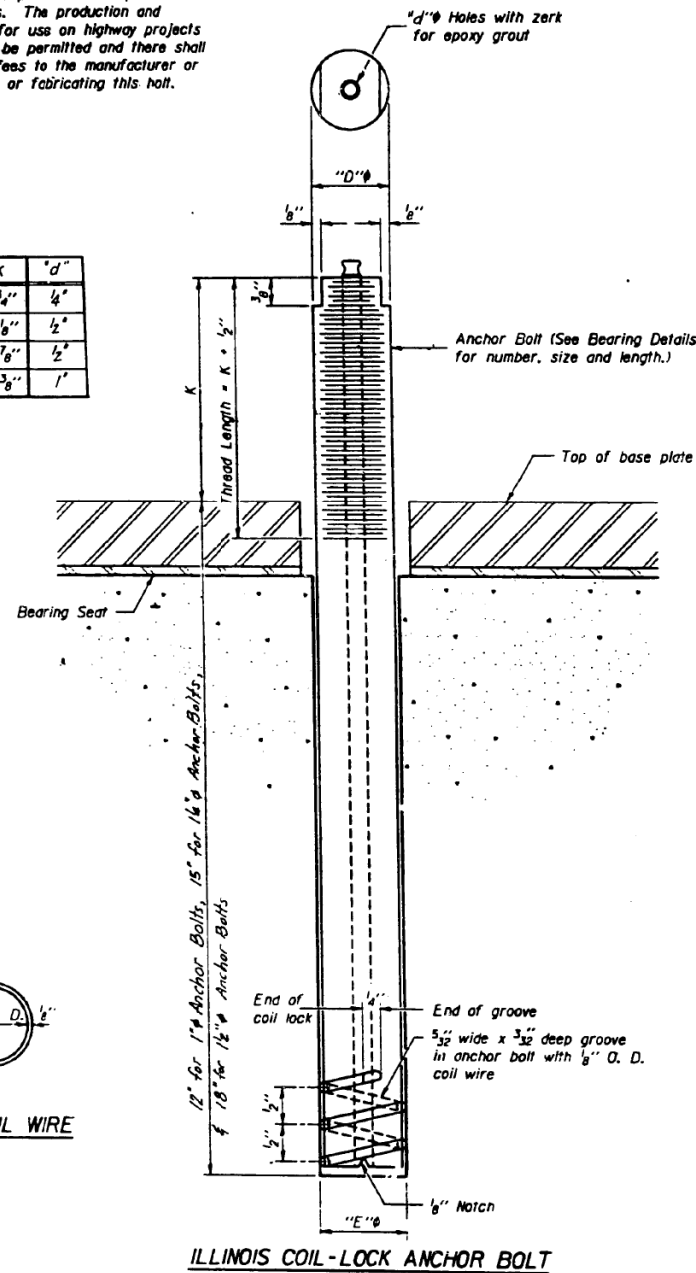
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	867
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

D	E	H	K	"d"
1"	1 1/8"	9/16"	1 3/4"	1/4"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 3/8"	2 7/8"	3/4"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A513, Grade 1025 and supplied with hexagonal nuts and cut washers.  
The coil wire shall be made of any suitable soft steel wire.  
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.  
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C881, Type I, Grade I and of a Class suitable for the temperature at installation.

### INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

- With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plate is held securely to the concrete bearing seat.
- Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

### ALTERNATE ANCHOR BOLTS

The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes in accordance with the manufacturer's recommendations and procedures.  
The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:  
1. A threaded rod stud with nut and washer conforming to ASTM A307. (Unless Noted)  
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
90/94	8	COOK	79	74
TO DET.				
FED. AID PROJECT				

• 1985-080 R

### GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or in accordance with the manufacturer's recommendation after beams or girders have been erected and adjusted.  
Prior to setting the bolts, the holes shall be dry and all dirt and loose particles shall be removed by the use of compressed air or vacuuming.  
The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price each for "Expansion and Fixed Bearings".  
Anchor bolt as shown on this drawing to be used at all locations, unless shown otherwise.

Anchor bolts, nuts and washers shall be completely coated by either the hot-dipped process conforming with AASHTO M232 or the mechanical plating method conforming to ASTM B995, Class 50. Zinc Coated nuts shall be tapered oversize in accordance with the requirements of AASHTO M291 and shall meet the supplementary requirements S1.1 thru S1.21 of the same specification for lubricant and testing.

SHEET NO. 1 OF 6

REVISIONS	
Name	Date

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985-080 R - COOK COUNTY  
ROADWAY GRADING AND PAVING  
MISCELLANEOUS DETAILS - ALL STRUCTURES  
ANCHOR BOLT DETAILS  
Scale: N/A/E  
Date: AUGUST 14, 1987  
Drawn By: REP  
Checked By: WPK  
ENVIRONMENTAL ENGINEERS INC.  
Chicago, Illinois

USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	868
CONTRACT NO. 60X79				

# FOR INFORMATION ONLY

JOINT SIZE	"C" AT 50°F	"D" AT 50°F
2"	2"	1 1/2" MIN.
2 1/2"	2 1/2"	1 3/4" MIN.
4"	3"	2 1/2" MIN.

### INSTALLATION NOTES

USE ANCHOR BLOCKS AND CONTINUOUS SEAL AS ANCHOR BOLT LOCATION TEMPLATES.

- ① INSTALL SPONGE MANDRELS INTO POSITIONS SHOWN TO FORM FLAP CONVOLUTION.
- ② INSTALL PARAPET OR SIDEWALK PIECE (TRIM ROADWAY FLAP TO FIT BEFORE APPLYING EPOXY).
- ③ INSTALL CONTINUOUS SEAL IN ROADWAY.
- ④ INSTALL ANCHOR BLOCKS AS INDICATED.

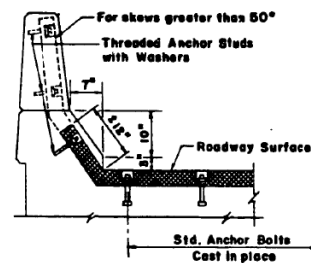
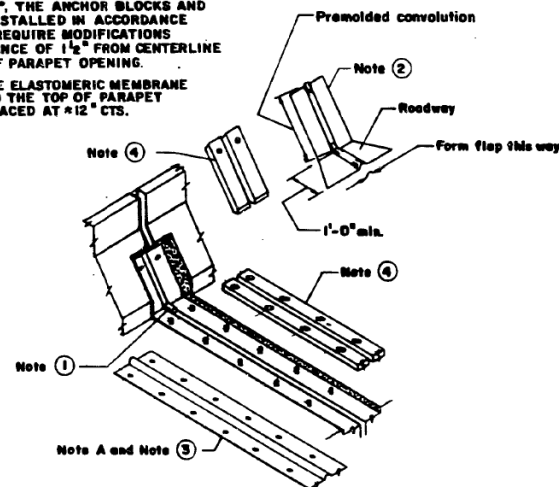
NOTE A: MAXIMUM SPACING OF ANCHOR BOLTS SHALL BE 12" CENTERS.

### SKEW LIMITATIONS

THE DETAILS OF THE ANCHOR BLOCKS AND THE ELASTOMERIC MEMBRANE IN THE PARAPET, AS SHOWN, ARE FOR UP TO 50° SKEWS.

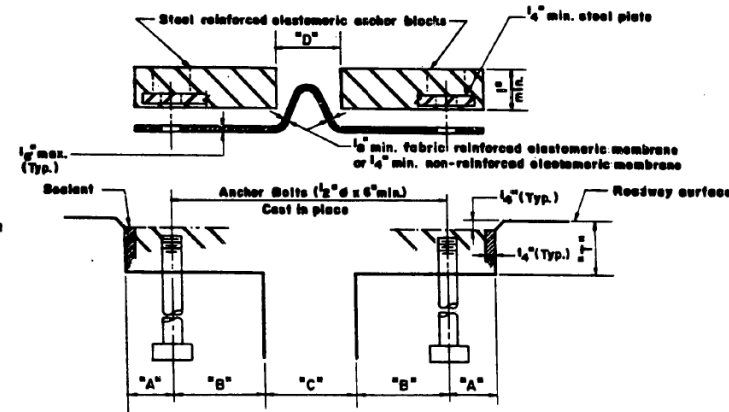
FOR SKEWS GREATER THAN 50°, THE ANCHOR BLOCKS AND ELASTOMERIC MEMBRANE, INSTALLED IN ACCORDANCE WITH DIMENSION "D" MIGHT REQUIRE MODIFICATIONS TO INSURE A MINIMUM CLEARANCE OF 1 1/2" FROM CENTERLINE OF ANCHOR STUDS TO EDGE OF PARAPET OPENING.

THE ANCHOR BLOCKS AND THE ELASTOMERIC MEMBRANE SHALL ALSO BE INSTALLED TO THE TOP OF PARAPET WITH THE ANCHOR STUDS SPACED AT #12" CTS.

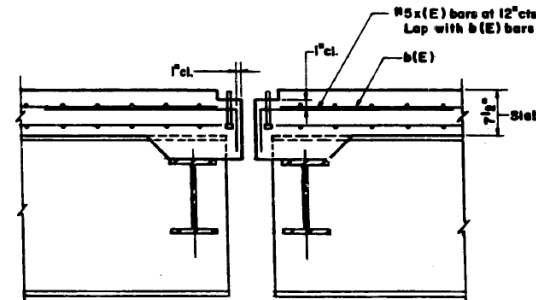


TYPICAL END TREATMENT

FORMING BLOCKOUT SKETCH



CROSS SECTION



SECTION AT NEOPRENE EXPANSION JOINT

SECTION	QUANTITY	TOTAL FEET	SHEET NO.
90/94	COOK	79	75

1985-080 R

### GENERAL NOTES

CONTINUOUS SEAL NEOPRENE EXPANSION JOINT SHALL CONSIST OF MOLDED ANCHOR BLOCKS OF ELASTOMER AND STEEL, WELD ASSEMBLED OVER CONTINUOUS LENGTHS OF ELASTOMERIC MEMBRANE. SEE SPECIAL PROVISIONS.

THE ELASTOMERIC MEMBRANE SHALL BE PREMOLDED WITH A SINGLE OR A DOUBLE UPWARD CONVOLUTION THAT WILL HAVE A "MEMORY" TO RETURN TO ITS MOLDED POSITION UPON JOINT CLOSURE.

THE STEEL REINFORCEMENT MUST EXTEND UP THE BACK FACE OF ANCHOR BLOCKS WHEN ASPHALT SURFACES ARE USED BUT IS OPTIONAL IN CONCRETE BLOCKOUT.

THE CONVOLUTION LENGTH SHALL BE SUCH THAT THE EXTENDED LENGTH WILL NOT BE GREATER THAN THE MANUFACTURED LENGTH WHEN THE JOINT IS FULLY EXPANDED IN ITS DESIGN RANGE AND WILL NOT PROTRUDE ABOVE THE ANCHOR BLOCKS WHEN THE JOINT IS FULLY COMPRESSED.

JOINT OPENINGS SHALL BE ADJUSTED IN ACCORDANCE WITH ARTICLE 603.07(d) OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50°F.

THE PARAPET FLAPS MAY BE FURNISHED FACTORY VULCANIZED TO THE ROADWAY MEMBRANE PROVIDED THE CENTERLINE OF THE CONVOLUTION IS MAINTAINED AND THE PROCESS AND METHOD MEET THE APPROVAL OF THE ENGINEER.

ANCHOR BOLTS, WASHERS AND NUTS, TO BE PLATED AGAINST CORROSION IN ACCORDANCE WITH THE SPECIAL PROVISIONS, SHALL BE ZINC-COATED BY THE MECHANICAL PLATING METHOD CONFORMING TO ASTM B 695, CLASS 50. ZINC-COATED NUTS SHALL BE TAPPED OVERSIZE IN ACCORDANCE WITH THE REQUIREMENTS OF AASHTO M291 AND SHALL MEET THE SUPPLEMENTARY REQUIREMENTS SI.1 THRU SI.2.1 OF THE SAME SPECIFICATIONS FOR LUBRICANT AND TESTING.

SHEET MD 2 OF 6

REVISIONS	
Name	Date

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985-080 R - COOK COUNTY  
ROADWAY GRADING AND PAVING  
MISCELLANEOUS DETAILS - ALL STRUCTURES  
NEOPRENE EXPANSION JOINTS, 2", 2 1/2" & 4"  
Scale: NONE  
Date: AUGUST 14, 1987  
Checked By: M.M.  
Drawn By: J.R.  
ENVIRONMENTAL ENGINEERS INC.  
Chicago, Illinois

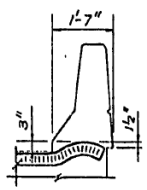
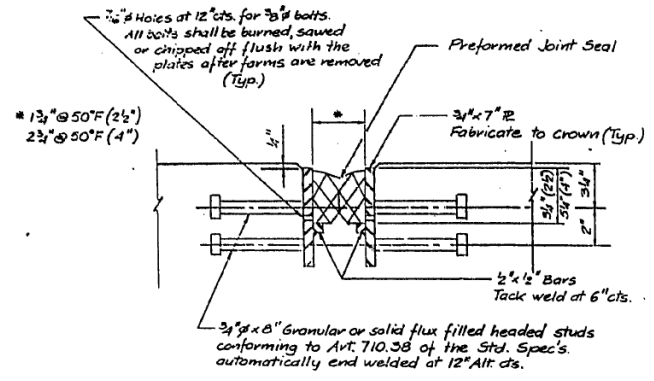
USER NAME = ahmad,issa	DESIGNED -	REVISED -
PLOT SCALE = N.T.S	CHECKED -	REVISED -
PLOT DATE = 7/26/2018	DRAWN -	REVISED -
	CHECKED - MI, MAI	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	869

CONTRACT NO. 60X79

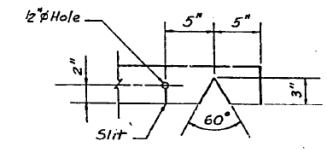
# FOR INFORMATION ONLY

PROJECT NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
80/94	8	COOK	79	78
FED. AID PROJ. NO. ILLINOIS FED. AID PROJECT				
* 1985-080 R				

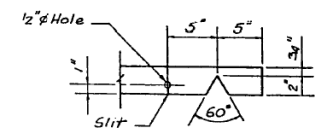


**TYPICAL END OF SEAL TREATMENT**

**TYPICAL CROSS SECTION**



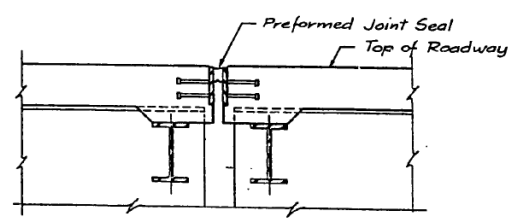
**SEAL CUT-OUT (4")**



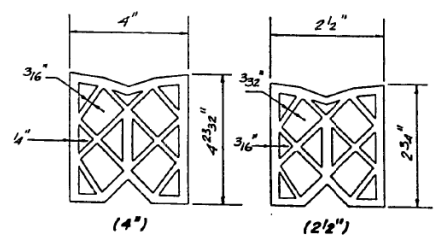
**SEAL CUT-OUT (2 1/2")**

Note:  
Joint openings shall be adjusted in accordance with Article 503.07(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

⊙ Section Deleted



**SECTION AT PREFORMED SEAL JOINT**



**PREFORMED JOINT SEAL**

SHEET NO 3 OF 8

REVISIONS	
Name	Date
(1) Revision	4-22-95

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985-080 R - COOK COUNTY  
ROADWAY GRADES AND PAVING  
MISCELLANEOUS DETAILS - ALL STRUCTURES  
PREFORMED JOINT SEAL 2 1/2" & 4"

Scale: NONE  
Date: AUGUST 14, 1987  
Drawn By: J.R.  
Checked By: M.M.  
ENVIRONMENTAL ENGINEERS INC.  
Chicago, Illinois

FILE NAME: D:\161749-P\WINT\_aecom\line\local\AECOM\_DS02\_NAY\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_126



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

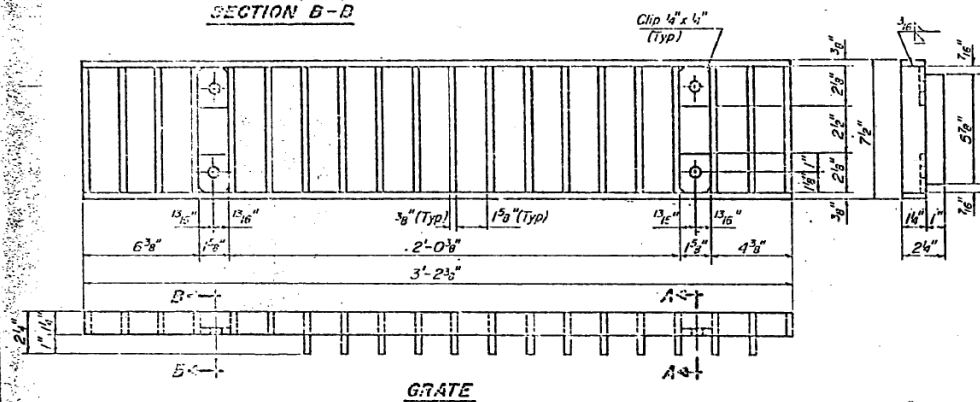
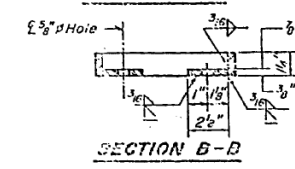
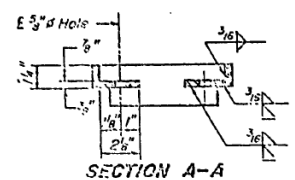
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	870
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

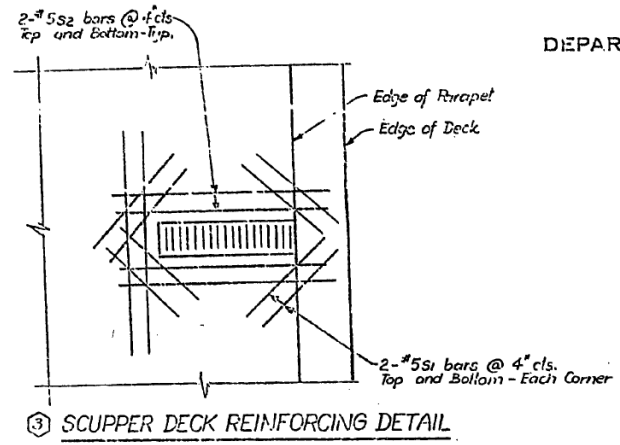
### REINFORCEMENT BAR SCHEDULE \*

Part	No.	Size	Length	Shape
Side	16	#5	2'-0"	
Side	12	#5	1'-6"	

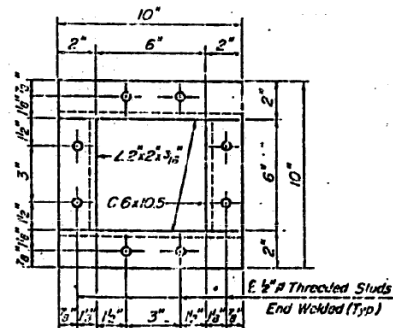
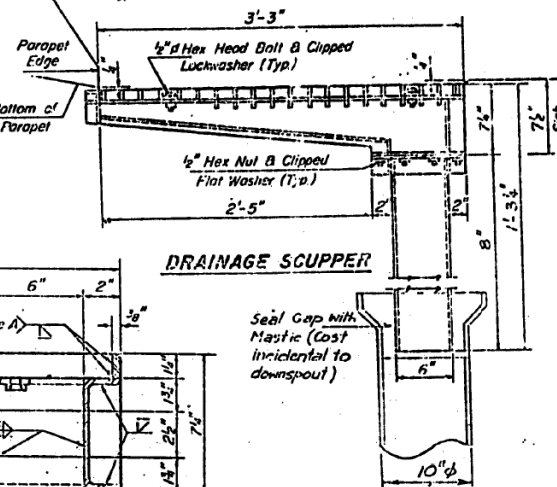
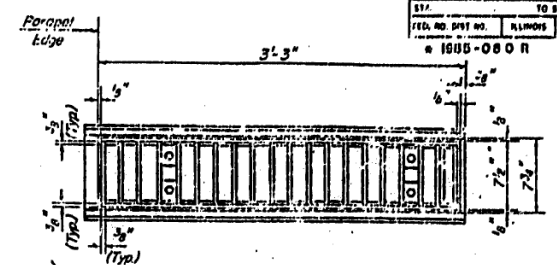
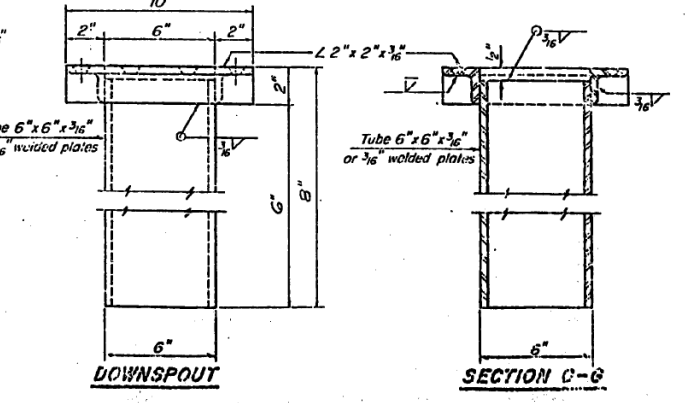
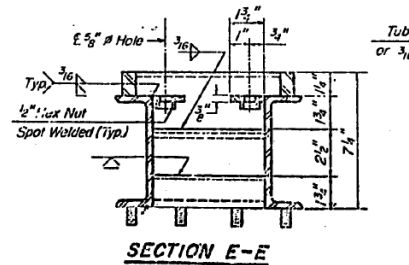
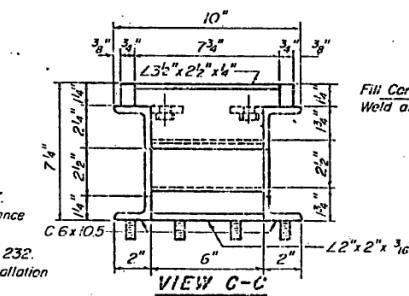
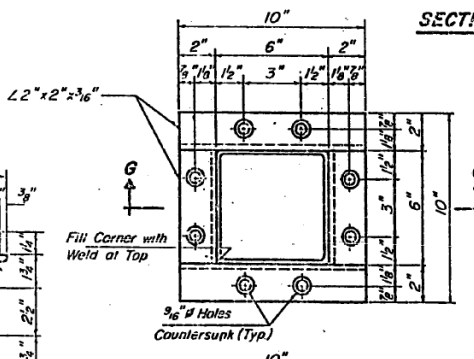
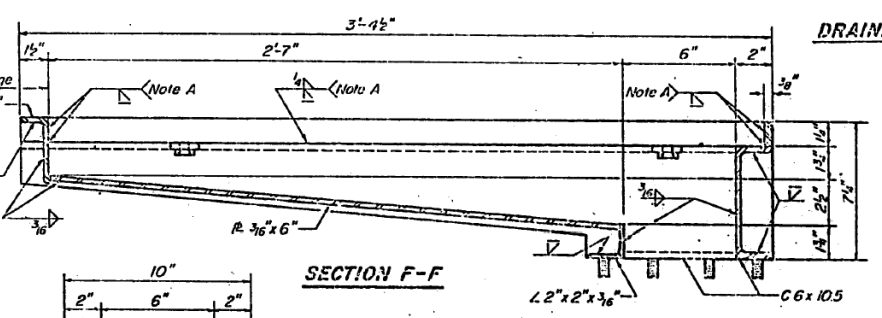
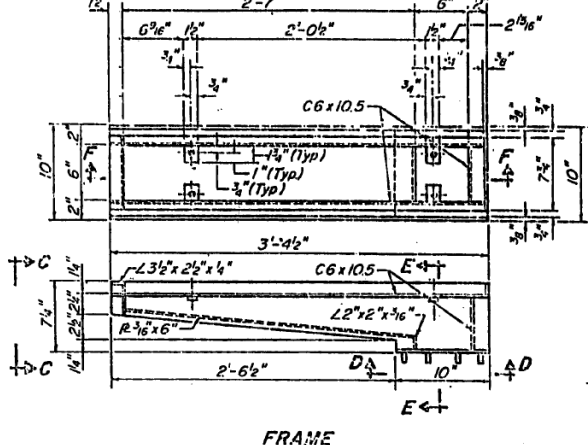
\* Per scupper



**Notes:**  
 Hollow structural steel tubing shall conform to the requirements of A.S.T.M. designation A-500 Grade B, or A-501 Structural Steel Tubing.  
 All other shapes, plates and bars shall conform to the requirements of A.A.S.H.T.O. M 183.  
 Bolts, studs, washers and nuts shall conform to the requirements of A.S.T.M. A-307. The Grate, Frame, and Downspout shall be galvanized after shop fabrication in accordance with A.A.S.H.T.O. M-111 & ASTM-A-395.  
 All bolts, washers and nuts shall be galvanized in accordance with A.A.S.H.T.O. M 232.  
 Cost of the Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS"



### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION



### BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scupper	Each	1

SHEET MD 4 OF 8

REVISIONS	
Name	Date
Revision	3-11-88

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1808-080R - COOK COUNTY  
 ROADWAY GRADING AND PAVING  
 MISCELLANEOUS DETAILS - ALL STRUCTURES  
 DRAINAGE SCUPPER, STEEL  
 Scale: NONE  
 Date: AUGUST 14, 1987  
 Drawn By: REP  
 Checked By: JPK  
 ENVIRONMENTAL ENGINEERS INC.



USER NAME =	ahmad,issa	DESIGNED -	REVISION -
PLOT SCALE =	N.T.S	CHECKED -	REVISION -
PLOT DATE =	7/26/2018	DRAWN -	REVISION -
		CHECKED -	REVISION -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	871

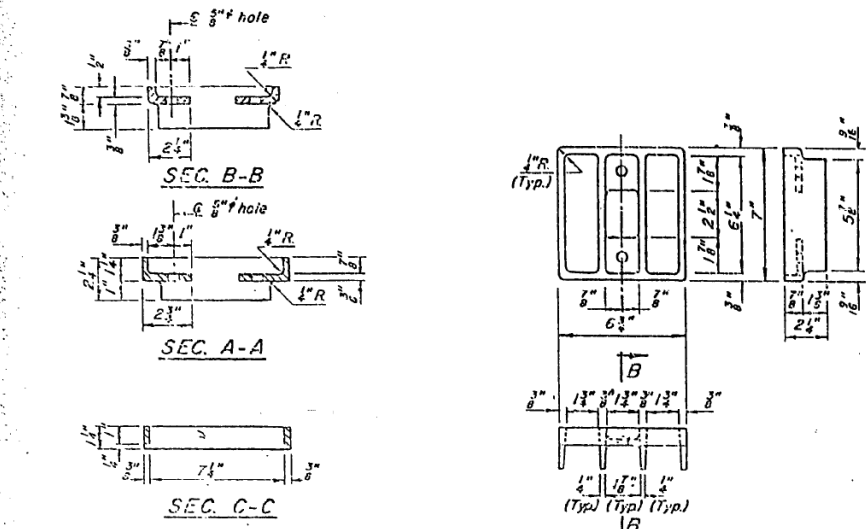
CONTRACT NO. 60X79

FILE NAME: D:\V1617479-PWINT-accomline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_127

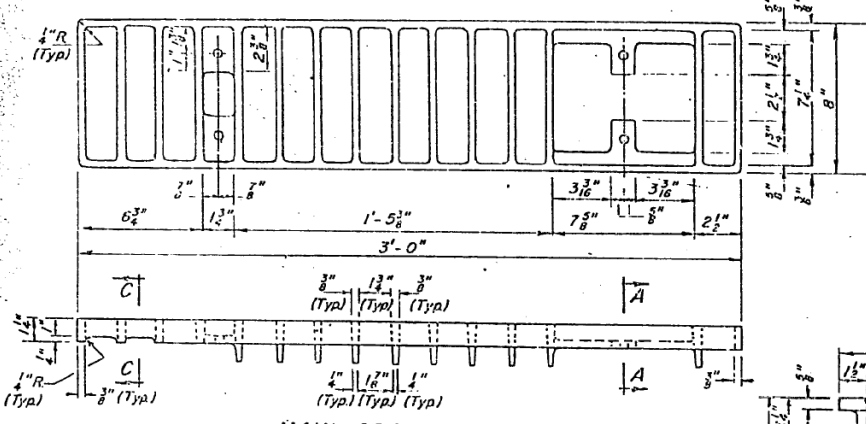
# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1-90/94	COOK	71	78



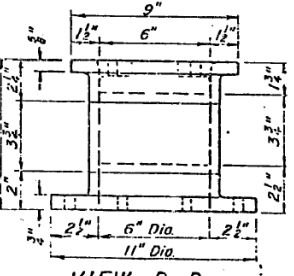
CLEANOUT GRATE



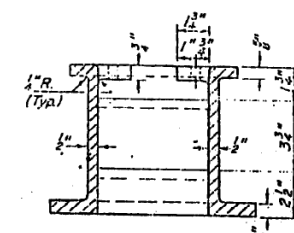
MAIN GRATE

**NOTES:**

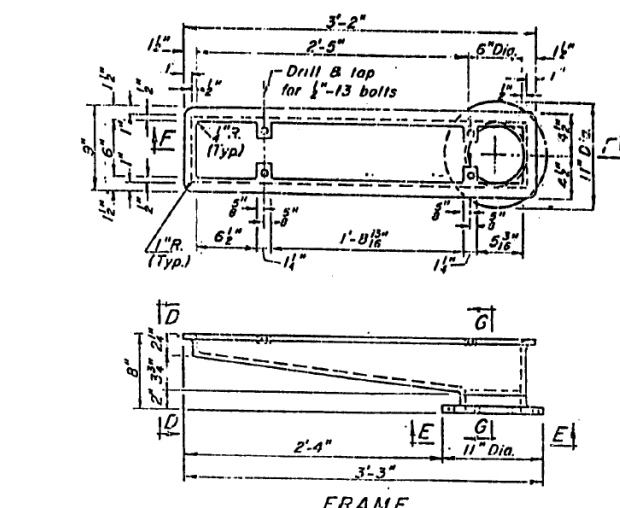
- All cast iron parts shall be gray iron conforming to the requirements of AASHTO M105, Class 30.
- Bolts, washers and nuts shall conform to the requirements of ASTM A-307.
- All bolts, washers and nuts shall be galvanized in accordance with AASHTO M 232.
- The waterproofing membrane system shall be installed such that the membrane covers the frame flanges and extends down into the frame with the grates placed on top of the membrane.
- Cast of the Main Grate, Cleanout Grate, Frame, Downspout, Bolts, Washers and Nuts including complete installation of Scupper shall be paid for at the unit bid price for "DRAINAGE SCUPPERS".
- The Contractor may use of his option steel frames and steel grates or cast frames and cast grates, but will not be allowed to use steel grates with cast frames nor cast grates with steel frames.



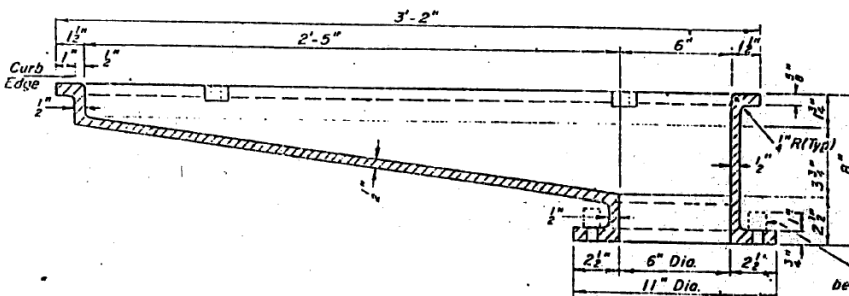
VIEW D-D



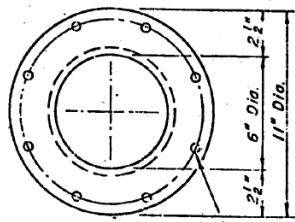
SEC. G-G



FRAME

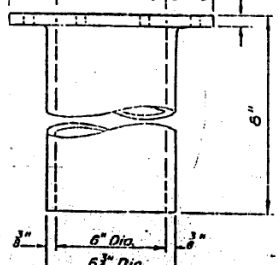


SECTION F-F

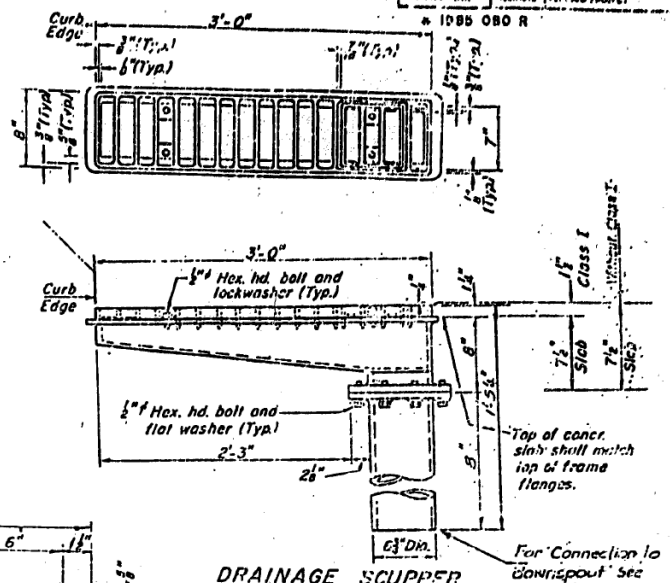


VIEW E-E

(10) 3/8" holes on 9 3/4" bolt circle diameter.



DOWNSPOUT



DRAINAGE SCUPPER

Note: See Sheet MD4 for Deck Reinforcing Detail.

SHEET MD5 OF 8

REVISIONS	
Name	Date
① Rorkim	3-11-99

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1905-080 R - COOK COUNTY  
ROADWAY GRADING AND PAVING  
MISCELLANEOUS DETAILS - ALL STRUCTURES  
DRAINAGE SCUPPER, ALTERNATE CAST IRON  
Scale: NONE  
Date: AUGUST 14, 1987  
Checked: JWP  
Drawn: REP  
Checked: JWP  
ENVIRONMENTAL ENGINEERS INC.  
CHICAGO, ILLINOIS



USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	872
CONTRACT NO. 60X79				

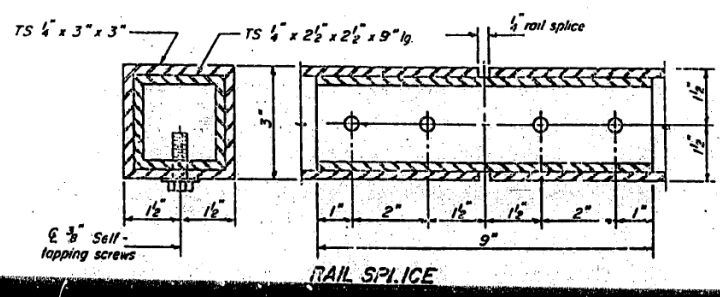
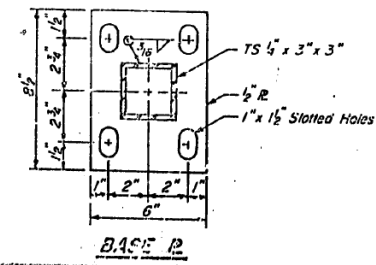
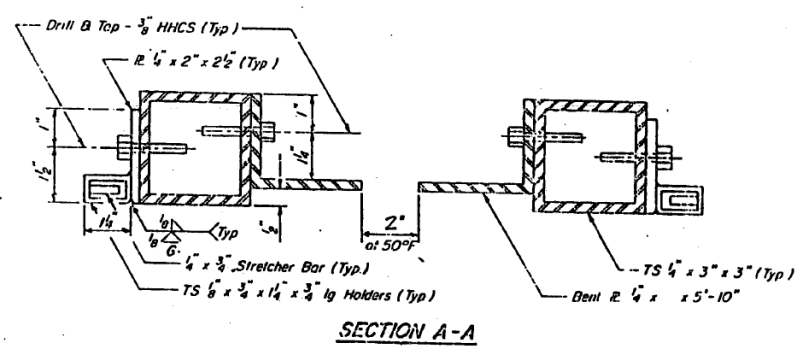
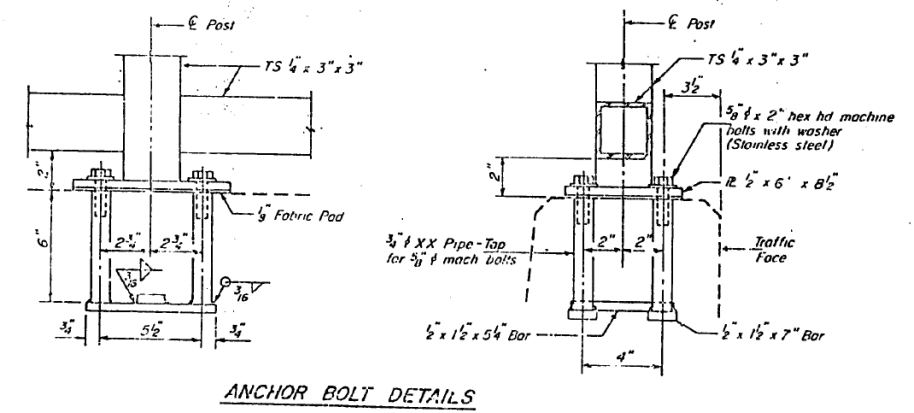
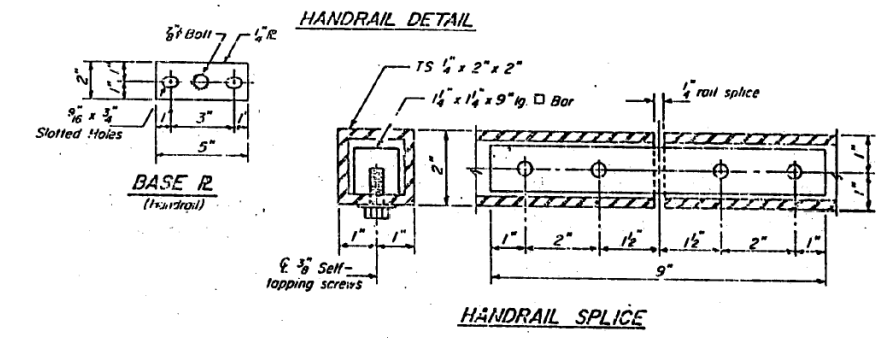
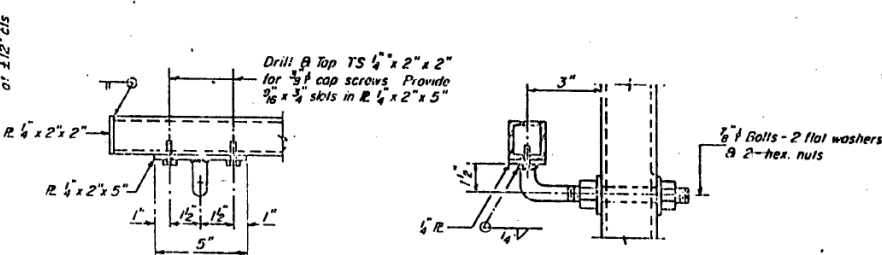
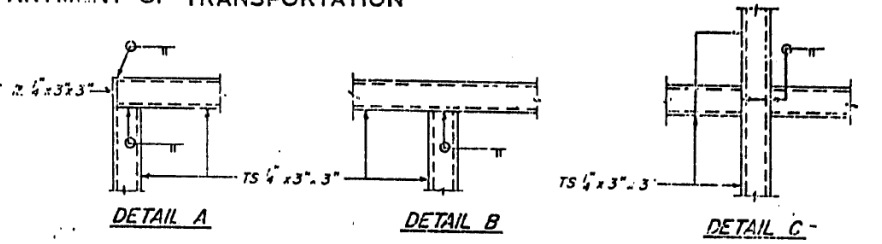
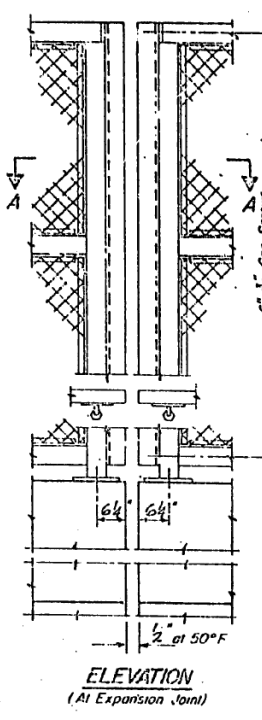
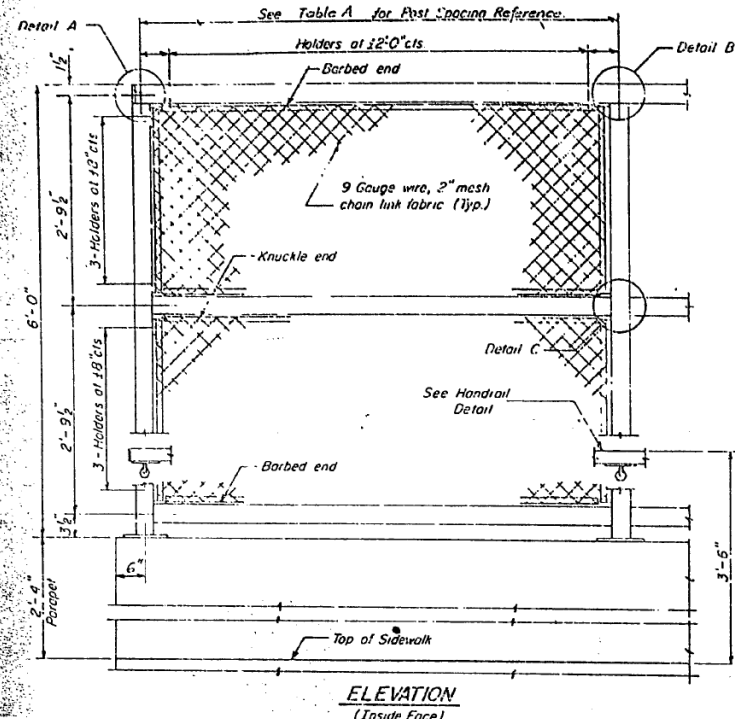
FILE NAME: D:\1617479-P\INT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Plans\016-1712\Existing\_Plans\016-1712-60X79-Skx-Existing\_128



# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	SHEET NO.	TOTAL SHEETS
90/04	6	79	79
TITLE		TO STA.	
FED. RD. DIST. NO.		ILLINOIS PROJECT	
1985-080 R			



**NOTES**

Railing shall be in accordance with Section 306 of the Standard Specifications, except as noted, and shall be paid for at the Contract Unit Price per linear foot for Pedestrian Railing. The 9 gauge fabric ties shall be in accordance with Article 710.33(1) of the Standard Specifications.

Installation of the chain link fabric shall be in accordance Section 629 of the Standard Specifications.

Yellow structural steel tubing shall conform to the requirements of ASTM designation A 500, Grade B, structural steel tubing.

All other steel shapes and plates shall conform to the requirements of AASHTO M183.

**Notes**

All posts, railing, splices, anchor devices and bent plates shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-305. All bolts, nuts and washers shall be galvanized in accordance with AASHTO M-232.

Vent holes for galvanizing shall be placed in the posts and rails at locations that will not allow the accumulation of finishing in the members.

The chain link fabric shall conform to the requirements of Article 710.33(a)(1)(2) or (3) of the Std. Specs.

**BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Pedestrian Railing	L.F.	879

**TABLE A - POST SPACING REFERENCE**

STRUCTURE	SEE SHEET No.
Taylor Street Entrance Ramp	FMT 13
Harrison Street over S.B. DAN RYAN EXP	HAR-5B
Harrison Street over N.B. DAN RYAN EXP	S-9 & S-15

SHEET NO 6 OF 8

REVISIONS	
Name	Date
(3) Revision	3-11-83

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985-080 R - COOK COUNTY  
ROADWAY GRADING AND PAVING  
MISCELLANEOUS DETAILS - ALL STRUCTURES  
PEDESTRIAN RAILING - 6"

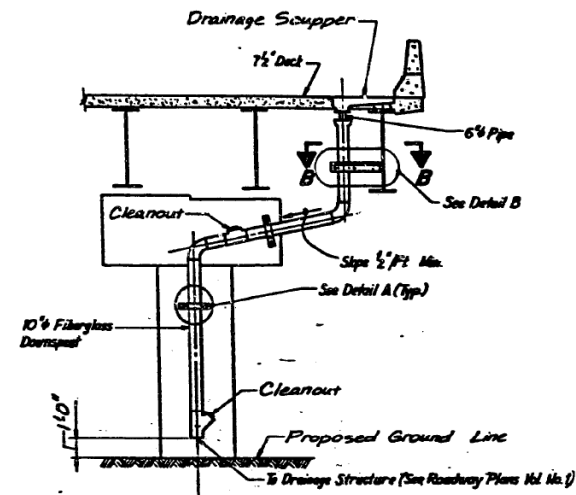
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Date: AUGUST 14, 1987  
Checked By: W.P.K.  
Drawn By: REP  
ENVIRONMENTAL ENGINEERS INC.  
Chicago, Illinois

USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	873
CONTRACT NO. 60X79				

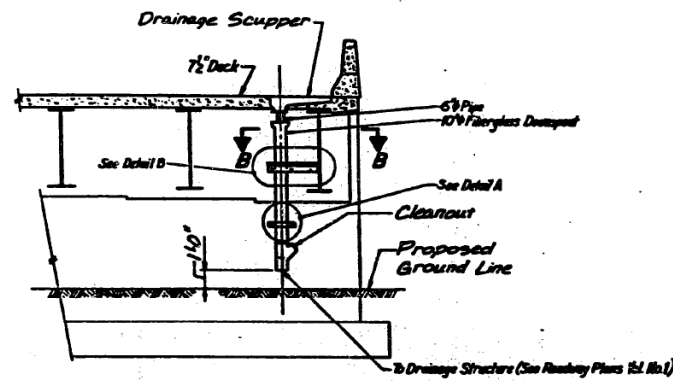
# FOR INFORMATION ONLY

DATE	REVISION	QUANTITY	BY	CHECKED
90/94	1	COOK	79	TBA
SECTION 1988-000 R				



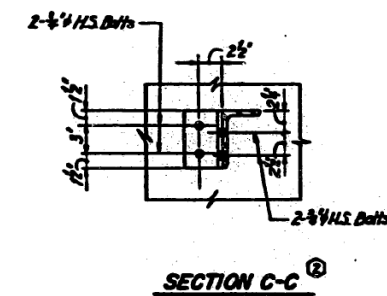
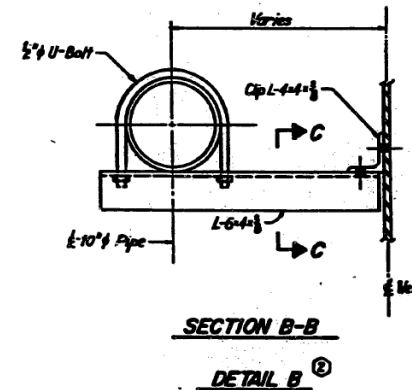
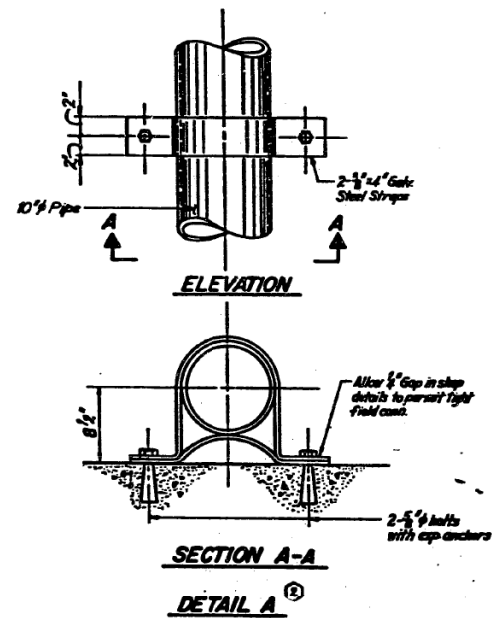
**TYPICAL SECTION OF SCUPPERS<sup>2</sup>  
AT PIER LOCATIONS**

Taylor St. Exit Ramp Abutment No. 4  
Taylor St. Entrance Ramp Abutment No. 3



**TYPICAL SECTION OF SCUPPERS<sup>2</sup>  
AT ABUTMENT LOCATIONS**

Taylor St. Exit Ramp Abutment No. 1  
Taylor St. Entrance Ramp Abutment No. 5



**NOTES:**

- For Scupper Details, see Slits MD4 and MD5 in this volume.
- For Scupper Locations, see Slits Exit 3 (Taylor St. Exit Ramp) and Exit 4 (Taylor St. Entrance Ramp).

**BILL OF MATERIAL**

Item	Unit	Quantity		
		Taylor St. Exit	Taylor St. Entrance	Total
Downspout Drainage System	Lin. Ft.	34	33	67

SHEET MD7 OF 7

REVISIONS	
Number	Date
1	11-20-87

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.I. ROUTE 90/94 (DAN RIVER EXPRESSWAY)  
SECTION 1988-000 R COOK COUNTY  
ROADWAY GRADING AND PAVING  
DECK DRAINAGE  
TYPICAL DETAILS AND SECTIONS  
Scale: NONE  
Date: AUG. 14, 1987  
Drawn By: E.W.T.  
Checked By: E.R.R.  
ENGINEERING SERVICES INC.  
Chicago, Illinois

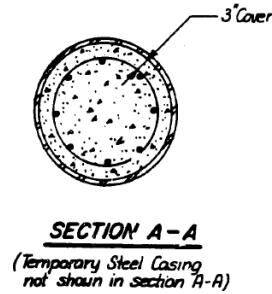
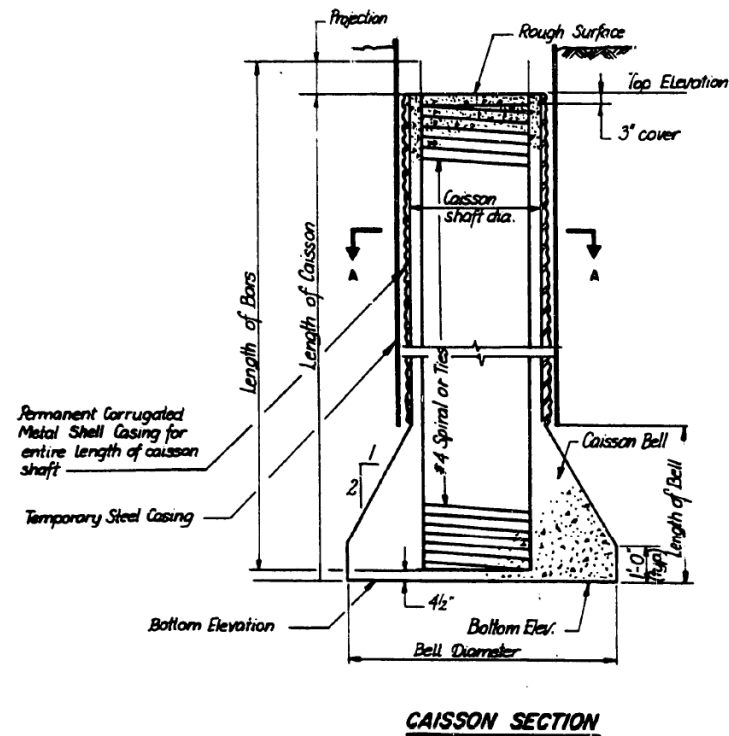
Δ New Sheet - Nov. 23, 1987

USER NAME =	ahmad,issa	DESIGNED -	REVISIONS -
PLOT SCALE =	N.T.S	CHECKED -	REVISIONS -
PLOT DATE =	7/26/2018	DRAWN -	REVISIONS -
		CHECKED -	REVISIONS -
		MI, MAI	REVISIONS -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	874
CONTRACT NO. 60X79				

# FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	#	COOK	79	79B
FED. AID PROJECT				
# 1985-080 R				



**Notes:**

- Specific details for caissons as shown in the caisson section can be found on the following sheets:  
 Sheet Ent 12 for Taylor Street Exit Ramp Bent Nos. 3 & 4  
 Sheet ENT 12 for Taylor Street Entrance Ramp Bent Nos. 1 & 2  
 Sheet ENT 13 for Taylor Street Entrance Ramp Bent Nos. 3 & 4  
 Sheet S4 for Harrison Street Bridge Pier Nos. 1 & 2  
 Sheet ENT 2 for Ramp E-N Pier Nos. 27 & 28
- Annular space between the temporary casing and permanent metal shell shall be back filled with grout before removing the temporary casing

SHEET MD 6 OF 8

REVISIONS	
Name	Date

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 P.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1985-080 R - COOK COUNTY  
 ROADWAY GRADING AND PAVING  
 MISCELLANEOUS DETAILS - ALL STRUCTURES  
 TYPICAL CAISSON DETAILS  
 Scale: NONE  
 Date: AUG. 14, 1987  
 Drawn By: D.S.  
 Checked By: W.P.K.  
 ENVIRODINE ENGINEERS INC.  
 Chicago, Illinois

△ New sheet 12-7-87



USER NAME =	ahmad,issa	DESIGNED -	REVISD -
PLOT SCALE =	N.T.S	CHECKED -	REVISD -
PLOT DATE =	7/26/2018	DRAWN -	REVISD -
		CHECKED -	REVISD -
		MI, MAI	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	875
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

FILE NAME: D:\V1617479-PWINT-aecomonline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_131

# FOR INFORMATION ONLY

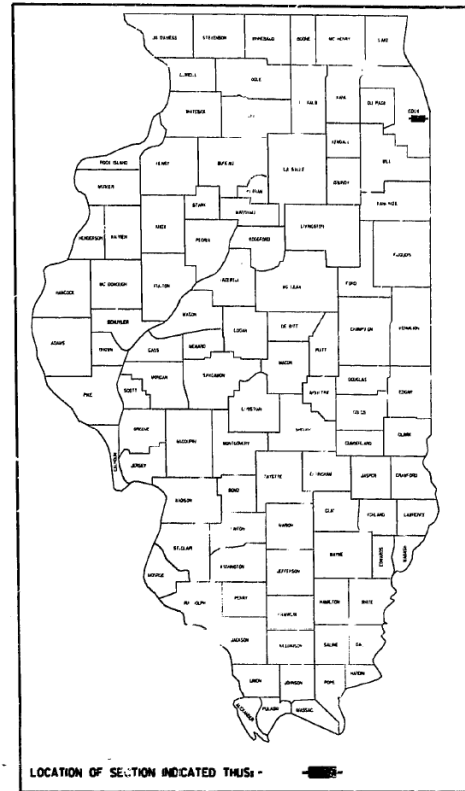
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

## PLANS FOR PROPOSED FEDERAL AID HIGHWAY I-290 (EISENHOWER EXPRESSWAY), I-90/94 (KENNEDY EXPRESSWAY) TO FRANKLIN ST. BRIDGE DECK REPAIRS & RESURFACING SECTION : (2424 [2B,3,4,8,9,16,23B] : 2525-105) RS - I & (2424 & [2B,3,4,9,16,23B] : 0101, 6-IP) BR PROJECT: ACNHI - 290 - 4 (109) 98 C-91-133-94 COOK COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	*	COOK	125	1

STA. \_\_\_\_\_ TO STA. \_\_\_\_\_  
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT  
 ACNHI - 290 - 4 (109) 98  
 \* (2424 [2B,3,4,8,9,16,23B] : 2525-105) RS - I &  
 (2424 & [2B,3,4,9,16,23B] : 0101, 6-IP) BR

D-91-133-94



FOR INDEX OF SHEETS, SEE SHEET NO. 2

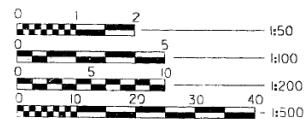
TRAFFIC DATA

ADT = 123,600 (1995)  
 188,114 (2011)

DESIGN DESIGNATION:

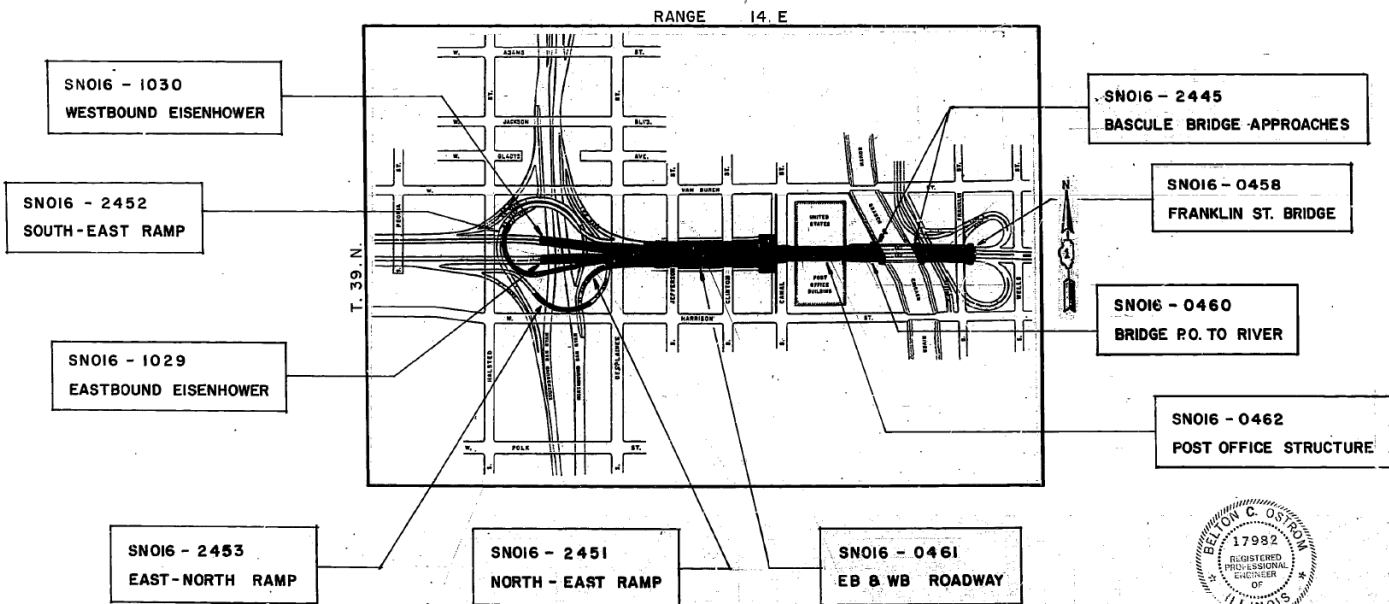
PROJECT LOCATED IN  
 CITY OF CHICAGO

FOR UNDERGROUND UTILITY  
 LOCATIONS, CALL  
 J.U.L.I.E.  
 TOLL FREE  
 TEL. 1-800-802-0123



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.

CONTRACT NO. 82704



LOCATION MAP

GROSS LENGTH OF IMPROVEMENT = 1.671 KM  
 NET LENGTH OF IMPROVEMENT = 1.671 KM

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED November 20 1996  
*Darwin P. Carlson* DISTRICT ENGINEER

EXAMINED \_\_\_\_\_ 19\_\_\_\_  
 ENGINEER OF PLANS & CONTRACTS

PASSED December 10 19\_\_\_\_  
 ENGINEER OF DESIGN

APPROVED December 10 19\_\_\_\_  
 DIRECTOR, DIVISION OF HIGHWAYS

PRINTED BY AUTHORITY OF  
 THE STATE OF ILLINOIS



*Belton C. Ostrom*  
 License Expires 11/30/97

11-18-96

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING RECORD DRAWINGS		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
USER NAME =	ahmad,issa	DESIGNED -	REVISD -			90/94/290	2014-005R&B	COOK	888	876
PLOT SCALE =	N.T.S	CHECKED -	REVISD -							CONTRACT NO. 60X79
PLOT DATE =	7/26/2018	DRAWN -	REVISD -							ILLINOIS FED. AID PROJECT
		CHECKED -	REVISD -							



FILE NAME: D:\161749-PWINT-aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_132

# FOR INFORMATION ONLY

INDEX OF SHEETS		LIST OF STATE STANDARDS		PLAN NOTES	
SHEET No.	DESCRIPTION	STD. No.	DESCRIPTION		
1	TITLE SHEET	00001	STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS	1.	FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO THE BOTTOM FLANGE OF BEAMS OR GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND PLAN NOTES	606301	PC CONCRETE MEDIANS	2.	REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.
3	SUMMARY OF QUANTITIES	702001	TRAFFIC CONTROL DEVICES	3.	PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
4	GENERAL PLAN VIEW	509001	TUBULAR THRIE BEAM RETROFIT RAIL FOR BRIDGES	4.	PRIOR TO PLACING THE NEW CONCRETE AT EXPANSION JOINTS, ALL LOOSE RUST, LOOSE MILL SCALE, LOOSE PAINT AND ALL OTHER FOREIGN MATERIAL SHALL BE REMOVED FROM THE EMBEDDED PORTIONS OF FLANGES OF STRINGERS (GIRDERS). THE REMOVAL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SSPC SURFACE PREPARATION SPECIFICATIONS SP-3 FOR POWER TOOL CLEANING OR SP-2 FOR HAND TOOL CLEANING. COST SHALL BE INCLUDED IN THE COST FOR CONCRETE REMOVAL.
5-25	TRAFFIC CONTROL & PROTECTION, TEMPORARY CONSTRUCTION SIGNS	631056	TRAFFIC BARRIER TERMINAL, TYPE 12	5.	THE EXISTING BITUMINOUS BRIDGE DECK OVERLAY AND MEMBRANE WATERPROOFING SYSTEM SHALL BE REMOVED AND THE AREA OF PARTIAL AND FULL-DEPTH REPAIR SHALL BE DETERMINED BY THE ENGINEER AND MARKED. PARTIAL AND FULL-DEPTH REMOVAL AND REPAIR SHALL BE PERFORMED, AS REQUIRED, AFTER WHICH THE CONCRETE DECK SURFACE SHALL BE SCARIFIED AND A 60mm LATEX CONCRETE OVERLAY SHALL BE PLACED. SEE SPECIAL PROVISIONS FOR BRIDGE DECK OVERLAY.
25A	DISTRICT ONE FREEWAY STANDARD - ONE	780001	TYPICAL PAVEMENT MARKINGS	6.	THE CONTRACTOR WILL BE REQUIRED TO MARK ON TOP OF THE CONCRETE DECK THE LOCATIONS OF THE TOP FLANGE OF ALL THE STEEL BEAMS OR GIRDERS, PRIOR TO ANY REMOVAL OF THE BRIDGE CONCRETE DECK. SAWCUTTING DIRECTLY COVER THE TOP OF THE BEAM OR GIRDER FLANGES IS NOT PERMITTED.
25B	DISTRICT ONE FREEWAY STANDARD - TWO LANE CLOSURE	701501	URBAN LANE CLOSURE, 2-LANE, 2-WAY, UNDIVIDED	7.	THE INORGANIC ZINC-SILICATE / ACRYLIC / ACRYLIC PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW STRUCTURAL STEEL EXCEPT WHERE OTHERWISE NOTED.
25C	ENTRANCE AND EXIT RAMP CLOSURE DETAILS	701601	URBAN LANE CLOSURE, MULTILANE, 1-WAY OR 2-WAY WITH NON TRAVERSABLE MEDIAN	8.	CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE DONE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES". ALL THE EXISTING STRUCTURAL STEEL LOCATED WITHIN 5 FEET OF EITHER SIDE OF EXPANSION JOINTS SHALL BE CLEANED AND PAINTED BY METHOD I.
25D	CENTER LANE CLOSURE, TWO LANE WEAVE, AND SHOULDER LANE	701426	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPERATION	9.	THE THREE COAT LEAD AND CHROMATE FREE ALKYD PAINT SYSTEM SHALL BE USED FOR FIELD PAINTING OF EXISTING STRUCTURAL STEEL. THE COLOR OF THE FINAL FINISH COAT OF THE EXTERIOR FACE AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE PAINTED LIGHT GRAY, MUNSSELL 10Y7/1 COLOR.
25E	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS	701101	MULTILINE OFF ROAD OPERATIONS	10.	THE COST OF SAWCUTTING FULL DEPTH THE EXISTING PAVEMENT AND OTHER APPURTENANCES LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS SHALL BE INCLUDED IN THE ITEM OF WORK BEING PERFORMED.
25G	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS			11.	ALL FRAMES AND GRATES AND DELINEATORS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
25H	TRAFFIC CONTROL DETAILS FOR SHOULDER & PARTIAL RAMP CLOSURES				
25I	LOOP, CONDUIT & DUCT INSTALLATION DETAILS				
25J	RECTANGULAR INDUCTION LOOP TYPICALS (METRIC)				
25K	EXISTING ROUND INDUCTION LOOP TYPICALS				
25L	EXISTING ROUND INDUCTION LOOP INSTALLATION				
26-28	PERMANENT PAVEMENT MARKING PLANS				
29-34	NE RAMP (SN-016-2451)				
35-48	SE RAMP (SN-016-2452)				
49-56	EN RAMP (SN 016-2453)				
57-65	EB ROADWAY & ABUT. 1 TO BENT C1 (SN-016-1029).				
66-74	WB ROADWAY ABUT. 1 TO BENT C1 (SN-016-1029).				
75-102	EB & WB ROADWAY, BENT C1 TO BENT C17 (SN-016-1030)				
103-110	I-290 UNDER U.S. POST OFFICE (SN-016-0462)				
111-117	VIADUCT STRUCTURE, POST OFFICE TO RIVER (SN-016-0460)				
118-119	BASCULE BRIDGE APPROACHES (SN-016-2445)				
120-125	FRANKLIN ST. BRIDGE (SN-016-0458)				

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290		COOK	25	2
STA.	TO STA.	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT
* (2424 [2B, 3, 4, 8, 9, 16, 23B] : 2525-105) RS-1 B (2424 B [2B, 3, 4, 9, 16, 23B] : 0101, 6-1) IPR				

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CIRCLE INTERCHANGE AND  
 EISENHOWER EXPRESSWAY  
 BRIDGE DECK REHABILITATION  
 INDEX OF SHEETS, LIST OF STATE STANDARDS  
 AND PLAN NOTES  
 SCALE: DATE 11-18-96

DESIGNED BY J.S.D.  
 CHECKED BY R.A.D.  
 DRAWN BY J.P.M.  
 CHECKED BY R.G.O.  
**NELSON OSTROM BASKIN BERMAN & ASSOC., INC.**  
 CONSULTING ENGINEERS  
 PARK REGISTRATION

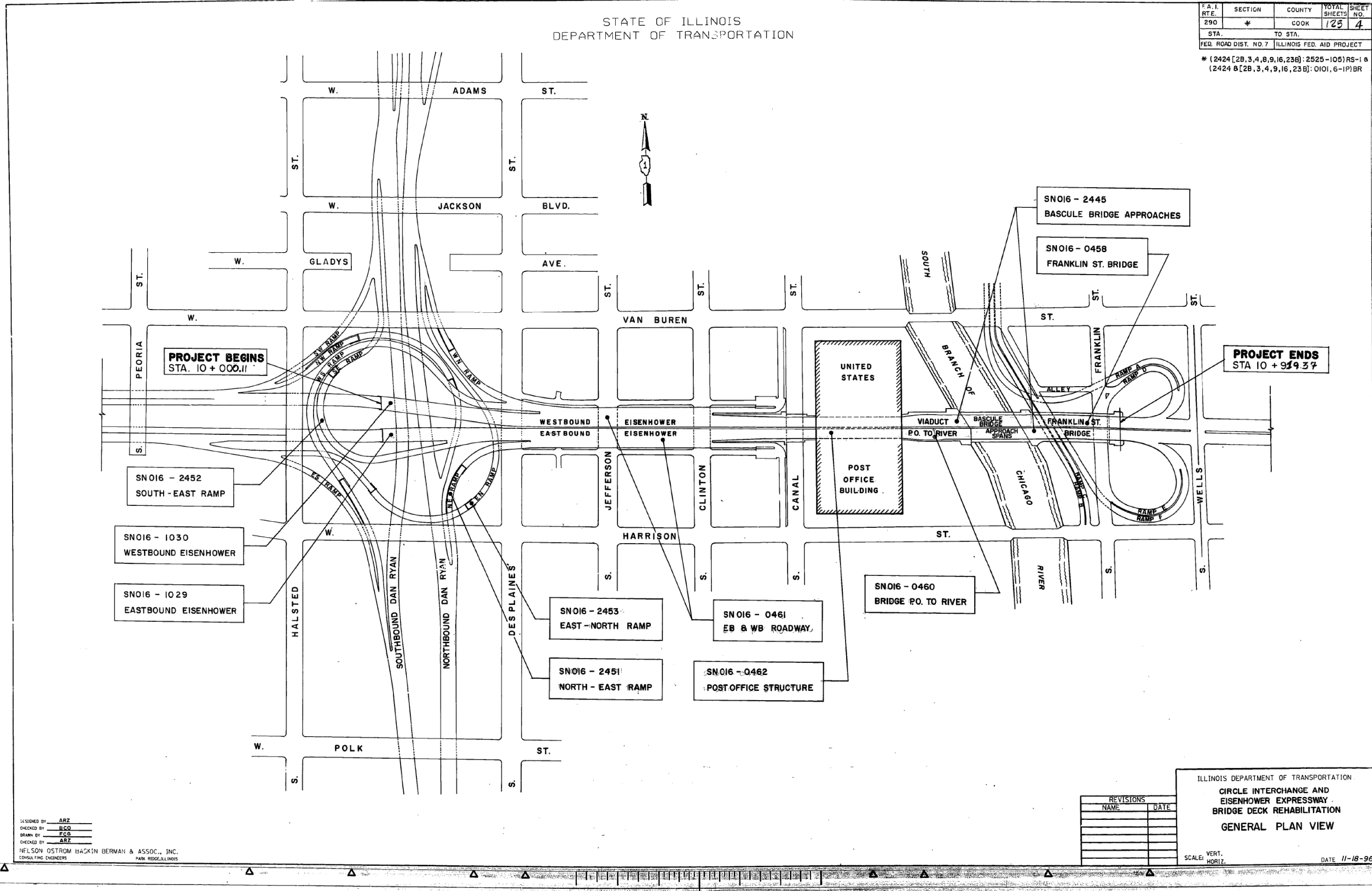
D	C	B	A	0	A	B	C	D	
USER NAME = ahmad,issa DESIGNED - CHECKED - PLOT SCALE = N.T.S. DRAWN - PLOT DATE = 7/26/2018 CHECKED - MI, MAI REVISED - REVISED - REVISED - REVISED -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				EXISTING RECORD DRAWINGS	
HBM ENGINEERING GROUP, LLC				F.A.I. RTE. 90/94/290 SECTION 2014-005R&B COUNTY COOK TOTAL SHEETS 888 SHEET NO. 877 CONTRACT NO. 60X79 ILLINOIS FED. AID PROJECT					

FILE NAME: D:\V61749-PWINT-aecom\online\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing Plans\016-1712-60X79-Sxx-Existing\_133

# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	*	COOK	125	4
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. 7		* (2424 [2B,3,4,8,9,16,23B]:2525-105)RS-1 & (2424 B[2B,3,4,9,16,23B]:0101,6-1P)BR		



DESIGNED BY: ARZ  
CHECKED BY: BCO  
DRAWN BY: FCO  
INCHES BY: ARZ  
NELSON OSTROM BACKIN BERMAN & ASSOC., INC.  
CONSULTING ENGINEERS  
PARK RIDGE, ILLINOIS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**CIRCLE INTERCHANGE AND  
EISENHOWER EXPRESSWAY  
BRIDGE DECK REHABILITATION**  
GENERAL PLAN VIEW  
SCALE: VERT. 1"=40'  
HORIZ. 1"=100'  
DATE 11-18-96



USER NAME =	ahmad,issa	DESIGNED -	REVISD -
PLOT SCALE =	N.T.S	CHECKED -	REVISD -
PLOT DATE =	7/26/2018	DRAWN -	REVISD -
		CHECKED -	REVISD -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	878
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

FILE NAME: D:\161749-PWINT-aecomonline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-Sxx-Existing\_134

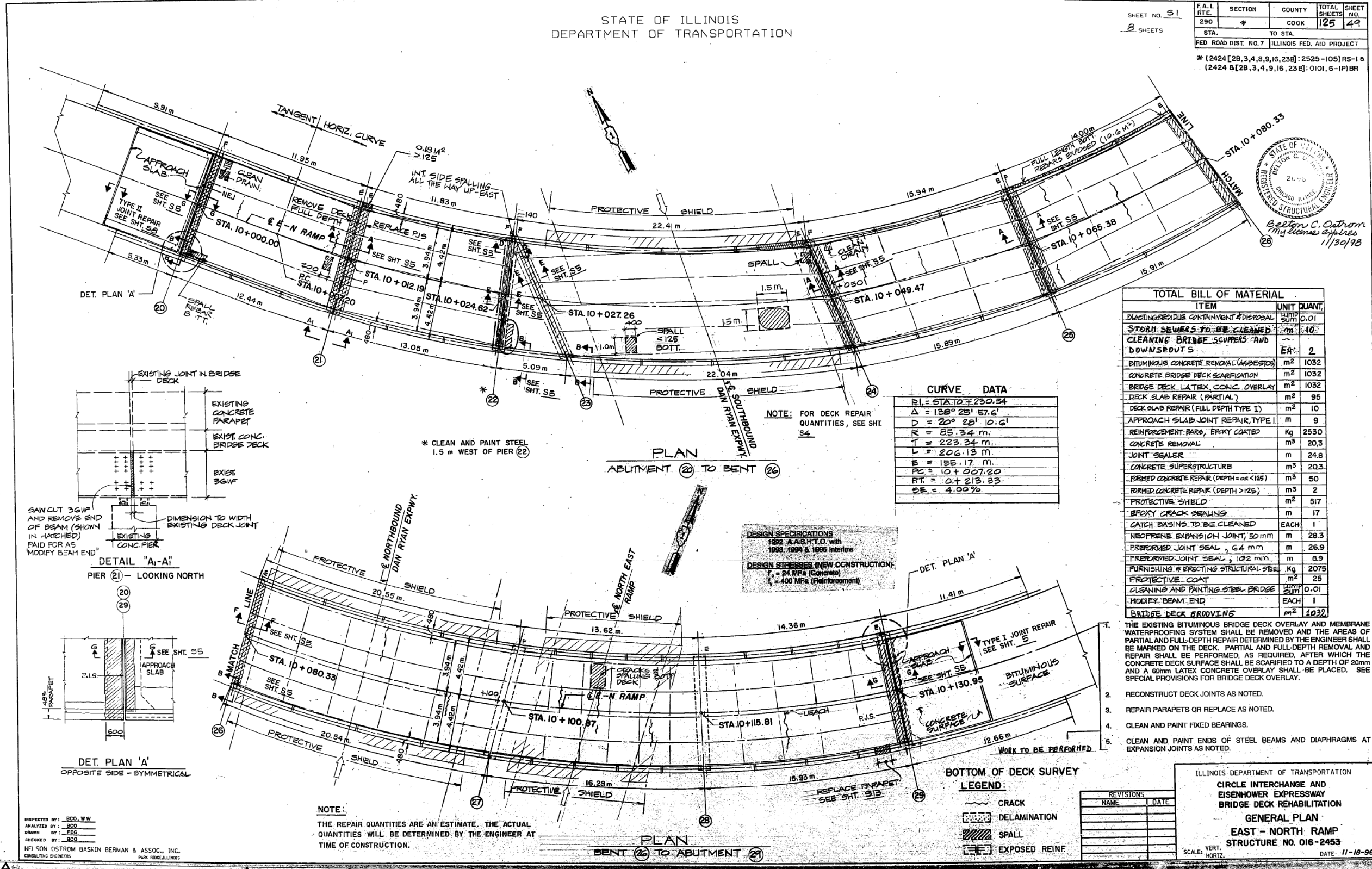
# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 51  
8 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	#	COOK	125	49
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

\* (2424 [28,3,4,8,9,16,23]) : 2525-105)RS-1 &  
(2424 8[28,3,4,9,16,23]) : 0101, 6-1P)BR



STATE OF ILLINOIS  
REGISTERED STRUCTURAL ENGINEER  
Belton C. Ostrom  
11/30/98

FILE NAME: D:\1617479-PWINT\aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\016-1712-60X79-5x-Existing\_135



USER NAME	DESIGNED	CHECKED	REVISIONS
ahmad,issa	-	-	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	879
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

## PLANS FOR PROPOSED FEDERAL AID INTERSTATE HIGHWAY

INDEX OF VOLUMES		
VOL. NO.	DESCRIPTION	NO. OF SHEETS
1	ROADWAY PLANS & GENERAL SHEETS	151
2	MAINTENANCE OF TRAFFIC & ROADWAY CROSS SECTIONS	81
3	BRIDGES & ASSOCIATED STRUCTURES	79
4	RETAINING WALLS AND MISC. STRUCTURES	38
5	ROADWAY LIGHTING & SURVEILLANCE	36
TOTAL		386

SCALES  
PLAN 1 INCH = 50 FEET  
PROFILES HORIZ. 1 INCH = 50 FEET  
PROFILES VERT. 1 INCH = 5 FEET  
CROSS SECTIONS 1 INCH = 10 FEET HORIZONTAL  
1 INCH = 5 FEET VERTICAL

VOLUME NO. 4

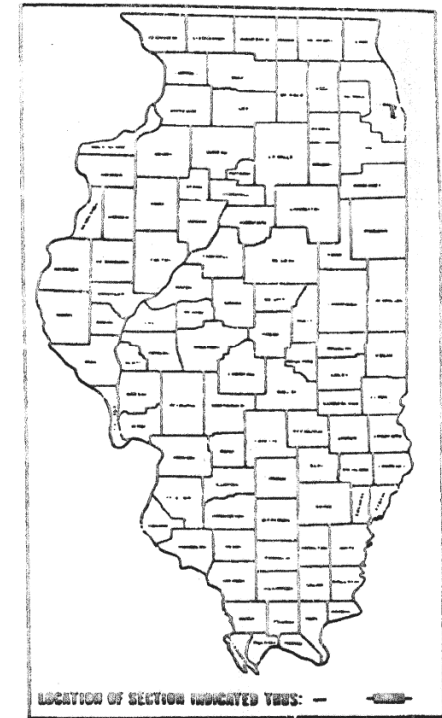
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
SECTION 1985 - 080 R  
PROJECT

COOK COUNTY  
C-91-433-85

ROADWAY GRADING AND PAVING  
MAXWELL STREET TO I-290

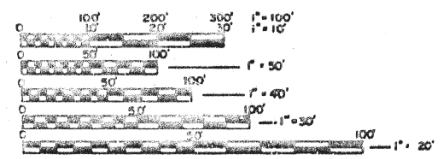
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	38	1

1985 - 080 R  
P-91 179-04



DESIGN DESIGNATION

DAN RYAN EXPRESSWAY (MAINLINE SB & NB) 163,700 (2000) TRUNK 118 41 (15" CRPCC - 20)  
COLLECTOR-DISTRIBUTOR (S B & N B) 28,100 (2000) COLLECTOR 21 63 (15" CRPCC - 20)  
NB ROOSEVELT RD / RUBLE ST }  
S B ROOSEVELT RD / UNION AVE } 19,300 (2000) AREA SERVICE 16 08 (12" PCC - 20)  
N B TAYLOR ST ENTRANCE RAMP }  
TAYLOR ST MAINLINE EXIT } 7,700 (2000) AREA SERVICE 4 67 (10" PCC - 20)  
AND RAMP W S }



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.

CONTRACT NO. 80063

PROJECT ENDS  
STA 17+50 (S B)  
STA 14+75 (N B)  
DAN RYAN EXPRESSWAY

STA. EQ. SB DAN RYAN EXPRESSWAY  
STA. 16+57.86 DK  
STA. 16+37.67 AMD

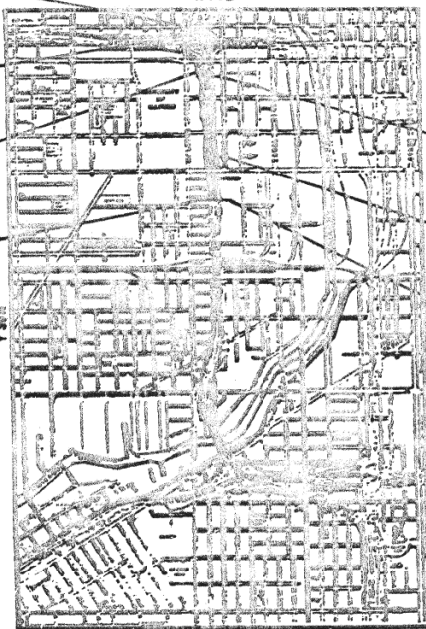
STA. EQ. SB DAN RYAN EXPRESSWAY  
STA. 209+57.18 DK  
STA. 3+11.69 AMD

PROJECT BEGINS  
STA. 183+13.36  
DAN RYAN EXPRESSWAY

STA. EQ. NB DAN RYAN EXPRESSWAY  
STA. 209+59.95 DK  
STA. 3+06.94 AMD

STA. EQ. NB DAN RYAN EXPRESSWAY  
STA. 186+40.07 DK  
STA. 186+39.04 AMD

STA. EQ. SB DAN RYAN EXPRESSWAY  
STA. 183+13.36 DK  
STA. 183+13.36 AMD



NET LENGTH = 4,122.32 LIN. FT. (0.78 MILES)  
GROSS LENGTH = 4,122.32 LIN. FT. (0.78 MILES)

SHEET GEN 1 OF 5

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

DESIGNED BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

DIVISION ENGINEER: \_\_\_\_\_

COUNTY COOK SECTION 1985 - 080 R ROUTE 1 90/94 (DAN RYAN EXPRESSWAY)

FILE NAME: D:\V161749-PWINT-aecom\line\local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_136



USER NAME =	ahmad,issa	DESIGNED -	REVISOR -
PLOT SCALE =	N.T.S	CHECKED -	REVISION -
PLOT DATE =	7/26/2018	DRAWN -	REVISION -
		CHECKED -	REVISION -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	880

CONTRACT NO. 60X79

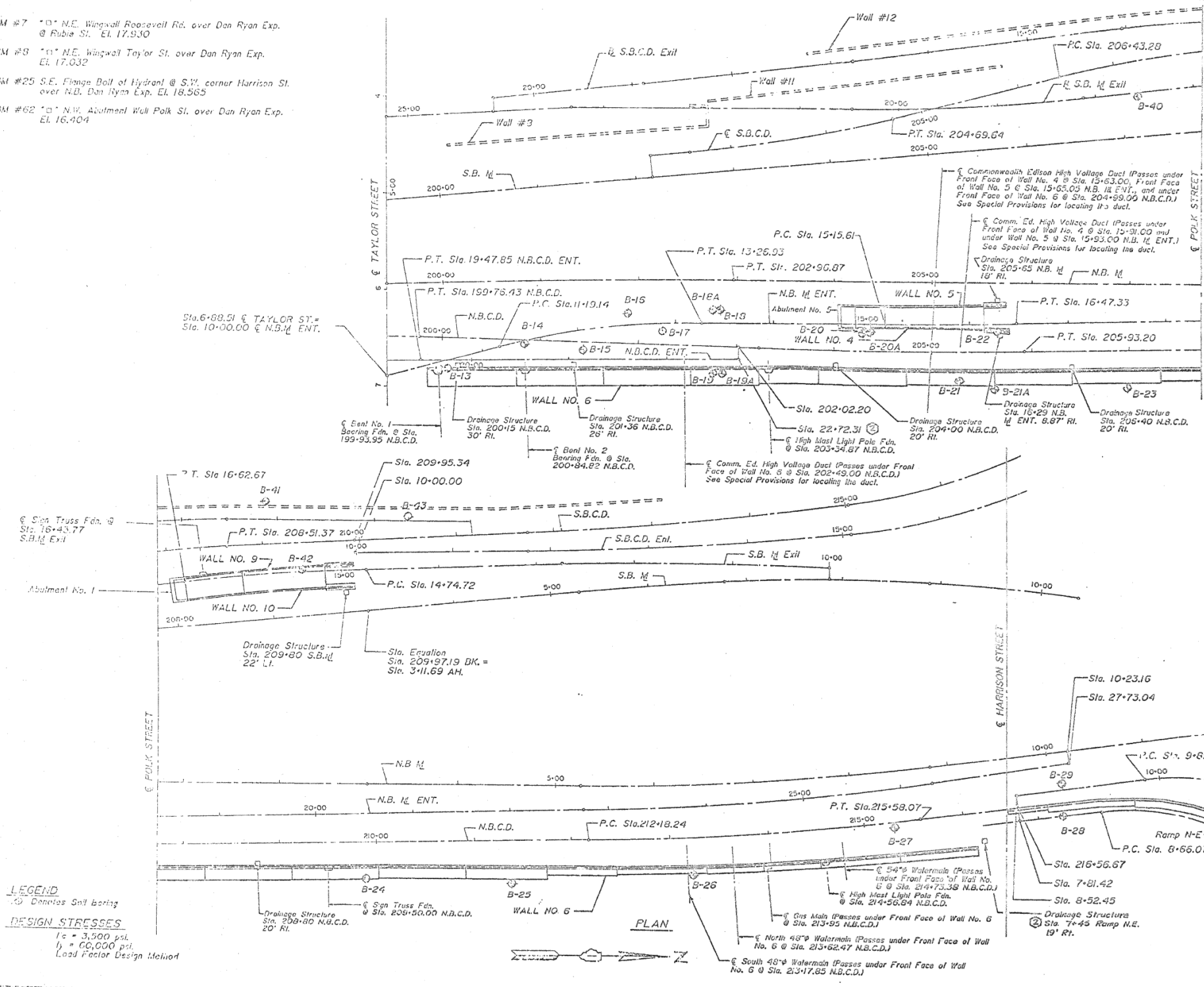
ILLINOIS FED. AID PROJECT



# FOR INFORMATION ONLY

BM #7 \* 0' N.E. Wingwall Roosevelt Rd. over Dan Ryan Exp. @ Rubie St. EL 17.930  
 BM #8 \* 0' N.E. Wingwall Taylor St. over Dan Ryan Exp. EL 17.032  
 BM #25 S.E. Flange Bolt of Hydrant @ S.W. corner Harrison St. over N.B. Dan Ryan Exp. EL 18.965  
 BM #62 \* 0' N.W. Abutment Wall Polk St. over Dan Ryan Exp. EL 16.404

FEDERAL AID DISTRICT NO.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
90/94	1985-0808	COOK	888	881



### GENERAL NOTES

- Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42, or M-53, Grade 60.
- When artificial lighting is utilized in night operations, the contractor shall exercise the utmost precaution in preventing adverse visibility to the motoring public as well as the adjoining residential areas.
- Elevations shown on the plans are based on Chicago City Datum.
- The contractor shall obtain all necessary permits from the City of Chicago and any other agencies as required prior to commencing construction.
- For soil boring logs see Geotechnical Study for the Dan Ryan Expressway prepared by the Claude H. Hurley Co., dated March 8, 1985.
- Nonmetallic water seal used on expansion joints shall extend from the top of the upper footing to within 6" of the top of wall.
- The contractor shall drive one (1) Steel Test Pile (HP 10x42), seven (7) Steel Test Piles (HP 12x53) and four (4) Steel Test Piles (HP 12x74) in permanent locations, one (HP 12x53) and one (HP 12x74) at Retaining Wall No. 4 & 5, one (HP 12x53) at Abutment No. 5, one (HP 12x53) and one (HP 12x74) at Retaining Wall No. 6, one (HP 10x42) and one (HP 12x53) at Retaining Wall No. 7, one (HP 12x53) at Retaining Wall No. 9 & 10, and one (HP 12x53) at Abutment No. 1 as directed by the engineer before ordering the remainder of piles.
- For architectural finish (rustication) details and limits, see sheet RW-30.

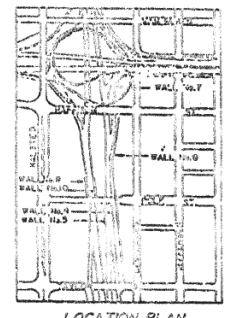
### SPECIFICATIONS

- Standard Specifications for Road and Bridge Construction Adopted October 1, 1983 by the State of Illinois, Department of Transportation, and Supplements.
- Standard Specifications For Highway Bridges, AASHTO 1983 with 1984, 1985 and 1986 Interims.



Signed: *Henry E. Ecala* Date: 10/20/87  
 Henry Ecala, SE, Reg. No. 2487

APPROVED  
*James J. Rugh*  
 PROJECT ENGINEER



**LEGEND**  
 (S) Daniels Soil boring  
**DESIGN STRESSES**  
 1c = 3,500 psi  
 1s = 60,000 psi  
 Load Factor Design Method

NO.	DATE	BY	REVISION
1	12-9-87		

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY)  
 SECTION 1985-0808 COOK COUNTY  
 ROADWAY GRADING AND PAVING  
 RETAINING WALL NOS. 4, 5, 6, 7, 9 & 10  
 GENERAL PLAN  
 SHEET GEN 3 OF 5  
 DATE: 8-14-87  
 ENVIROLINE ENGINEERS INC.  
 Chicago, Illinois

FILE NAME: D:\1617479-PWINT-accomline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_137



USER NAME	DESIGNED	REVISION
ahmad,issa	-	-
PLOT SCALE	DRAWN	REVISION
N.T.S	-	-
PLOT DATE	CHECKED	REVISION
7/26/2018	MI, MAI	-

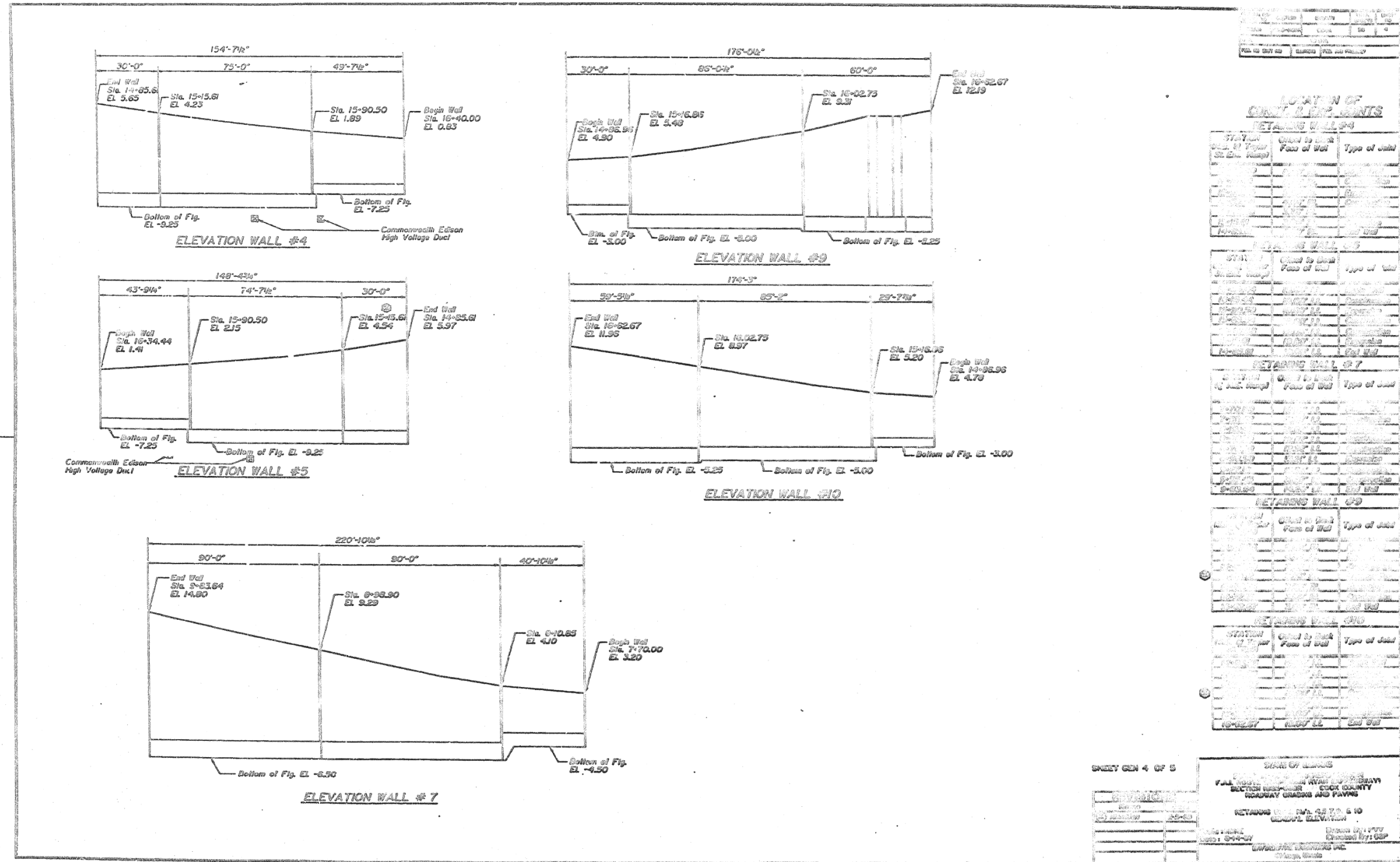
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	881

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



FILE NAME: D:\V161749-PWINT-accomline.local\AECOM\_DS02\_NAYDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Plans\0161712\Existing\_Plans\0161712-60X79-Sxx-Existing\_138



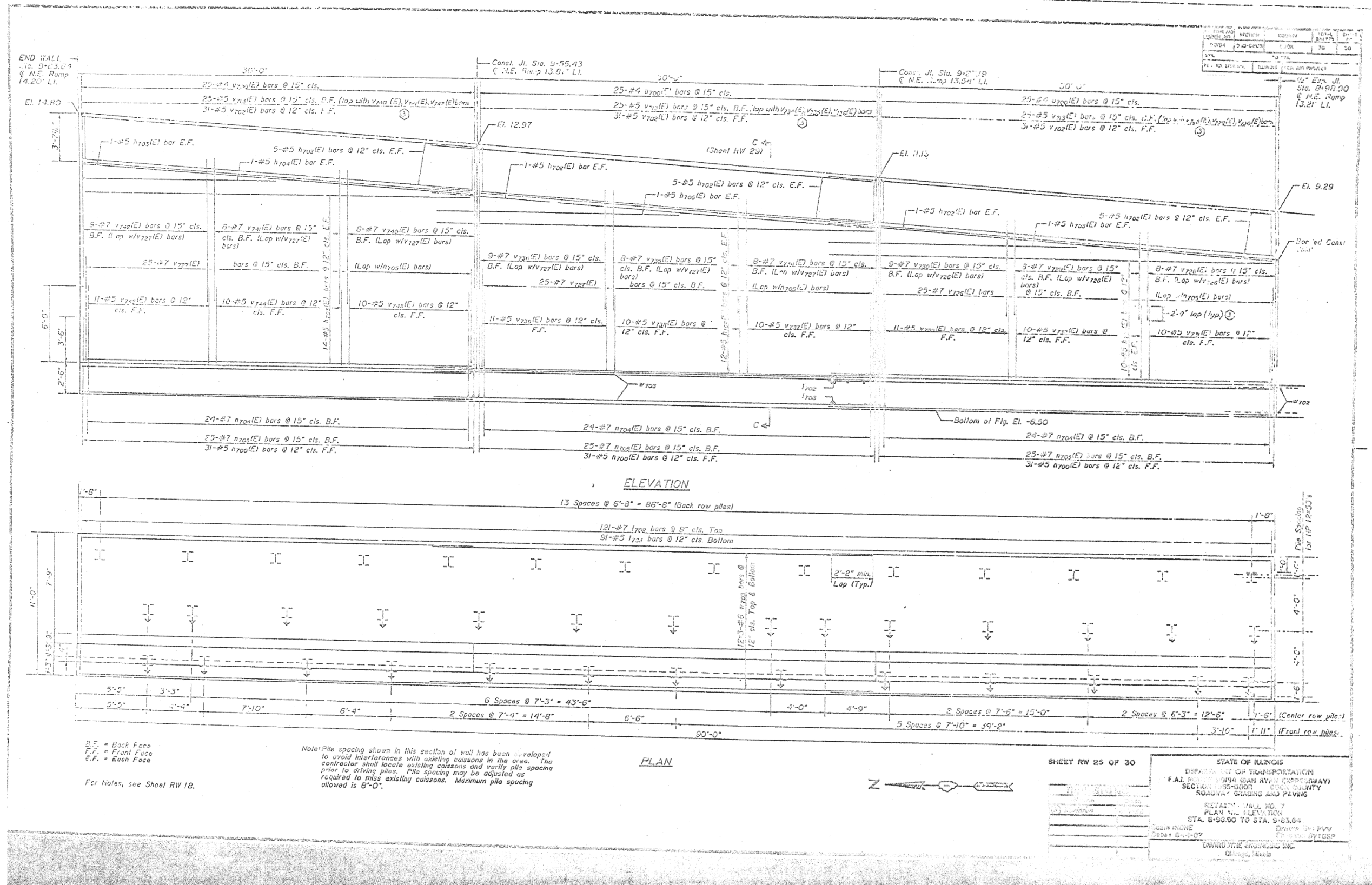
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	882
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



FILE NAME: D:\1617479-PWINT-acomonline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_139



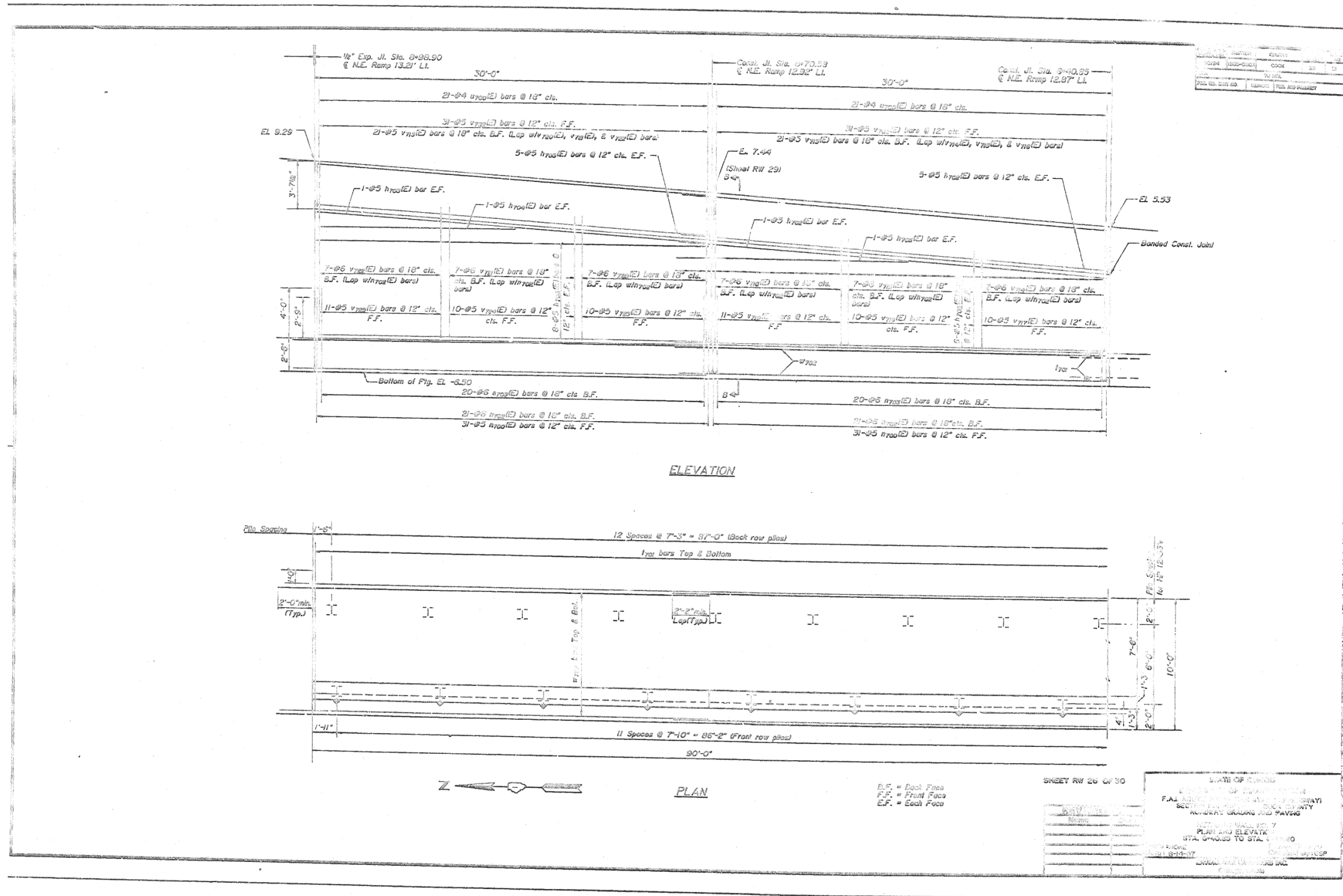
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PLOT DATE =	7/26/2018	DRAWN -	REVISD -
		CHECKED -	REVISD -
		MI, MAI	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	883
CONTRACT NO. 60X79				
ILLINOIS FED. AID PROJECT				

# FOR INFORMATION ONLY



FILE NAME: D:\V161749-PWINT.aecommonline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_140



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PLOT DATE =	7/26/2018	CHECKED -	REVISD -
		MI, MAI	

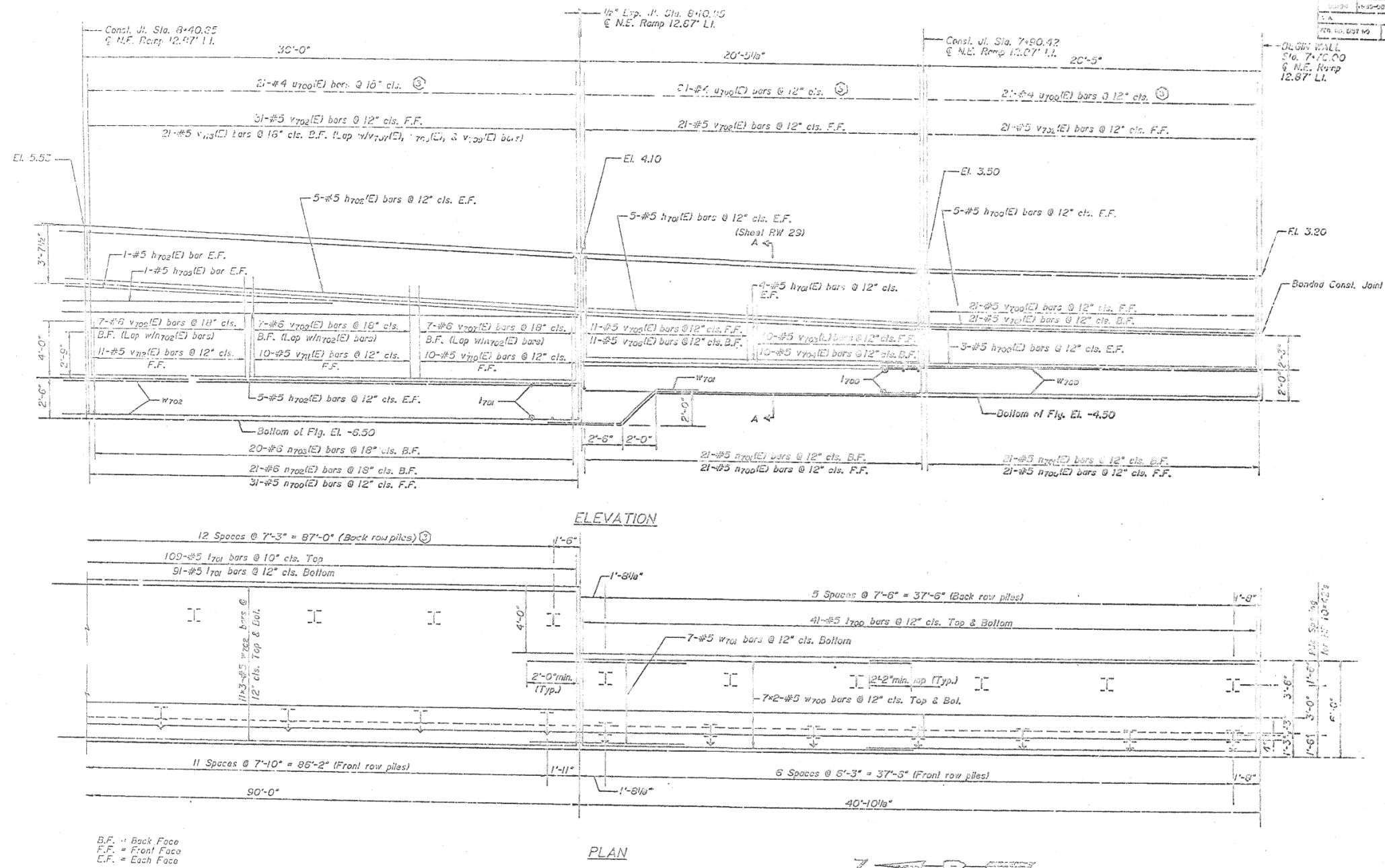
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	884
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



B.F. = Back Face  
 F.F. = Front Face  
 E.F. = Each Face  
 Note: For notes see sheet RW 18.

DATE	BY	CHKD	APPD
11/14/13	ahmad.issa	MI, MAI	

SHEET RW 27 OF 30

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.I. ROUTE 50/54 ION RYAN EXPRESSWAY  
 SECTION 13R-008R COOK COUNTY  
 ROADWAY GRADING AND PAVING

RETAINING WALL NO. 7  
 PLAN AND ELEVATION  
 STA. 7+76.00 TO STA. 8+40.93

DATE: 8-14-17

ENVIROTECH ENGINEERS INC.  
 Chicago, Illinois

FILE NAME: D:\1617479-PWINT\_aecom\online.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_CirclePhase\_I\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_141



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		MI, MAI	

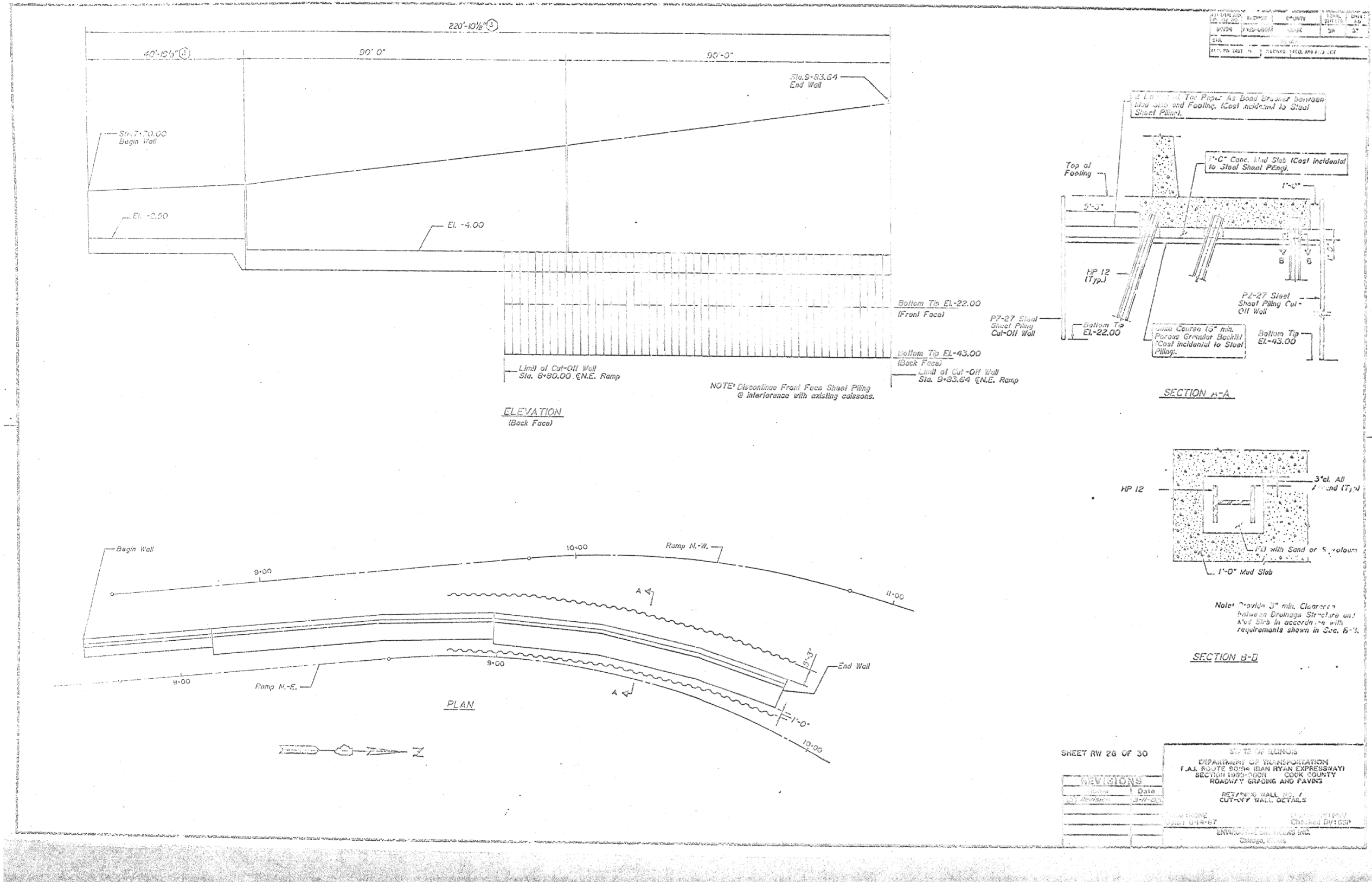
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	885
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT

# FOR INFORMATION ONLY



FILE NAME: D:\161749-PWINT-accomline.local\AECOM\_DS02\_NAD\Documents\01\_Americas\Transportation\60269938\_Circle\Phase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_142



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING RECORD DRAWINGS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2014-005R&B	COOK	888	886
CONTRACT NO. 60X79				

ILLINOIS FED. AID PROJECT



# FOR INFORMATION ONLY

FILE NAME: DWG:\617479-PWINT-aecom\line\local\AECOM\_DS02\_NAVDocuments\01\_Americas\Transportation\60269938\_CirclePhase\_II\000\_CAD\008\_Structural\Structure\_016-1712\Existing\_Plans\0161712-60X79-Sxx-Existing\_144

