

FOR INFORMATION ONLY

Main table with columns: SPAN, GIRDER, L, WEB PL., GIRDER DIMENSIONS (A, B, C, CAMBER), TOP FLANGE PLATES (A, B, C), BOTTOM FLANGE PLATES (A, B, C), STIFFENERS (BRG, INT), SHEAR CONNECTOR SPACING (a, b, c), STUD HEIGHT, DL DEFLECTION & V.C. ORDINATES, BEARING AT REAR PIER, BEARING AT FORWARD PIER, END DIAPHRAGM CONNECTION TYPE, DIM. T, EL. F.

NOTE For Continuous Girder Data Omitted see sheet No 541

NOTES: * Indicates stepped Top and Bottom Flange at Rear Pier Bearings. * Indicates framed connection to Steel Pier. * Use 7' stud height on Top Flange Plate C and 5' height on Plates A and B. □ Set all bearing devices of a given span in the direction of the girder indicated. See Anchor Bolt Setting Diagrams, Sheets 58 through 59.

Summary table with columns: ROUTE NO., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., PROJECT NO., PROJECT DATE.

CITY OF CHICAGO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING SOUTHWEST ROUTE SUPERHIGHWAY ELEVATED HIGHWAY S. LAKE PARK AVE TO S. LAKE SHORE DRIVE SECTION SW-1818.3-2H GIRDER SCHEDULE-NW & E-S RAMPS SCALE: AS NOTED DEC. 1964 SHEET NO. 5-48 OF 99 SHEETS



Project metadata table: USER NAME: auyeungh, DESIGNED: -, CHECKED: -, REVISED: -, DRAWN: HAY, CHECKED: ATB, PLOT DATE: 11/11/2014

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

AS-BUILTS SHEET NO. 84 OF 174 SHEETS

Summary table: F.A.I. R.T.E.: 55, SECTION: 2010-080-B, COUNTY: COOK, TOTAL SHEETS: 886, SHEET NO.: 401, CONTRACT NO.: 60L70, ILLINOIS FED. AID PROJECT

247-60L70_As-Builts.dgn

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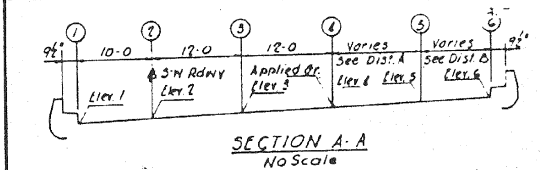
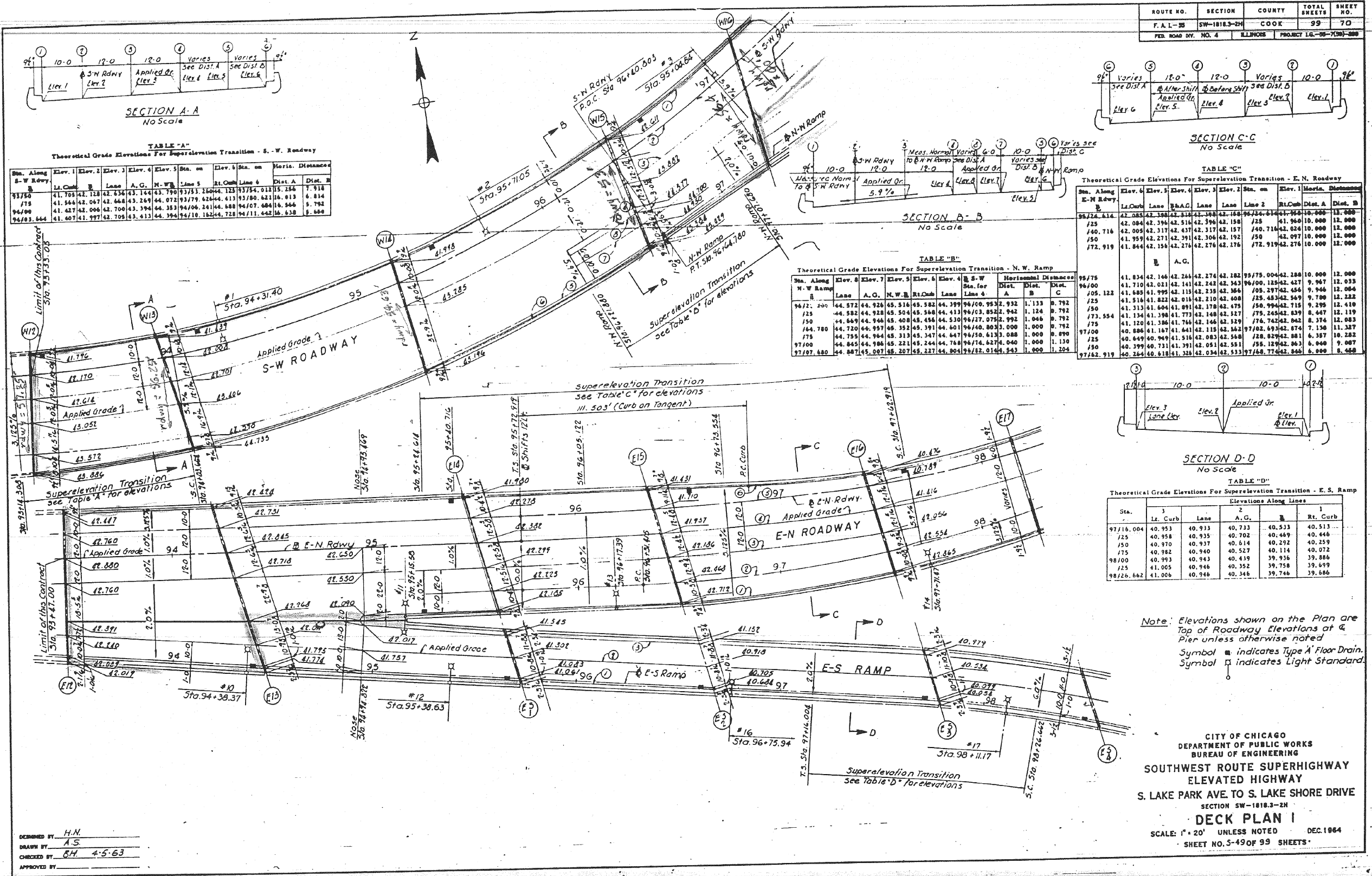


TABLE "A"
Theoretical Grade Elevations For Super-elevation Transition - S. W. Roadway

Sta. Along S-W Roadway	Elev. 1	Elev. 2	Elev. 3	Elev. 4	Elev. 5	Sta. on	Elev. 6	Sta. on	Horiz. Distances
91/50	41.705	42.128	42.634	43.164	43.790	93/753	260.64	123	93/754, 01135, 284, 7, 918
7/5	41.544	42.047	42.648	43.249	44.072	93/779	62.64	413	93/780, 62116, 013, 6, 814
94/00	41.427	42.006	42.700	43.394	44.383	94/006	241.64	588	94/007, 68416, 546, 5, 792
94/03.664	41.607	42.197	42.705	43.413	44.396	94/10	182.44	728	94/11, 64216, 638, 5, 680

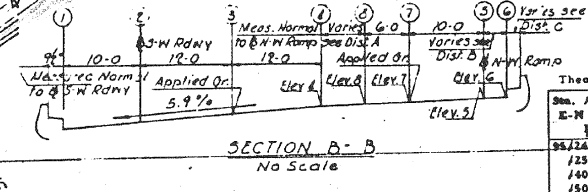


TABLE "B"
Theoretical Grade Elevations For Super-elevation Transition - N. W. Ramp

Sta. Along N-W Ramp	Elev. 8	Elev. 7	Elev. 6	Elev. 5	Elev. 4	S-W	Horizontal Distances
95/75	41.834	42.146	42.244	42.274	42.282	95/75	0.04-42, 188, 10, 000, 12, 000
96/00	41.710	42.021	42.143	42.242	42.343	96/00	125-42, 627, 9, 967, 12, 033
105.122	41.685	41.995	42.115	42.235	42.366	105.122	705, 297-42, 656, 9, 946, 12, 064
96/12.200	41.516	41.822	42.015	42.210	42.408	96/12.200	725, 433-42, 549, 9, 786, 12, 232
125	41.313	41.604	41.891	42.178	42.475	125	550, 994-42, 715, 9, 295, 12, 410
150	41.134	41.398	41.773	42.148	42.527	150	775, 245-42, 839, 8, 447, 12, 119
175	41.120	41.386	41.746	42.146	42.527	175	775, 245-42, 839, 8, 447, 12, 119
775	40.886	41.167	41.643	42.115	42.562	775	775, 245-42, 839, 8, 447, 12, 119
97/00	40.649	40.949	41.516	42.083	42.548	97/00	728, 829-42, 881, 6, 387, 10, 232
125	40.399	40.731	41.391	42.051	42.531	125	728, 829-42, 881, 6, 387, 10, 232
150	40.243	40.618	41.328	42.034	42.533	150	728, 829-42, 881, 6, 387, 10, 232
97/03.680	40.243	40.618	41.328	42.034	42.533	97/03.680	728, 829-42, 881, 6, 387, 10, 232

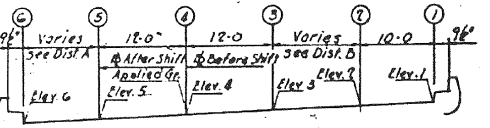


TABLE "C"
Theoretical Grade Elevations For Super-elevation Transition - E. N. Roadway

Sta. Along E-N Roadway	Elev. 4	Elev. 5	Elev. 6	Elev. 7	Sta. on	Elev. 8	Sta. on	Horiz. Distances
94/24.414	42.084	42.396	42.514	42.368	94/24.414	41.940	10, 000	11, 000
125	42.084	42.396	42.514	42.368	125	41.940	10, 000	12, 000
140.716	42.005	42.317	42.437	42.317	140.716	42.000	10, 000	12, 000
150	41.959	42.271	42.391	42.306	150	42.097	10, 000	12, 000
172.919	41.844	42.156	42.276	42.176	172.919	42.276	10, 000	12, 000

TABLE "D"
Theoretical Grade Elevations For Super-elevation Transition - E. S. Ramp

Sta.	3	2	1
97/16.004	40.953	40.933	40.513
125	40.958	40.935	40.469
150	40.970	40.937	40.514
175	40.982	40.940	40.292
98/00	40.993	40.943	39.936
125	41.005	40.946	39.758
98/26.662	41.006	40.946	39.746

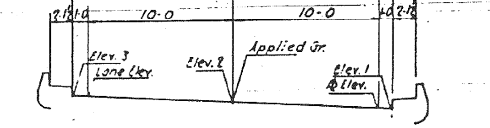


TABLE "D"
Theoretical Grade Elevations For Super-elevation Transition - E. S. Ramp

Sta.	3	2	1
97/16.004	40.953	40.933	40.513
125	40.958	40.935	40.469
150	40.970	40.937	40.514
175	40.982	40.940	40.292
98/00	40.993	40.943	39.936
125	41.005	40.946	39.758
98/26.662	41.006	40.946	39.746

Note: Elevations shown on the Plan are Top of Roadway Elevations at Pier unless otherwise noted
Symbol ■ indicates Type 'A' Floor Drain.
Symbol □ indicates Light Standard.

DESIGNED BY: H.N.
DRAWN BY: A.S.
CHECKED BY: C.H. 4-5-63
APPROVED BY:

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1818-3-2H
DECK PLAN I
SCALE: 1" = 20' UNLESS NOTED DEC.1964
SHEET NO. 85 OF 99 SHEETS

248-60L70_As-Builts.dgn



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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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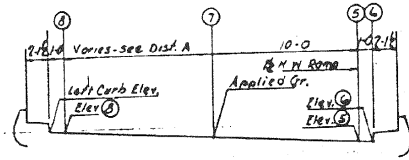
STATE OF ILLINOIS
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AS-BUILTS
SHEET NO. 85 OF 174 SHEETS

F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	402
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

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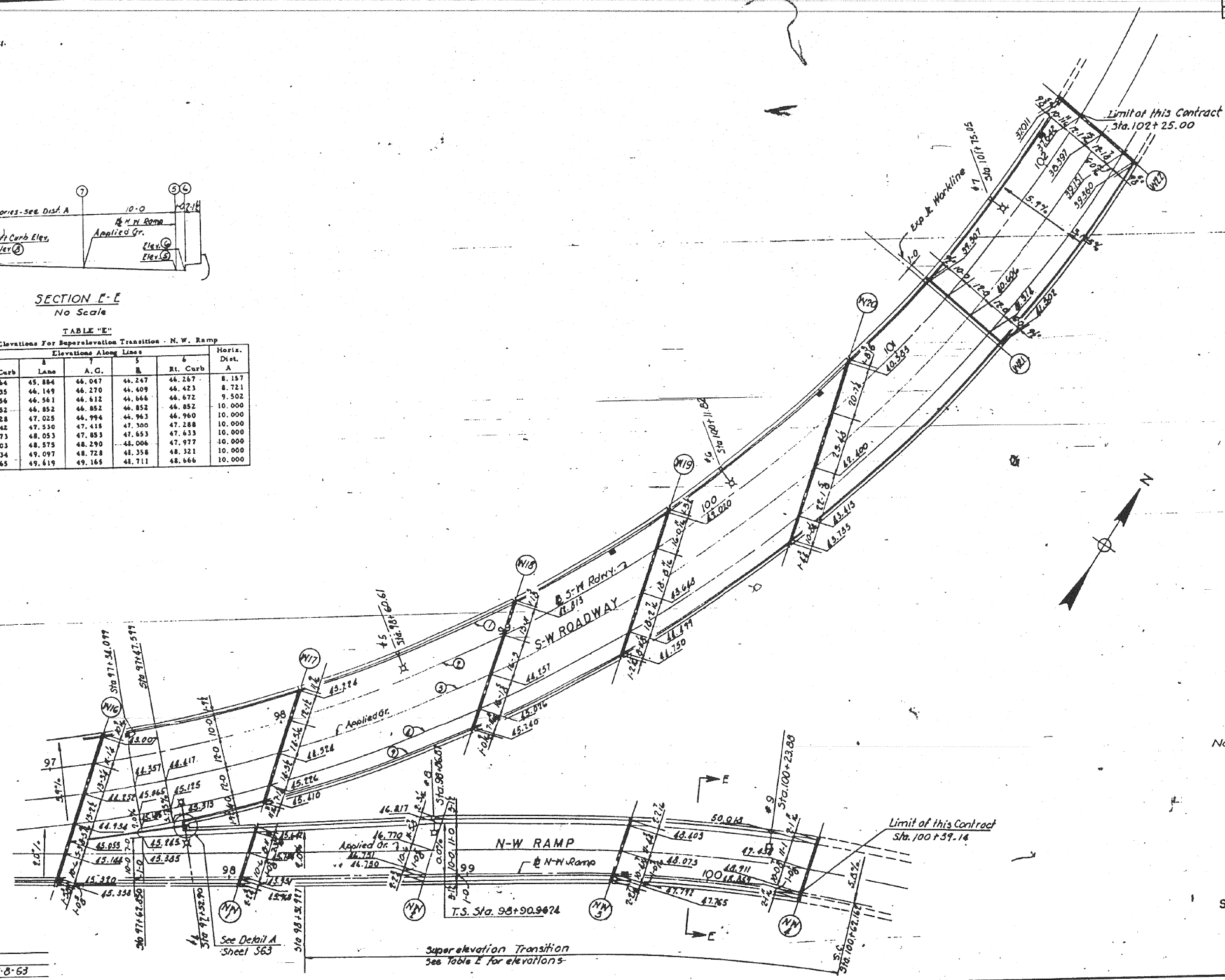
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L.-E	SW-1818.3-2H	COOK	99	71
PER. ROAD-DIV. NO. 4 ILLINOIS PROJECT I.G.-88-7180-280				



SECTION E-E
No Scale

TABLE "E"
Theoretical Grade Elevations For Superelevation Transition - N.W. Ramp

Sta.	Elevations Along Lines					Horiz. Dist. A
	L. Curb	Lane	A.G.	R.	Rt. Curb	
98+31.927	45.864	45.884	46.047	46.267	46.267	8.157
750	46.135	46.149	46.270	46.409	46.423	8.721
775	46.356	46.361	46.612	46.666	46.672	9.502
98+90.962	46.852	46.852	46.852	46.852	46.852	10.000
99+00	47.028	47.025	46.996	46.963	46.960	10.000
725	47.542	47.530	47.418	47.300	47.288	10.000
750	48.073	48.053	47.853	47.653	47.633	10.000
775	48.603	48.575	48.290	48.006	47.977	10.000
100+00	49.134	49.097	48.728	48.358	48.321	10.000
725	49.665	49.619	49.165	48.711	48.666	10.000



Note: Elevations shown are the Top of Roadway Elevations at E Pier unless otherwise noted.
Symbol \square indicates Type 'A' Floor Drain.
Symbol \circ indicates Light Standard.

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SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
DECK PLAN 2
SCALE: 1" = 20' UNLESS NOTED DEC. 1964
SHEET NO. S-500F 99 SHEETS

DESIGNED BY H.N.
DRAWN BY A.S.
CHECKED BY D.H. 4-8-63
APPROVED BY K.A.

Super elevation Transition
see Table E for elevations

See Detail A
Sheet 563



USER NAME = auyeungh	DESIGNED -	REVISED -
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DEPARTMENT OF TRANSPORTATION

AS-BUILTS

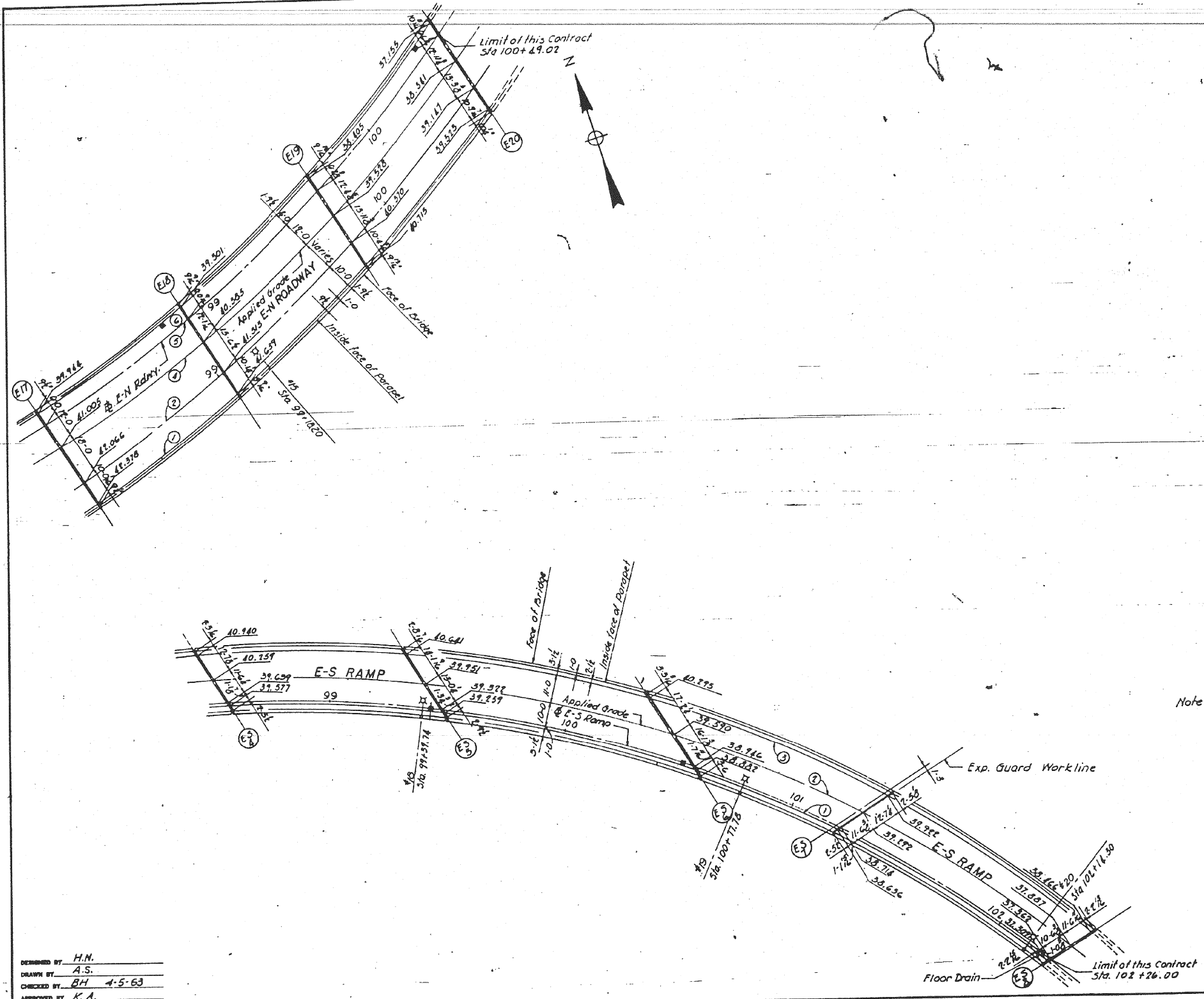
SHEET NO. 86 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	403
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	72
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT LG.-65--29-288		



Note: Elevations shown on the plan are Top of Roadway elevations along & of Pier unless otherwise noted.
 Symbol ■ indicates Type A Floor Drain.
 Symbol ○ indicates Light Standard.

DESIGNED BY H.M.
 DRAWN BY A.S.
 CHECKED BY BH 4-5-63
 APPROVED BY K.A.

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 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-2H
DECK PLAN 3
 SCALE: 1" = 20'
 SHEET NO. 5-51 OF 99 SHEETS
 DEC. 1964

250-60L70...As-Built.s.dgn



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	CHECKED - ATB	REVISED -

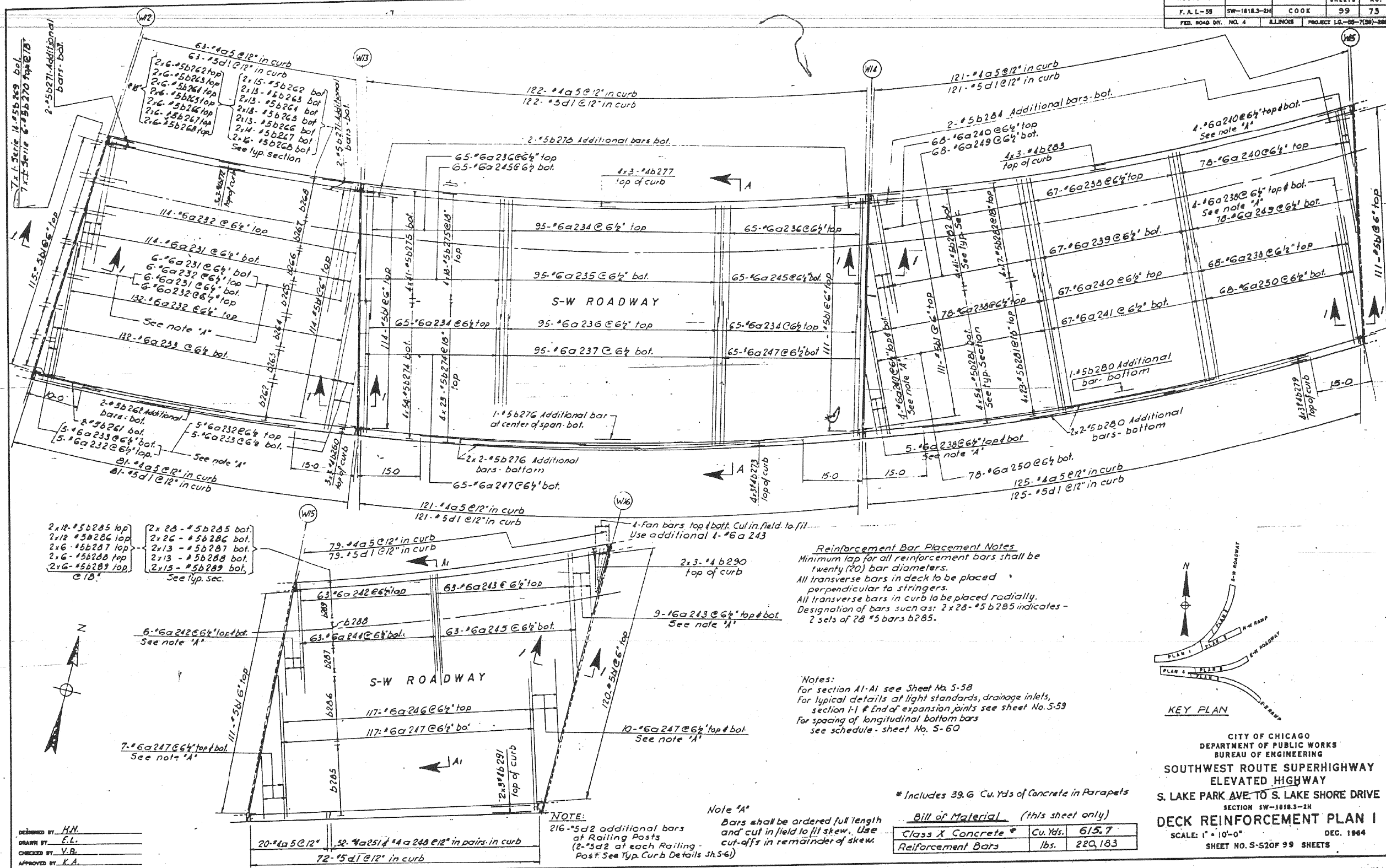
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AS-BUILTS
 SHEET NO. 87 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	404
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L-58	SW-1818.3-2H	COOK	99	73
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT LG-00-7130-200		



Reinforcement Bar Placement Notes
 Minimum lap for all reinforcement bars shall be twenty (20) bar diameters.
 All transverse bars in deck to be placed perpendicular to stringers.
 All transverse bars in curb to be placed radially.
 Designation of bars such as: 2x28-#5b285 indicates - 2 sets of 28 #5 bars b285.

Notes:
 For section A1-A1 see Sheet No. S-58
 For typical details at light standards, drainage inlets, section I-I # End of expansion joints see sheet No. S-59
 For spacing of longitudinal bottom bars see schedule - sheet No. S-60

Note "A"
 Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew.

*** Includes 39.6 Cu. Yds of Concrete in Parapets**

Bill of Material (this sheet only)		
Class X Concrete	Cu. Yds.	615.7
Reinforcement Bars	Lbs.	220,183

DESIGNED BY: H.N.
 DRAWN BY: E.L.
 CHECKED BY: Y.B.
 APPROVED BY: K.A.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 88 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	405
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

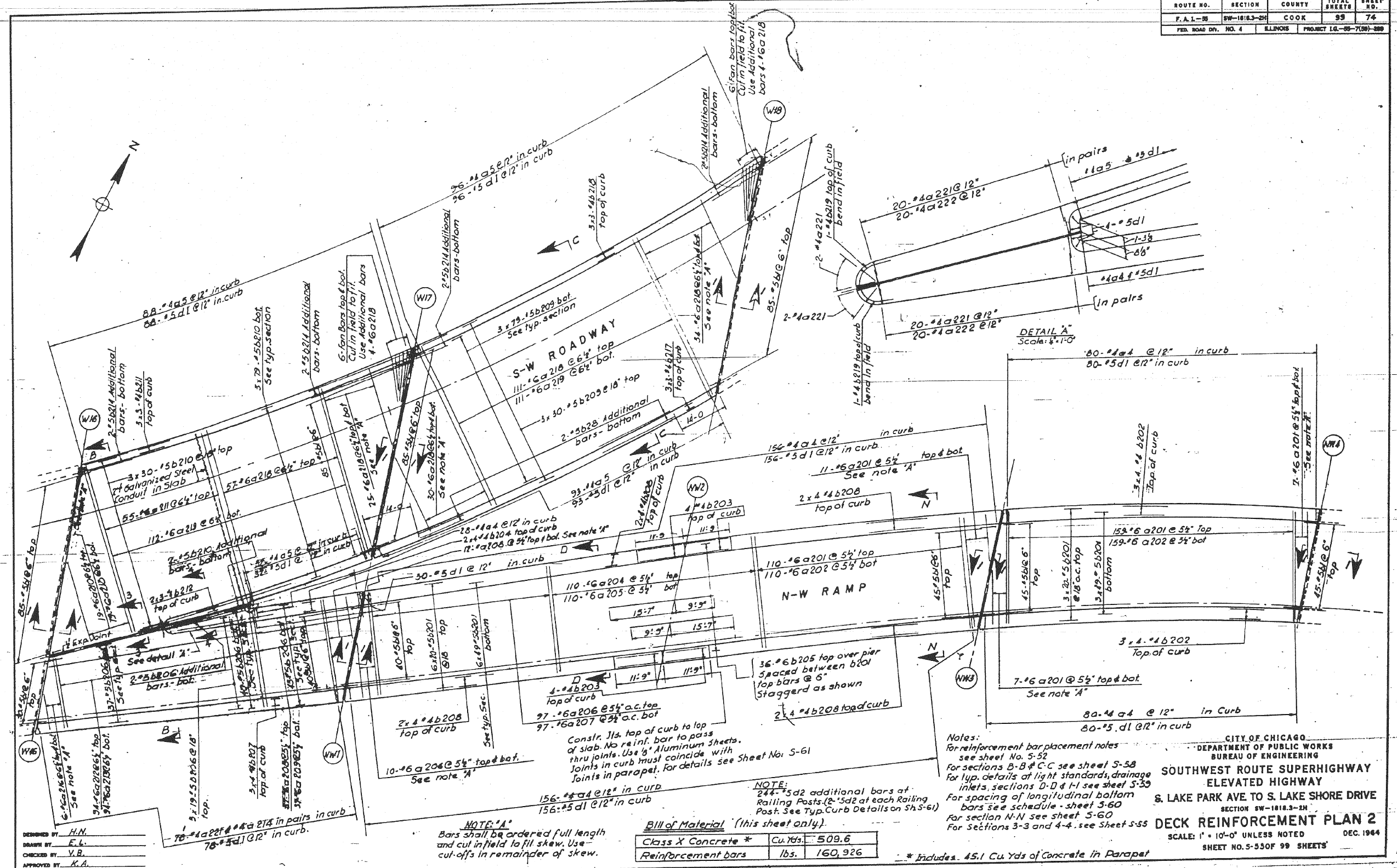
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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	74
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT LG.-55-7(50)-289	



DESIGNED BY: H.N.
 DRAWN BY: F.L.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

NOTE: "A"
 Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew.

Bill of Material (This sheet only)

Class X Concrete *	Cu. Yds.	509.6
Reinforcement bars	lbs.	160,926

Notes:
 For reinforcement bar placement notes see sheet No. S-52
 For sections B-B & C-C see sheet S-58
 For typ. details at light standards, drainage inlets, sections D-D & I-I see sheet S-59
 For spacing of longitudinal bottom bars see schedule - sheet S-60
 For section N-N see sheet S-60
 For sections 3-3 and 4-4 see sheet S-55

CITY OF CHICAGO
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 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE PARK AVE TO S. LAKE SHORE DRIVE**
 SECTION SW-1818.3-2H
DECK REINFORCEMENT PLAN 2
 SCALE: 1" = 10'-0" UNLESS NOTED
 SHEET NO. S-550F 99 SHEETS
 DEC. 1964



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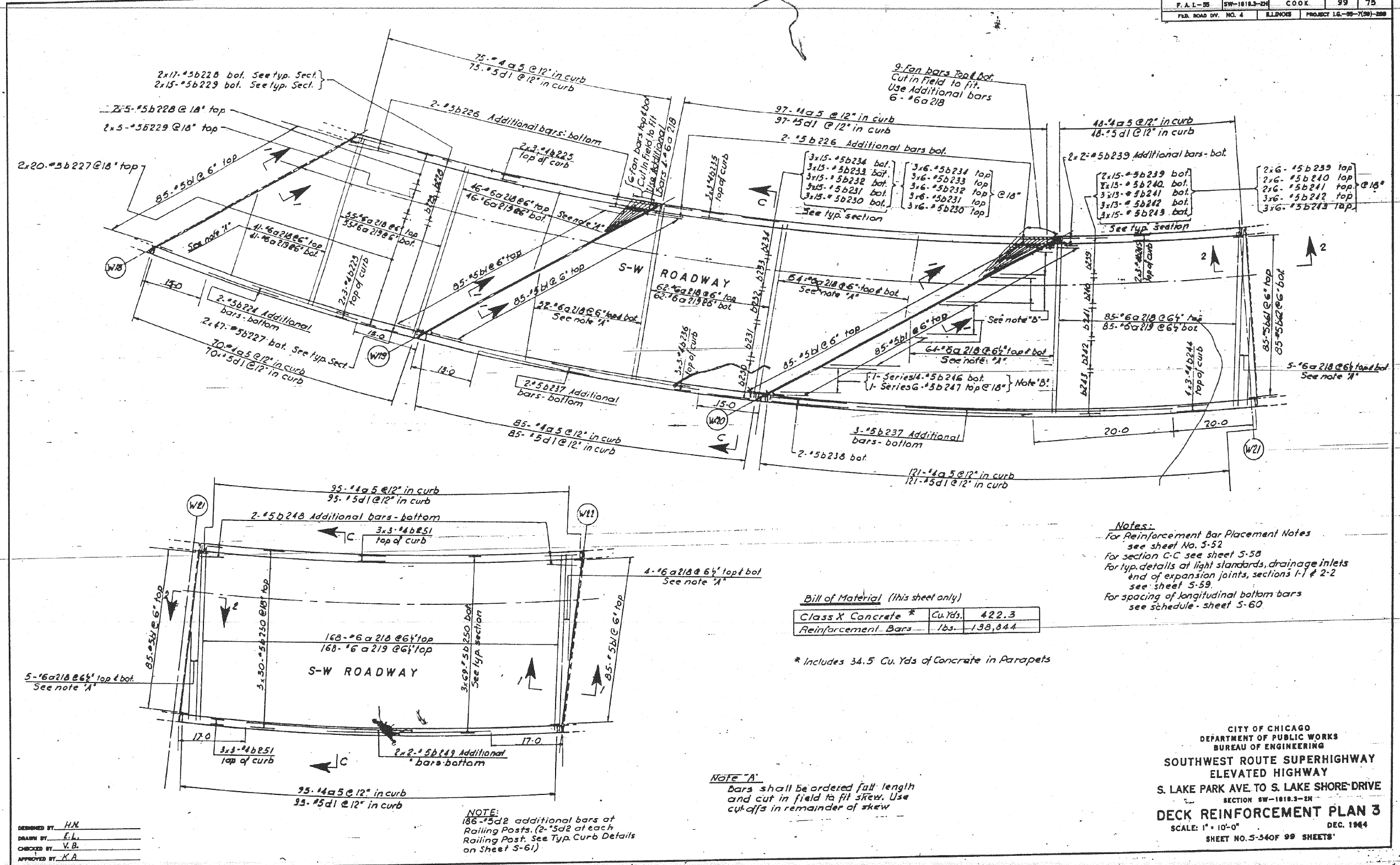
AS-BUILTS
 SHEET NO. 89 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	406
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. L. - 25	SW-1818.3-2H	COOK	99	75
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 16-99-7(58)-288		



DESIGNED BY: H.N.
 DRAWN BY: E.L.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

NOTE:
 186-#5d2 additional bars at Railing Posts. (2-#5d2 at each Railing Post. See Typ. Curb Details on Sheet S-61)

NOTE "A"
 Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew

Bill of Material (This sheet only)

Class X Concrete *	Cu. Yds.	422.3
Reinforcement Bars	Lbs.	138,844

* Includes 34.5 Cu. Yds of Concrete in Parapets

Notes:
 For Reinforcement Bar Placement Notes see sheet No. S-52
 For section C-C see sheet S-58
 For typ. details at light standards, drainage inlets and of expansion joints, sections I-I & 2-2 see sheet S-59
 For spacing of longitudinal bottom bars see schedule - sheet S-60

CITY OF CHICAGO
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 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-2H
DECK REINFORCEMENT PLAN 3
 SCALE: 1" = 10'-0"
 DEC. 1964
 SHEET NO. 5-540F 99 SHEETS

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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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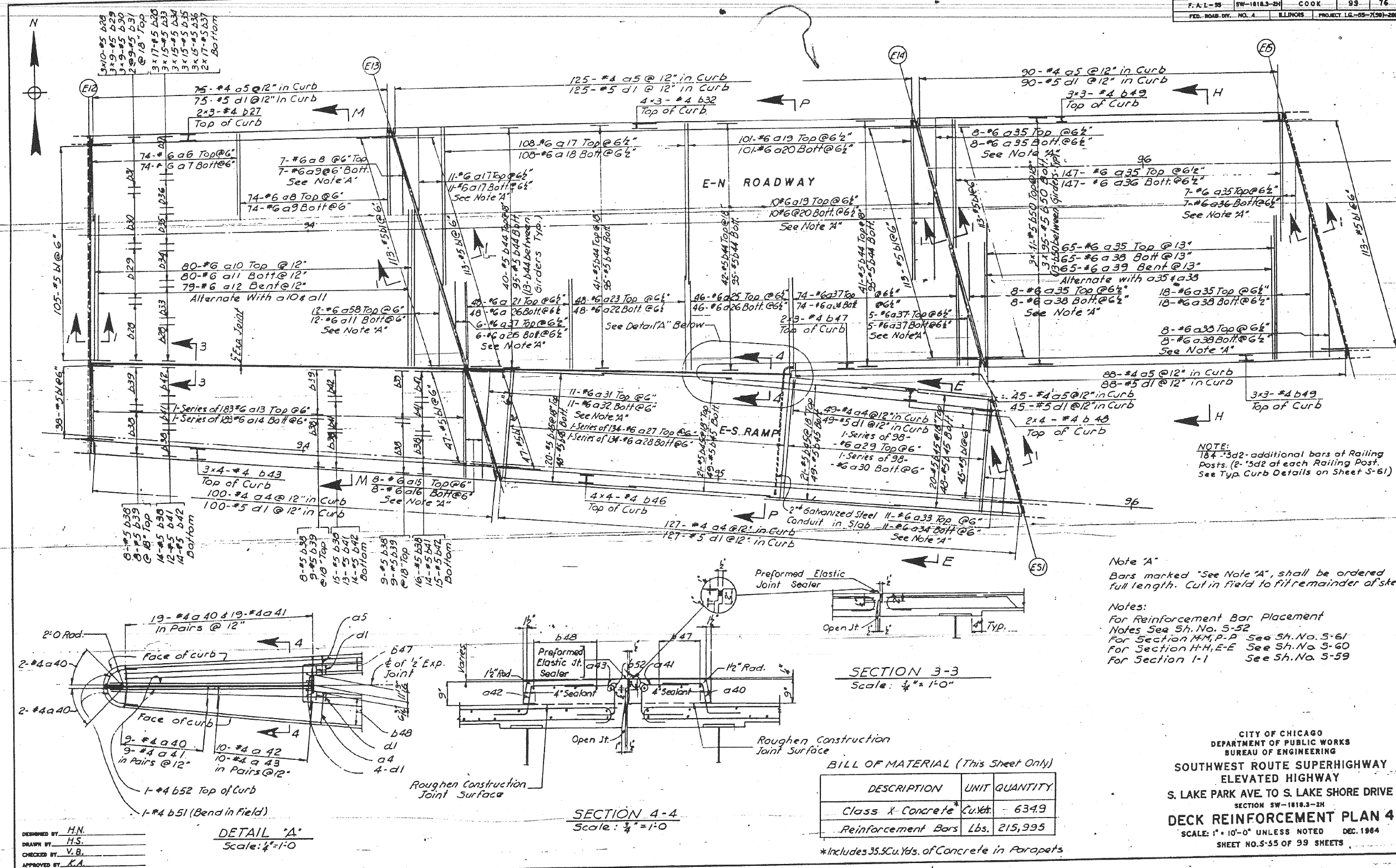
AS-BUILTS

SHEET NO. 90 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	407
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L-95	SW-1818.3-2H	COOK	99	76
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT LG-55-7(58)-208		



NOTE:
184-#3d2- additional bars at Railing Posts. (2-#3d2 at each Railing Post. See Typ. Curb Details on Sheet S-61)

Note "A"
Bars marked "See Note "A", shall be ordered full length. Cut in field to fill remainder of stem

Notes:
For Reinforcement Bar Placement
Notes See Sh. No. S-52
For Section M-M, P-P See Sh. No. S-61
For Section H-H, E-E See Sh. No. S-60
For Section 1-1 See Sh. No. S-59

SECTION 3-3
Scale: 3/4" = 1'-0"

SECTION 4-4
Scale: 3/4" = 1'-0"

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu.Yds.	634.9
Reinforcement Bars	Lbs.	215,995

*Includes 35.5 Cu. Yds. of Concrete in Parapets

DESIGNED BY: H.N.
DRAWN BY: H.S.
CHECKED BY: V.B.
APPROVED BY: K.A.

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

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
DECK REINFORCEMENT PLAN 4
SCALE: 1" = 10'-0" UNLESS NOTED DEC. 1984
SHEET NO. S-55 OF 99 SHEETS



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 91 OF 174 SHEETS

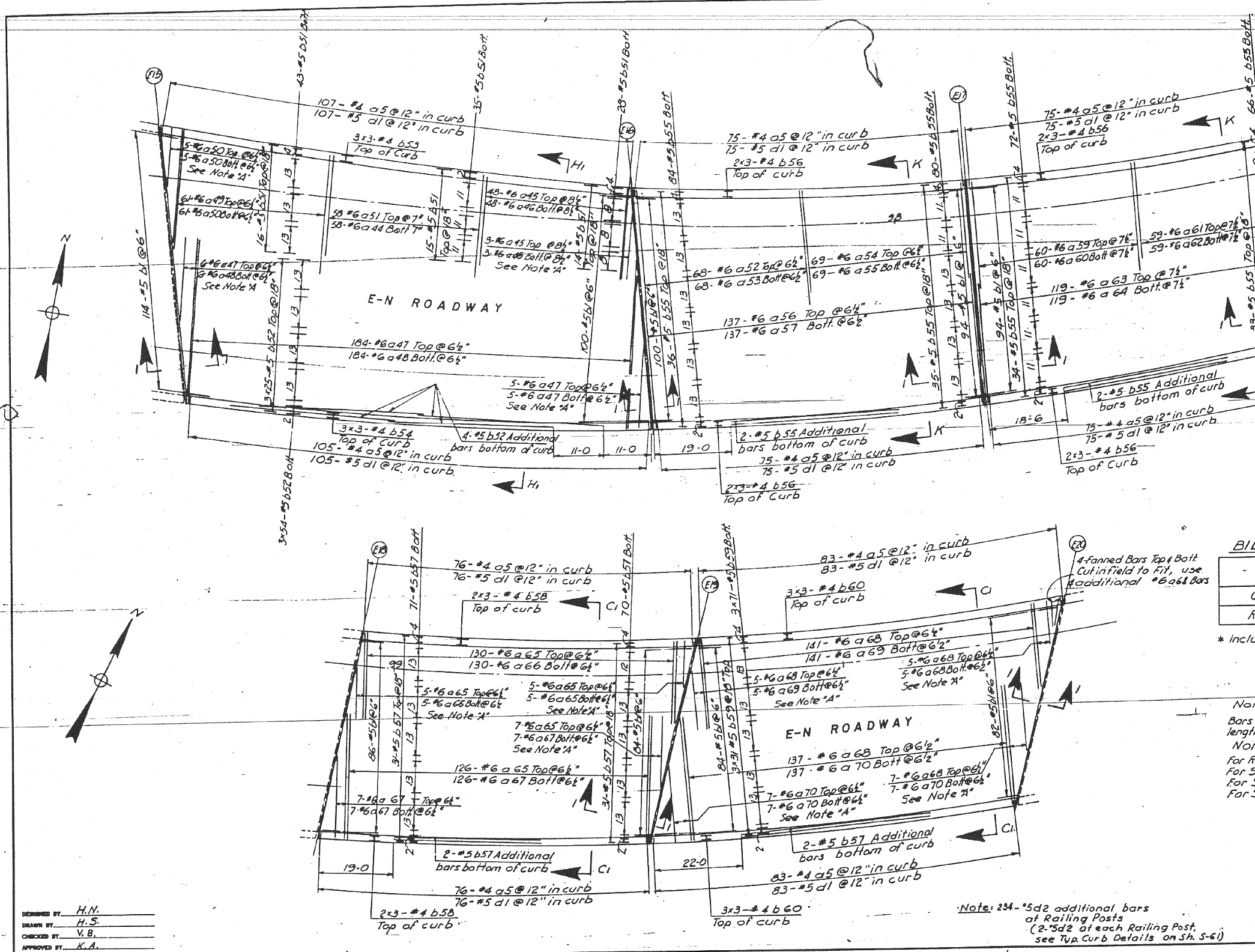
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	408
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

254-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-24	COOK	99	77
FED. ROAD DIST. NO. 4		ILLINOIS	PROJECT LG-95-7150-089	



DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu.Yds	544.9
Reinforcement Bars	Lbs.	188,593

* Includes 41.9 Cu.Yds. of Concrete in Parapets

Note "A":
 Bars marked "See Note A", shall be ordered full length. Cut in field to fit remainder of skew.
 Notes:
 For Reinforcement Bar Placement Notes See Sh. No. 5-58
 For Section I-1 See Sh. No. 5-59
 For Section C-C, C1-C1 See Sh. No. 5-58
 For Section H1-H1, K-K See Sh. No. 5-60

CITY OF CHICAGO
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 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-24
DECK REINFORCEMENT PLAN 5
 SCALE: 1" = 10'-0"
 SHEET NO. 5-56 OF 99 SHEETS
 DEC. 1964

Note: 234- #5d2 additional bars of Railing Posts (2-#5d2 of each Railing Post see Top Curb Details on Sh. 5-61)

255-60L70_As-Builts.dgn



USER NAME = auyeungh
 DESIGNED -
 CHECKED -
 PLOT SCALE =
 DRAWN - HAY
 CHECKED - ATB
 PLOT DATE = 11/11/2014

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AS-BUILTS

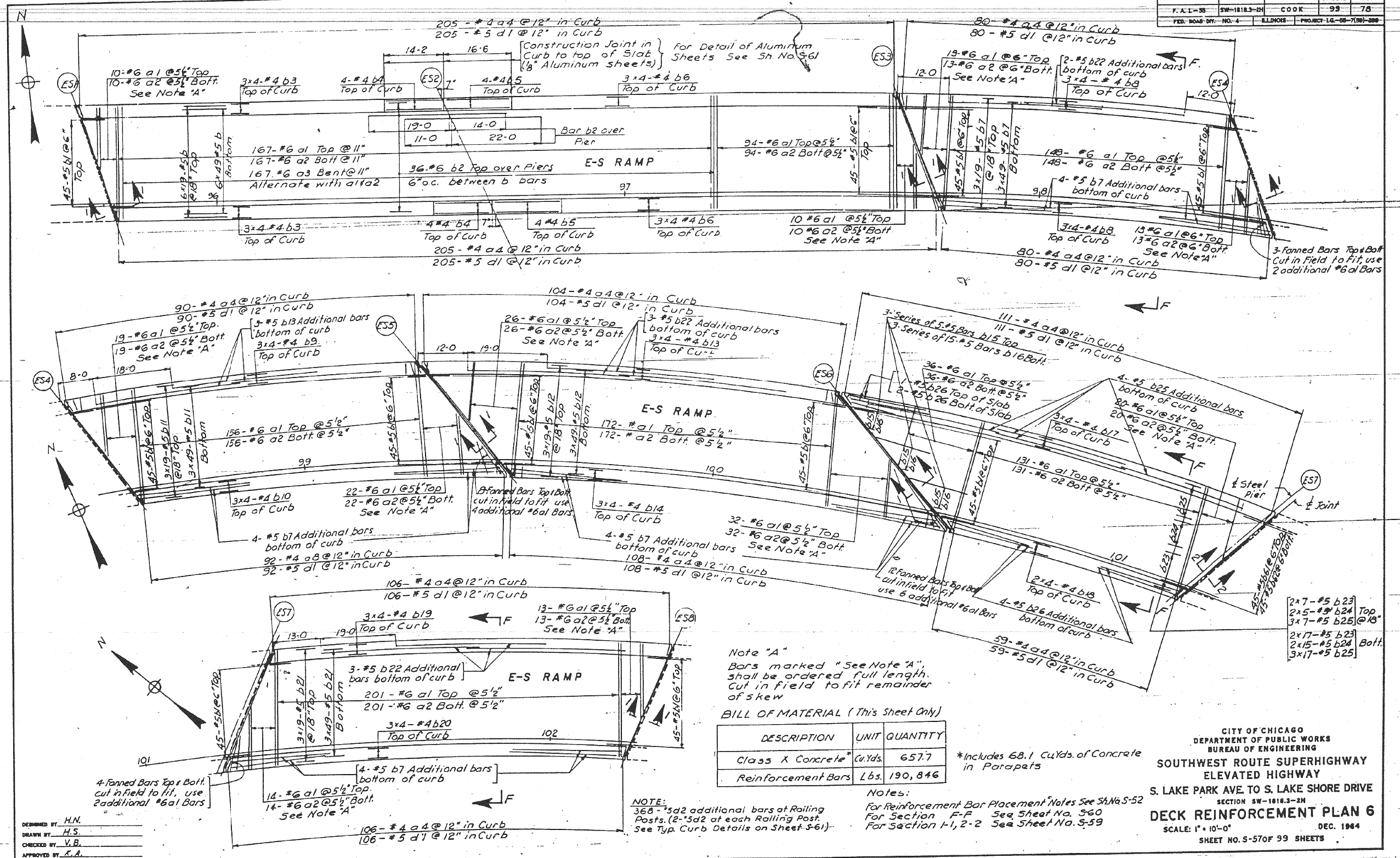
SHEET NO. 92 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	409
				CONTRACT NO. 60L70

ILLINOIS FED. AID PROJECT

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-35	SW-18183-2H	COOK	99	78
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT LG-59-7(99)-288		



Note "A"
 Bars marked "See Note A", shall be ordered full length, cut in field to fit remainder of skew

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu.Yds.	657.7
Reinforcement Bars	Lbs.	190,846

*Includes 68.1 Cu.Yds. of Concrete in Parapets

NOTE:
 368 - #5d2 additional bars at Railing Posts. (2-#5d2 at each Railing Post. See Typ. Curb Details on Sheet S-61)

Notes:
 For Reinforcement Bar Placement Notes See SHNs S-52
 For Section F-F See Sheet No. 560
 For Section 1-1, 2-2 See Sheet No. 559

DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
 SECTION SW-18183-2H
DECK REINFORCEMENT PLAN 6
 SCALE: 1" = 10'-0"
 DEC. 1964
 SHEET NO. 5-570F 99 SHEETS

256-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

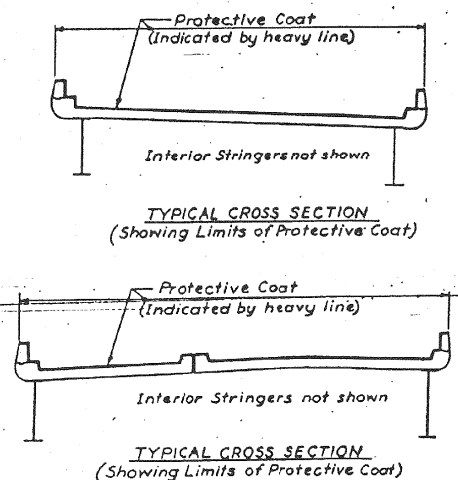
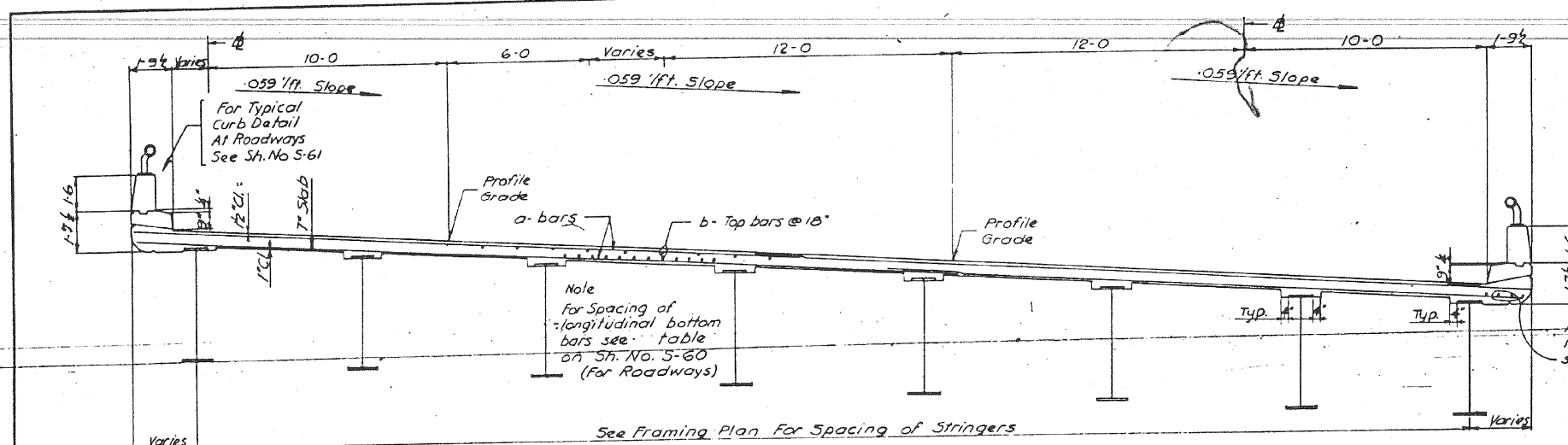
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 93 OF 174 SHEETS

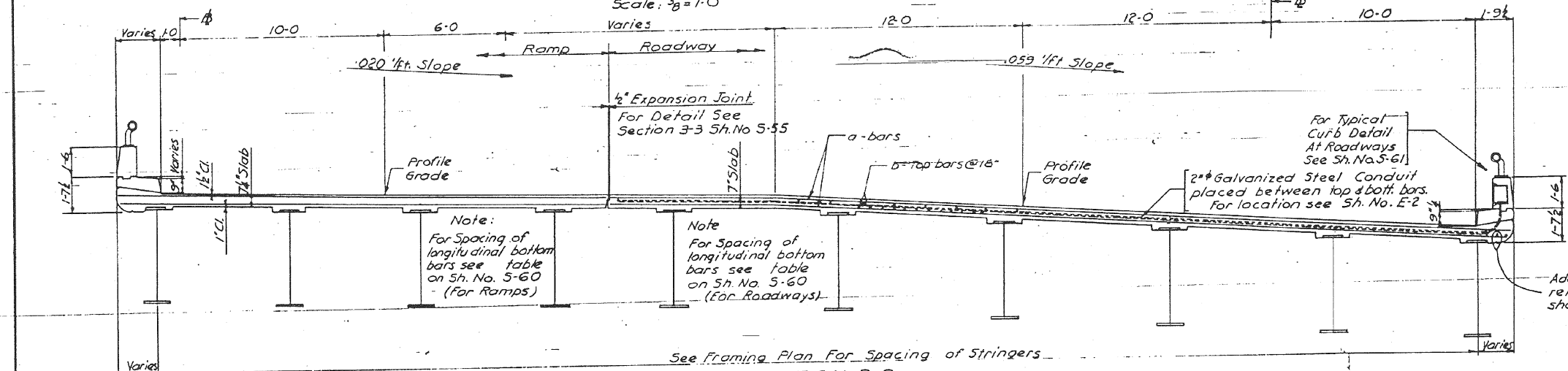
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	410
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

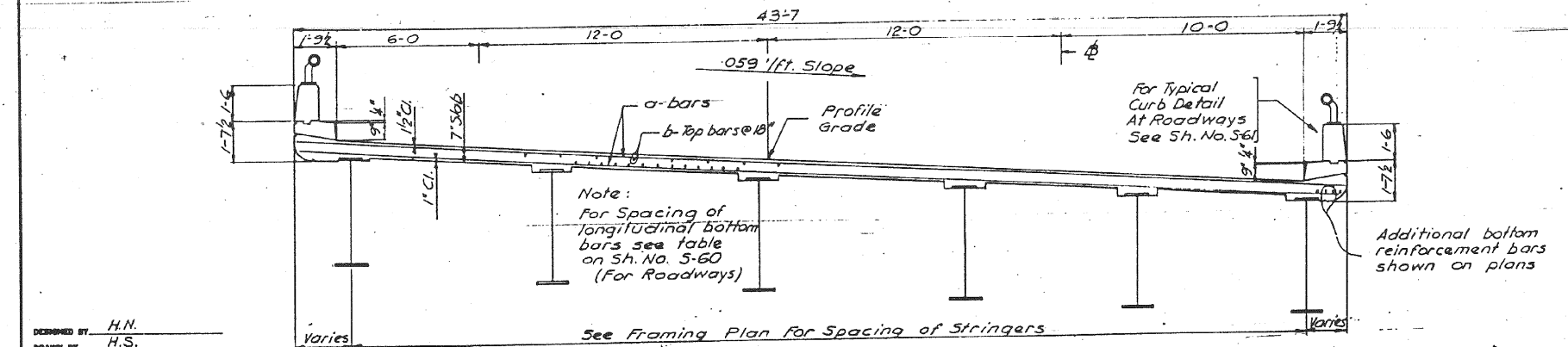
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	79
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT 16-85-7(38)-289		



SECTION A-A (As Shown)
SECTION A1-A1 (Similar)
Scale: 3/8"=1'-0"



SECTION B-B
Scale: 3/8"=1'-0"



SECTION C-C SECTION C1-C1 (Similar)
Scale: 3/8"=1'-0"

Note:
For Location of Sections See Sh. No. S-52, S-53, S-54 & S-56.

DESIGNED BY H.N.
DRAWN BY H.S.
CHECKED BY V.B.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
TYPICAL CROSS SECTIONS
SCALE: AS NOTED DEC. 1964
SHEET NO. 5-58 OF 99 SHEETS

257-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

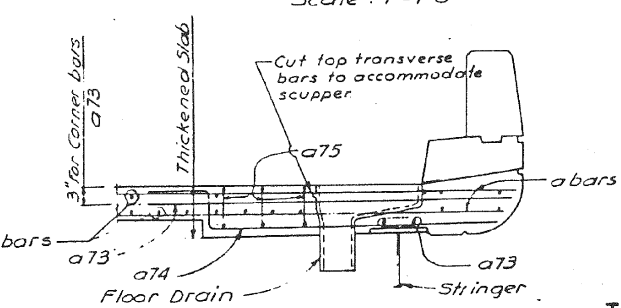
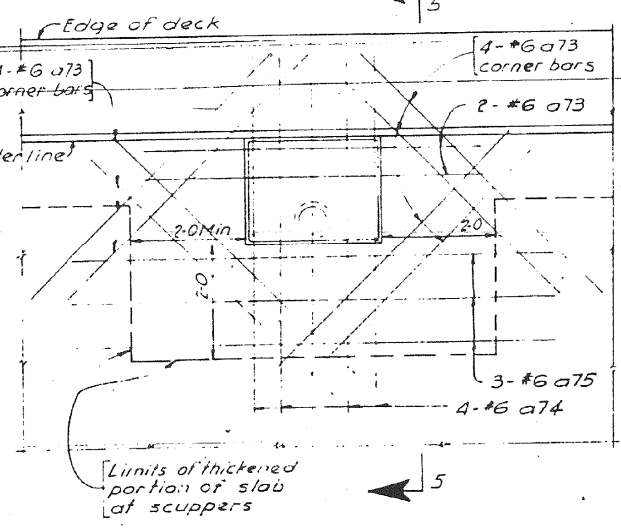
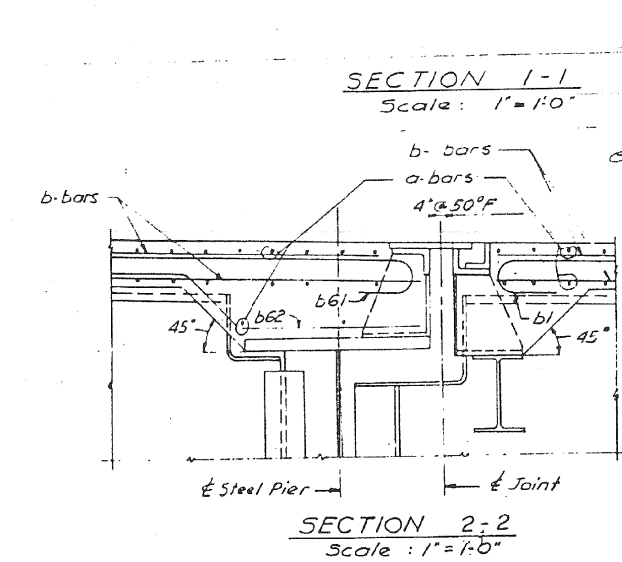
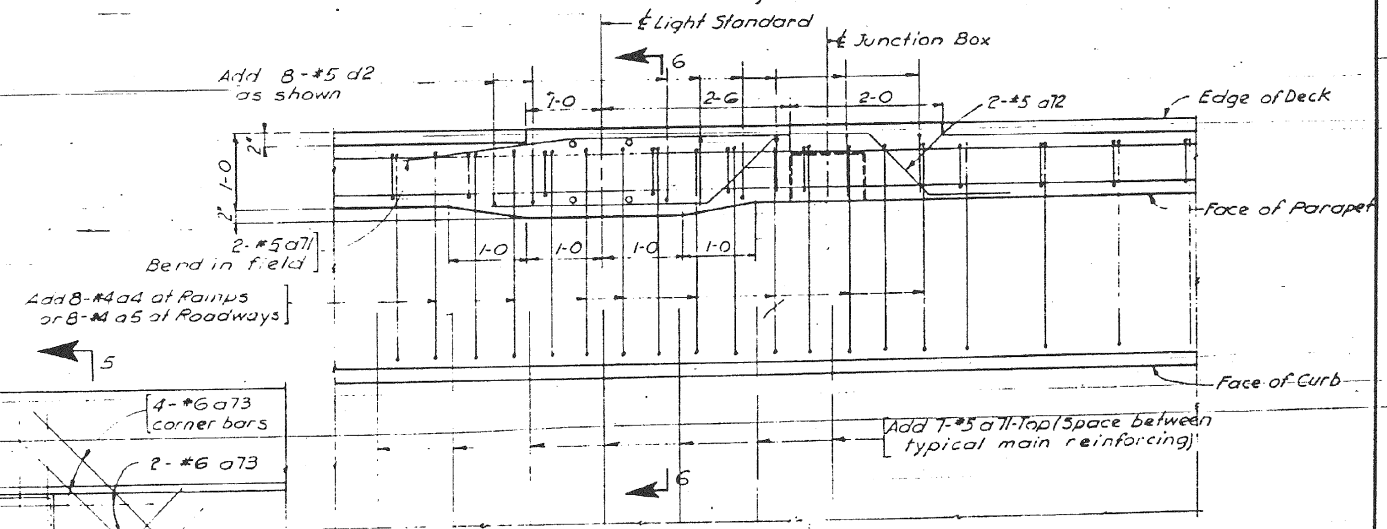
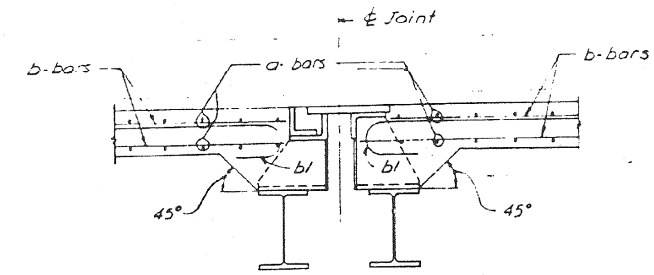
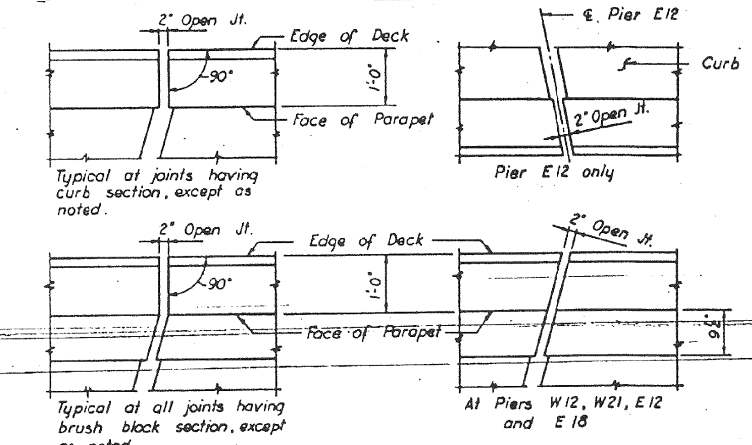
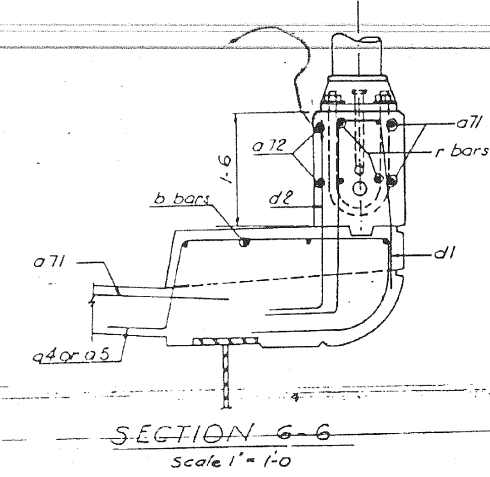
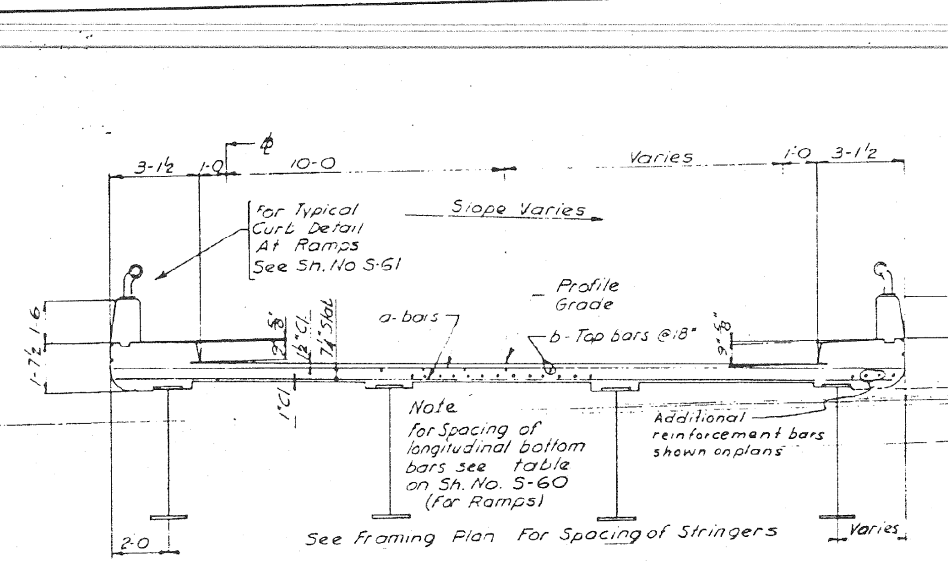
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 94 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	411
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	80
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT LG-35-7159-288		



Note:
For Reinforcement Bar Placement Notes See Sh. No. S-52
For Location of Sect. D-D See Sh. No. S-53
For Location of Sect. I-1 & Sect. 2-2 See Sh. No. S-52 Thru S-57.

CITY OF CHICAGO
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BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
TYPICAL CROSS SECTIONS & DETAILS
SCALE: AS NOTED
DEC. 1964
SHEET NO. 5-59 OF 99 SHEETS

DESIGNED BY H.I.I.
DRAWN BY H.S.
CHECKED BY V.B.
APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED - HAY	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

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DEPARTMENT OF TRANSPORTATION

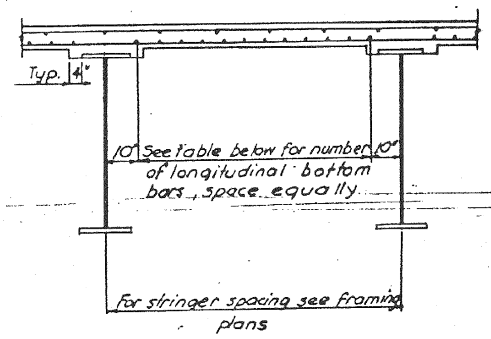
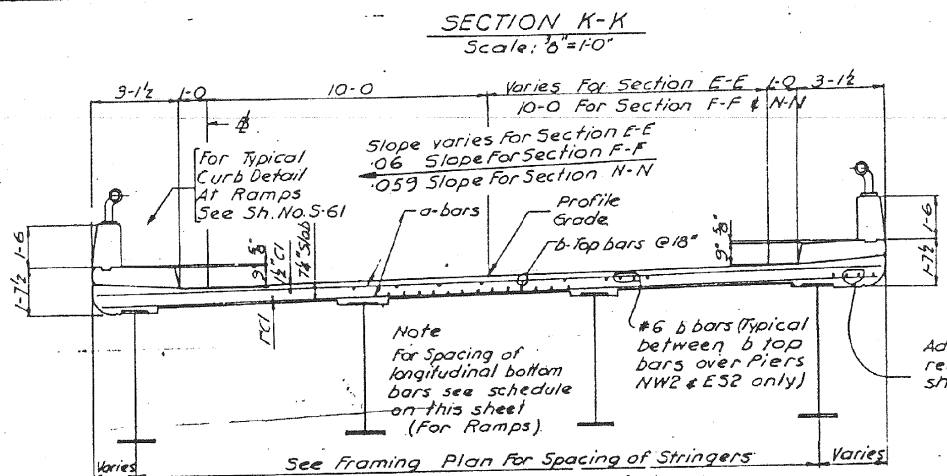
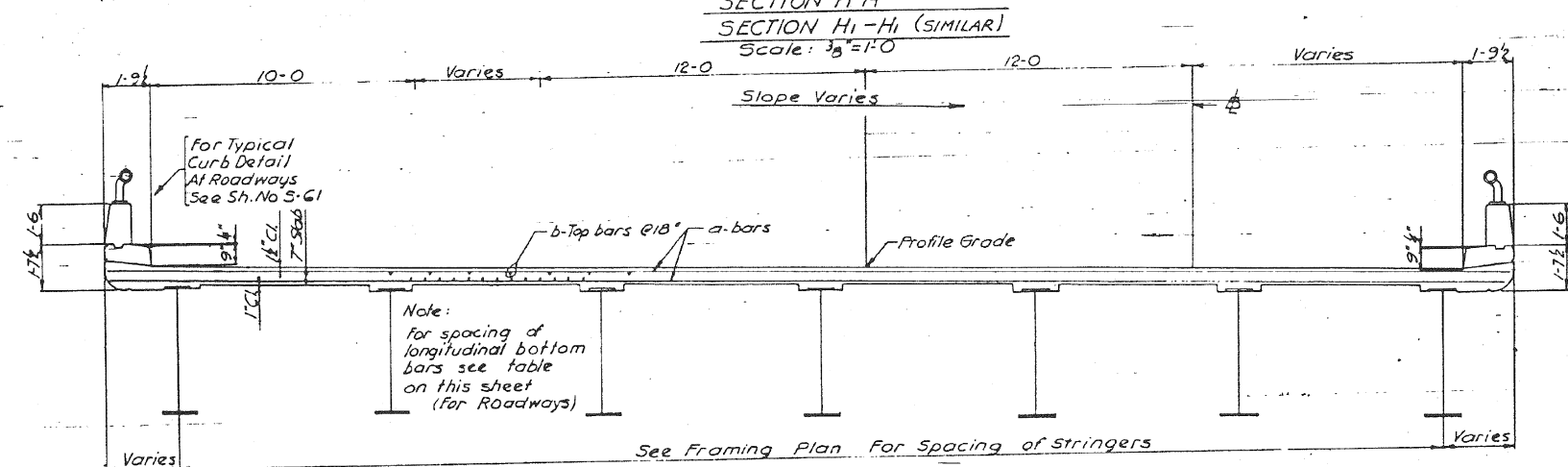
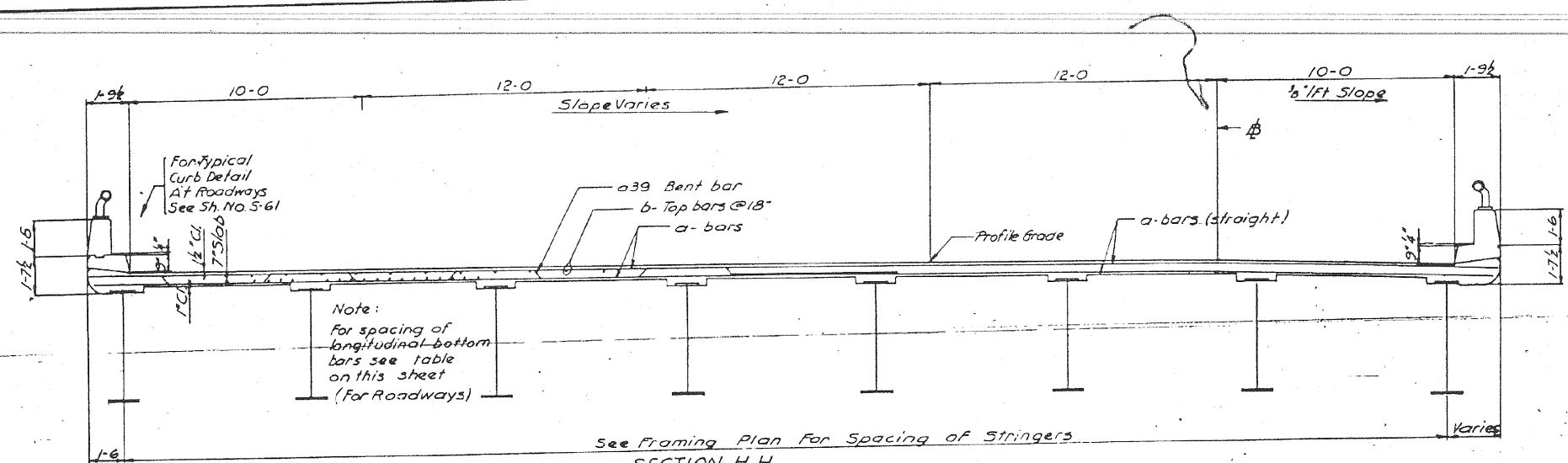
AS-BUILTS
SHEET NO. 95 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	412
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

258-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-85	SW-1818.3-2H	COOK	99	81
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT 1A-05-7(99)-289		



Beam Spacing	Number of longitudinal bottom bars	
	For Roadways	For Ramps
5'-0" to 6'-0"	7	—
6'-1" to 6'-6"	8	9
6'-7" to 7'-0"	9	10
7'-1" to 7'-6"	10	12
7'-7" to 8'-0"	12	14
8'-1" to 8'-6"	13	15
8'-7" to 9'-0"	15	—

SPACING OF LONGITUDINAL BOTTOM BARS

Note:
For Location of Sections
E-E & H-H See Sh. No. S-55
H-H & K-K See Sh. No. S-56
F-F See Sh. No. S-57
N-N See Sh. No. S-53

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
TYPICAL CROSS SECTIONS
SCALE: AS NOTED
SHEET NO. S-600F 99 SHEETS
DEC. 1984

DESIGNED BY: H.N.
DRAWN BY: H.S.
CHECKED BY: V.B.
APPROVED BY: K.A.



USER NAME = auyeungh
DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
PLOT SCALE =
PLOT DATE = 11/11/2014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 96 OF 174 SHEETS

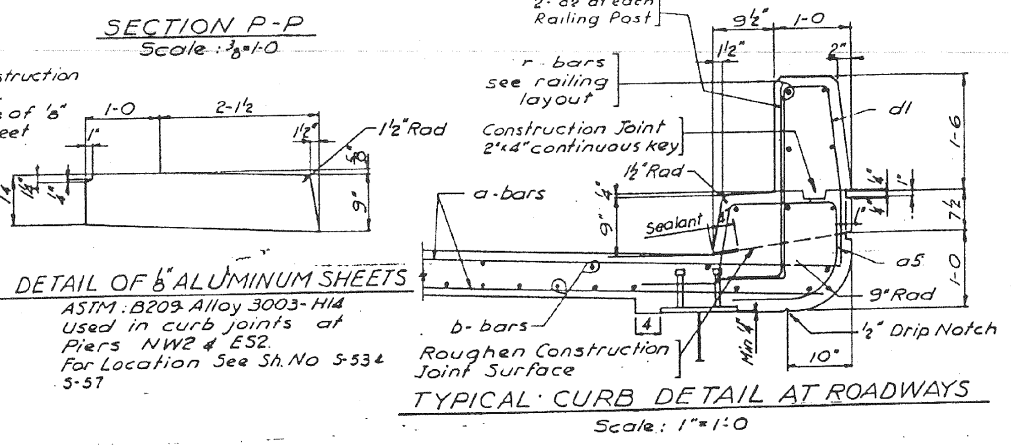
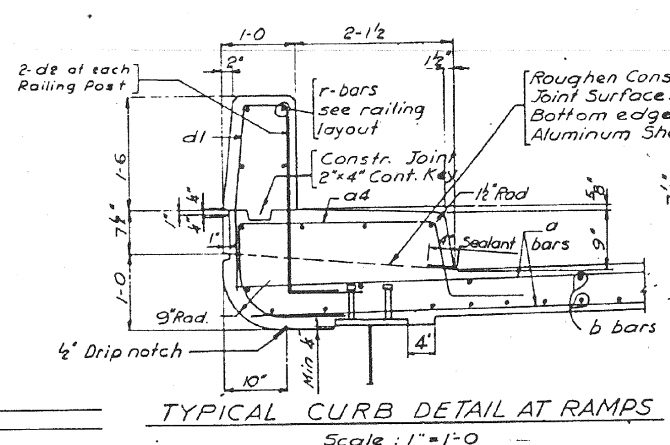
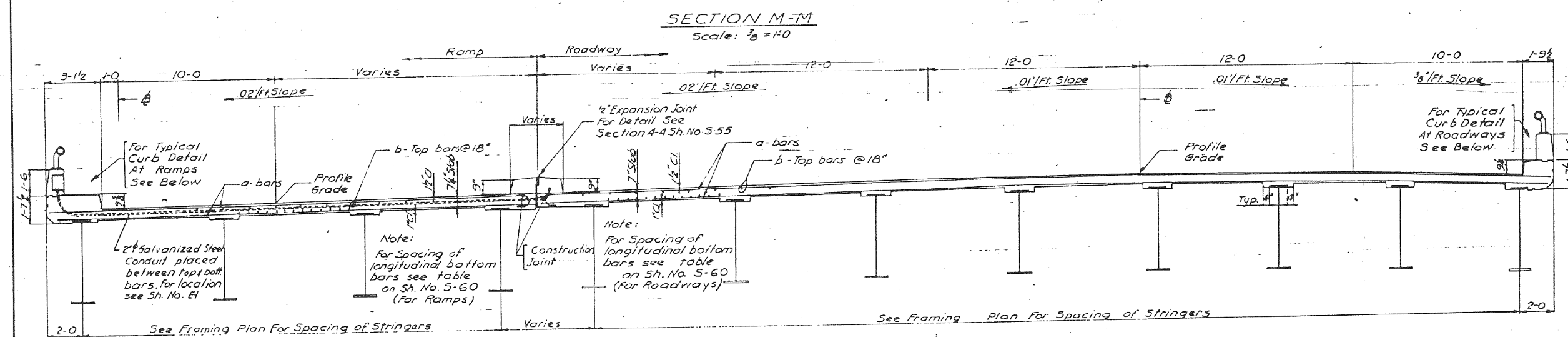
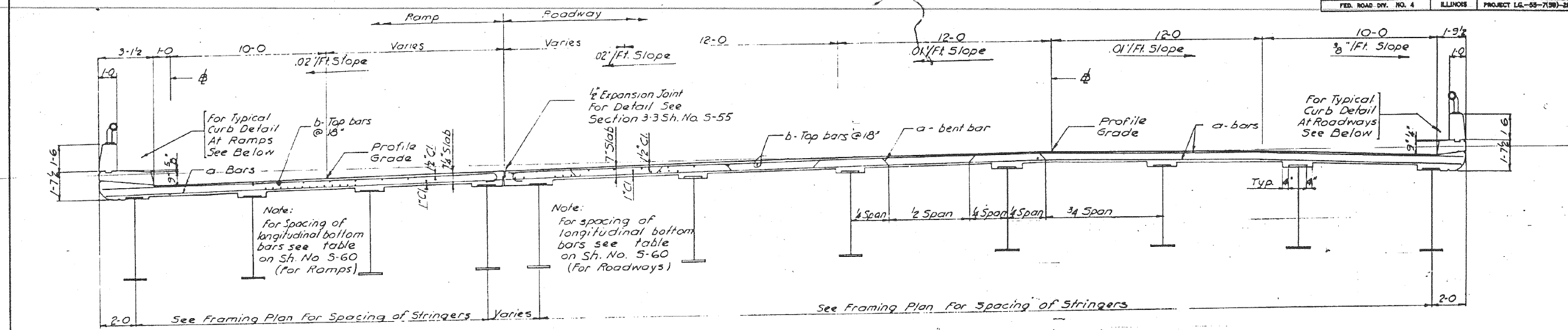
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	413
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

259-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	82
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT LG-55-7199-588		



Notes:
 For Reinforcement Bar Placement
 Notes See Sh. No. 5-52
 For Method of determining fillet heights "f"
 see "Tables of Elevations" Sh. No. 56 thru 57
 For Location of Sections M-M & P-P
 See Sh. No. 5-55
 All corners shall be chamfered 3/4" unless
 otherwise shown.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-2H
TYPICAL CROSS SECTIONS
 SCALE: AS NOTED DEC. 1984
 SHEET NO. 5-61 OF 99 SHEETS

DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

DETAIL OF 1/2" ALUMINUM SHEETS
 ASTM B209 Alloy 3003-H14
 Used in curb joints at
 Piers NW2 & E52.
 For Location See Sh. No. 5-53 &
 5-57

260-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

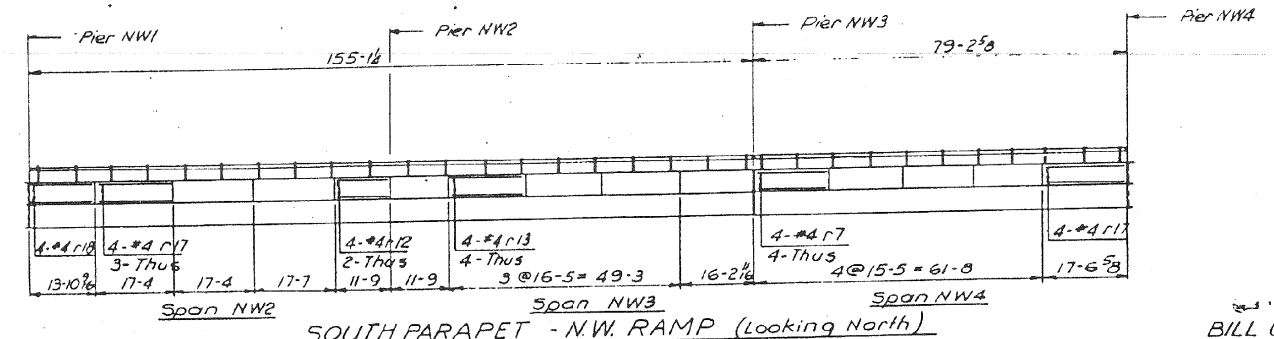
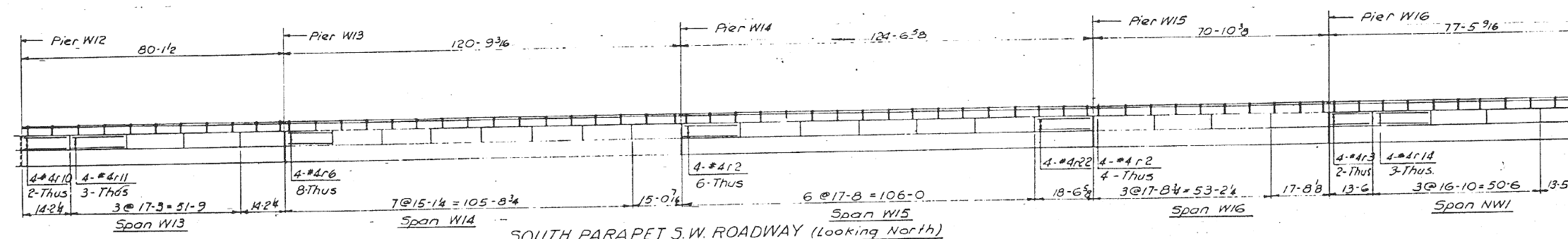
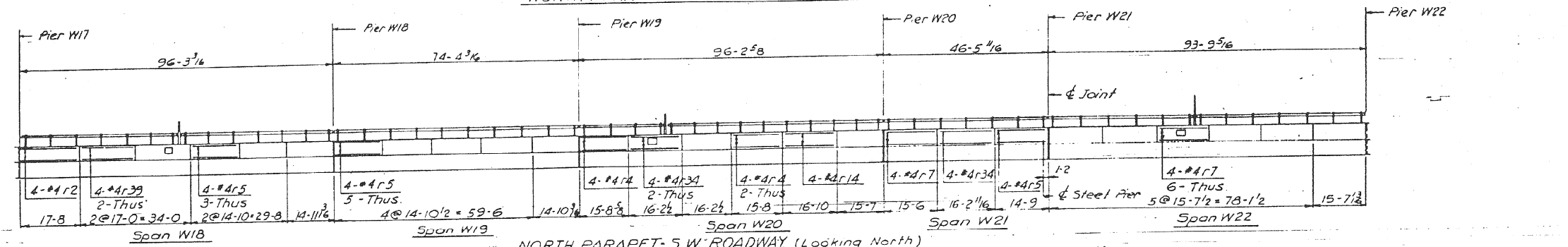
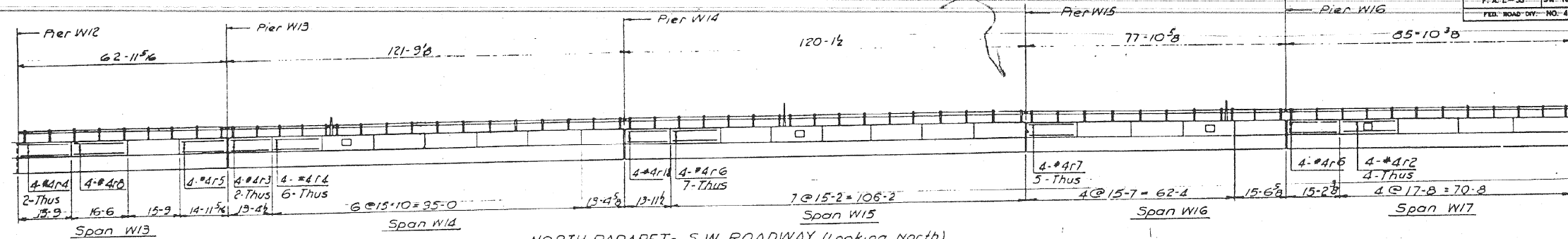
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 97 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	414
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	83
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT LG-55-7(50)-289		



Symbol □ Indicates Junction Box.

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs.	4,080

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE**

SECTION SW-1818.3-2H
PARAPET REINFORCEMENT DETAILS

SCALE: VERTICAL 1/8" = 1'-0"
HORIZONTAL 1/8" = 1'-0"
DEC. 1964
SHEET NO. 5-62 OF 99 SHEETS.

DESIGNED BY: H.N.
DRAWN BY: H.S.
CHECKED BY: Y.B.
APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AS-BUILTS

SHEET NO. 98 OF 174 SHEETS

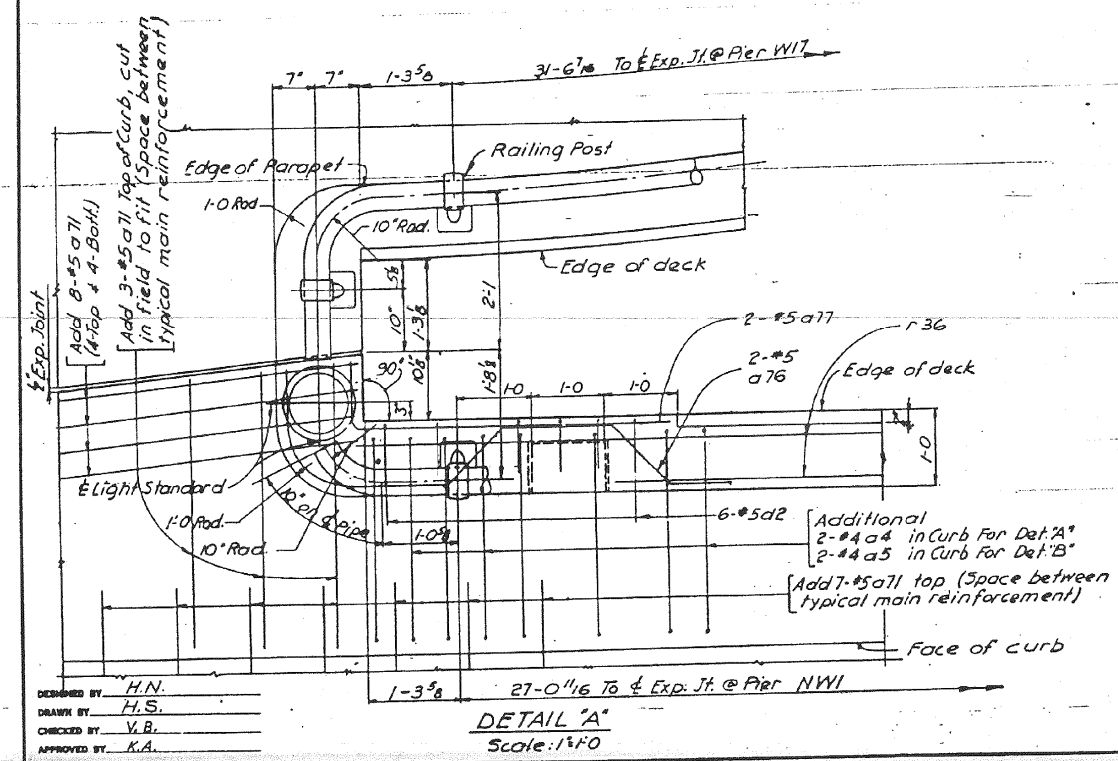
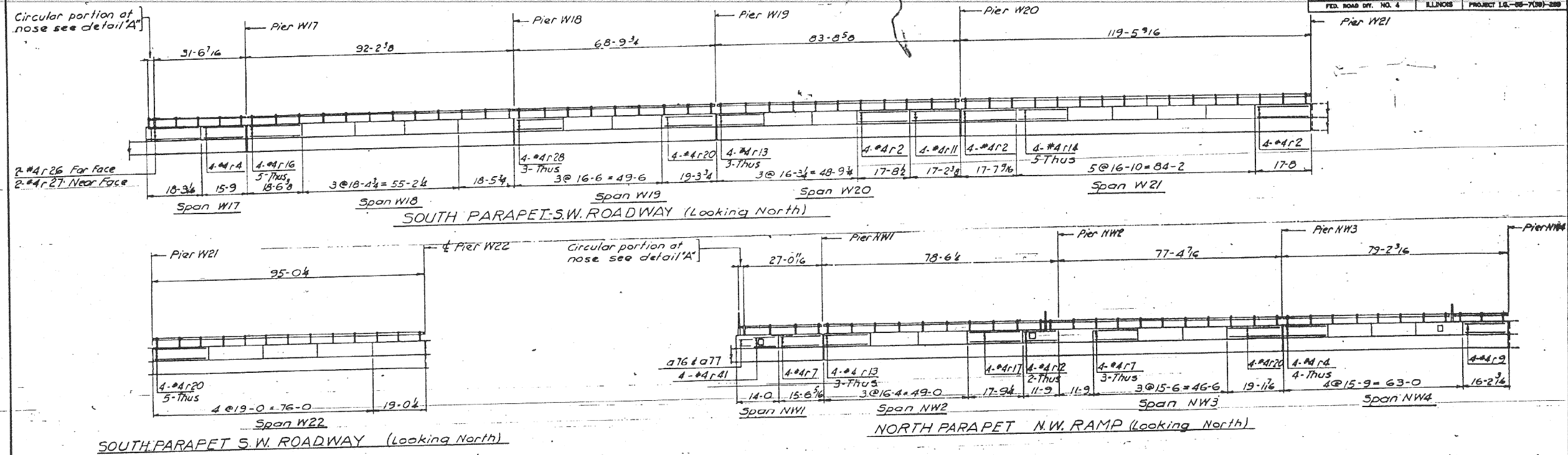
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	415
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

261-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.3-2H	COOK	99	54
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT 1A-55-700-280		



Symbol □ Indicates Junction Box.

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs.	2,340

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1818.3-2H
PARAPET REINFORCEMENT DETAILS
SCALE: VERTICAL 1/4"=1'-0" DEC. 1964
HORIZONTAL 1/4"=1'-0"
SHEET NO. 5-63 OF 99 SHEETS

DESIGNED BY: H.N.
DRAWN BY: H.S.
CHECKED BY: V.B.
APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

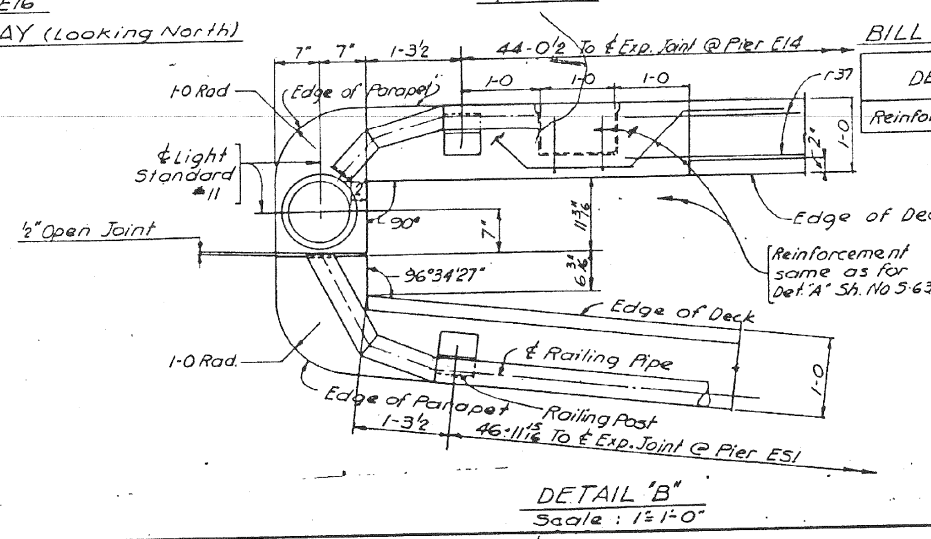
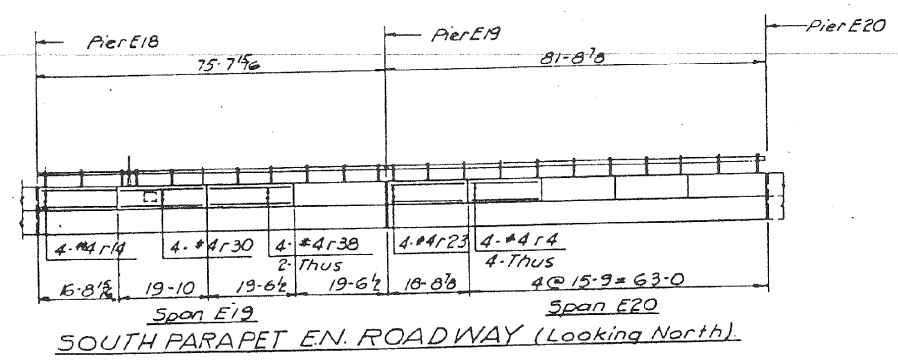
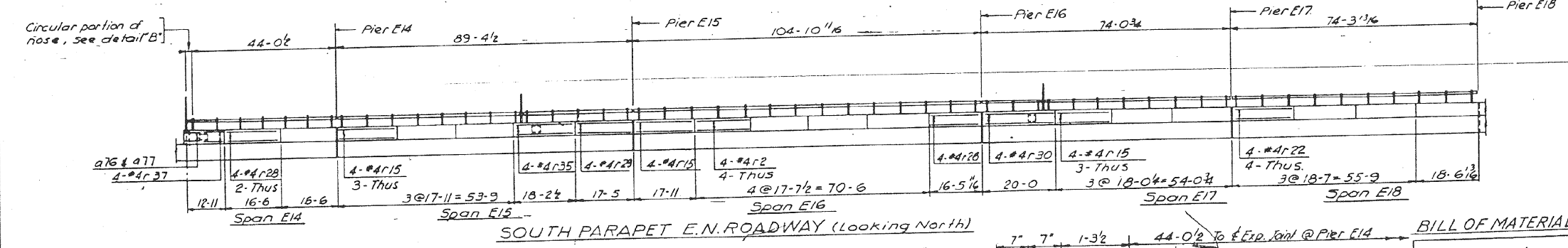
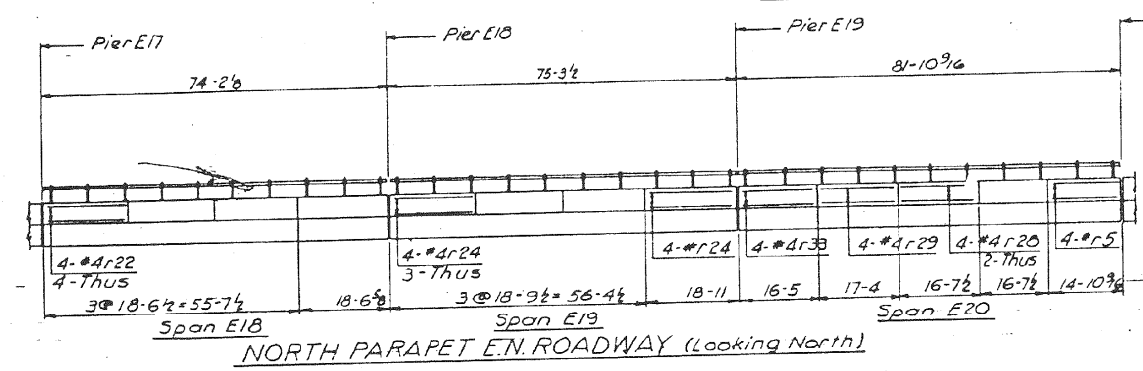
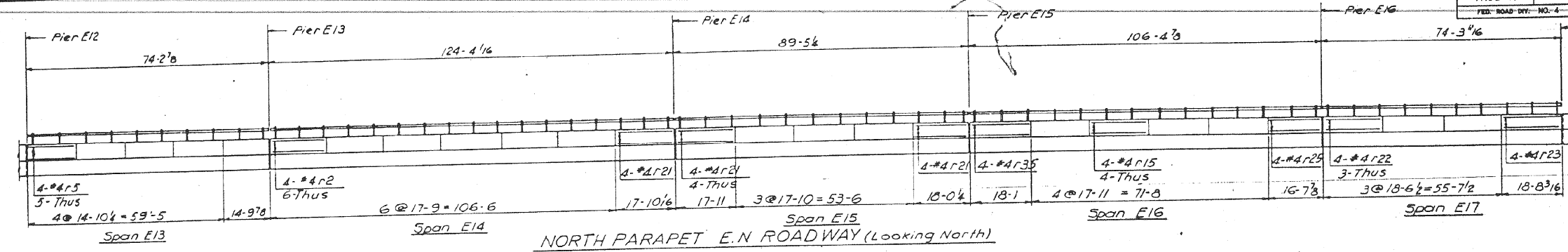
AS-BUILTS
SHEET NO. 99 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	416
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

262-60L70_As-Built.s.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-98	SW-18183-2H	COOK	99	85
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT 10-89-7(9)-889	



BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs.	4,330

Symbol □ Indicates Junction Box

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-18183-2H
PARAPET REINFORCEMENT DETAILS
SCALE: VERTICAL 1/4" = 1'-0" HORIZONTAL 1/8" = 1'-0"
DEC. 1964
SHEET NO. 5-64OF 99 SHEETS

DESIGNED BY H.N.
DRAWN BY H.S.
CHECKED BY V.B.
APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 100 OF 174 SHEETS

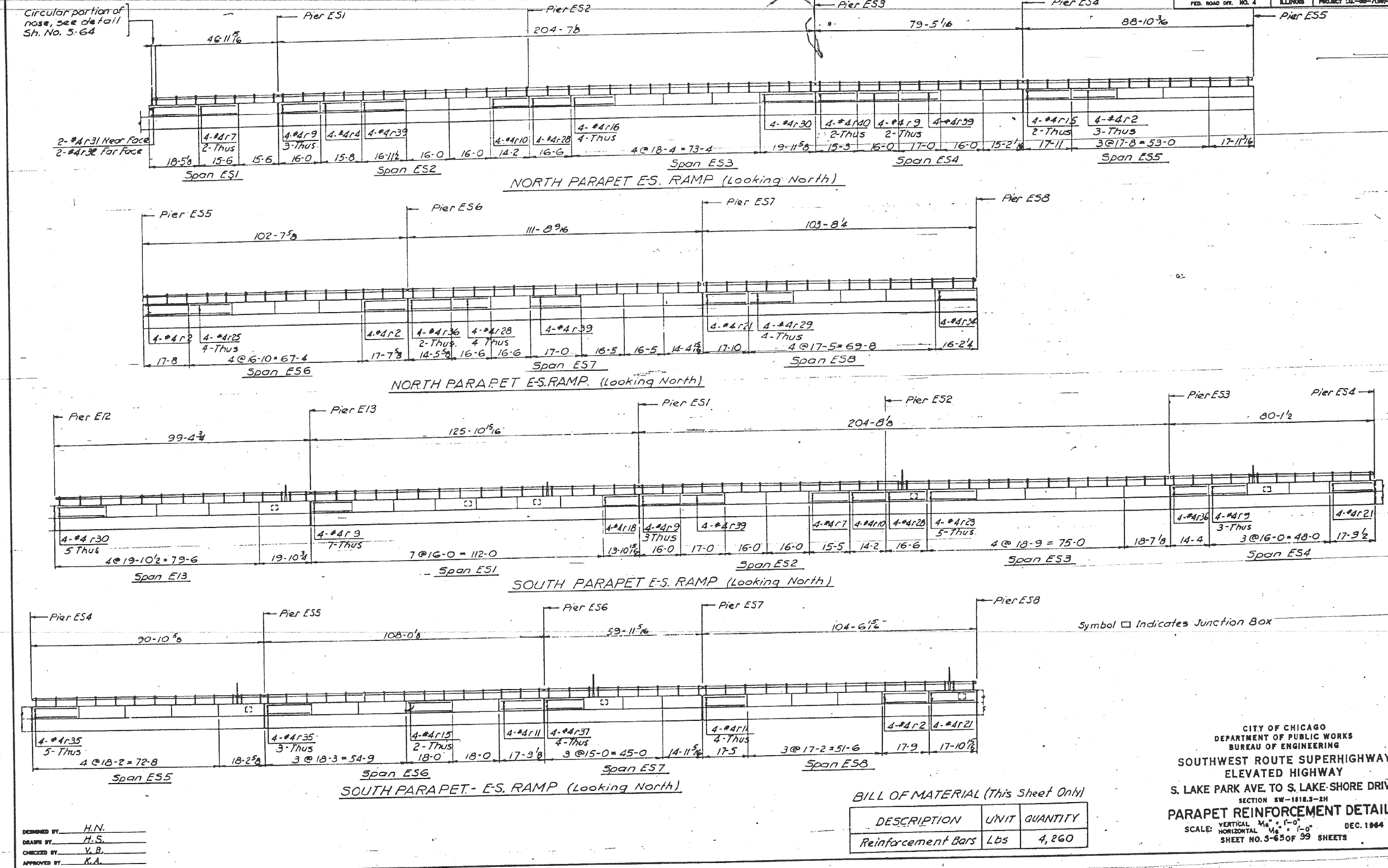
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	417
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

263-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-25	SW-18183-2H	COOK	99	66
FED. ROAD DIST. NO. 4	ILLINOIS	PROJECT LG.-08-7(188)-808		



DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs	4,260

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
 SECTION SW-18183-2H
PARAPET REINFORCEMENT DETAILS
 SCALE: VERTICAL $\frac{1}{8}'' = 1'-0''$
 HORIZONTAL $\frac{1}{8}'' = 1'-0''$
 DEC. 1964
 SHEET NO. 5-65 OF 99 SHEETS



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

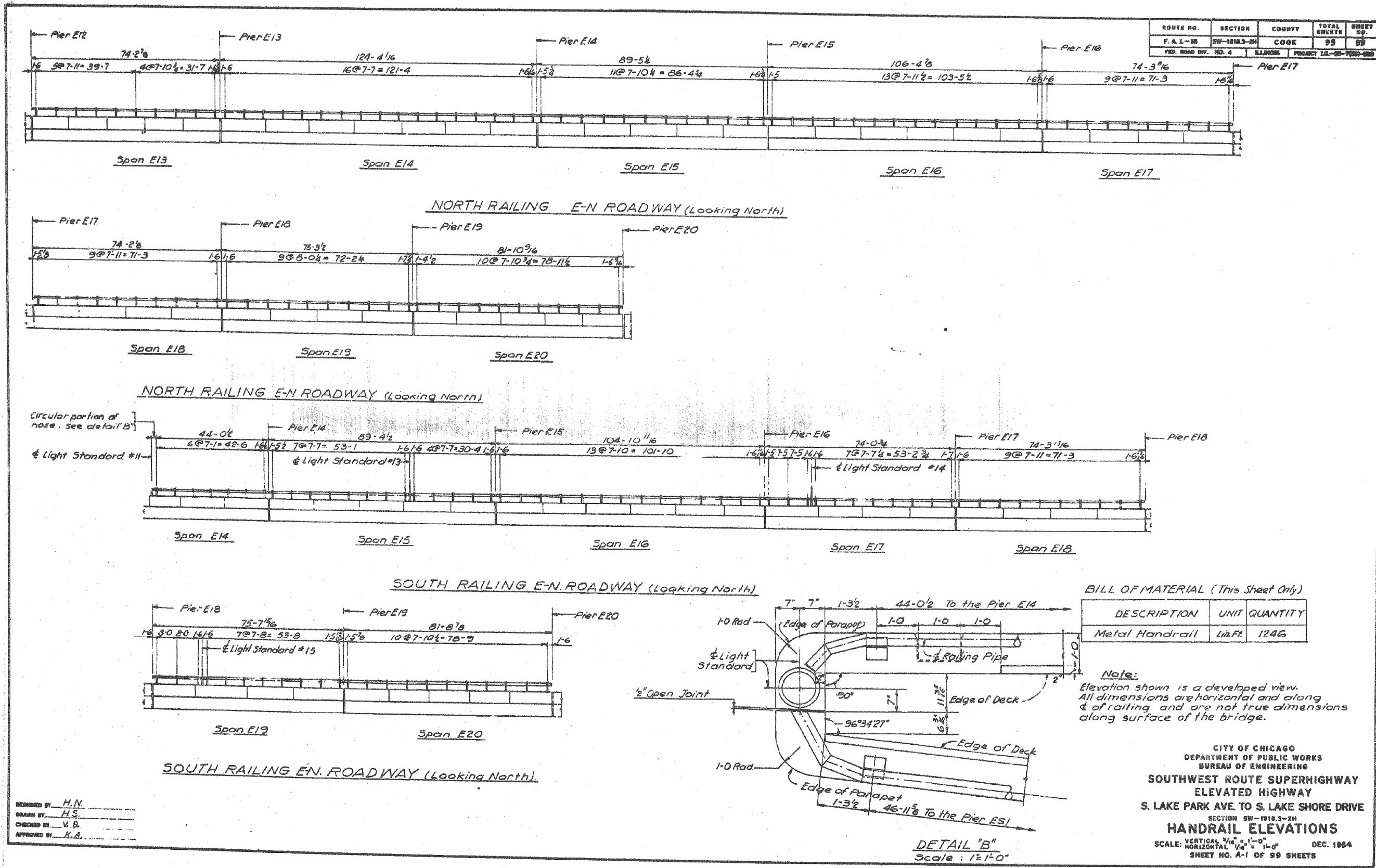
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 101 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	418
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

264-60L70_As-Builts.dgn

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. L. - 55	SW-1018.3-2H	COOK	99	89
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1A-08-7000-000		

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Metal Handrail	Lin. Ft.	1246

Note:
Elevation shown is a developed view.
All dimensions are horizontal and along
of railing and are not true dimensions
along surface of the bridge.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
SECTION SW-1018.3-2H
HANDRAIL ELEVATIONS
SCALE: VERTICAL 1/8" = 1'-0"
HORIZONTAL 1/8" = 1'-0" DEC. 1984
SHEET NO. A-1 OF 99 SHEETS



USER NAME = auyeungh	DESIGNED - H.N.	REVISED -
	CHECKED - H.S.	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

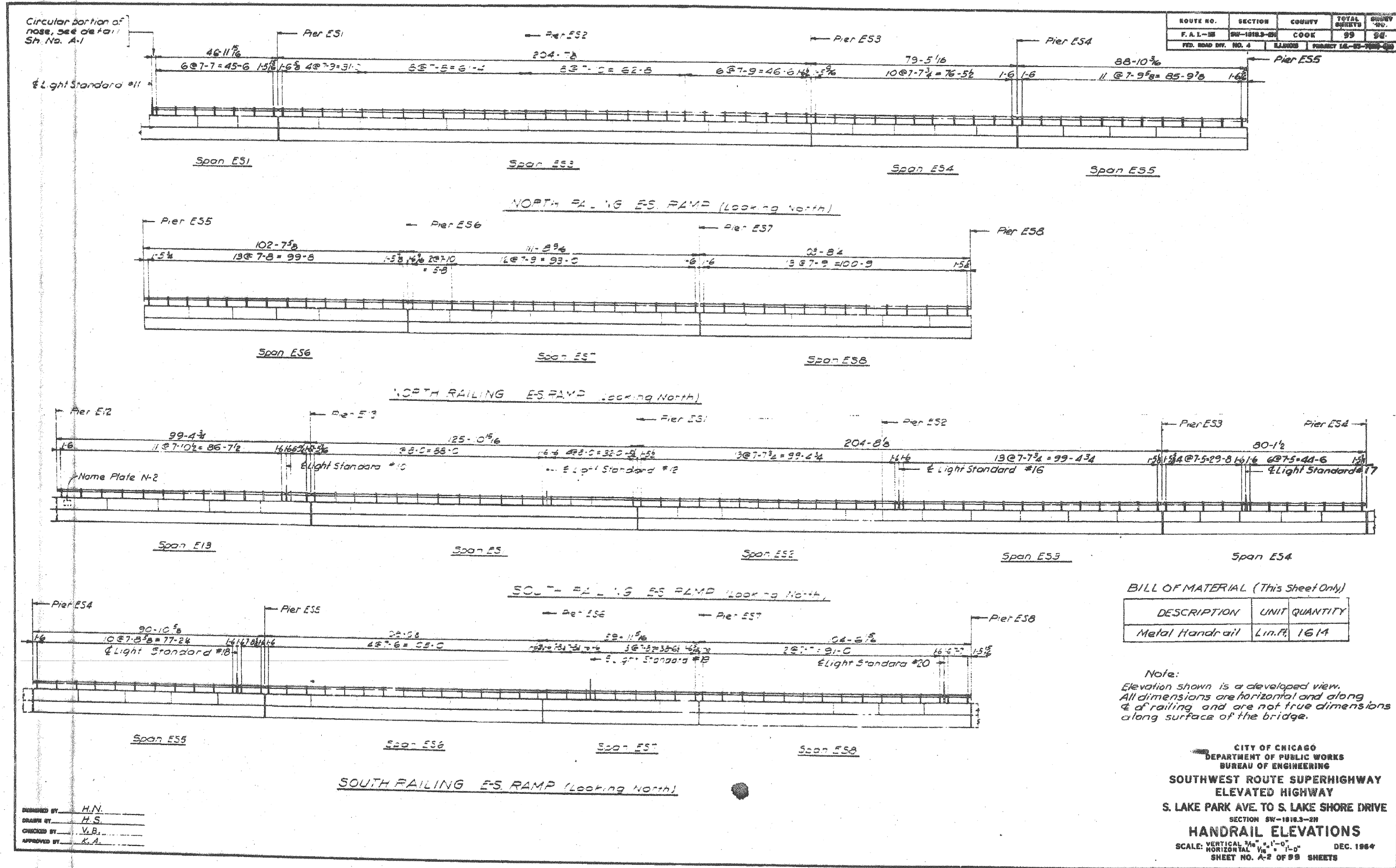
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 102 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	419
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

265-60L70_As-Builts.dgn

FOR INFORMATION ONLY



DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-2H
HANDRAIL ELEVATIONS
 SCALE: VERTICAL 3/8" = 1'-0"
 HORIZONTAL 1/8" = 1'-0"
 SHEET NO. A-2 OF 99 SHEETS
 DEC. 1964

266-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

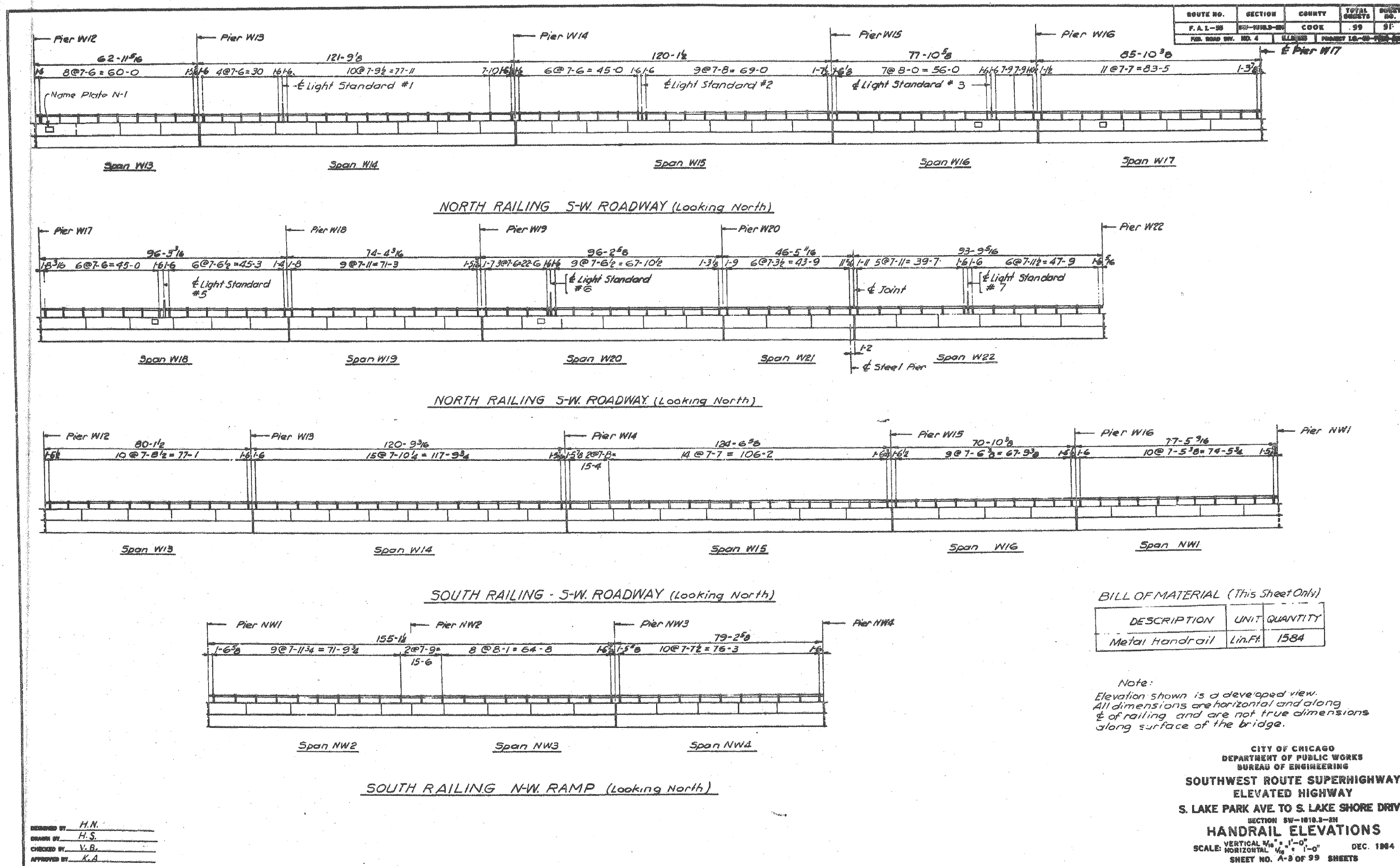
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS

SHEET NO. 103 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	420
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -	
	CHECKED -	REVISED -	
PLOT SCALE =	DRAWN - HAY	REVISED -	
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -	

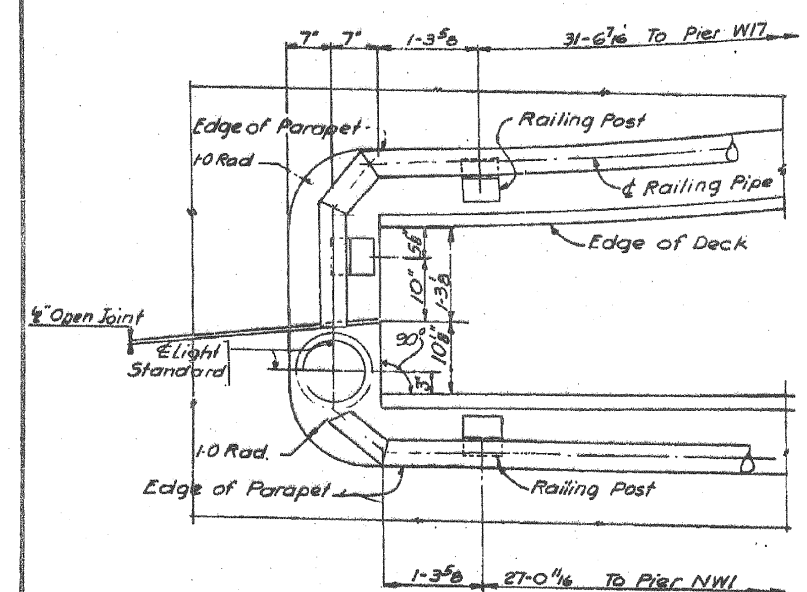
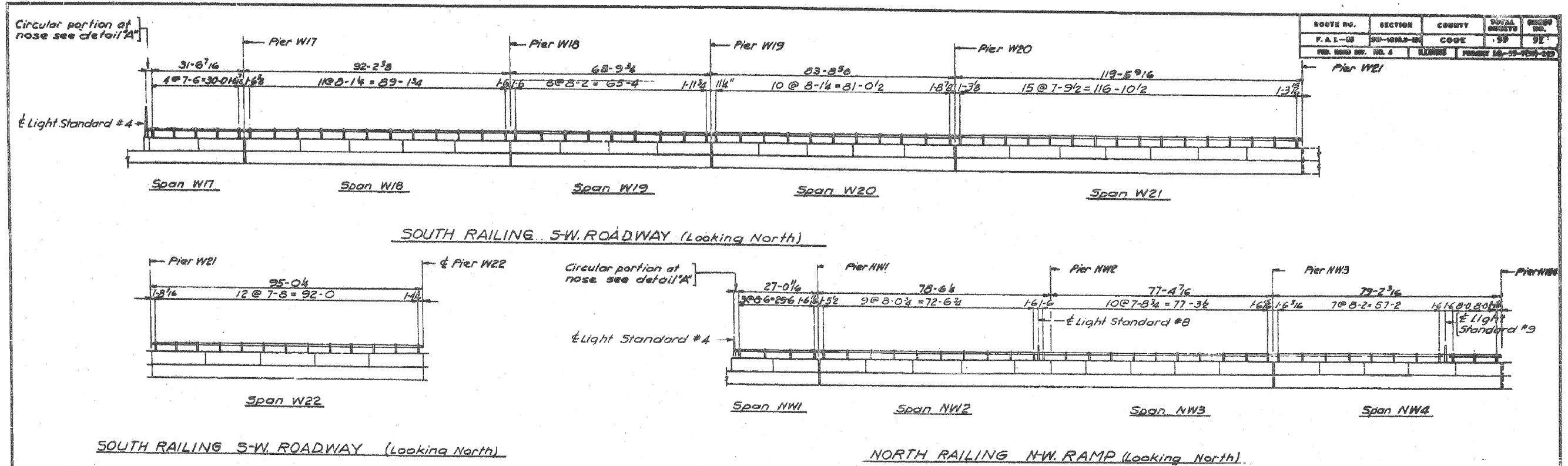
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 104 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	421
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



DESIGNED BY: H.N.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: _____

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Metal Handrail	Lin. Ft.	758

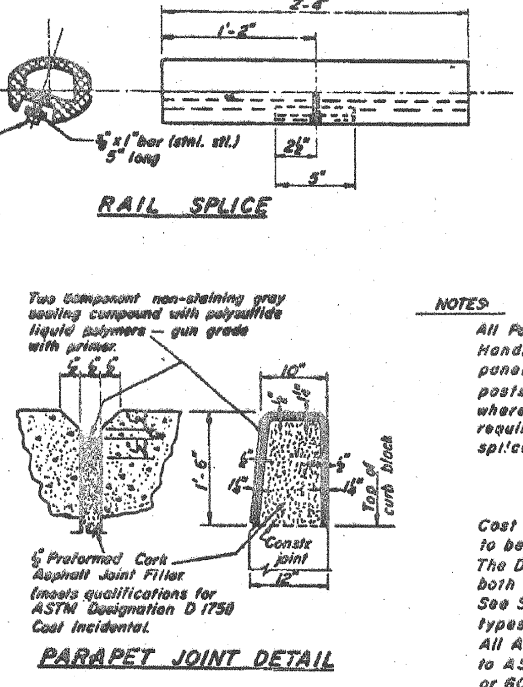
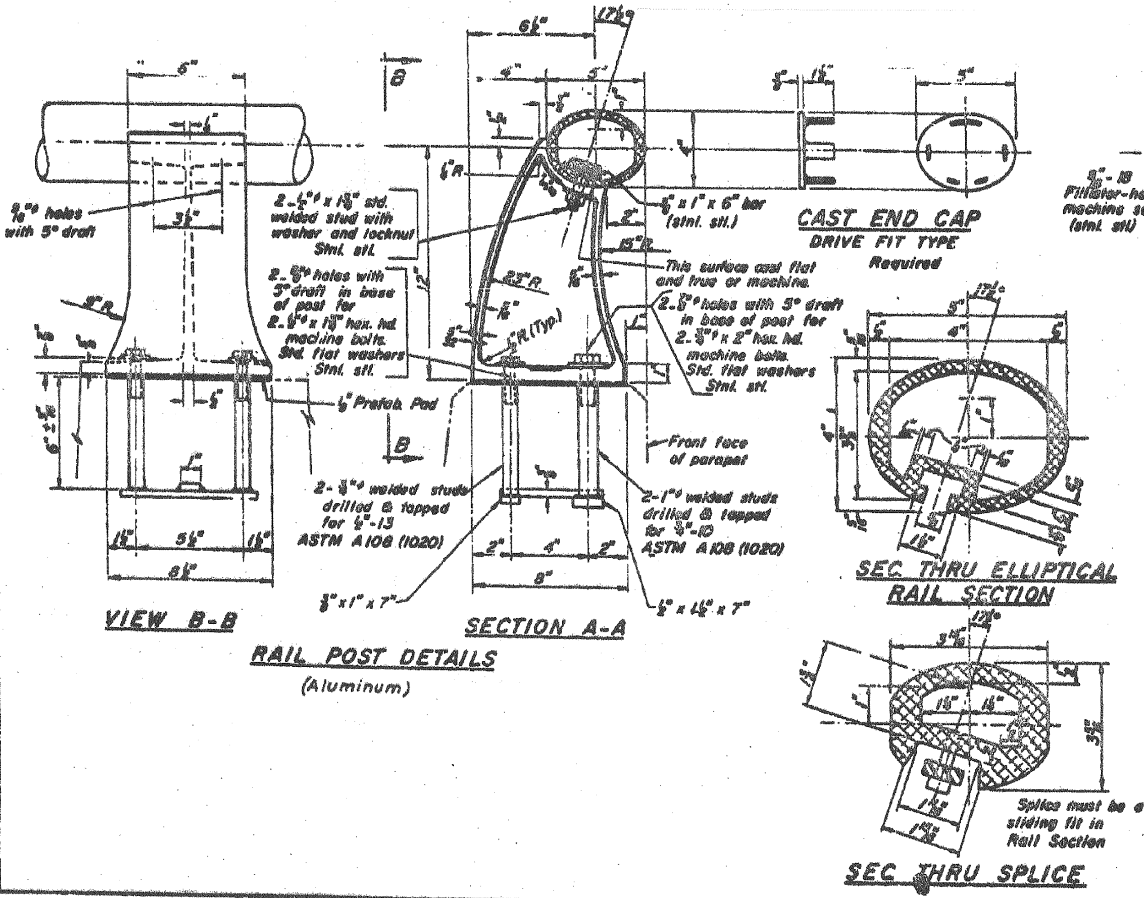
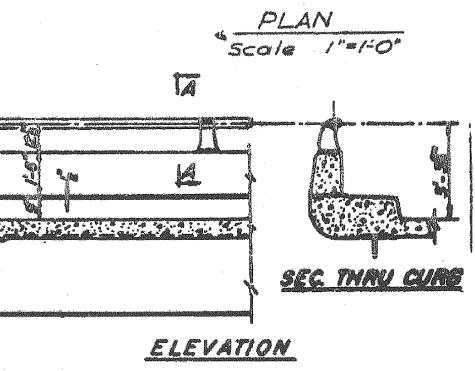
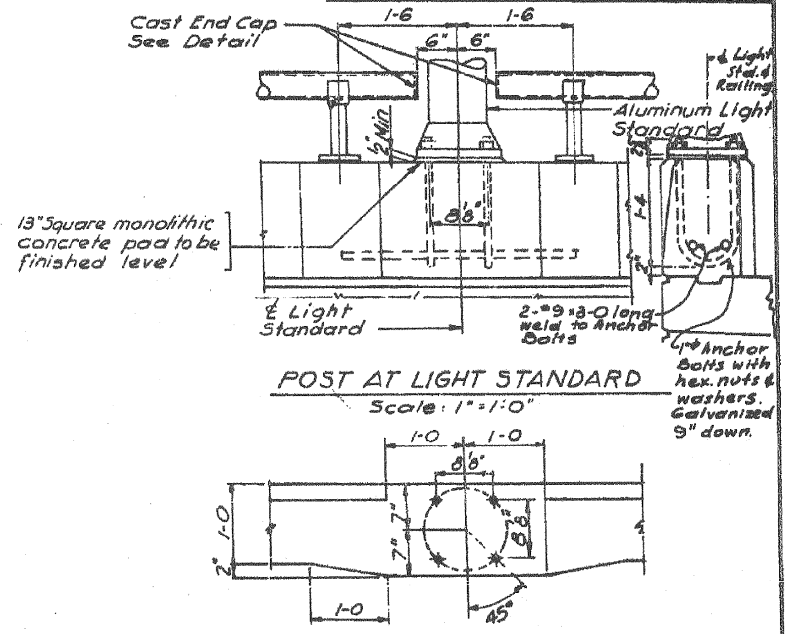
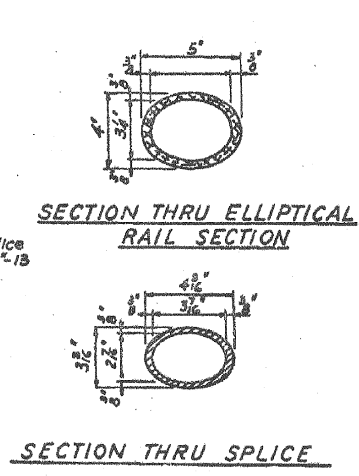
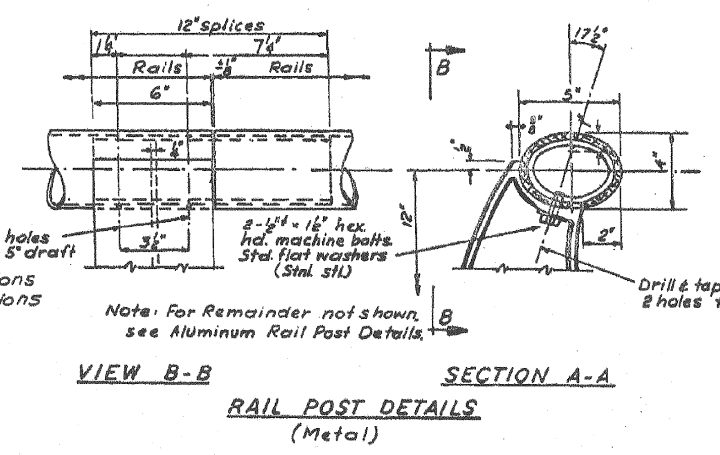
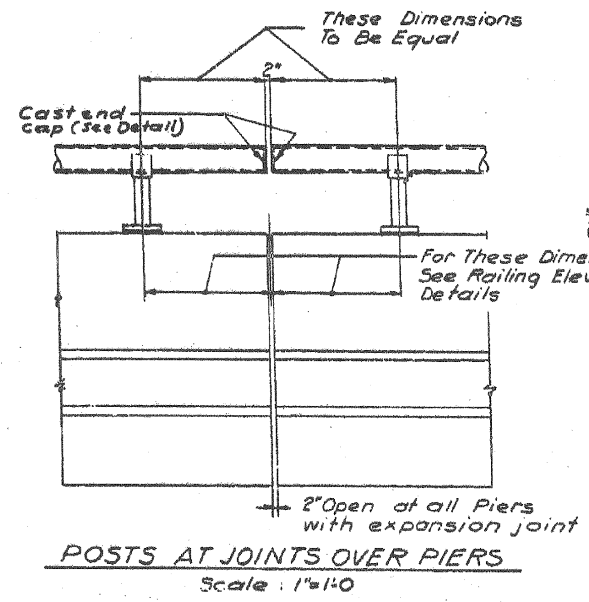
Note:
 Elevation shown is a developed view.
 All dimensions are horizontal and along
 centerline of railing, and are not true dimensions
 along surface of the bridge.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE TO S. LAKE SHORE DRIVE
 SECTION SW-1818.3-2H
HANDRAIL ELEVATIONS
 VERTICAL SCALE: 1/4" = 1'-0"
 HORIZONTAL SCALE: 1/16" = 1'-0"
 DEC. 1964
 SHEET NO. A-4 OF 99 SHEETS

268-60L70_As-Built.s.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1618.3-2H	COOK	99	93
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 10-00-7193-200		



NOTES

All Posts shall be normal to parapet. Handrail shall extend a minimum of 2 panel lengths (attached to minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

Cost of rail splice, end caps and hardware to be incidental to the pay item for Handrail. The Details shown on this sheet apply to both Aluminum Handrail and Metal Handrail. See Special Provisions for these alternate types.

All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-235 alloy 6061-T6, or 6062-T6.

See Special Provisions for following Material Specifications:
Cast Aluminum Alloy Bridge Post-Alloy 344-T4
Stainless Steel Welded Stud Bolts, Washers and Locknuts.

BILL OF MATERIAL

Item	Unit	Quantity
HANDRAIL	Lin. Ft.	4293

CITY OF CHICAGO
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SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE PARK AVE. TO S. LAKE SHORE DRIVE
SECTION SW-1618.3-2H
HANDRAIL DETAILS
SCALE: AS NOTED
SHEET NO. A-5 OF 99 SHEETS
DEC. 1984

269-60L70_As-Built.s.dgn



USER NAME =	ayueungh	DESIGNED -		REVISED -	
CHECKED -		DRAWN -	HAY	REVISED -	
PLOT SCALE =		CHECKED -	ATB	REVISED -	
PLOT DATE =	11/11/2014				

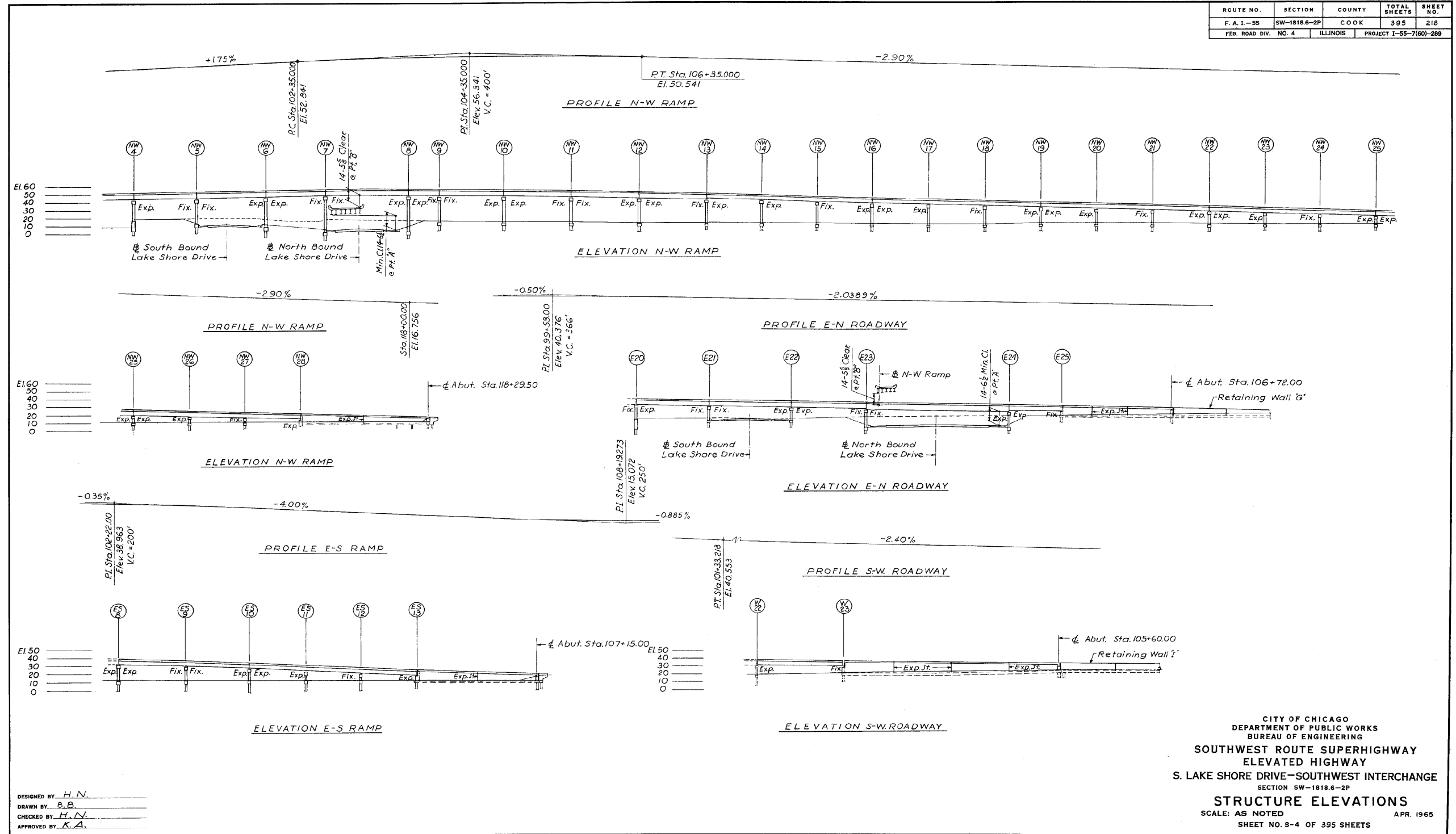
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 106 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	423
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	218
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



DESIGNED BY H.N.
 DRAWN BY B.B.
 CHECKED BY H.N.
 APPROVED BY K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
STRUCTURE ELEVATIONS
 SCALE: AS NOTED APR. 1965
 SHEET NO. S-4 OF 395 SHEETS

1616290218

301-60L70_As-Built.s.dgn



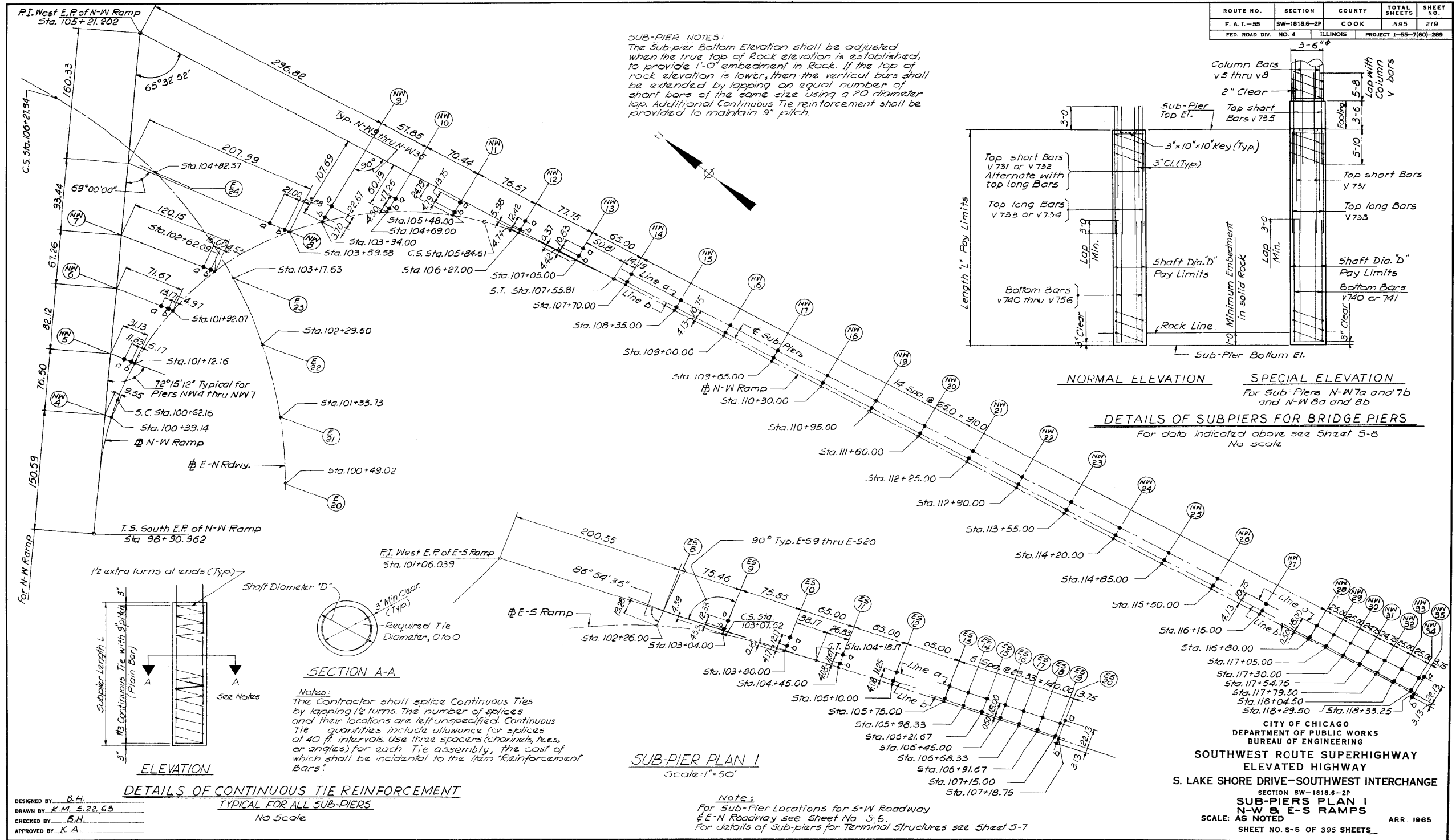
USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 107 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	424
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



1616290219

302-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
DRAWN BY K.M. S.22.63	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 108 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	425
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I-55	SW-1818.6-2P	COOK	395	220
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	I-55-7(601)-289	

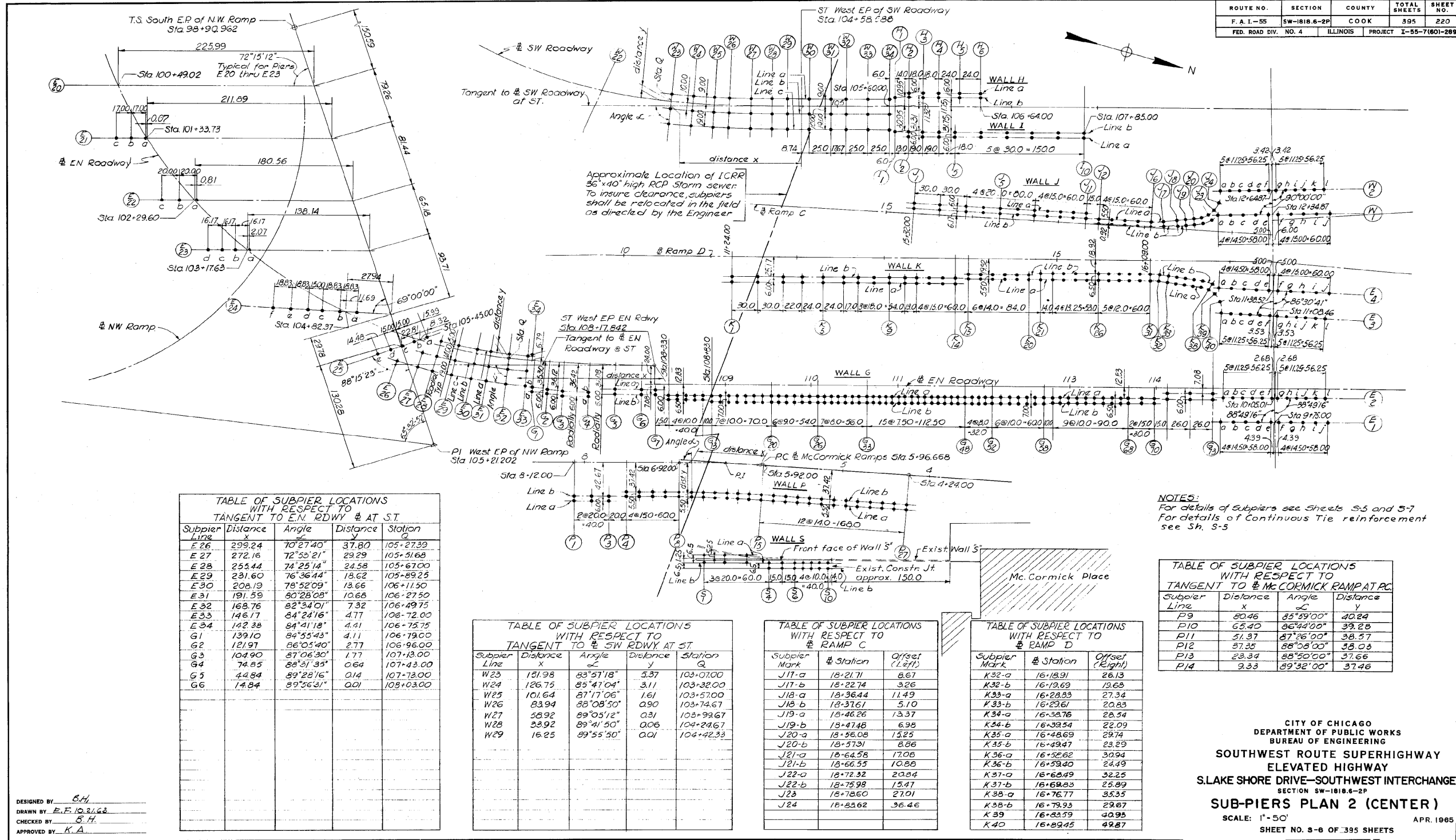


TABLE OF SUBPIER LOCATIONS WITH RESPECT TO TANGENT TO EN RDWY @ AT ST

Subpier Line	Distance X	Angle	Distance Y	Station
E 26	299.24	70°27'40"	37.80	105+27.39
E 27	272.16	72°53'21"	29.29	105+51.68
E 28	253.44	74°25'14"	24.58	105+67.00
E 29	231.60	76°36'44"	18.62	105+89.25
E 30	208.19	78°52'09"	13.66	106+115.00
E 31	191.59	80°28'08"	10.68	106+27.50
E 32	168.76	82°34'01"	7.32	106+49.75
E 33	146.17	84°24'16"	4.77	106+72.00
E 34	142.38	84°41'18"	4.41	106+75.75
G 1	139.10	84°55'43"	4.11	106+79.00
G 2	121.97	86°05'40"	2.77	106+96.00
G 3	104.90	87°06'30"	1.77	107+13.00
G 4	74.85	88°31'35"	0.64	107+43.00
G 5	44.84	89°28'16"	0.14	107+73.00
G 6	14.84	89°56'31"	0.01	108+03.00

TABLE OF SUBPIER LOCATIONS WITH RESPECT TO TANGENT TO SW RDWY AT ST

Subpier Line	Distance X	Angle	Distance Y	Station
W 23	151.98	83°57'18"	5.37	103+07.00
W 24	126.75	85°47'04"	3.11	103+32.00
W 25	101.64	87°17'06"	1.61	103+57.00
W 26	83.94	88°08'50"	0.90	103+74.67
W 27	56.92	89°05'12"	0.31	103+99.67
W 28	33.92	89°41'50"	0.06	104+24.67
W 29	16.25	89°55'50"	0.01	104+42.33

TABLE OF SUBPIER LOCATIONS WITH RESPECT TO RAMP C

Subpier Mark	# Station	Offset (Left)
J17-a	18+21.71	8.67
J17-b	18+22.74	3.26
J18-a	18+36.44	11.49
J18-b	18+37.61	5.10
J19-a	18+46.26	13.37
J19-b	18+47.48	6.98
J20-a	18+56.08	15.25
J20-b	18+57.31	8.86
J21-a	18+64.58	17.08
J21-b	18+66.55	10.88
J22-a	18+72.32	20.84
J22-b	18+75.98	15.47
J23	18+78.60	27.01
J24	18+83.62	36.46

TABLE OF SUBPIER LOCATIONS WITH RESPECT TO RAMP D

Subpier Mark	# Station	Offset (Right)
K32-a	16+18.91	26.13
K32-b	16+19.69	19.68
K33-a	16+28.83	27.34
K33-b	16+29.61	20.83
K34-a	16+38.76	28.54
K34-b	16+39.54	22.09
K35-a	16+48.69	29.74
K35-b	16+49.47	23.29
K36-a	16+52.62	30.94
K36-b	16+53.40	24.49
K37-a	16+60.49	32.25
K37-b	16+61.23	25.99
K38-a	16+76.77	35.35
K38-b	16+79.93	29.87
K39	16+83.59	40.95
K40	16+89.45	49.87

NOTES:
 For details of Subpiers see Sheets S-5 and S-7
 For details of Continuous Tie reinforcement see Sh. S-5

TABLE OF SUBPIER LOCATIONS WITH RESPECT TO TANGENT TO MCCORMICK RAMP AT PC

Subpier Line	Distance X	Angle	Distance Y
P9	50.46	85°59'00"	40.24
P10	65.40	86°44'00"	39.28
P11	51.37	87°26'00"	38.57
P12	57.35	88°08'00"	38.03
P13	23.34	88°50'00"	37.66
P14	9.33	89°32'00"	37.46

CITY OF CHICAGO
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 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S.LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
SUB-PIERS PLAN 2 (CENTER)
 SCALE: 1"=50'
 APR. 1965
 SHEET NO. 8-8 OF 395 SHEETS

1616290220

DESIGNED BY: *B.H.*
 DRAWN BY: *E.F. 10/31/62*
 CHECKED BY: *S.H.*
 APPROVED BY: *K.A.*

303-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 109 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	426
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I-55	SW-1818.6-2P	COOK	395	221
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	I-55-7(60)-289	

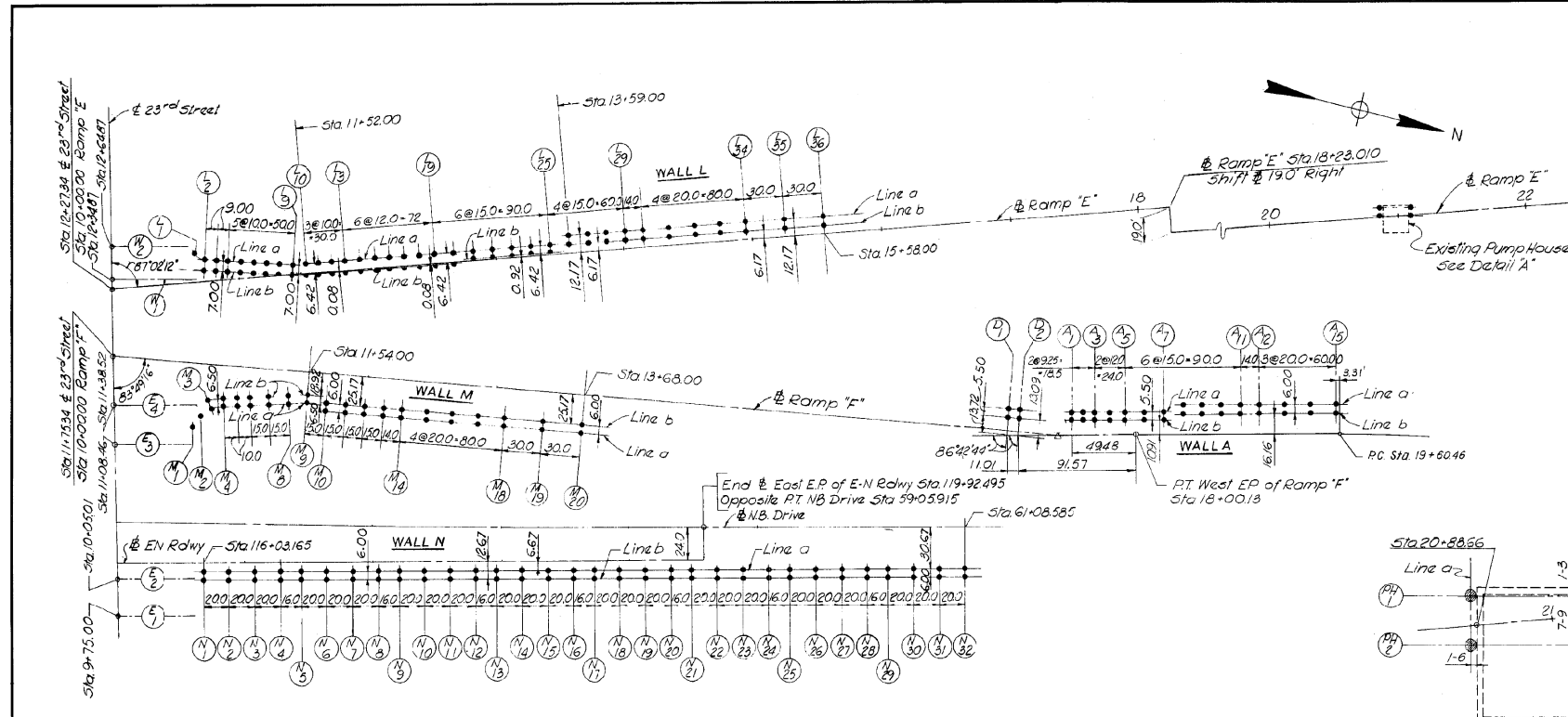
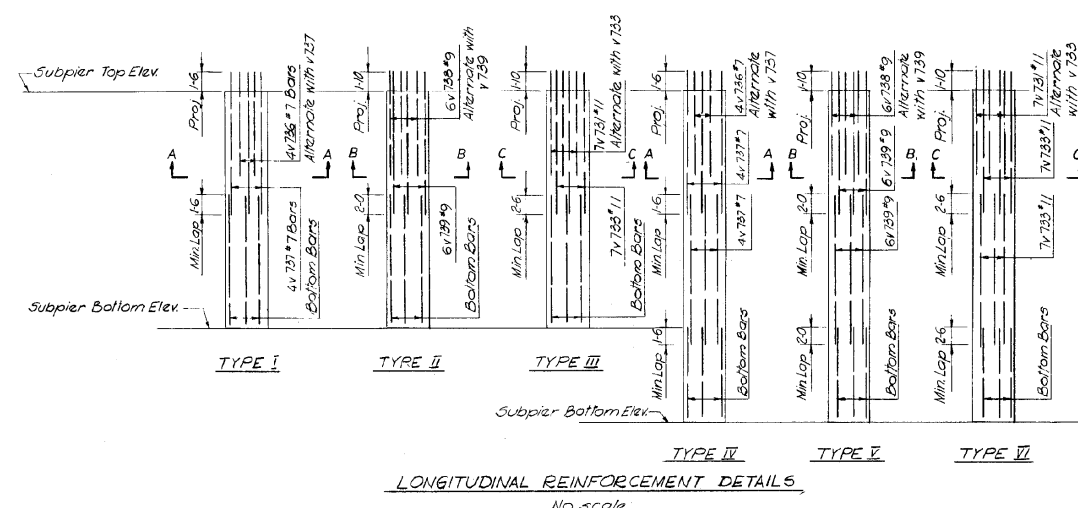
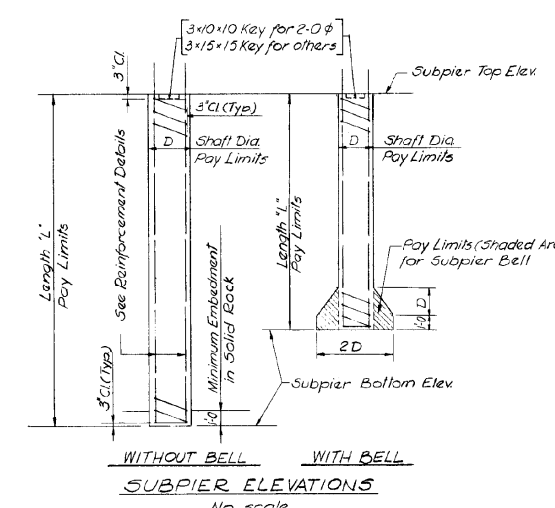
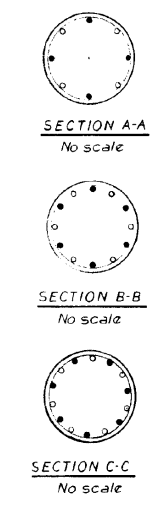
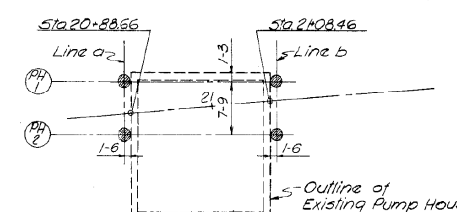


TABLE OF SUBPIER LOCATIONS WITH RESPECT TO RAMP "E"

Subpier Mark	Station	Offset (Left)
L1	10+66.11	19.43
L2a	10+74.64	15.55
L2b	10+73.74	8.60
L3a	10+83.57	14.39
L3b	10+82.67	7.45
L4a	10+92.49	13.23
L4b	10+91.59	6.29
L5a	11+02.41	11.94
L5b	11+01.51	5.00
L6a	11+12.33	10.66
L6b	11+11.43	3.72
L7a	11+22.24	9.37
L7b	11+21.34	2.43
L8a	11+32.16	8.08
L8b	11+31.26	1.14
L9a	11+42.08	6.80
L9b	11+41.18	-0.14

TABLE OF SUBPIER LOCATIONS WITH RESPECT TO RAMP "F"

Subpier Mark	Station	Offset (Right)
M1	10+67.56	49.25
M2	10+73.71	39.46
M3a	10+81.76	34.00
M3b	10+79.41	27.94
M4a	10+89.45	32.32
M4b	10+88.10	25.86
M5a	10+99.38	31.17
M5b	10+98.68	24.71
M6a	11+09.31	30.02
M6b	11+08.57	23.56
M7a	11+24.27	28.29
M7b	11+23.47	21.83
M8a	11+39.11	26.56
M8b	11+38.37	20.11



DETAILS OF SUBPIERS FOR RETAINING WALLS, TERMINAL STRUCTURES, AND 23RD STREET BRIDGES
For data indicated above see Sheets 5-8, 5-9, 5-10

Note: For details of Continuous Tie reinf. see Sheet 5-5

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S.LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
SUB-PIERS PLAN 3 (NORTH)
SCALE: AS NOTED 1963
SHEET NO. 5-7 OF 395 SHEETS

1616290221

DESIGNED BY: B.H.
DRAWN BY: F.F.10.15.63
CHECKED BY: B.H.
APPROVED BY: K.A.



USER NAME = auyeungh
DESIGNED -
CHECKED -
PLOT SCALE =
DRAWN - HAY
CHECKED - ATB
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 110 OF 174 SHEETS

F. A. I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	427
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

304-60L70...As-Built.s.dgn

FOR INFORMATION ONLY

SUB-PIERS SCHEDULE-REINFORCEMENT BAR LIST SUB-PIERS WITHOUT BELLS

FOR RETAINING WALLS, TERMINAL STRUCTURES AND 23RD STREET BRIDGES

Subpier Mark	Dia. D	Top Elev.	Bott. Elev.	Length L	Reinforcement				Subpier Mark	Dia. D	Top Elev.	Bott. Elev.	Length L	Reinforcement				Subpier Mark	Dia. D	Top Elev.	Bott. Elev.	Length L	Reinforcement							
					Type	Bottom Bars	Bottom Bars	Bottom Bars						Type	Bottom Bars	Bottom Bars	Bottom Bars						Type	Bottom Bars	Bottom Bars	Bottom Bars				
NW23a#b	2-0	77	-61.0	68.7x16	I	764	16x4+64	7	32.0	W34c	2-6	209	-72.0	92.9	V	784	6	9	12.0	J16a	2-6	331	-71.0	104.1	V	738	6	9	30.0	Thru ES13a#b Thru ES20a#b E25a E25b E25c E25d E25e E25f E25g E25h E25i E25j E25k E25l E25m E25n E25o E25p E25q E25r E25s E25t E25u E25v E25w E25x E25y E25z E26a E26b E26c E26d E26e E26f E26g E26h E26i E26j E26k E26l E26m E26n E26o E26p E26q E26r E26s E26t E26u E26v E26w E26x E26y E26z E27a E27b E27c E27d E27e E27f E27g E27h E27i E27j E27k E27l E27m E27n E27o E27p E27q E27r E27s E27t E27u E27v E27w E27x E27y E27z E28a E28b E28c E28d E28e E28f E28g E28h E28i E28j E28k E28l E28m E28n E28o E28p E28q E28r E28s E28t E28u E28v E28w E28x E28y E28z E29a E29b E29c E29d E29e E29f E29g E29h E29i E29j E29k E29l E29m E29n E29o E29p E29q E29r E29s E29t E29u E29v E29w E29x E29y E29z E30a E30b E30c E30d E30e E30f E30g E30h E30i E30j E30k E30l E30m E30n E30o E30p E30q E30r E30s E30t E30u E30v E30w E30x E30y E30z E31a E31b E31c E31d E31e E31f E31g E31h E31i E31j E31k E31l E31m E31n E31o E31p E31q E31r E31s E31t E31u E31v E31w E31x E31y E31z E32a E32b E32c E32d E32e E32f E32g E32h E32i E32j E32k E32l E32m E32n E32o E32p E32q E32r E32s E32t E32u E32v E32w E32x E32y E32z E33a E33b E33c E33d E33e E33f E33g E33h E33i E33j E33k E33l E33m E33n E33o E33p E33q E33r E33s E33t E33u E33v E33w E33x E33y E33z E34a E34b E34c E34d E34e E34f E34g E34h E34i E34j E34k E34l E34m E34n E34o E34p E34q E34r E34s E34t E34u E34v E34w E34x E34y E34z E35a E35b E35c E35d E35e E35f E35g E35h E35i E35j E35k E35l E35m E35n E35o E35p E35q E35r E35s E35t E35u E35v E35w E35x E35y E35z E36a E36b E36c E36d E36e E36f E36g E36h E36i E36j E36k E36l E36m E36n E36o E36p E36q E36r E36s E36t E36u E36v E36w E36x E36y E36z E37a E37b E37c E37d E37e E37f E37g E37h E37i E37j E37k E37l E37m E37n E37o E37p E37q E37r E37s E37t E37u E37v E37w E37x E37y E37z E38a E38b E38c E38d E38e E38f E38g E38h E38i E38j E38k E38l E38m E38n E38o E38p E38q E38r E38s E38t E38u E38v E38w E38x E38y E38z E39a E39b E39c E39d E39e 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E46x E46y E46z E47a E47b E47c E47d E47e E47f E47g E47h E47i E47j E47k E47l E47m E47n E47o E47p E47q E47r E47s E47t E47u E47v E47w E47x E47y E47z E48a E48b E48c E48d E48e E48f E48g E48h E48i E48j E48k E48l E48m E48n E48o E48p E48q E48r E48s E48t E48u E48v E48w E48x E48y E48z E49a E49b E49c E49d E49e E49f E49g E49h E49i E49j E49k E49l E49m E49n E49o E49p E49q E49r E49s E49t E49u E49v E49w E49x E49y E49z E50a E50b E50c E50d E50e E50f E50g E50h E50i E50j E50k E50l E50m E50n E50o E50p E50q E50r E50s E50t E50u E50v E50w E50x E50y E50z E51a E51b E51c E51d E51e E51f E51g E51h E51i E51j E51k E51l E51m E51n E51o E51p E51q E51r E51s E51t E51u E51v E51w E51x E51y E51z E52a E52b E52c E52d E52e E52f E52g E52h E52i E52j E52k E52l E52m E52n E52o E52p E52q E52r E52s E52t E52u E52v E52w E52x E52y E52z E53a E53b E53c E53d E53e E53f E53g E53h E53i E53j E53k E53l E53m E53n E53o E53p E53q E53r E53s E53t E53u E53v E53w E53x E53y E53z E54a E54b E54c E54d E54e E54f E54g E54h E54i E54j E54k E54l E54m E54n E54o 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E77r E77s E77t E77u E77v E77w E77x E77y E77z E78a E78b E78c E78d E78e E78f E78g E78h E78i E78j E78k E78l E78m E78n E78o E78p E78q E78r E78s E78t E78u E78v E78w E78x E78y E78z E79a E79b E79c E79d E79e E79f E79g E79h E79i E79j E79k E79l E79m E79n E79o E79p E79q E79r E79s E79t E79u E79v E79w E79x E79y E79z E80a E80b E80c E80d E80e E80f E80g E80h

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SUB-PIERS SCHEDULE-REINFORCEMENT BAR LIST
SUB-PIERS WITH BELLS
FOR RETAINING WALLS

ROUTE NO. SECTION COUNTY TOTAL SHEETS SHEET NO.
F. A. I.-55 SW-1818.6-2P COOK 395 224
FED. ROAD DIV. NO. 4 ILLINOIS PROJECT I-55-7801-289

Main reinforcement bar list table with columns for Subpier Mark, Dia. D, Top Elev., Bott. Elev., Length L, Reinforcement (Type, Bottom Bars, Mark, No. Req'd, Size, Length), and various pier-specific data.

CONTINUOUS TIE REINFORCEMENT BAR LIST table with columns for Subpier D, Dia. D, Size, and Total number of Turns.

REINFORCEMENT BAR LIST OF STANDARD REINFORCING IN SUBPIERS FOR RETAINING WALLS, TERMINAL STRUCTURES AND 23' ST BRIDGES table with columns for MARK, NUMBER REQUIRED, SIZE, and LENGTH.

BILL OF MATERIAL table with columns for DESCRIPTION, UNIT, and AMOUNT.

CITY OF CHICAGO DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY ELEVATED HIGHWAY
SLAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SUB-PIERS SCHEDULE 3
SCALE: NONE APR 1965 SHEET NO. 8-10 OF 395 SHEETS

DESIGNED BY B.H.
DRAWN BY E.F.10.21.63
CHECKED BY B.H.
APPROVED BY K.A.

307-60L70_As-Built.s.dgn



Revision table with columns for USER NAME, DESIGNED, CHECKED, DRAWN, PLOT DATE, and their respective revision status.

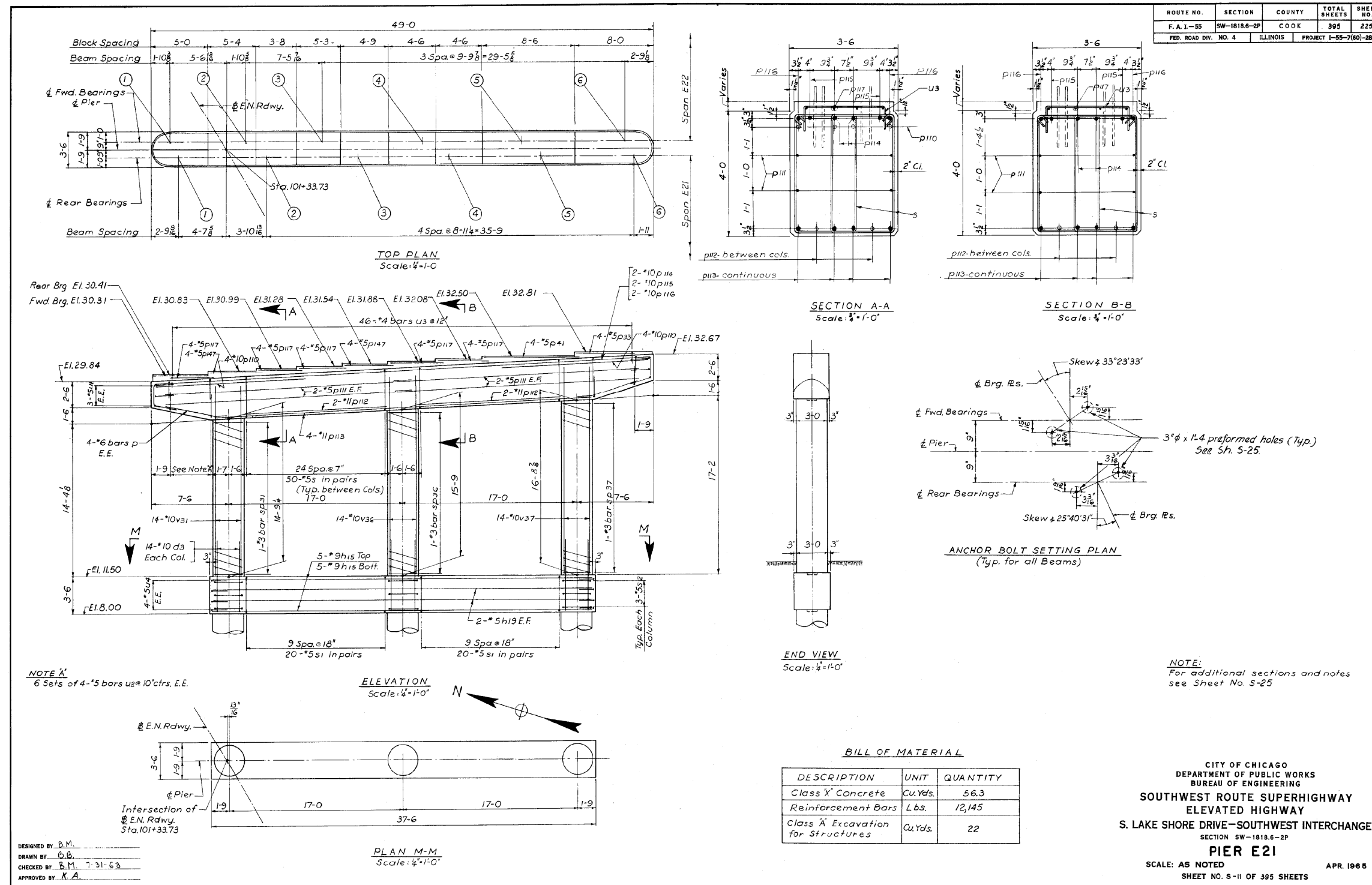
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

AS-BUILTS SHEET NO. 113 OF 174 SHEETS

Summary table with columns for F.A.I. RTE., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., and CONTRACT NO.

1616290224

FOR INFORMATION ONLY



NOTE:
 For additional sections and notes
 see Sheet No. 5-25

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PIER E21
 SCALE: AS NOTED APR. 1965
 SHEET NO. 5-11 OF 395 SHEETS

1616290225



USER NAME = auyeungh
 DESIGNED -
 CHECKED -
 DRAWN - HAY
 CHECKED - ATB
 PLOT SCALE =
 PLOT DATE = 11/11/2014

DESIGNED -
 CHECKED -
 DRAWN - HAY
 CHECKED - ATB
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS

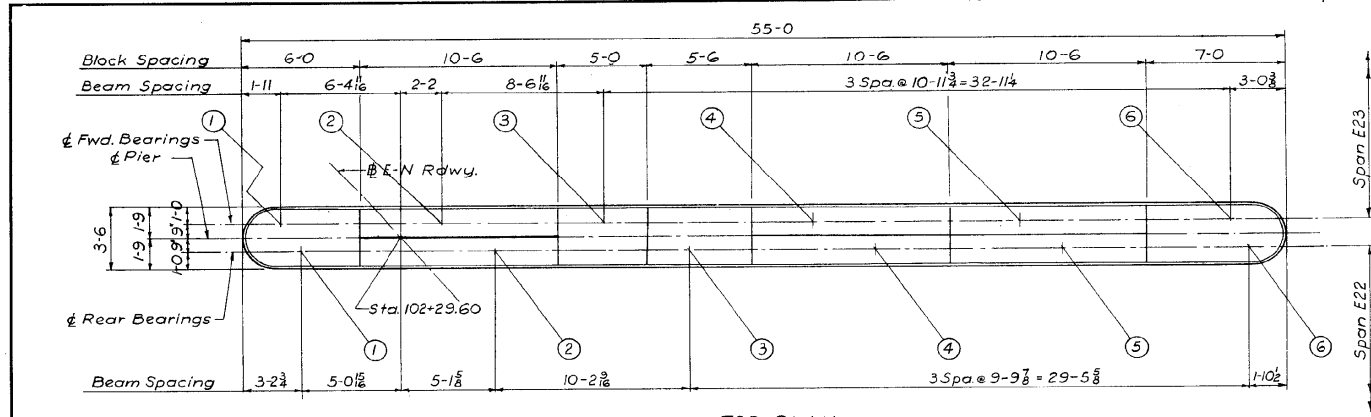
SHEET NO. 114 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	431

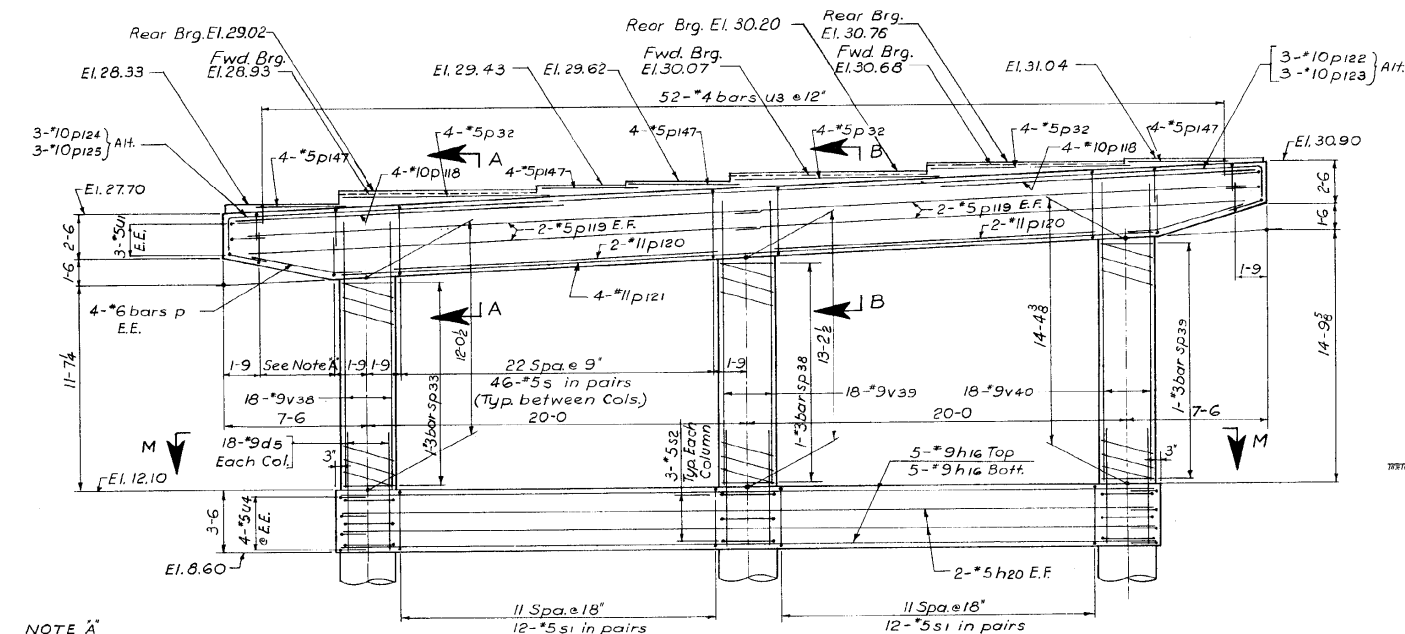
CONTRACT NO. 60L70
 ILLINOIS FED. AID PROJECT

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	226
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT 1-55-7(60)-289	

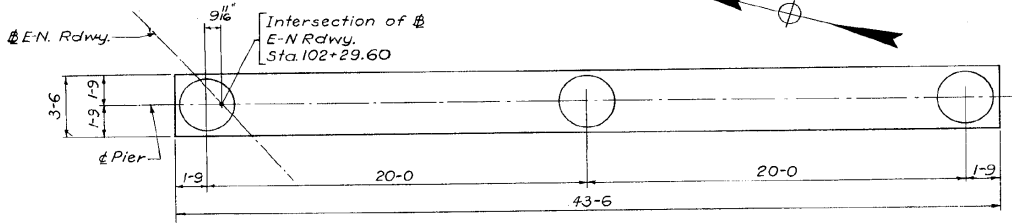


TOP PLAN
Scale: 1/4"=1'-0"



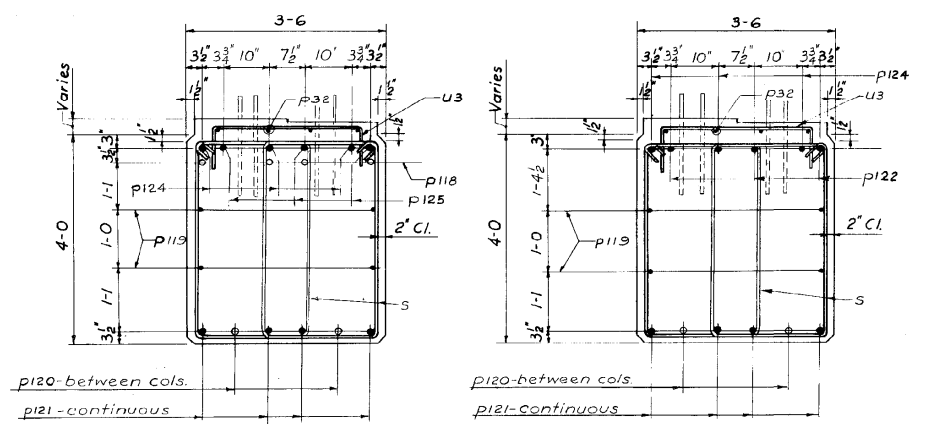
ELEVATION
Scale: 1/4"=1'-0"

NOTE A
5 sets of 4-#5 bars u2 @ 12" E.E.



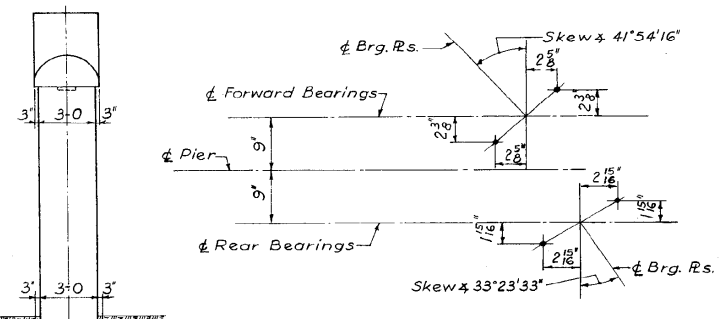
PLAN M-M
Scale: 1/4"=1'-0"

DESIGNED BY B.M.
DRAWN BY B.B.
CHECKED BY B.M.
APPROVED BY K.A.

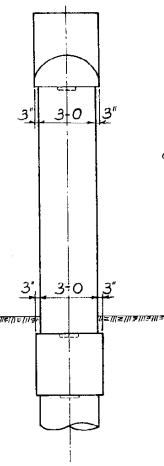


SECTION A-A
Scale: 1/4"=1'-0"

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



ANCHOR BOLT SETTING PLAN
(Typ. for all Beams)



END VIEW
Scale: 1/4"=1'-0"

NOTE:
For additional sections and notes see Sheet No. S-25

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu.Yds.	60.5
Reinforcement Bars	Lbs.	11,931
Class X Excavation for Structures	Cu.Yds.	27

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
PIER E22

SCALE: AS NOTED APR. 1985
SHEET NO. 5-12 OF 395 SHEETS

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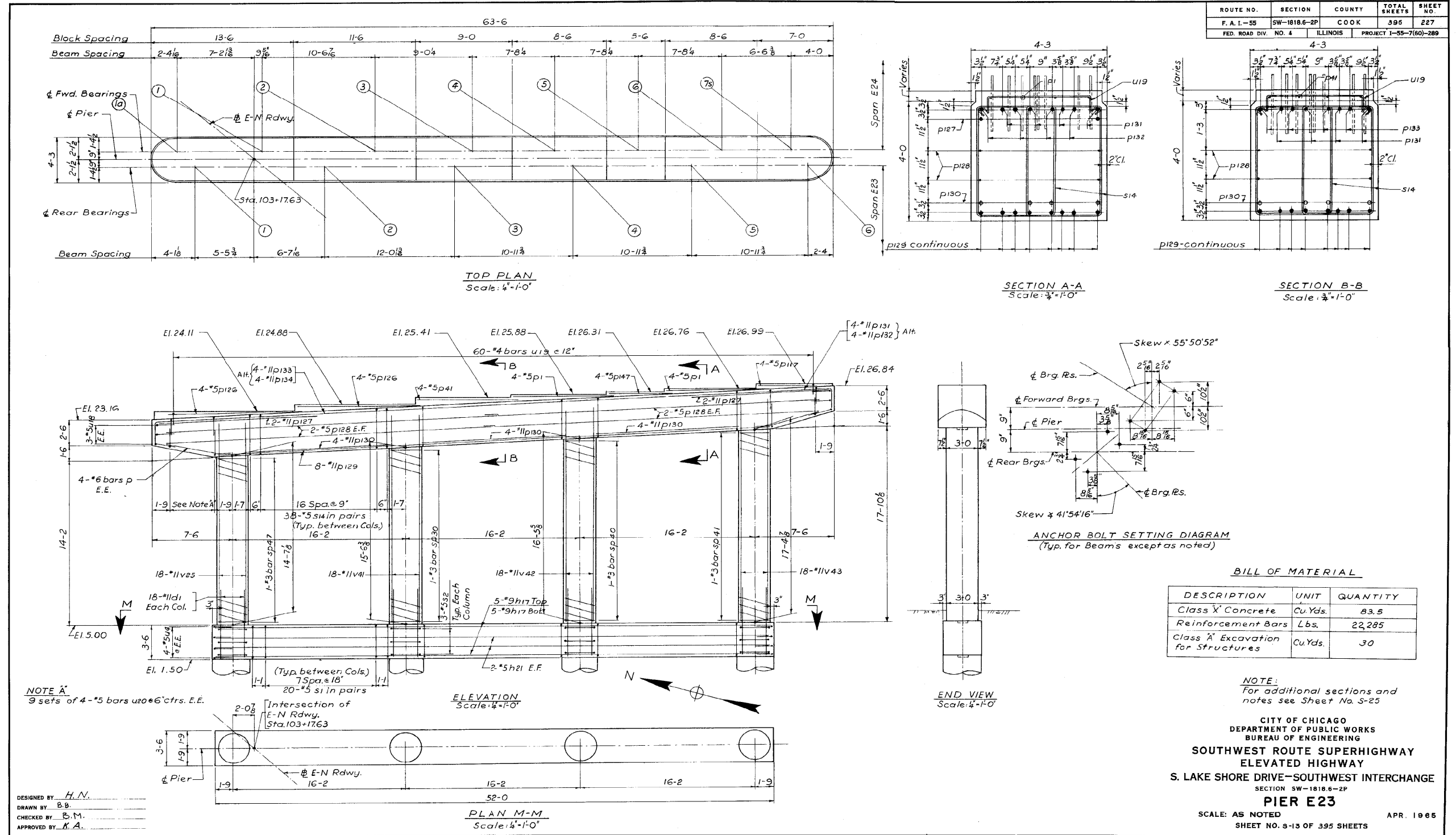
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PLOT SCALE =	CHECKED -	REVISIONS -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISIONS -
	CHECKED - ATB	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 115 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	432
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	227
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(50)-289		

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu.Yds.	83.5
Reinforcement Bars	Lbs.	22,285
Class A Excavation for Structures	Cu.Yds.	30

NOTE:
For additional sections and notes see Sheet No. S-25

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE**

SECTION SW-1818.6-2P
PIER E23

SCALE: AS NOTED
SHEET NO. 8-13 OF 395 SHEETS

APR. 1965

1616290227

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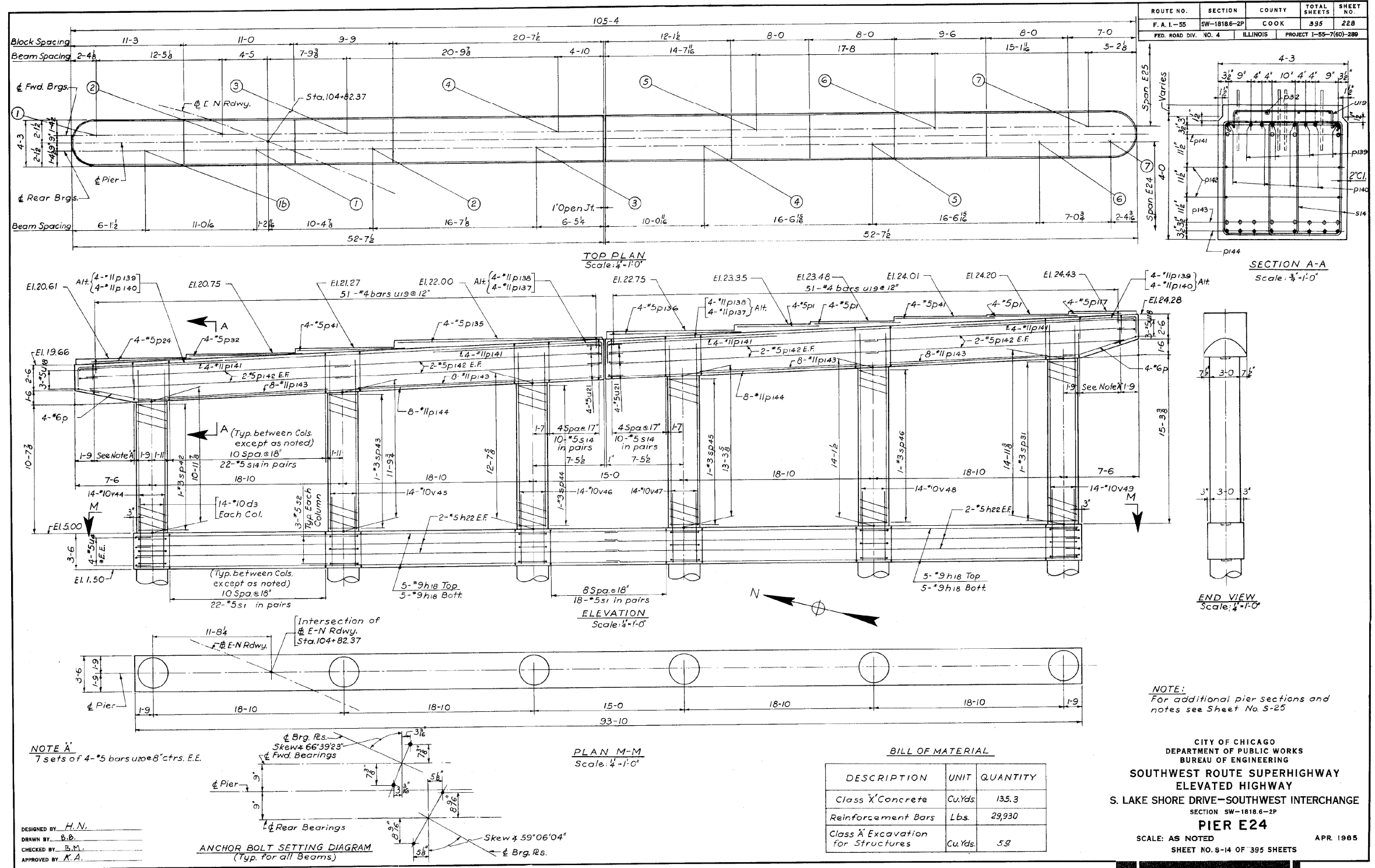
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	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 116 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	433
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



1616290228

311-60L70_As-Built.dgn



USER NAME = auyeungh
 DESIGNED -
 CHECKED -
 PLOT SCALE =
 DRAWN - HAY
 CHECKED - ATB
 PLOT DATE = 11/11/2014

DESIGNED -
 CHECKED -
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REVISED -
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 REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

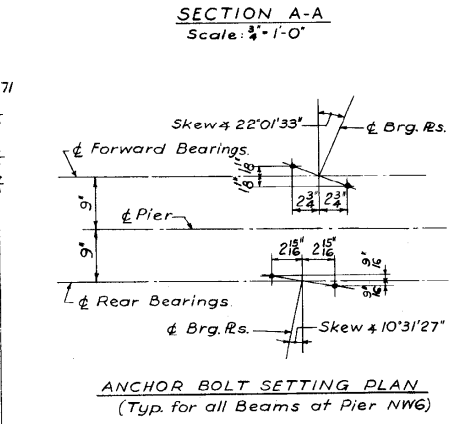
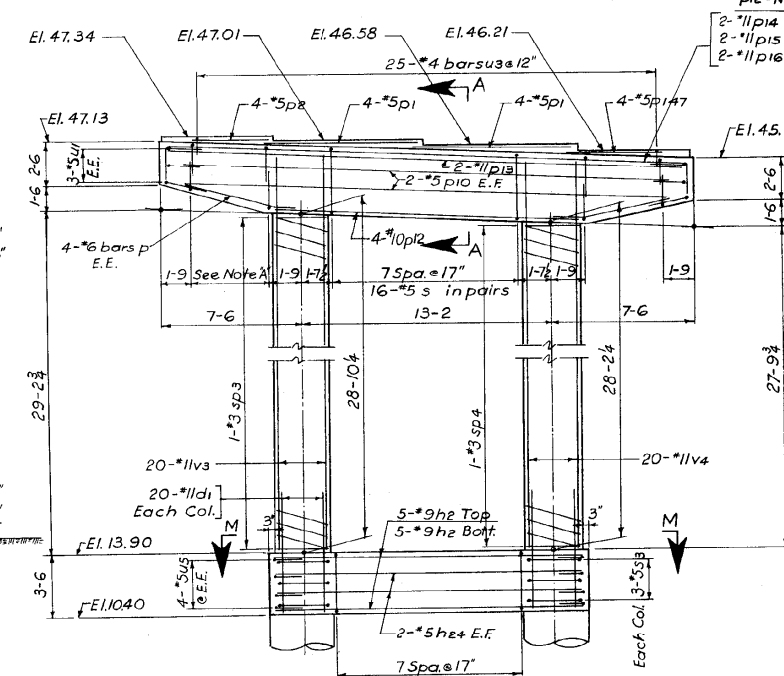
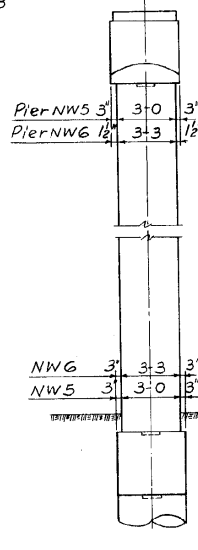
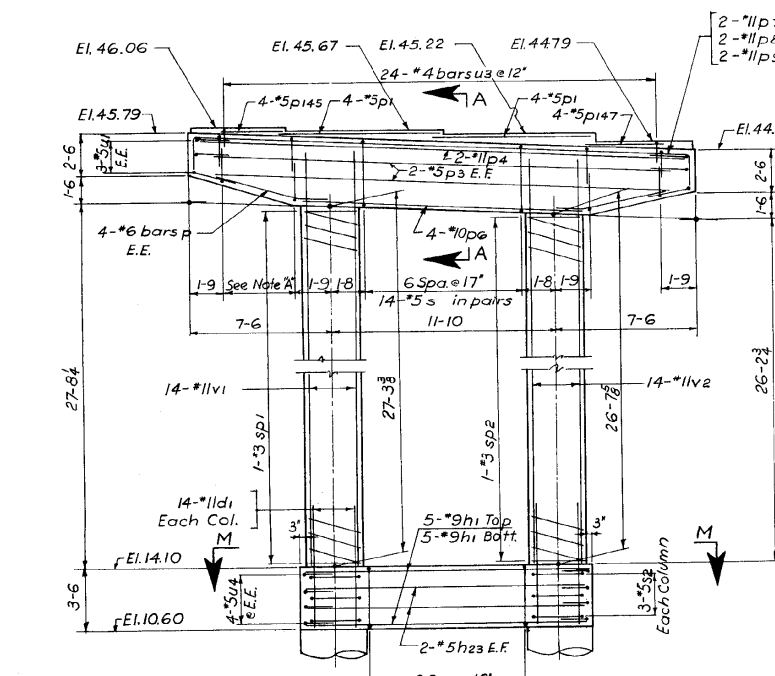
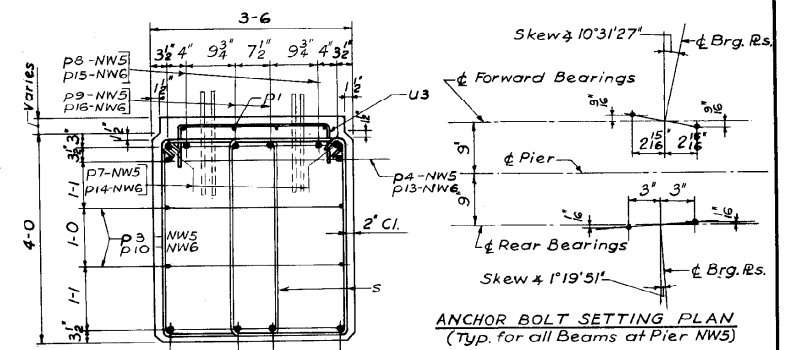
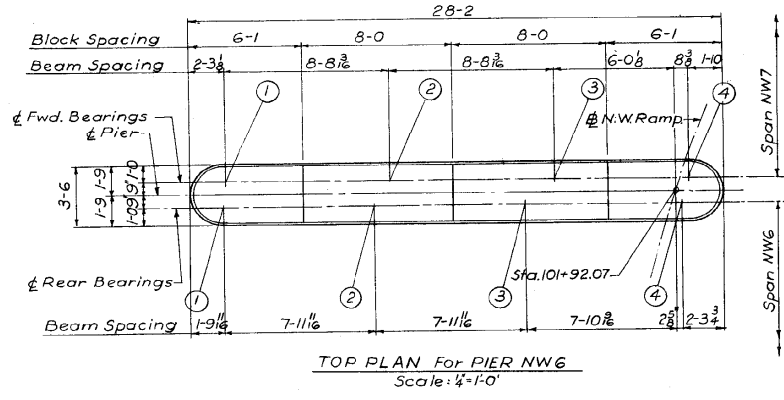
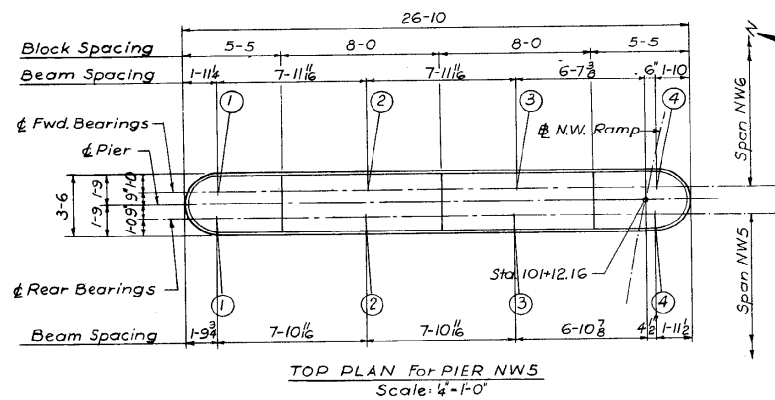
AS-BUILTS

SHEET NO. 117 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	434
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	229
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		

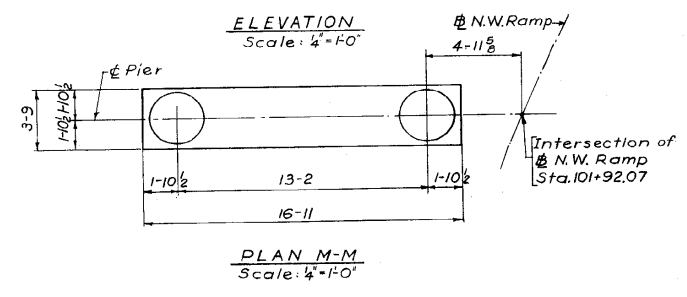
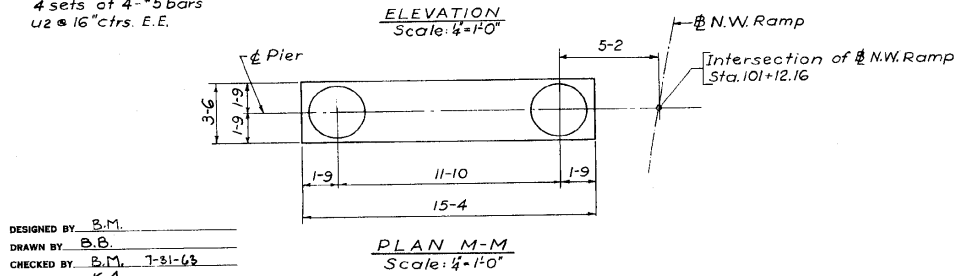


BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY	Pier NW5	Pier NW6
Class X Concrete	Cu.Yds.		34.8	40.2
Reinforcement Bars	Lbs.		9,051	12,024
Class X Excavation for structures	Cu.Yds.		8	9

NOTE: 4 sets of 4-#5 bars @ 16" ctrs. E.E.

NOTE: For additional pier sections and notes Sheet No. S-25



DESIGNED BY: B.M.
 DRAWN BY: B.B.
 CHECKED BY: B.M. 7-31-63
 APPROVED BY: K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PIERS NW5 & NW6
 SCALE: AS NOTED APR. 1985
 SHEET NO. 8-15 OF 395 SHEETS

1616290229

312-60L70_As-Builts.dgn



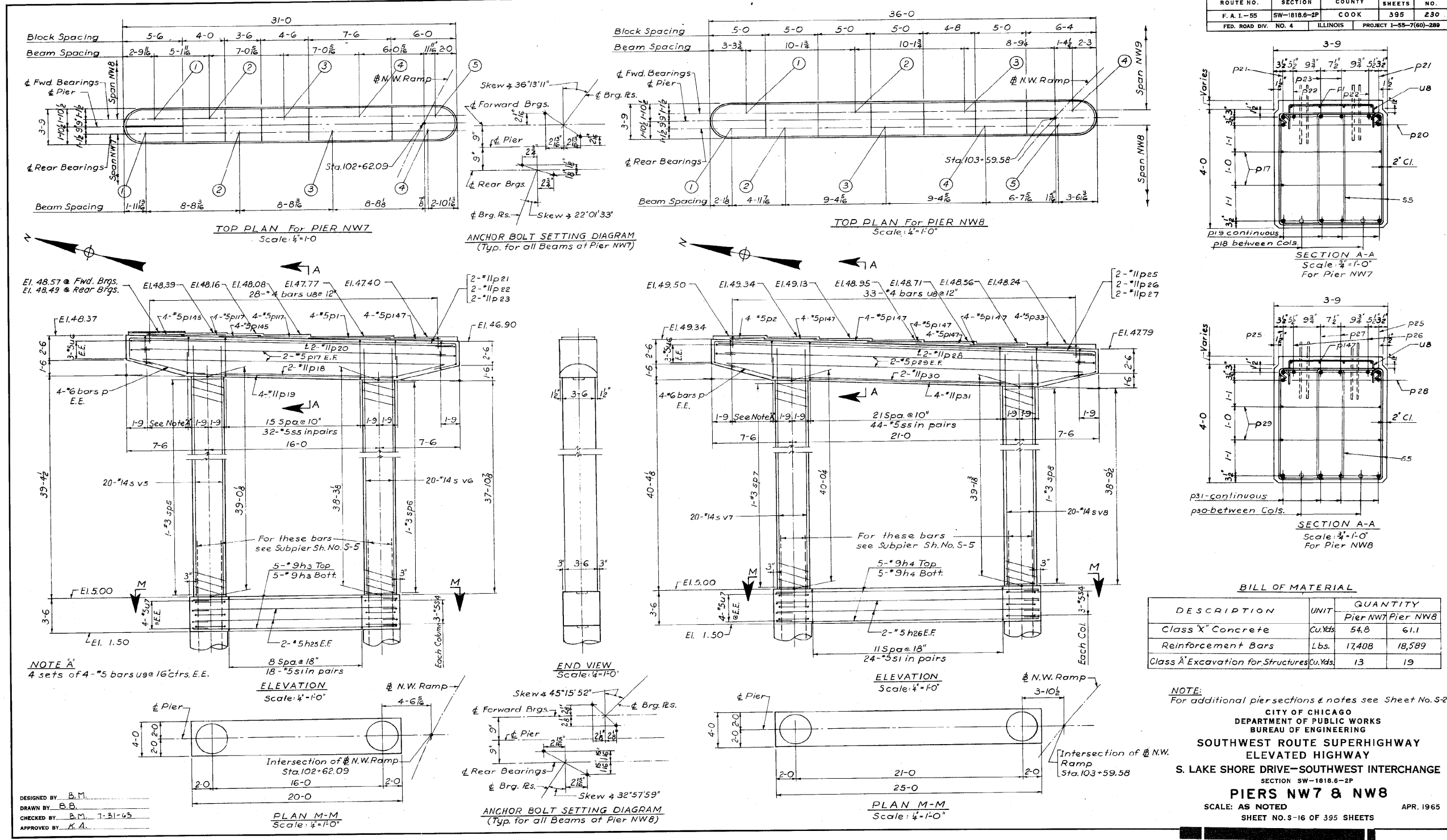
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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 118 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	435
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	230
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY	
		Pier NW7	Pier NW8
Class X Concrete	Cu.Yds.	54.8	61.1
Reinforcement Bars	Lbs.	17,408	18,589
Class A Excavation for Structures	Cu.Yds.	13	19

NOTE:
For additional pier sections & notes see Sheet No. S-25

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE**

SECTION SW-1818.6-2P

PIERS NW7 & NW8

SCALE: AS NOTED
SHEET NO. 3-16 OF 395 SHEETS
APR. 1965

1616290230

313-60L70_As-Builts.dgn



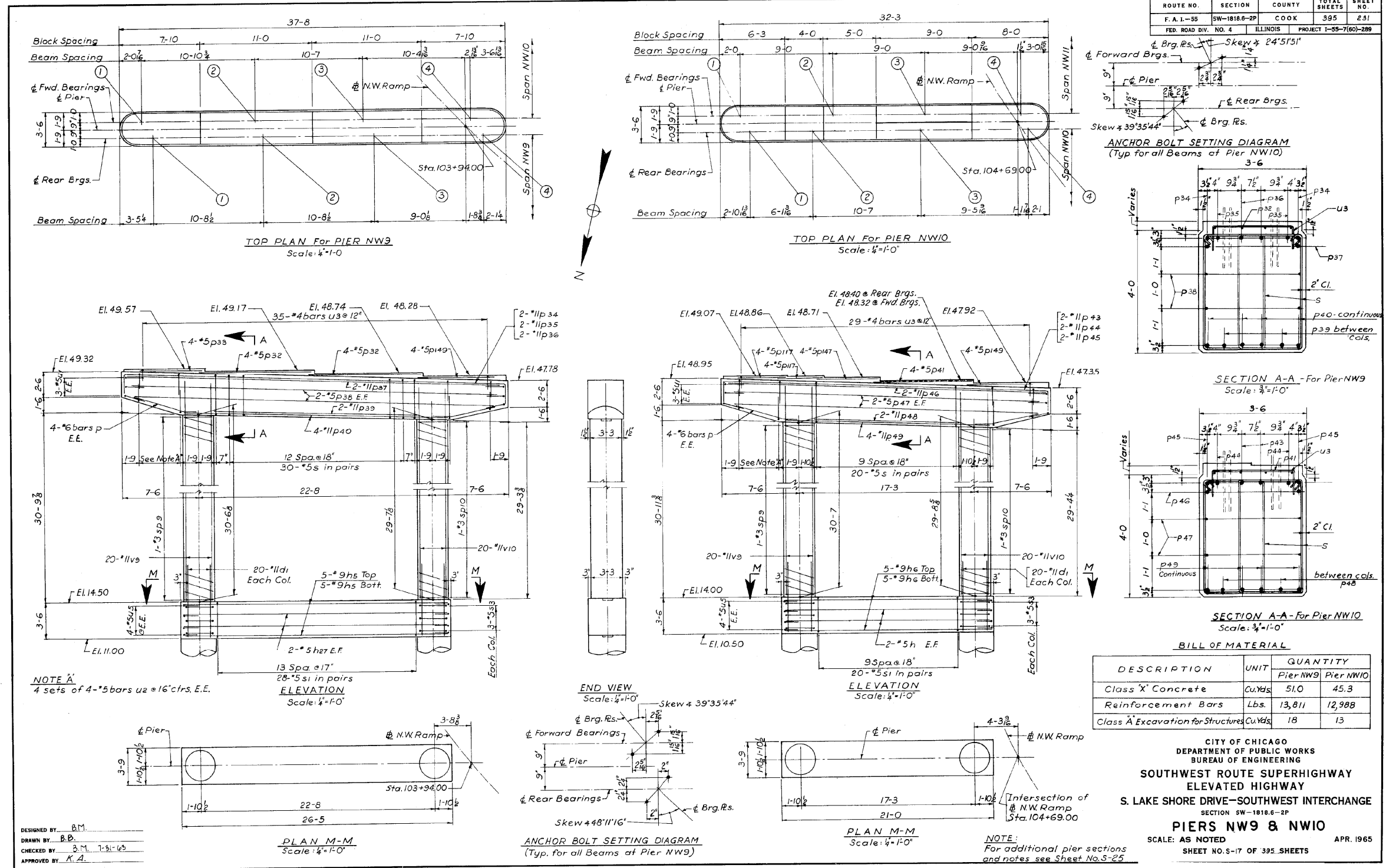
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DESIGNED -	CHECKED -	REVISD -
DRAWN BY B.B.	DRAWN - HAY	REVISD -
CHECKED BY B.M. 1-31-63	CHECKED - ATB	REVISD -
APPROVED BY K.A.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

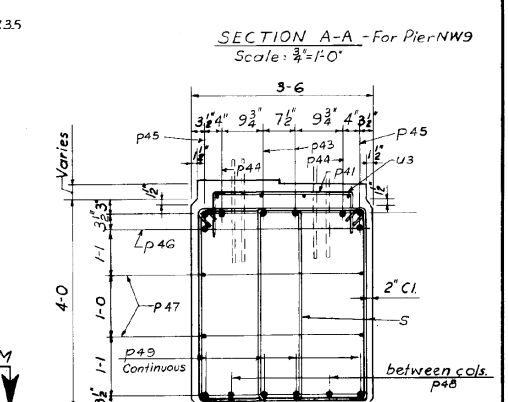
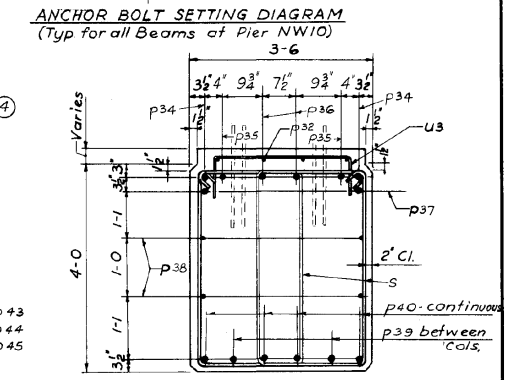
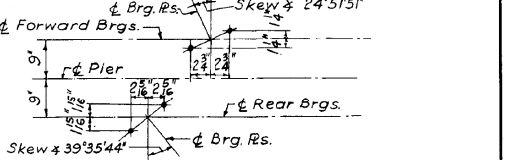
AS-BUILTS
SHEET NO. 119 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	436
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818-B-2P	COOK	395	231
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT I-55-7(60)-289	



BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY	
		Pier NW9	Pier NW10
Class 'X' Concrete	CuYds	51.0	45.3
Reinforcement Bars	Lbs.	13,811	12,988
Class 'A' Excavation for Structures	CuYds	18	13

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818-B-2P
PIERS NW9 & NW10
SCALE: AS NOTED SHEET NO. S-17 OF 395 SHEETS
APR. 1965

1616290231

DESIGNED BY: B.M.
DRAWN BY: B.B.
CHECKED BY: B.M. 7-51-63
APPROVED BY: K.A.

314-60L70_As-Builts.dgn



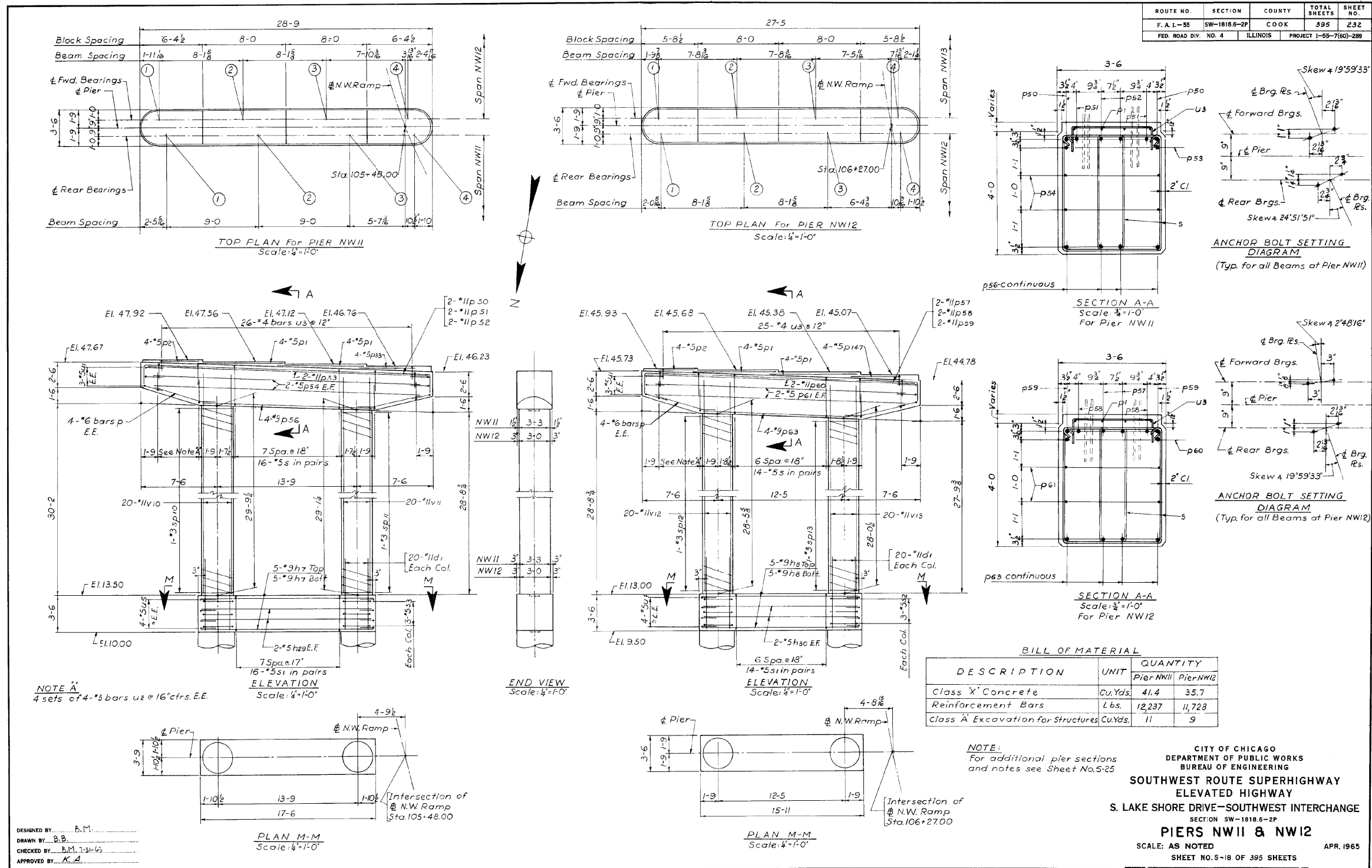
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 120 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	437
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.6-2P	COOK	395	232
FED. ROAD DIV. NO. 4 ILLINOIS PROJECT 1-55-7(60)-288				

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class 'X' Concrete	Cu.Yds.	41.4
Reinforcement Bars	Lbs.	12,237
Class 'A' Excavation for Structures	Cu.Yds.	11

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING

**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P

PIERS NWII & NW12
SCALE: AS NOTED APR. 1965
SHEET NO. 9-18 OF 395 SHEETS

1616290232

315-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
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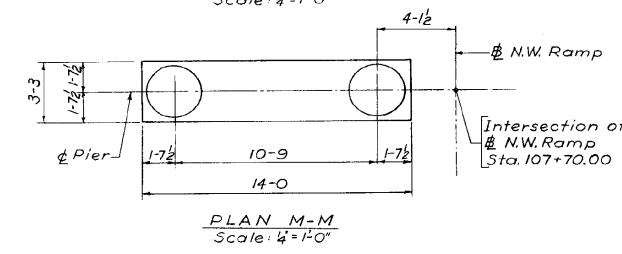
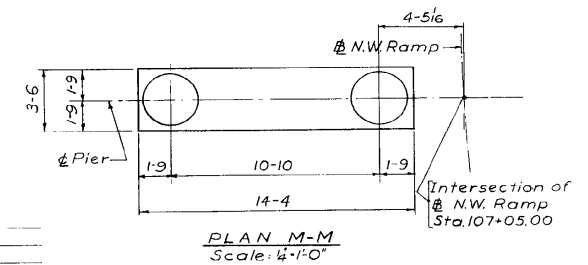
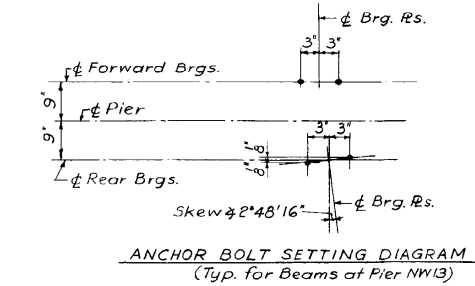
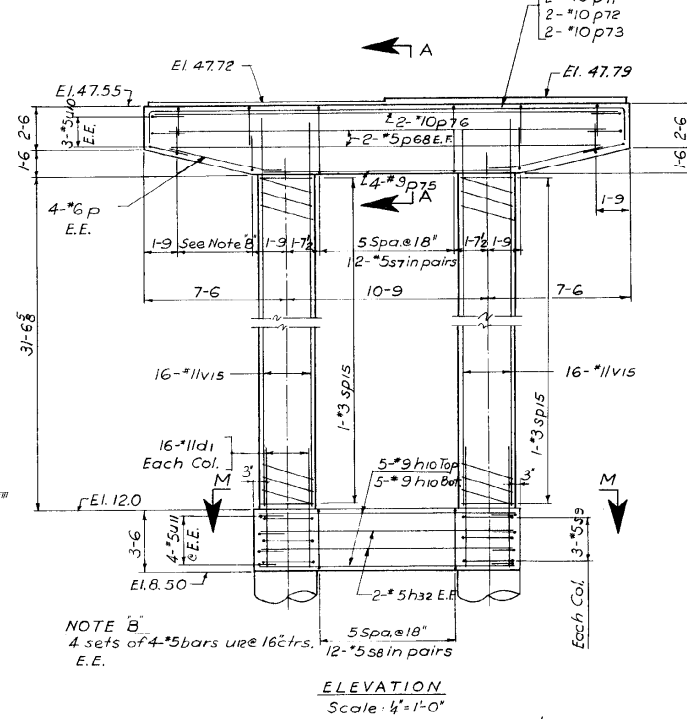
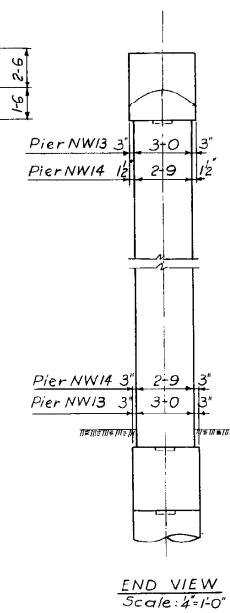
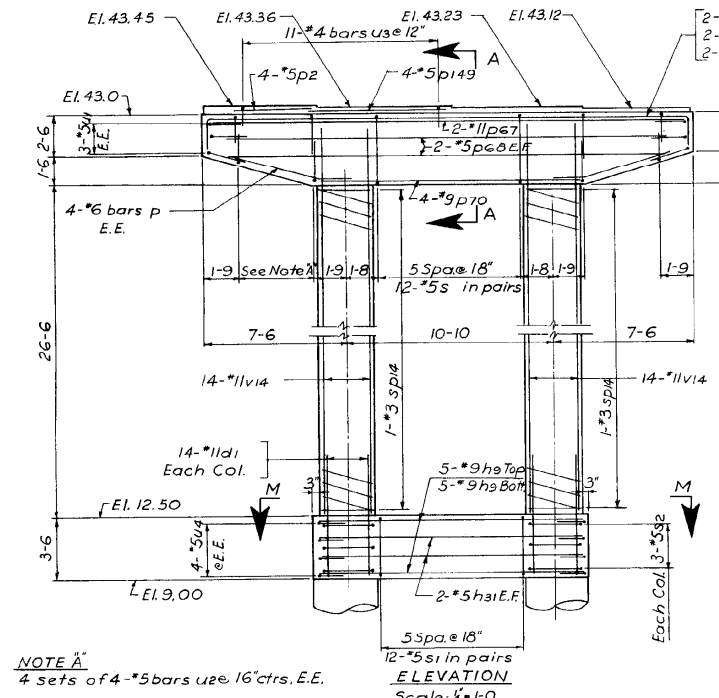
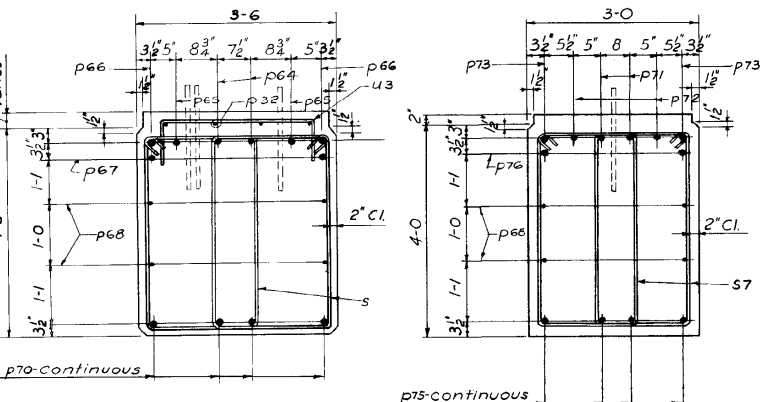
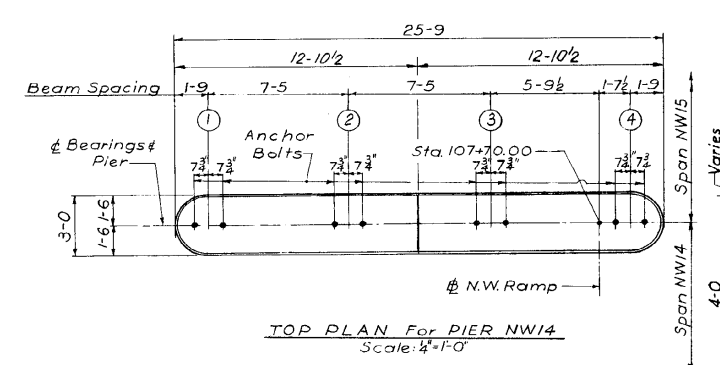
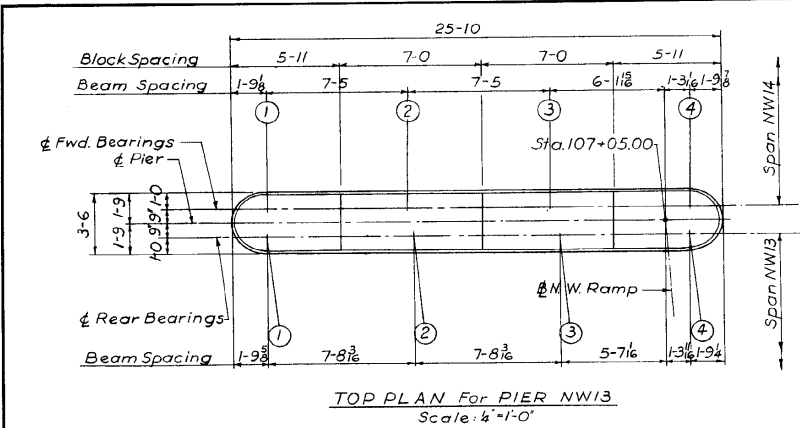
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
SHEET NO. 121 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	438
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.6-2P	COOK	395	233
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY	
		Pier NW13	Pier NW14
Class 'X' Concrete	Cu.Yds.	33.2	30.4
Reinforcement Bars	Lbs.	8,659	19,020
Class 'A' Excavation for Structures	Cu.Yds.	8	8

NOTE:
 For additional pier sections and notes see Sheet No. S-25
 CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PIERS NW13 & NW14
 SCALE: AS NOTED APR. 1965
 SHEET NO. 5-19 OF 395 SHEETS

1616290233

DESIGNED BY B.M.
 DRAWN BY B.B.
 CHECKED BY B.M. 7-31-63
 APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISD -
PLOT SCALE =	CHECKED -	REVISD -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISD -
	CHECKED - ATB	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

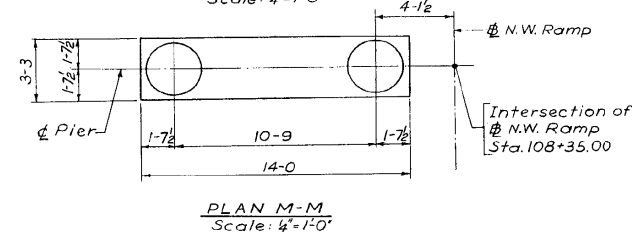
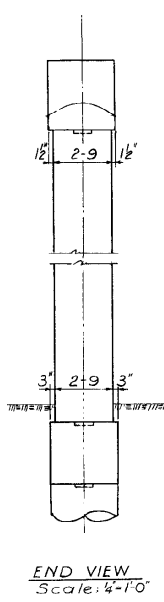
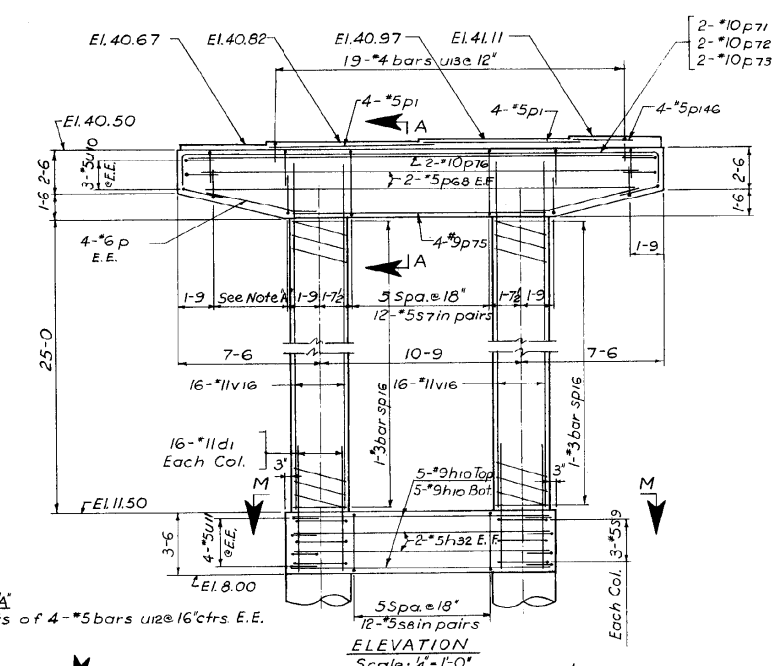
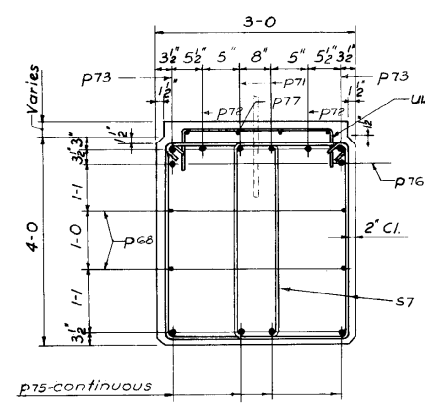
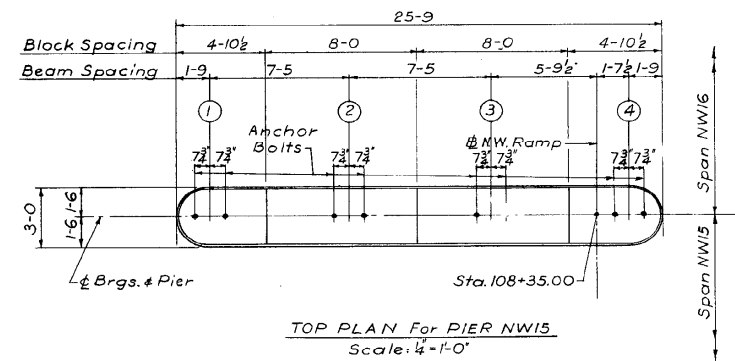
AS-BUILTS
 SHEET NO. 122 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	439
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

316-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I-55	SW-1818.6-2P	COOK	395	234
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



NOTE A
4 sets of 4-#5 bars u2 @ 16" ctrs. E.E.

NOTE:
For additional pier sections and notes see Sheet No. 5-25

BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY
Class X Concrete	Cu. Yds.	28.1
Reinforcement Bars	Lbs.	9,006
Class A Excavation for Structures	Cu. Yds.	8

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE**
SECTION SW-1818.6-2P
PIER NW 15
SCALE: AS NOTED
SHEET NO. 5-20 OF 395 SHEETS

APR. 1965

1616290234

DESIGNED BY B.M.
DRAWN BY B.B.
CHECKED BY B.M. 7-31-65
APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISD -
	CHECKED -	REVISD -
PLOT SCALE =	DRAWN - HAY	REVISD -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

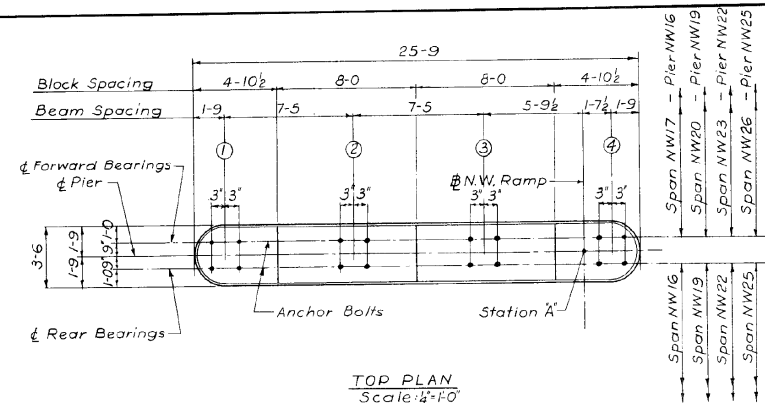
AS-BUILTS
SHEET NO. 123 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	440
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

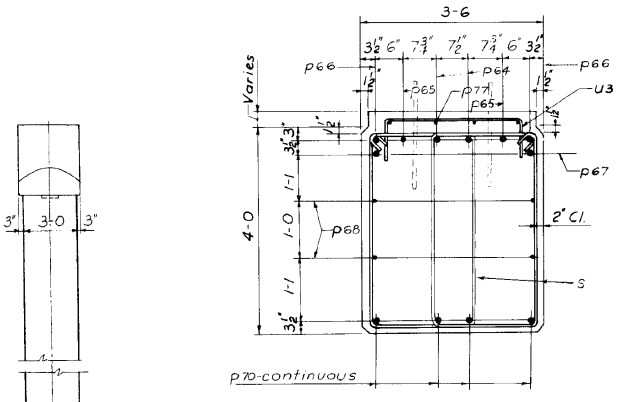
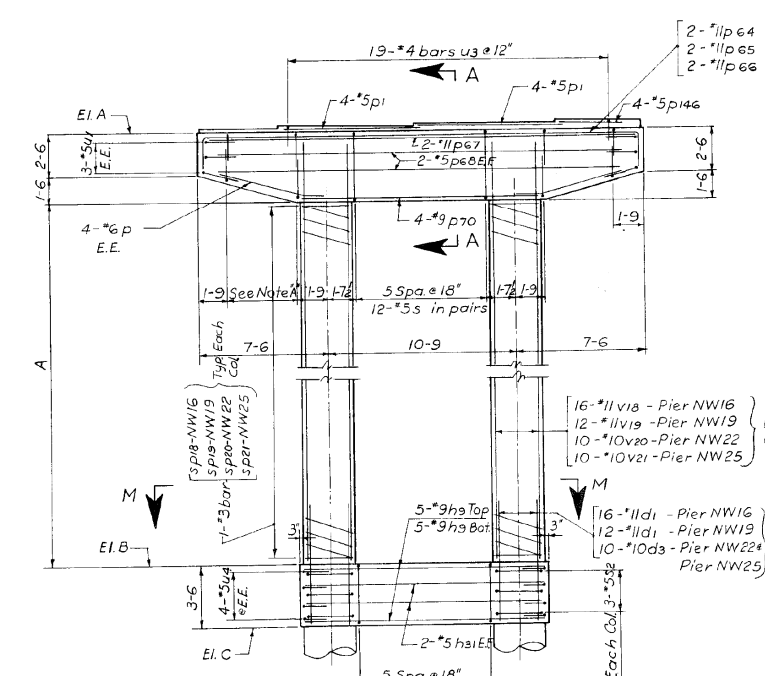
317-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. 1-55	SW-1818.6-2P	COOK	395	235
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		

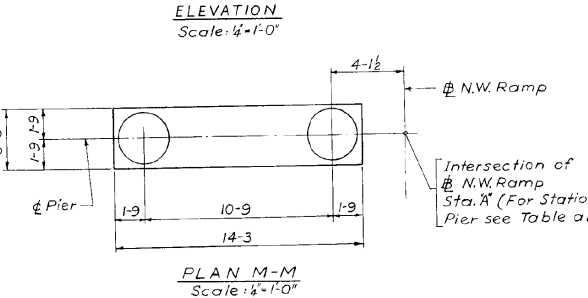


PIER	ELEVATIONS				Dimension A	Station A
	A	B	C	Top of Block Bearings		
NW16	38.64	11.00	7.50	38.81, 38.96, 39.11, 39.25	23-7 5/8	109+00.00
NW19	33.00	10.50	7.00	33.15, 33.30, 33.45, 33.58	18-6	110+95.00
NW22	27.30	10.50	7.00	27.50, 27.65, 27.80, 27.92	12-9 5/8	112+90.00
NW25	21.70	10.00	6.50	21.84, 21.99, 22.14, 22.27	7-8 3/8	114+85.00



DESCRIPTION	UNIT	QUANTITY			
		Pier NW16	Pier NW19	Pier NW22	Pier NW25
Class X Concrete	Cu. Yds.	31.9	29.4	26.4	23.5
Reinforcement Bars	Lbs.	8,984	6,856	5,095	4,605
Class A Excavation for Structures	Cu. Yds.	8	9	9	12

NOTE A
 4 sets of 4-#5 bars u2 @ 16" ctrs. E.E.



DESIGNED BY B.M.
 DRAWN BY B.B.
 CHECKED BY B.M. 7-31-63
 APPROVED BY K.A.

NOTE:
 For additional pier sections and notes see Sheet No. S-25

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE--SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PIERS NW16, NW19, NW22 & NW25
 SCALE: AS NOTED APR. 1965
 SHEET NO. S-21 OF 395 SHEETS

1616290235

318-60L70_As-Builts.dgn



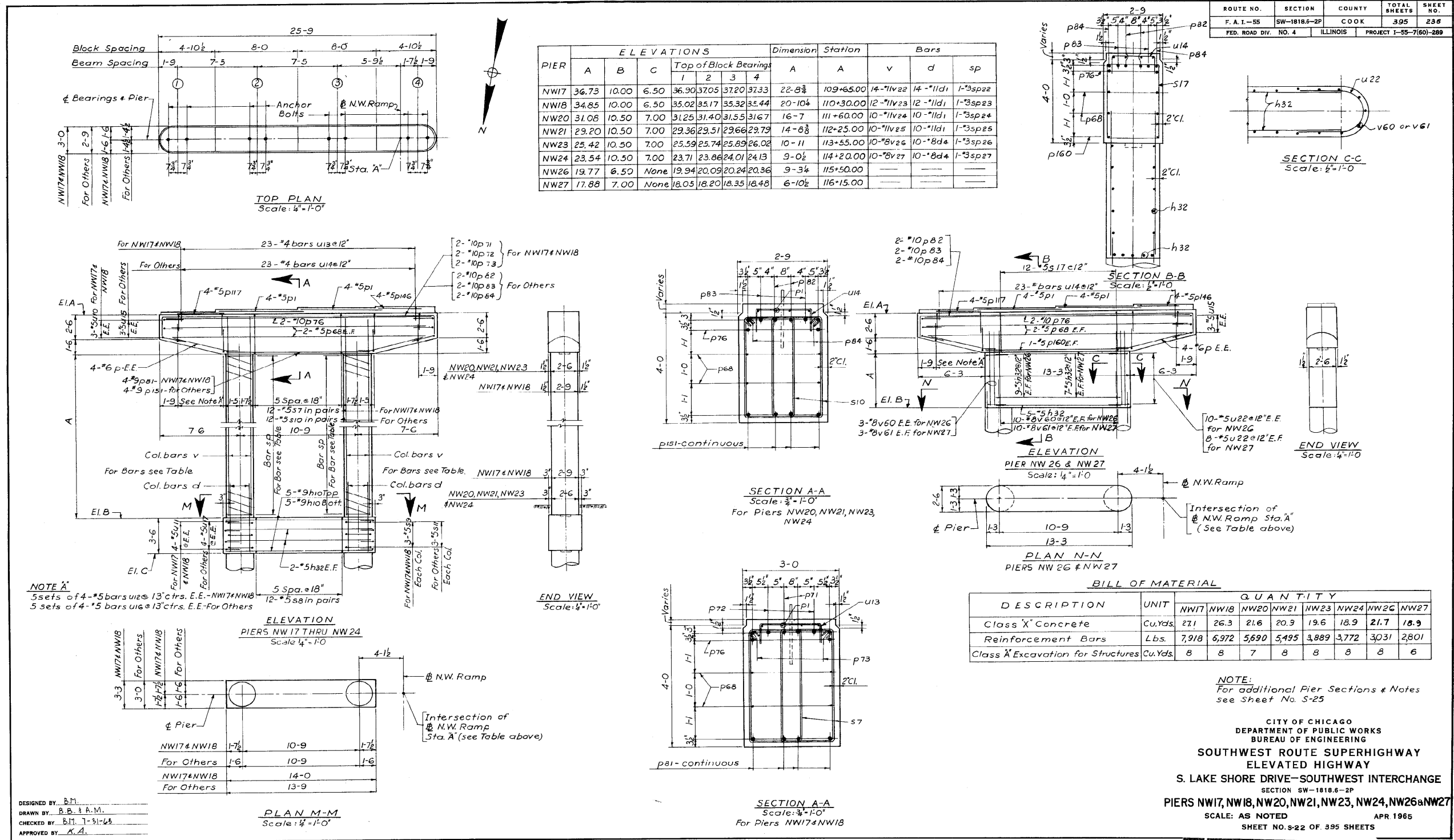
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 124 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	441
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



USER NAME = auyeungh
 DESIGNED -
 CHECKED -
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 CHECKED - ATB
 PLOT DATE = 11/11/2014

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 CHECKED -
 DRAWN - HAY
 CHECKED - ATB

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 125 OF 174 SHEETS

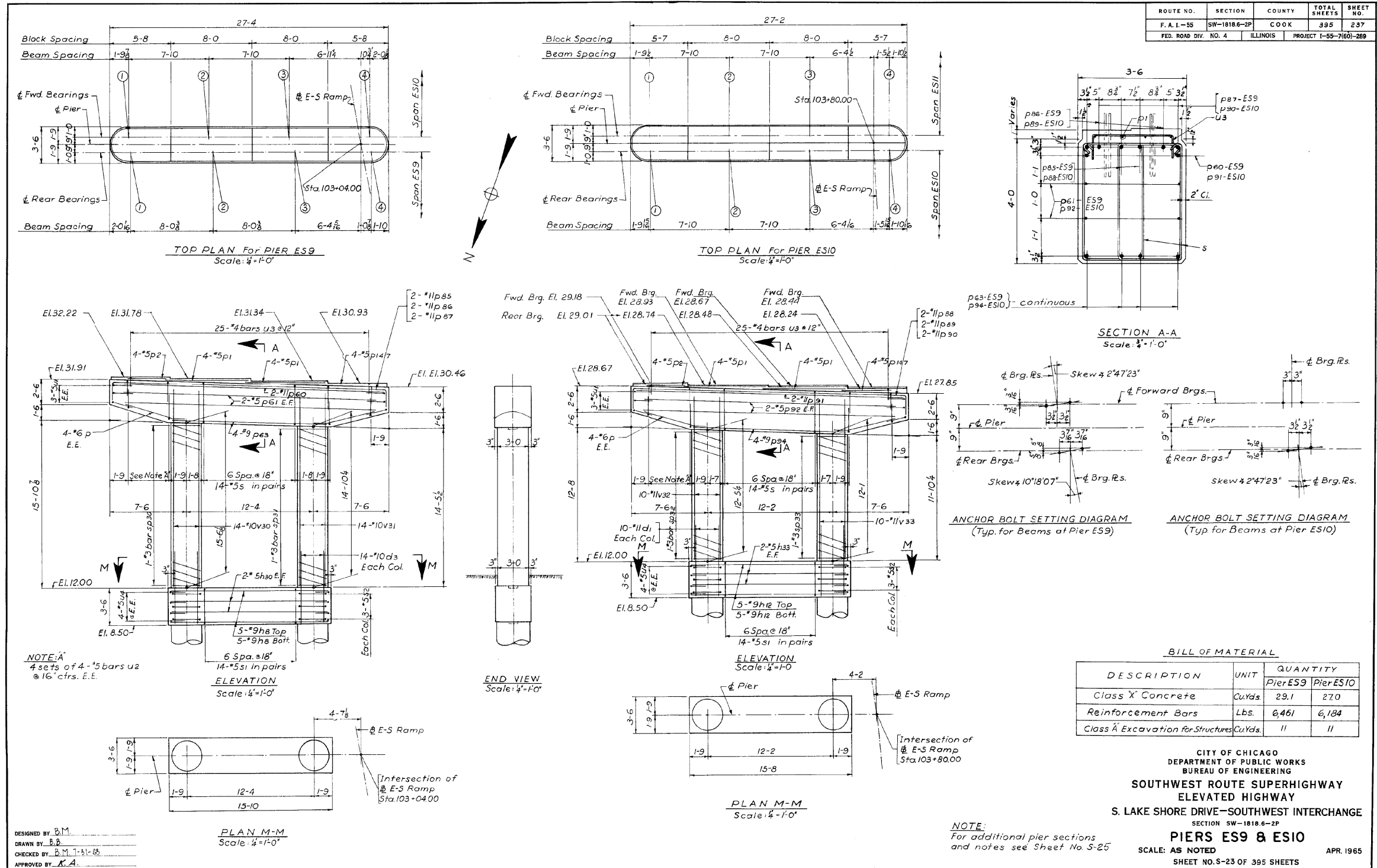
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 SECTION 2010-080-B
 COUNTY COOK
 TOTAL SHEETS 886
 SHEET NO. 442
 CONTRACT NO. 60L70
 ILLINOIS FED. AID PROJECT

1616290236

319-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 1-55	SW-1818.6-2P	COOK	395	237
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



USER NAME = auyeungh
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PLOT SCALE =
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS

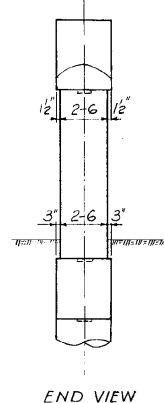
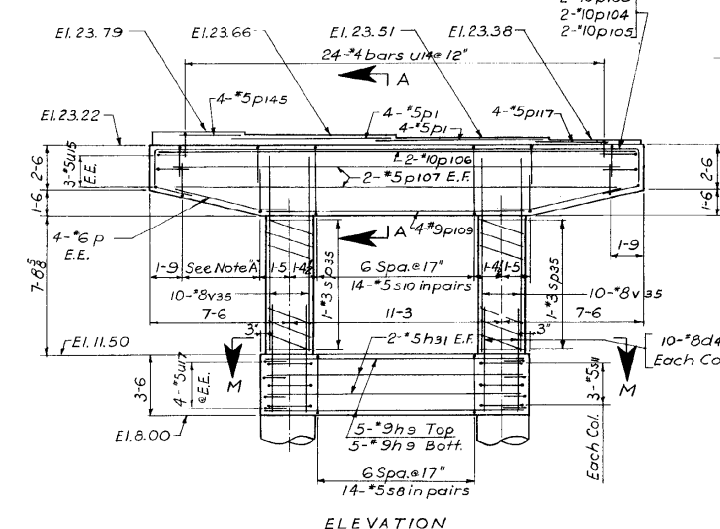
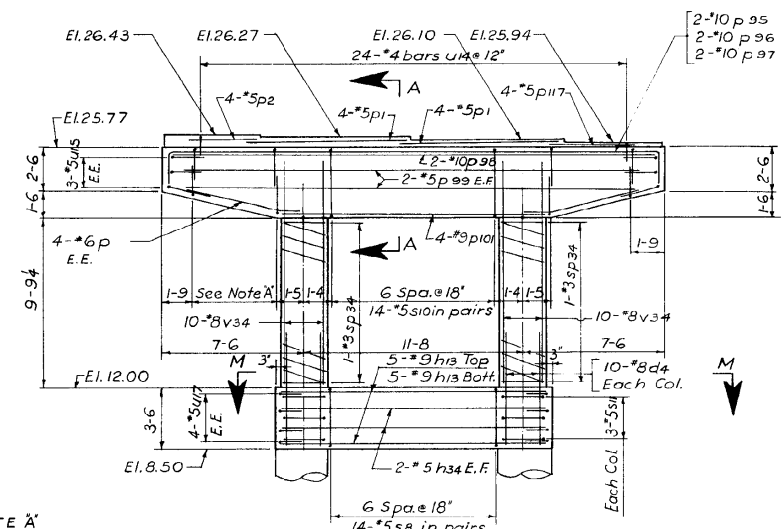
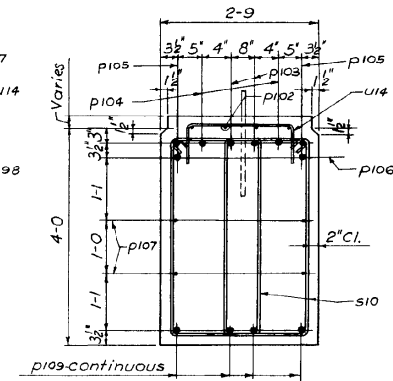
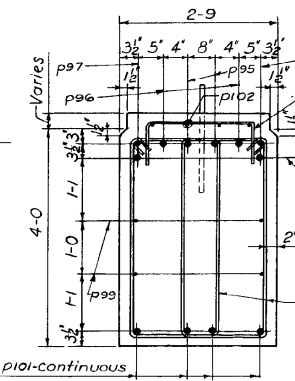
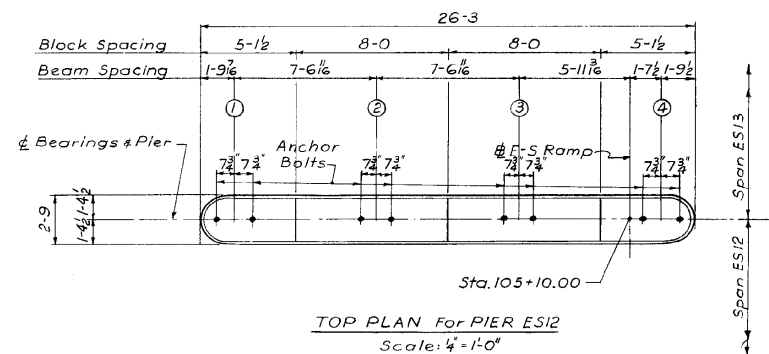
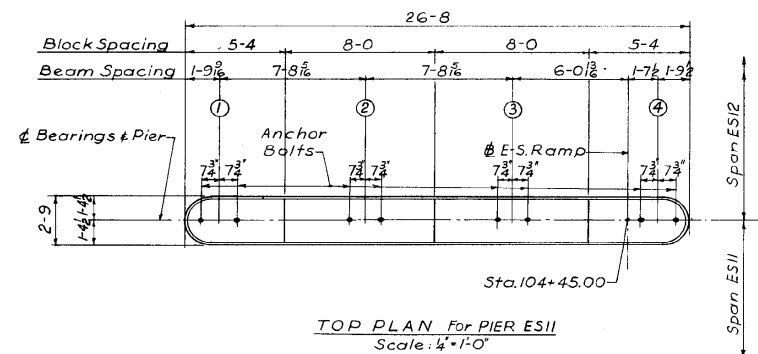
SHEET NO. 126 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	443
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

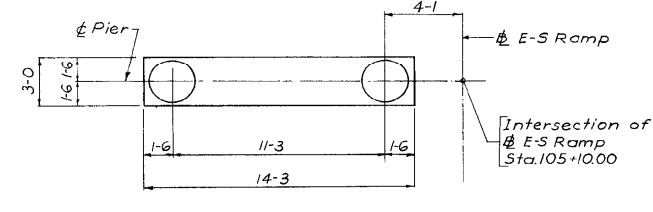
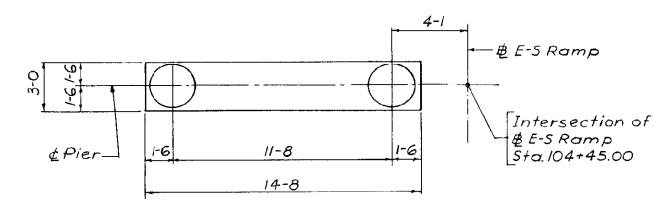
320-60L70...As-Built.s.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818-2P	COOK	395	238
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



NOTE A
5 sets of 4-5 bars use #13 ctrs. E.E.



BILL OF MATERIAL

DESCRIPTION	UNIT	QUANTITY	
		Pier ES11	Pier ES12
Class X Concrete	Cu.Yds	20.0	18.8
Reinforcement Bars	Lbs.	4,072	4,155
Class A Excavation for Structures	Cu.Yds	9	8

NOTE:
For additional pier sections and notes see Sheet No. 5-25

DESIGNED BY B.M.
 DRAWN BY B.B.
 CHECKED BY B.M. 1-31-63
 APPROVED BY K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818-2P
PIERS ES11 & ES12
 SCALE: AS NOTED APR. 1965
 SHEET NO. 3-24 OF 395 SHEETS

1616290238

321-60L70_As-Builts.dgn



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	CHECKED - ATB	REVISED -

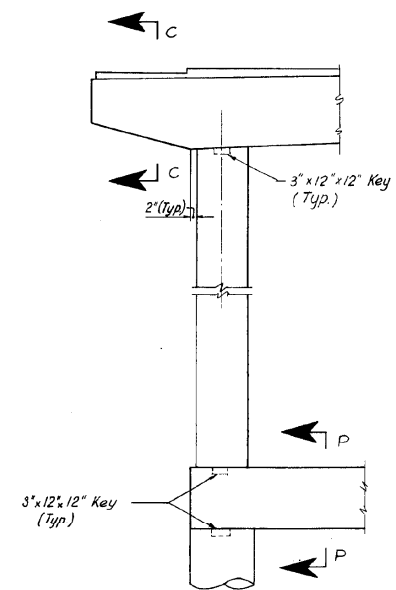
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 127 OF 174 SHEETS

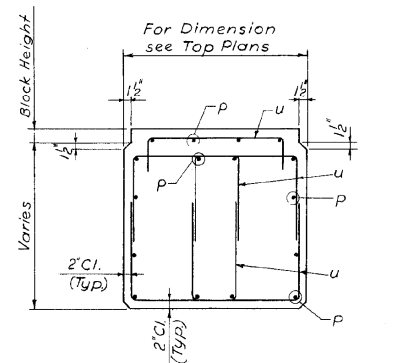
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	444
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

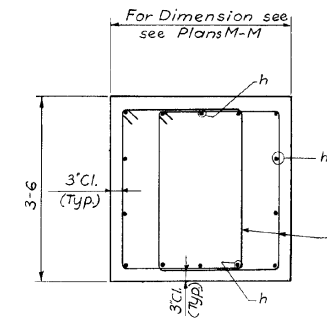
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	239
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



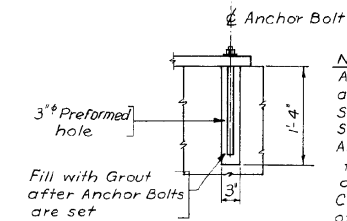
PARTIAL ELEVATION OF PIER



SECTION C-C
(TYPICAL CANTILEVER REINFORCEMENT)

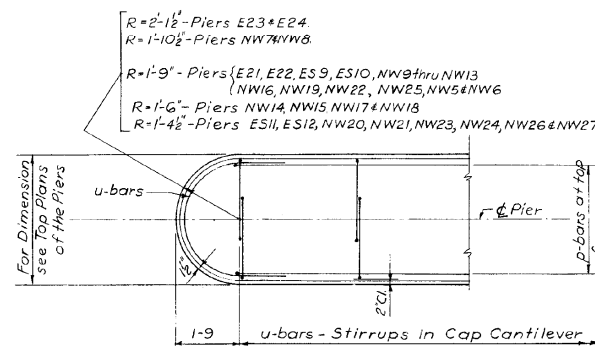


SECTION P-P

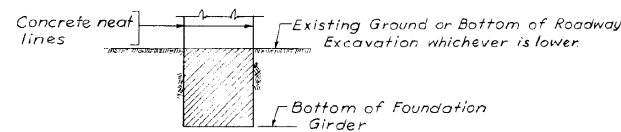


ANCHOR BOLT SETTING DETAIL

NOTE:
Anchor Bolts shall be set in accordance with Anchor Bolt Setting Diagram shown on Sh. No. S-11 thru S-24. Also see Note on Sh. No. S-41 & S-42 for direction of bearing devices. Contractor shall verify location of Anchor Bolt holes with Structural Steel Shop Drawings.



TYPICAL END DETAIL OF PIER CAP



PAY LIMITS
Class A Excavation for Structures

- NOTES:**
- Bearing Blocks to be poured monolithic with Pier Cap.
 - Adjust Stirrup spacing to avoid interference with Anchor Bolt forms.
 - For Reinforcement Bar Lists see Sh. No. S-26 thru S-28 inclusive.
 - Use 20 bar diameters as minimum Lap for reinforcement.
 - E.E. indicates Each End.
 - E.F. indicates Each Face.
 - All corners shall be chamfered $\frac{3}{8}$ unless otherwise shown or noted.

DESIGNED BY: H.N.
DRAWN BY: B.B.
CHECKED BY: B.M.
APPROVED BY: K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
COMMON PIER DETAILS
SCALE: NO SCALE APR. 1965
SHEET NO. S-25 OF 395 SHEETS

1616290239

322-60L70_As-Builts.dgn



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	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

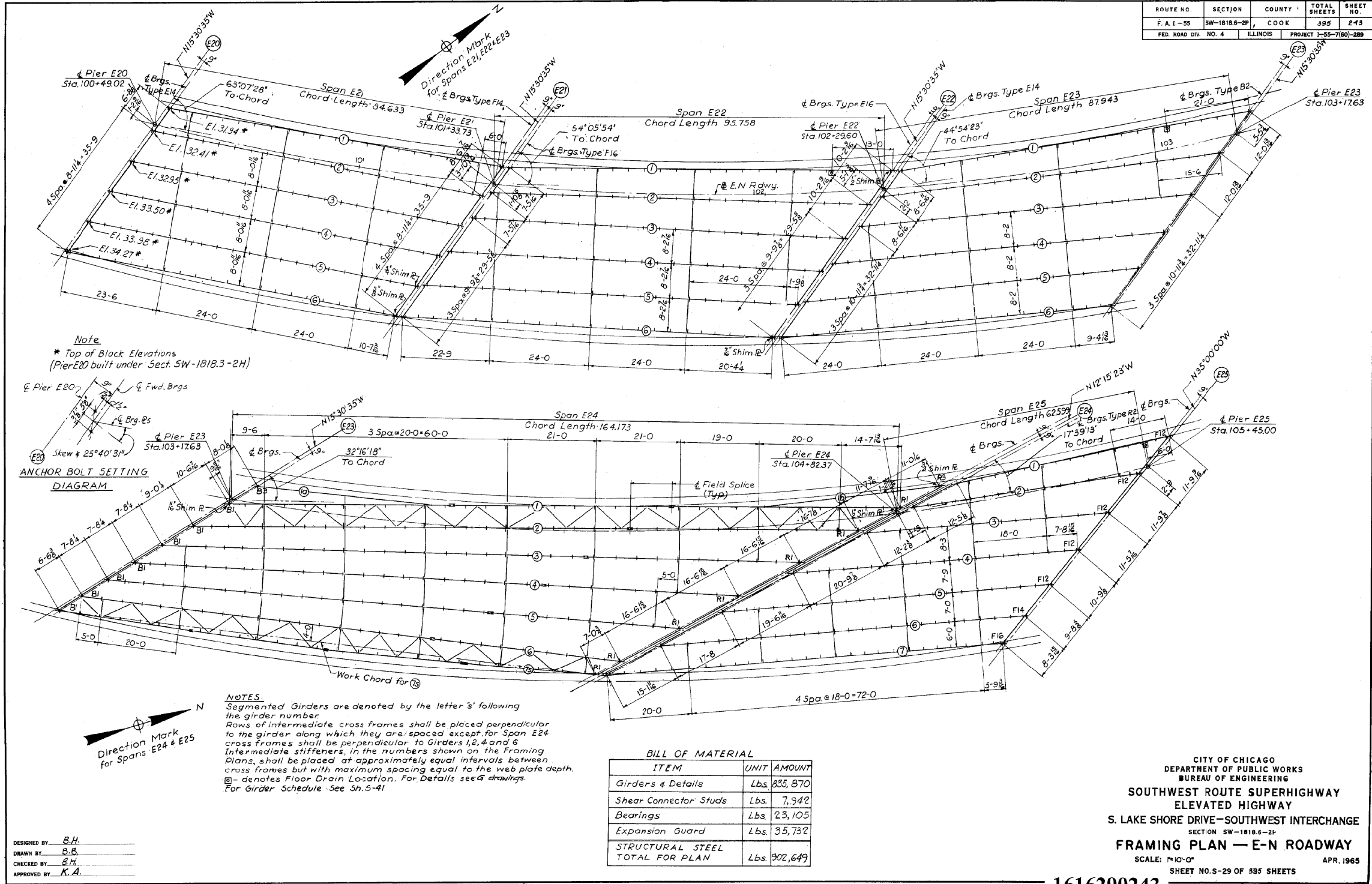
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 128 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	445
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818.6-2P	COOK	395	243
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(80)-289		



1616290243

CITY OF CHICAGO
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**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
FRAMING PLAN - E-N ROADWAY
 SCALE: 1/4"=1'-0"
 SHEET NO. S-29 OF 395 SHEETS APR. 1965

DESIGNED BY B.H.
 DRAWN BY B.E.
 CHECKED BY B.H.
 APPROVED BY K.A.

323-60L70_As-Builts.dgn



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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

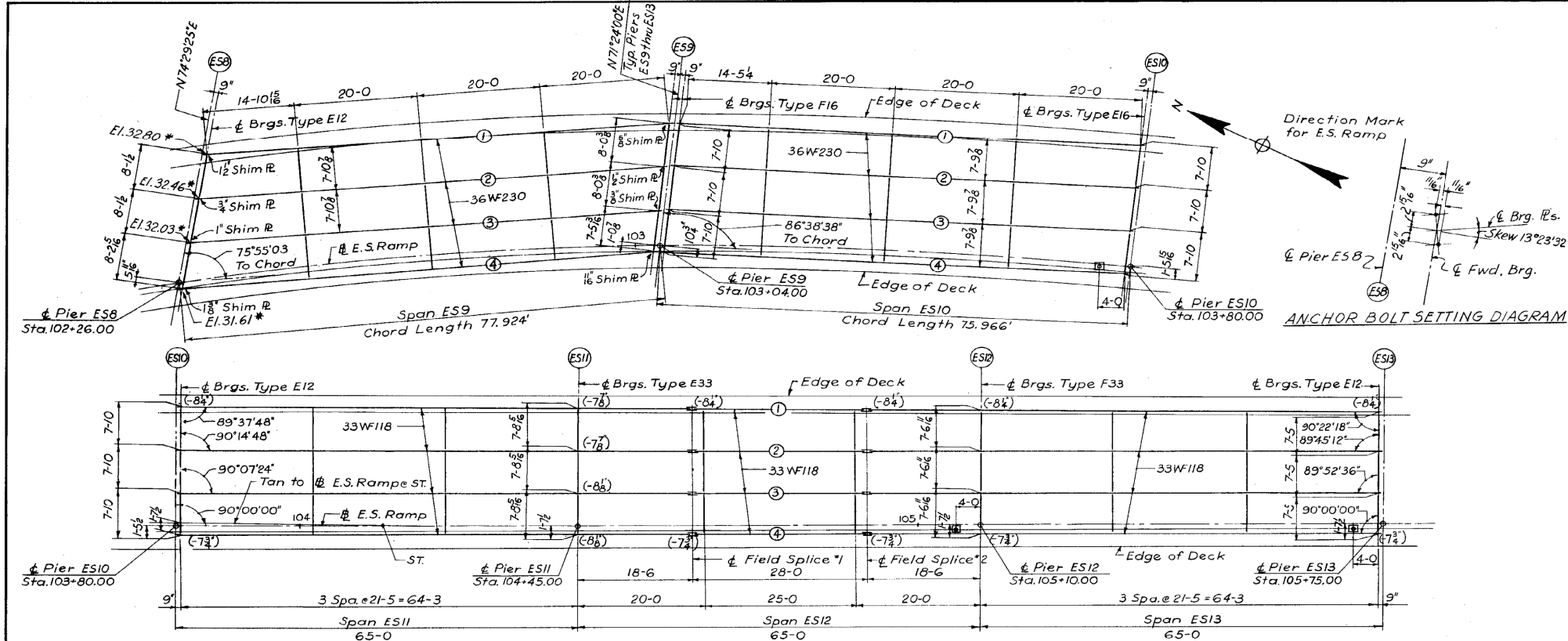
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 129 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	446
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

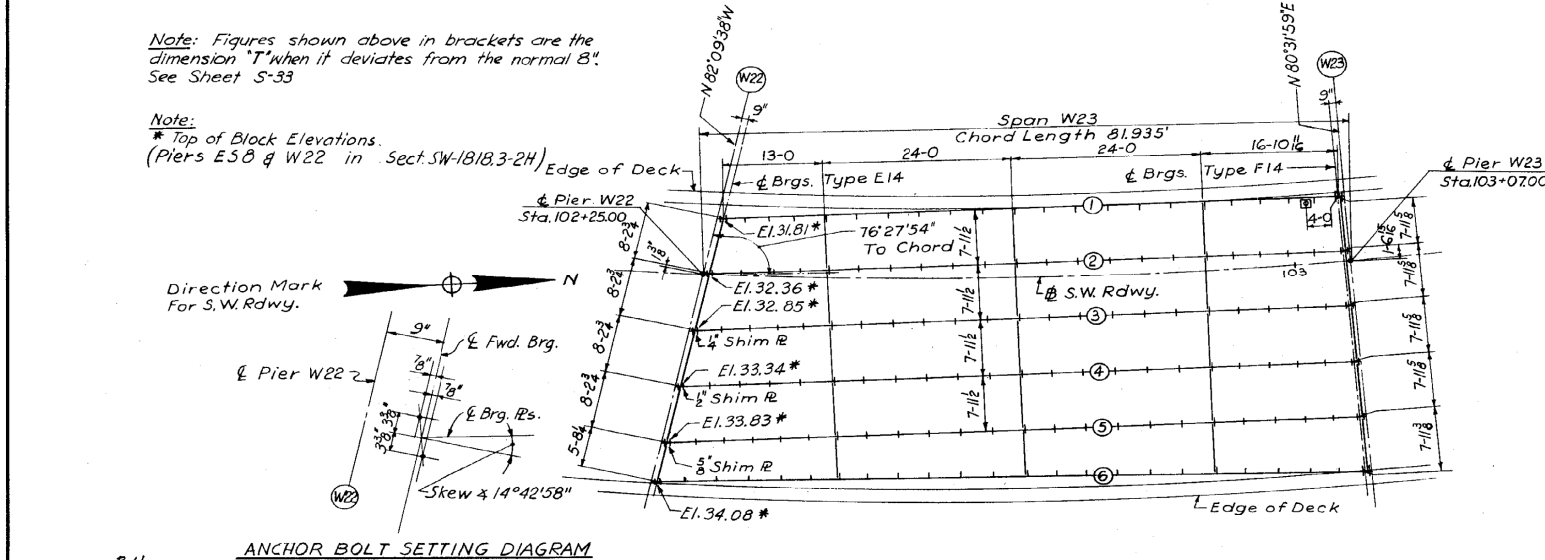
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	81
F. A. I. - 55	SW-1818.6-2P	COOK	395	2
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)		



STRUCTURAL STEEL NOTES

- ALL FURNISHING, FABRICATING, TRANSPORTING, ERECTING AND PAINTING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 54 AND 56 OF THE STANDARD SPECIFICATIONS.
- BEARING AND SPLICE NOTES:**
- ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED, REAMED AND MATCH-MARKED FOR SHIPMENT WHILE THE MEMBERS ARE SHOP ASSEMBLED IN PROPER ALIGNMENT, WITH OR WITHOUT DIAPHRAGMS. ALL GIRDER FIELD SPLICES SHALL BE SUB-PUNCHED 1 1/16" AND REAMED TO 15/16" FOR 7/8" BOLTS.
- ALL GIRDERS SHALL BE ERECTED FULL LENGTH IN THE SHOP BEFORE REAMING AND INSPECTION.
- ALL FIELD CONNECTIONS SHALL BE MADE WITH 3/4" OR 7/8" HIGH STRENGTH BOLTS AS INDICATED.
- STRUCTURAL STEEL SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT. PARTS INACCESSIBLE AFTER ERECTION SHALL HAVE TWO SHOP COATS OF RED LEAD PAINT. FOR ADDITIONAL SHOP AND FIELD PAINT COATS, SEE THE SPECIAL PROVISIONS.
- ALL ROCKERS, BOLSTERS, BEARING PLATES, LEAD PLATES, PINTLES, ANCHOR BOLTS AND SPLICES SHALL BE FABRICATED, SET AND FINISHED IN ACCORDANCE WITH ARTICLE 54.5 OF THE STANDARD SPECIFICATIONS. THESE ITEMS ARE INCLUDED IN THE WEIGHT OF STRUCTURAL STEEL.
- SPLICE PLATES TO BE MATCH-MARKED FOR SHIPMENT.
- ANCHOR BOLTS SHALL BE SET IN ACCORDANCE WITH CHECKED SHOP DRAWINGS BEFORE BOLTING DIAPHRAGMS OVER PIERS.
- FINISHED SURFACES OF BEARING DEVICES SHALL BE TREATED WITH ANTI-RUST COMPOUND BEFORE SHIPMENT AS STATED IN ARTICLE 56.4 OF THE STANDARD SPECIFICATIONS.

ANCHOR BOLT SETTING DIAGRAM



Note: Figures shown above in brackets are the dimension 'T' when it deviates from the normal 'B'. See Sheet S-33

Note: * Top of Block Elevations. (Piers ES9 & W22 in Sect. SW-1818.3-2H)

- NOTES:**
- Rows of intermediate cross frames or diaphragms shall be placed perpendicular to the girder or WF beam along which they are spaced.
 - Intermediate stiffeners, in the numbers shown on the Framing Plans, shall be placed at approximately equal intervals between cross frames but with maximum spacing equal to the web plate depth.
 - - denotes Floor Drain Location. For details see G drawings For Girder Schedule see Sh. S-42

BILL OF MATERIAL

ITEM	UNIT	AMOUNT
Beams and Details	Lbs.	277,522
Girders & Details	Lbs.	93,776
Shear Connector Studs	Lbs.	5,356
Bearings	Lbs.	10,742
Expansion Guard	Lbs.	7,709
STRUCTURAL STEEL TOTAL FOR PLAN	Lbs.	395,105

DESIGNED BY: B.H.
 DRAWN BY: B.B.
 CHECKED BY: B.H.
 APPROVED BY: K.A.

ANCHOR BOLT SETTING DIAGRAM

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANG
 SECTION SW-1818.6-2P
FRAMING PLAN - E-S RAMP & S-W RD
 SCALE: 1"=10'-0" APR. 1
 SHEET NO. S-30 OF 395 SHEETS

1616290244

324-60L70_As-Builts.dgn



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PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

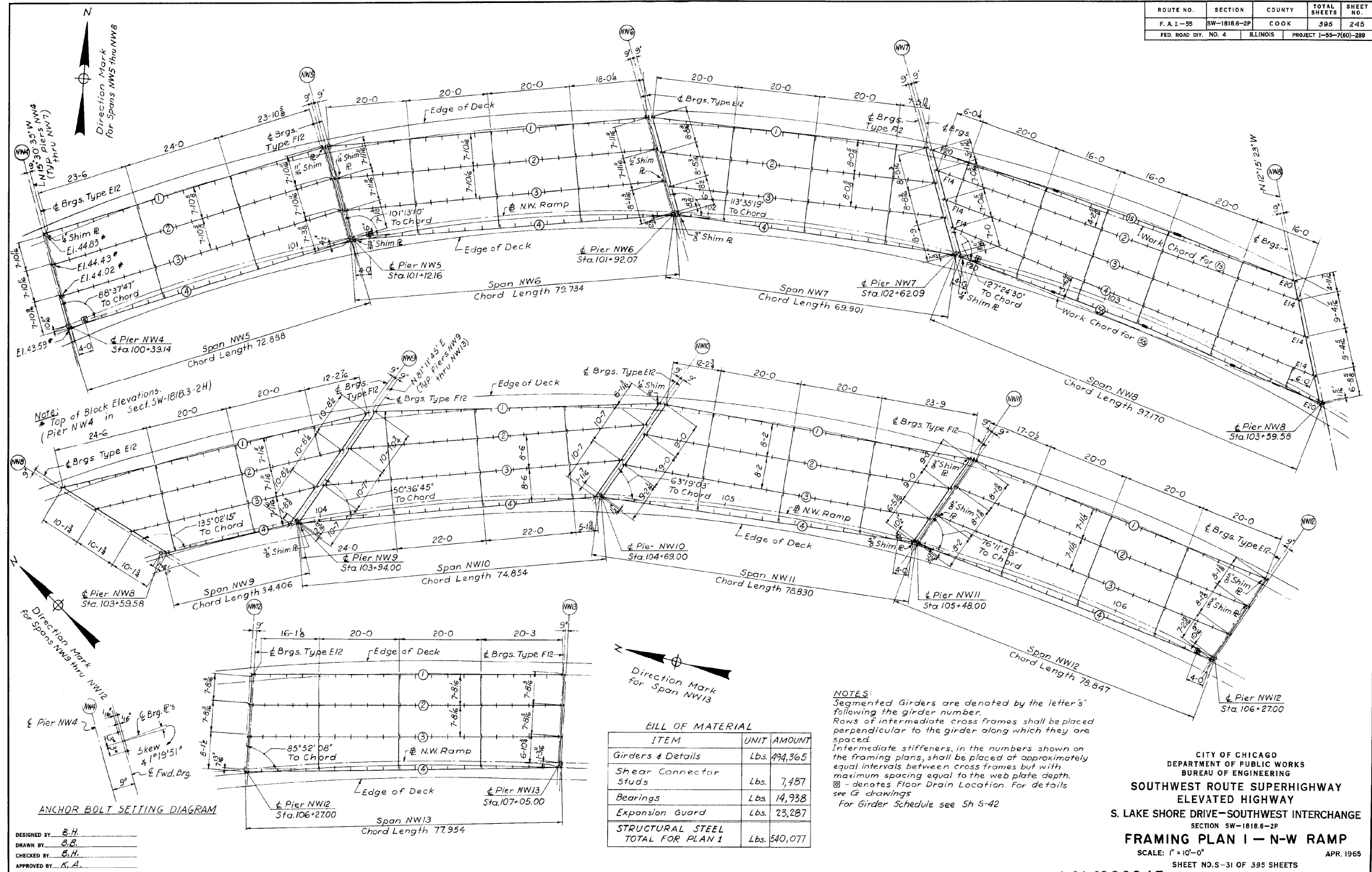
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 130 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	447
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-35	SW-1818.6-2P	COOK	395	245
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-35-7(60)-289		



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CITY OF CHICAGO
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**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
FRAMING PLAN I - N-W RAMP
 SCALE: 1" = 10'-0"
 APR. 1965
 SHEET NO. S-31 OF 395 SHEETS

325-60L70_As-Builts.dgn



USER NAME =	ayueungh	DESIGNED -	B.H.	REVISED -	
PLOT SCALE =		CHECKED -	B.E.	REVISED -	
PLOT DATE =	11/11/2014	DRAWN -	HAY	REVISED -	
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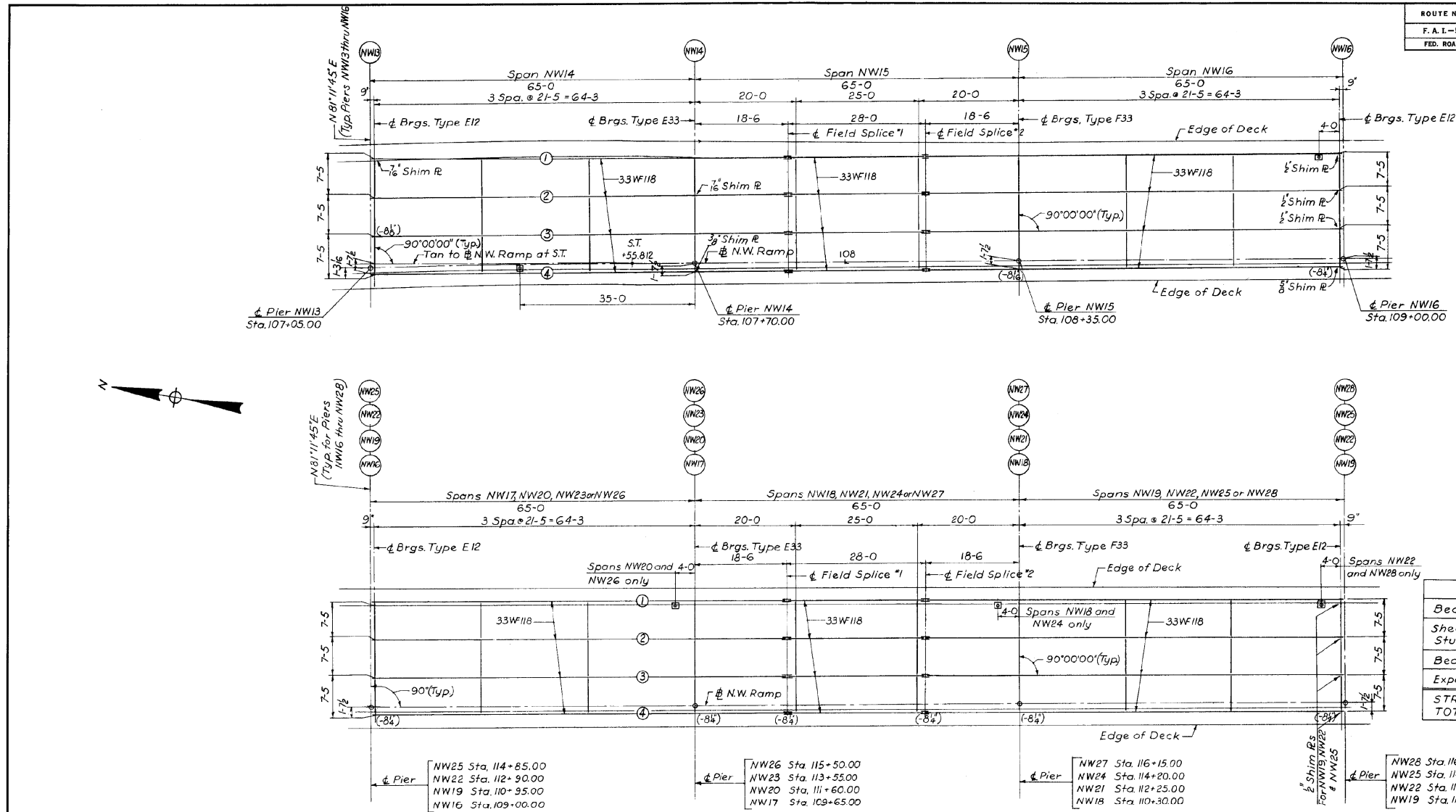
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 131 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	448
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. L-55	SW-1818.6-2P	COOK	395	246
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



BILL OF MATERIAL		
ITEM	UNIT	AMOUNT
Beams & Details	Lbs.	565,776
Shear Connector	Lbs.	9,007
Studs	Lbs.	21,846
Bearings	Lbs.	15,796
Expansion Guard	Lbs.	15,796
STRUCTURAL STEEL TOTAL FOR PLAN 2	Lbs.	612,425

NOTES:
 □ - denotes Floor Drain Location.
 For details see G drawings
 Figures shown in brackets are the dimension "T", when it deviates from the normal "B". See Sheet S-33.

CITY OF CHICAGO
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 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
FRAMING PLAN 2 - N-W RAMP
 SCALE: 1"=10'-0"
 APR. 1965
 SHEET NO. 5-32 OF 395 SHEETS

DESIGNED BY B.H.
 DRAWN BY B.G.
 CHECKED BY B.H.
 APPROVED BY K.A.

1616290246

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USER NAME =	ouyeungh
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PLOT SCALE =	
PLOT DATE =	11/11/2014

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CHECKED -		REVISED -	
DRAWN -	HAY	REVISED -	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 132 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	449
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I-55	SW-1818-2P	COOK	395	247
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT I-55-7(60)-289	

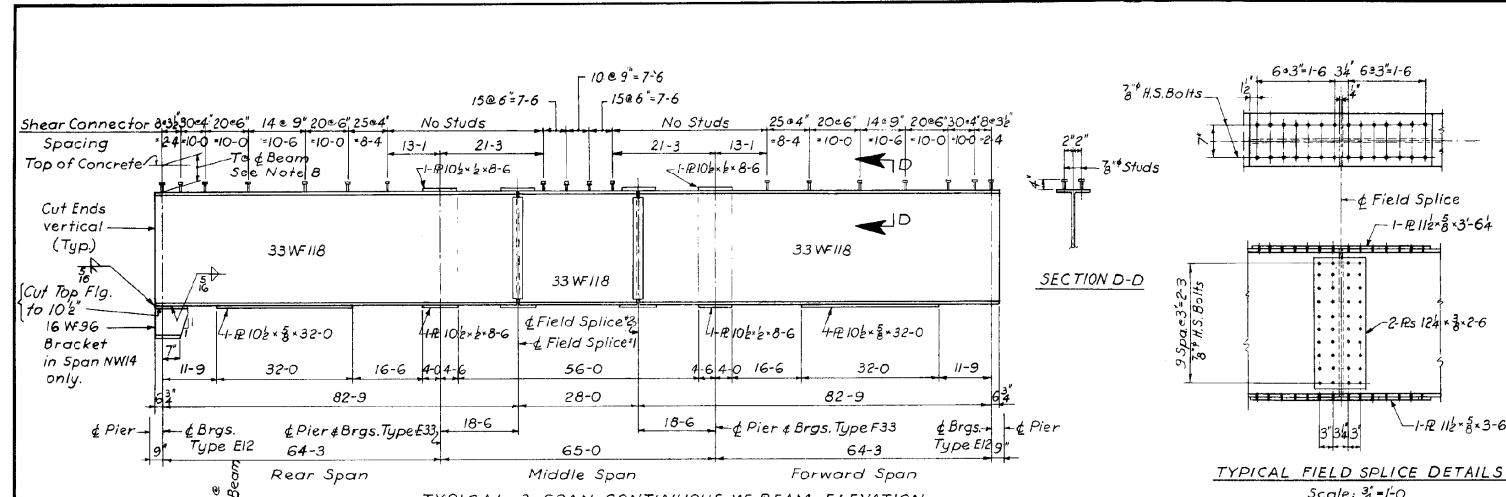
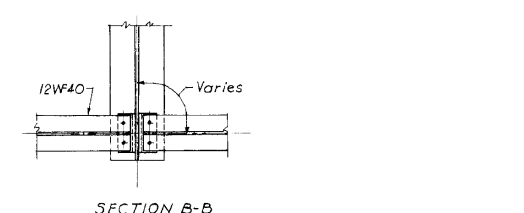
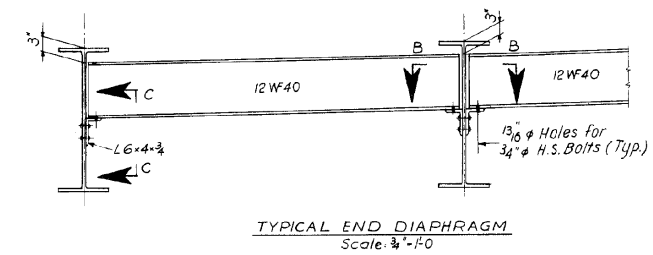
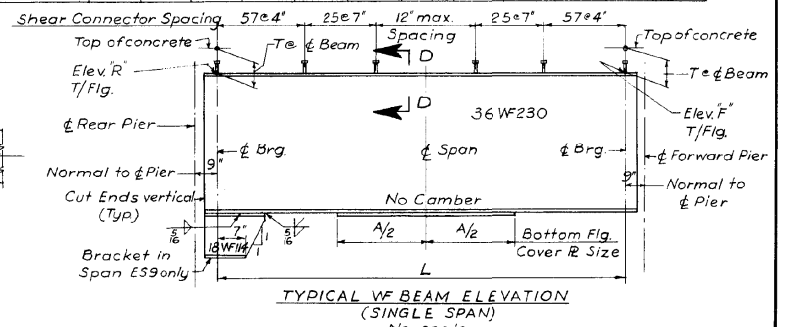
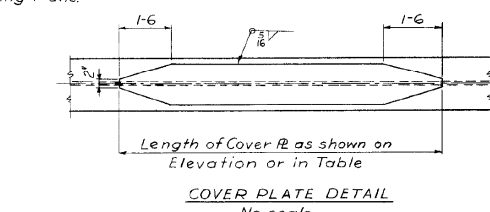
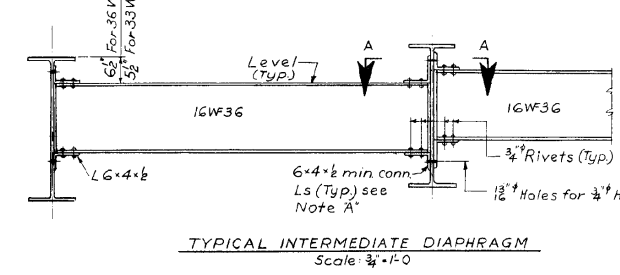
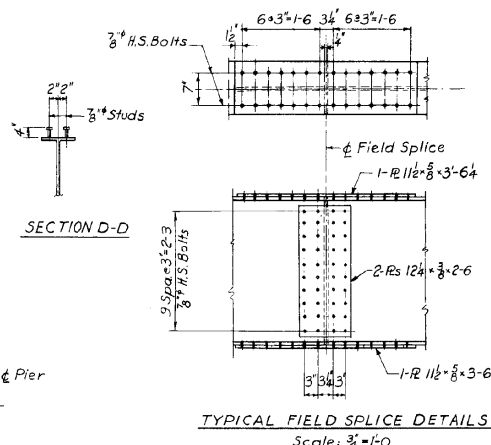


TABLE OF TOP OF FLANGE ELEVATIONS FOR CONTINUOUS BEAMS

Reference Beam Line	Pier		Splice		Pier		Splice		Pier		Splice		Pier	
	ES10	ES11	#1	#2	ES12	ES13	NW13	NW14	#1	#2	NW15	NW16	#1	#2
1	32.316	29.618	28.841	27.718	26.976	24.397	47.994	45.906	45.307	44.398	43.861	41.998		
2	32.079	29.468	28.709	27.587	26.845	24.270	47.874	45.743	45.307	44.540	44.009	42.146		
3	31.820	29.286	28.556	27.435	26.694	24.121	47.743	45.580	45.469	44.695	44.158	42.294		
4	31.583	29.130	28.424	27.304	26.564	23.994	47.631	46.016	45.551	44.843	44.302	42.422		

Reference Beam Line	Pier		Splice		Pier		Splice		Pier		Splice		Pier	
	NW16	NW17	#1	#2	NW18	NW19	NW20	#1	#2	NW21	NW22	#1	#2	
1	40.091	39.553	38.743	38.206	36.343	36.299	34.436	33.900	33.088	32.551	30.688			
2	42.103	40.239	39.703	38.851	38.354	36.491	36.448	34.584	34.048	33.236	32.699	30.836		
3	42.251	40.388	39.851	39.039	38.503	36.639	36.596	34.733	34.196	33.384	32.848	30.984		
4	42.378	40.515	39.979	39.167	38.630	36.767	36.723	34.860	34.324	33.512	32.975	31.112		

Reference Beam Line	Pier		Splice		Pier		Splice		Pier		Splice		Pier	
	NW23	NW24	#1	#2	NW25	NW26	NW27	#1	#2	NW28	NW29	#1	#2	
1	30.644	28.781	28.245	27.433	26.896	25.033	24.989	23.126	22.590	21.778	21.241	19.378		
2	30.793	28.929	28.393	27.581	27.044	25.181	25.138	23.274	22.738	21.926	21.389	19.526		
3	30.941	29.078	28.541	27.729	27.193	25.329	25.286	23.423	22.886	22.074	21.538	19.674		
4	31.068	29.205	28.669	27.857	27.320	25.457	25.413	23.550	23.014	22.202	21.665	19.802		



SCHEDULE FOR SINGLE SPAN WF BEAMS

Span	Beam	L	Bottom Cover Plate			D.L. Deflection Ordinates			Bearing at Rear Pier			Bearing at Forward Pier				
			Section	A	B	C	Elev. R'	α	Bearing Type	Dim. T	Elev. F'	β	Bearing Type	Dim. T		
ES 9	1	74-10 1/2	R 15' x 5'	47-0	5' 1/2	1'	7' 1/2	37.864	76'36'28"	E12	8'	35.664	79'41'53"	F16	8'	
	2	75-44		48-3	5' 1/2	1'	7' 1/2	37.456	76'36'28"	E12	8'	35.217	79'41'53"	F16	8'	
	3	75-9 3/8		48-9	5' 1/2	1'	7' 1/2	37.050	76'36'28"	E12	8'	34.772	79'41'53"	F16	8'	
ES 9	4	76-4 1/2	R 15' x 5'	48-0	5' 1/2	1'	7' 1/2	36.662	76'07'10"	E12	7 1/2"	34.381	79'12'35"	F16	7 1/2"	
	ES10	1	74-5 1/2	R 15' x 5'	48-0	5' 1/2	1'	7' 1/2	35.611	87'12'37"	F16	8'	32.402	87'12'37"	E16	8'
		2	74-5 1/2	R 15' x 5'	46-3	5' 1/2	1'	7' 1/2	35.174	87'12'37"	F16	8'	32.140	87'12'37"	E16	8'
ES10	3	74-5 1/2	R 15' x 5'	46-3	5' 1/2	1'	7' 1/2	34.739	87'12'37"	F16	8'	31.878	87'12'37"	E16	8'	
	4	74-5 1/2	R 15' x 5'	48-0	5' 1/2	1'	7' 1/2	34.325	87'12'37"	F16	7 1/2"	31.636	87'12'37"	E16	7 1/2"	

TABLE OF DEFLECTIONS ALL CONTINUOUS WF BEAMS

POINT	A	B	C	D	E
Deflection due to wt of steel as	1' 1/8"	1' 1/16"	0"	0"	0"
Deflection due to wt of concrete	3' 1/8"	1' 1/16"	3' 1/16"	1' 1/16"	1' 1/16"

"-" indicates upward deflection.

DESIGNED BY: B.H.
 DRAWN BY: B.B.
 CHECKED BY: B.H.
 APPROVED BY: K.A.

DEFLECTION DIAGRAMS

NOTE: Above deflections shall not be used in the field if the Engineer is working from Theoretical Grade Elevations adjusted for Dead Load Deflection.

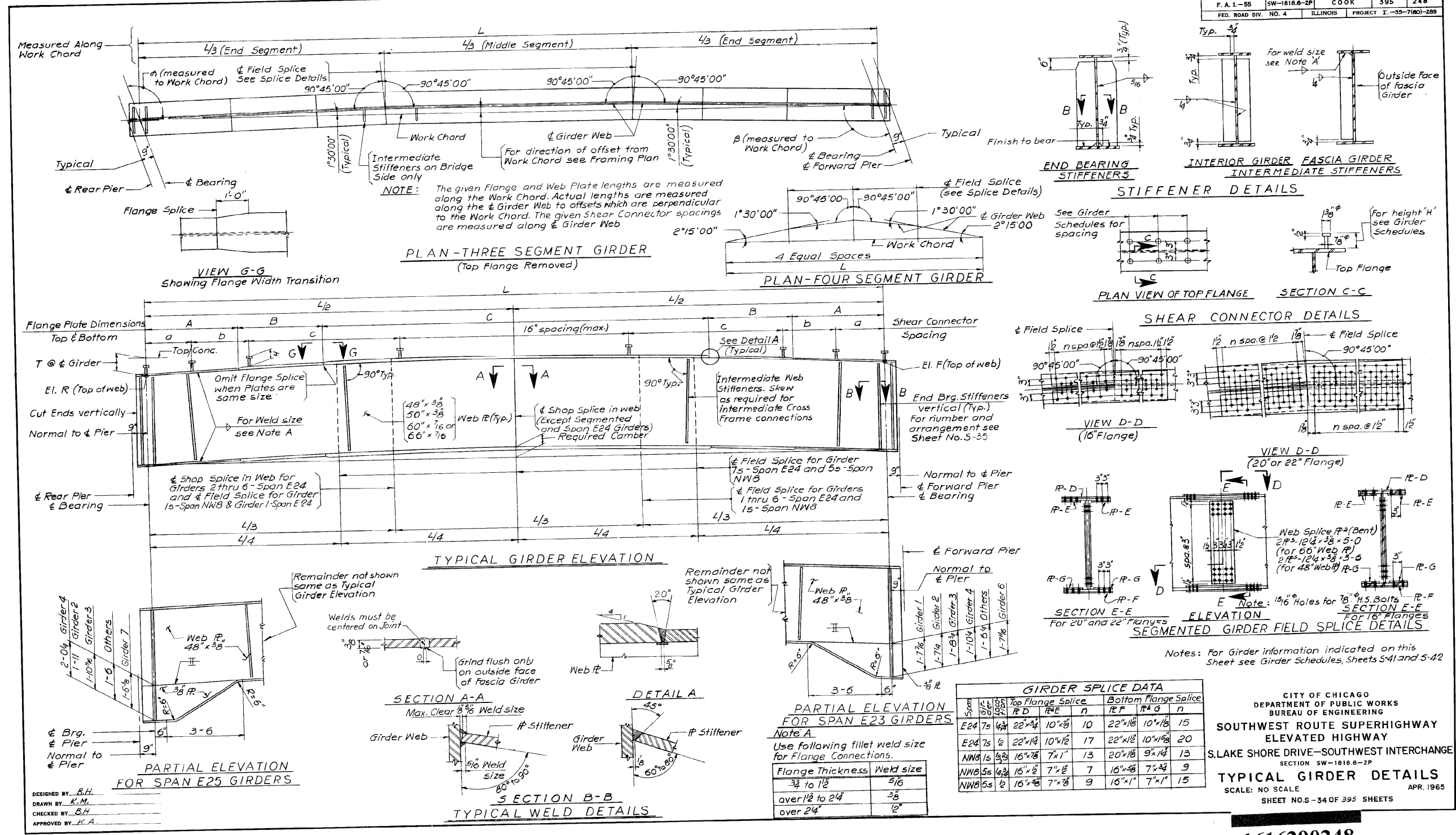
CITY OF CHICAGO
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 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
WF BEAM SCHEDULE AND DETAILS
 SCALE: AS NOTED
 SHEET NO. S-33 OF 395 SHEETS

1616290247

327-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	248
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT I.-55-7(60)-289	



DESIGNED BY B.H.
DRAWN BY K.M.
CHECKED BY S.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S.LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
TYPICAL GIRDER DETAILS
SCALE: NO SCALE
SHEET NOS-34 OF 395 SHEETS
APR. 1965

1616290248



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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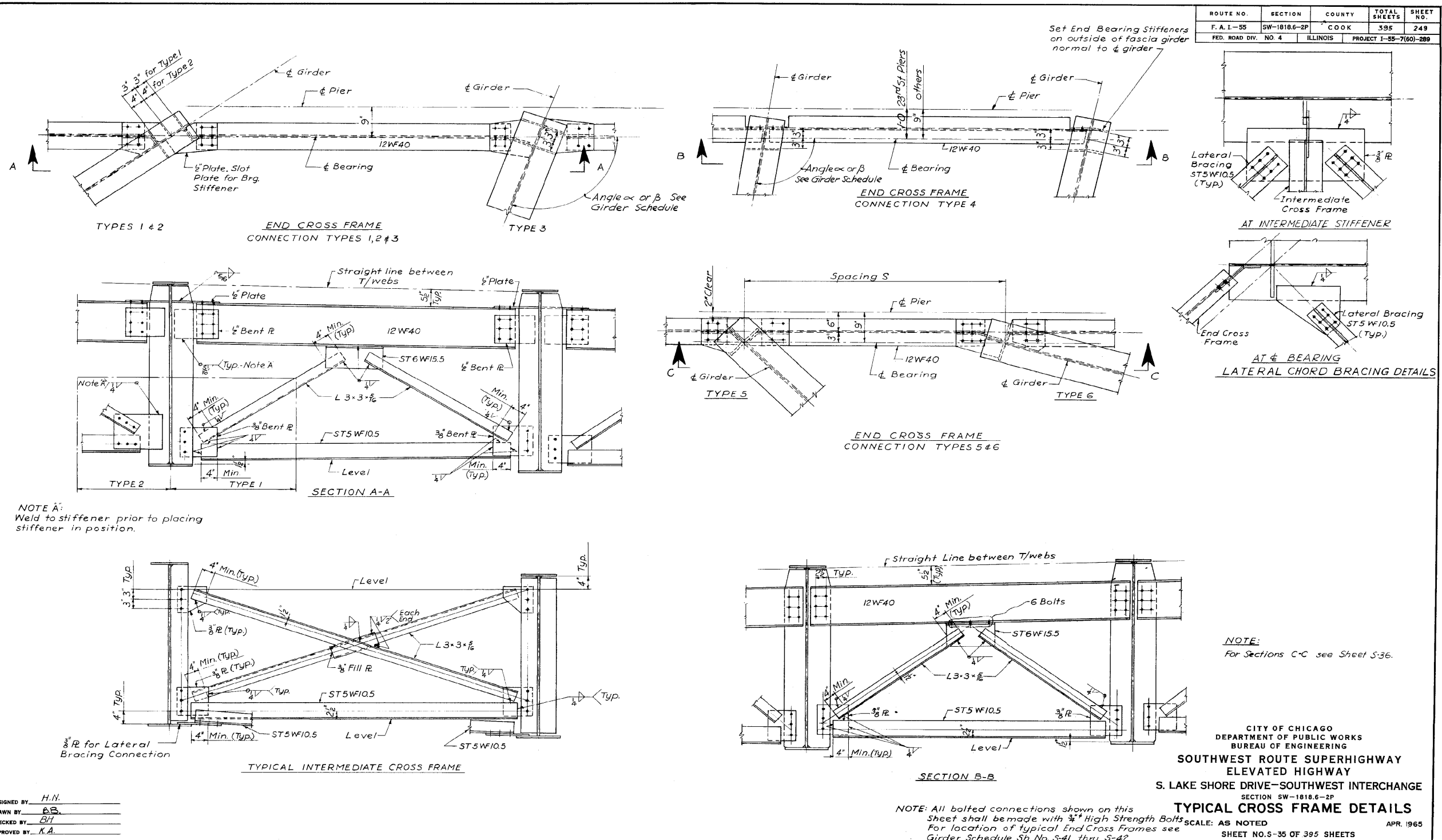
AS-BUILTS
SHEET NO. 134 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	451
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	249
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



DESIGNED BY H.N.
 DRAWN BY AB
 CHECKED BY BH
 APPROVED BY K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE**
 SECTION SW-1818.6-2P
TYPICAL CROSS FRAME DETAILS
 SCALE: AS NOTED
 SHEET NO. 5-35 OF 395 SHEETS
 APR. 1965

1616290249

329-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

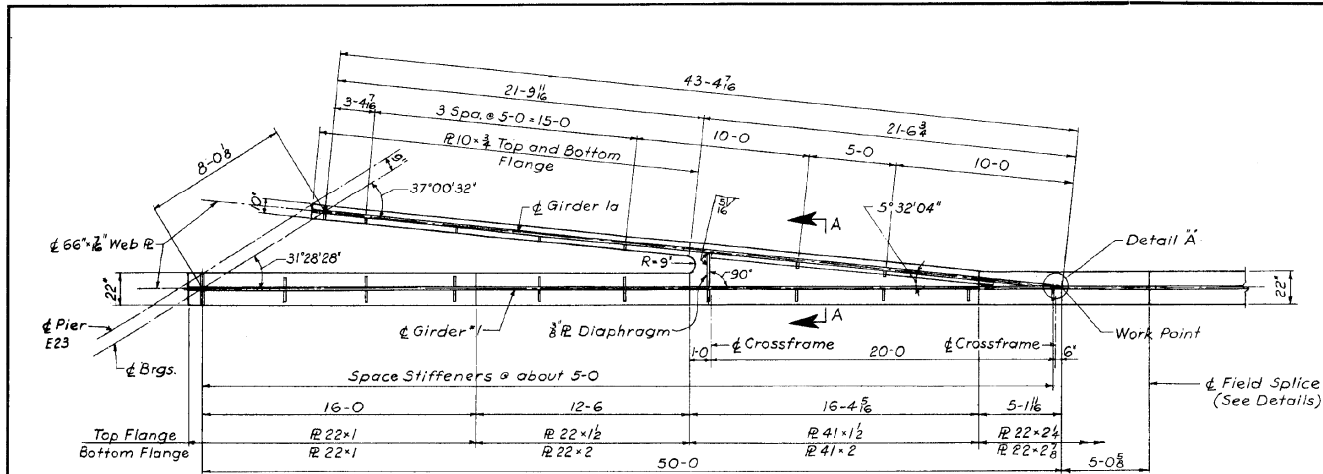
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 135 OF 174 SHEETS

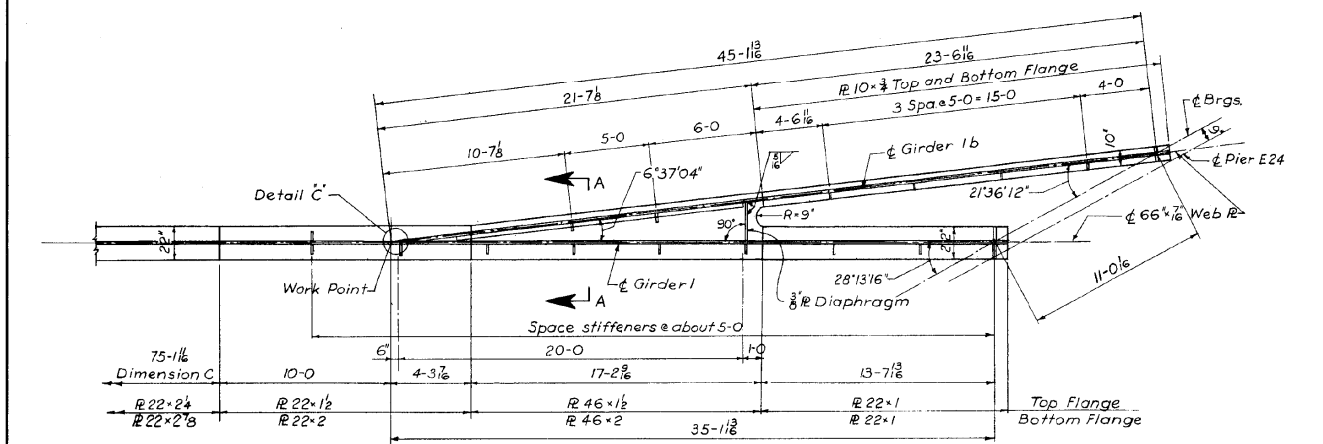
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	452
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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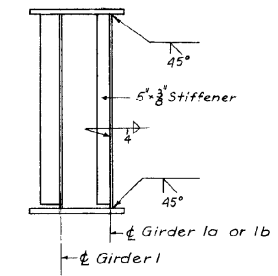
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818-2P	COOK	395	250
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-(60)-289		



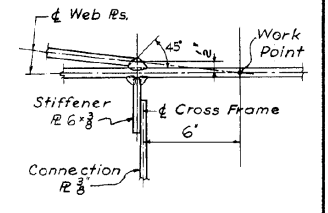
PLAN OF SPAN E24 GIRDER 1a
(Top Flange Removed)
Scale 1/4"=1'-0"



PLAN OF SPAN E24 GIRDER 1b
(Top Flange Removed)
Scale 1/4"=1'-0"

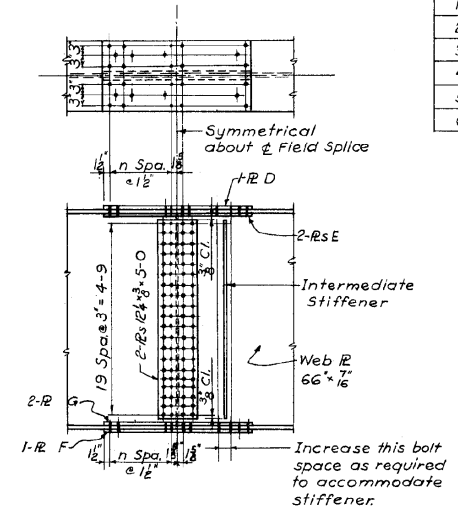


SECTION A-A
Scale: 1/2"=1'-0"

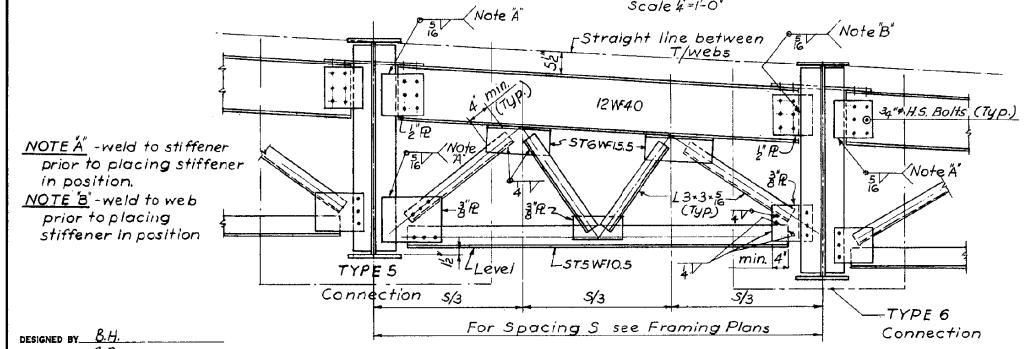


DETAIL A' As Shown
DETAIL C' Opposite Hand

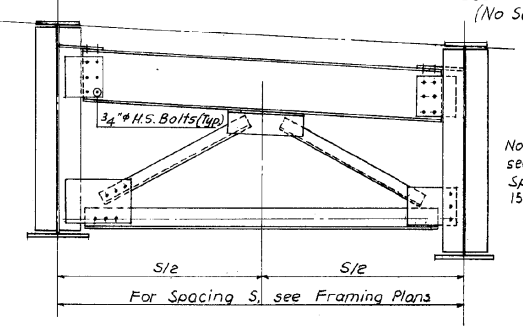
Girder	Top Flange Splice			Bottom Flange Splice		
	Plate D	Plate E	n	Plate F	Plate G	n
1	22' x 16"	10' x 18"	15	22' x 16"	10' x 18"	20
2	22' x 8"	10' x 1	12	22' x 14"	10' x 1 1/2"	17
3	22' x 8"	10' x 1	12	22' x 14"	10' x 1 1/2"	17
4	22' x 3"	10' x 3/8"	10	22' x 16"	10' x 1 1/2"	15
5	20' x 3"	9' x 7/8"	9	20' x 14"	9' x 1 1/2"	15
6	20' x 2"	9' x 5/8"	6	20' x 1	9' x 1 1/2"	12



FIELD SPLICE DETAILS
For Span E24 Girders 1 thru 6
See Note 5-30
(No Scale)



SECTION C-C
(With Spacing S greater than 15'-0")



SECTION C-C
(With Spacing S less than 15'-0")

NOTE A - weld to stiffener prior to placing stiffener in position.
NOTE B - weld to web prior to placing stiffener in position.

DESIGNED BY B.H.
DRAWN BY B.B.
CHECKED BY B.H.
APPROVED BY K.A.

Note: For details omitted see Section C-C with Spacing S greater than 15'-0"

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
GIRDER AND CROSS FRAME DETAILS
SCALE: AS NOTED APR. 1965
SHEET NO. 8-36 OF 395 SHEETS

1616290250

330-60L70...As-Built.s.dgn



USER NAME = auyeungh
DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
PLOT SCALE =
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
REVISOR -
REVISION -
REVISION -
REVISION -

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
REVISOR -
REVISION -
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REVISION -

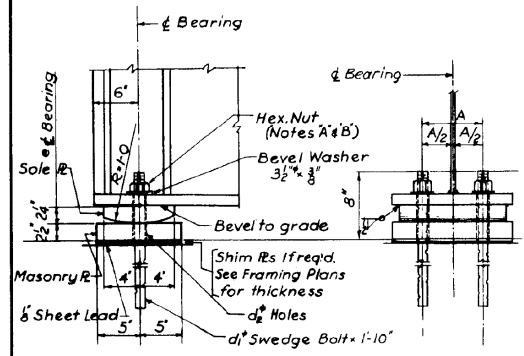
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 136 OF 174 SHEETS

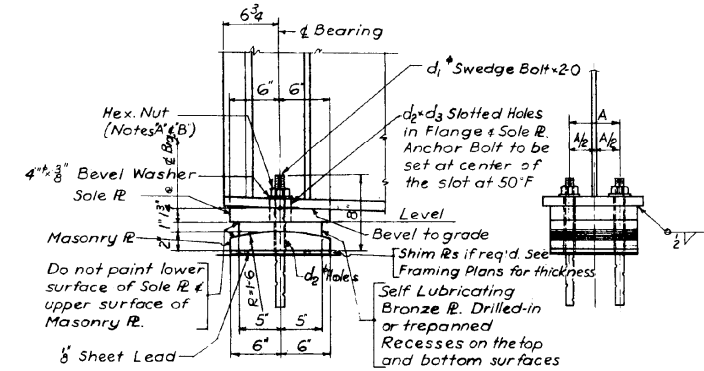
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	453
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.L-35	SW-1818-2P	COOK	395	251
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-35-7(60)-288		



FIXED BEARING TYPE F
(See Table for Additional Dimensions)



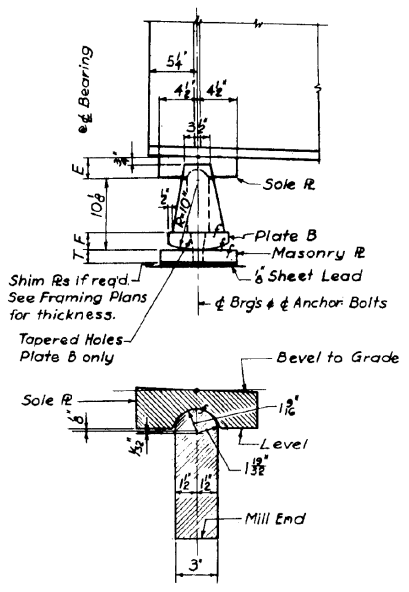
EXPANSION BEARING TYPE E
(See Table for Additional Dimensions)

FIXED BEARING TYPE F TABLE

Mark	Total	Sole R	Masonry R	Lead R	A	d1	d2
F12	37	8' 2 1/4" x 0' 10 1/2"	10' x 2 1/2" x 1' 0"	10' x 8' x 1' 0"	6'	1 1/4"	1 3/8"
F14	16	8' x 2 1/4" x 1' 0"	10' x 2 1/2" x 1' 2"	10' x 8' x 1' 2"	7'	1 1/4"	1 3/8"
F16	47	8' x 2 1/4" x 1' 1"	10' x 2 1/2" x 1' 3"	10' x 8' x 1' 3"	7'	1 1/2"	1 3/8"
F20	2	8' x 2 1/4" x 1' 4"	10' x 2 1/2" x 1' 6"	10' x 8' x 1' 6"	7'	1 1/2"	1 3/8"

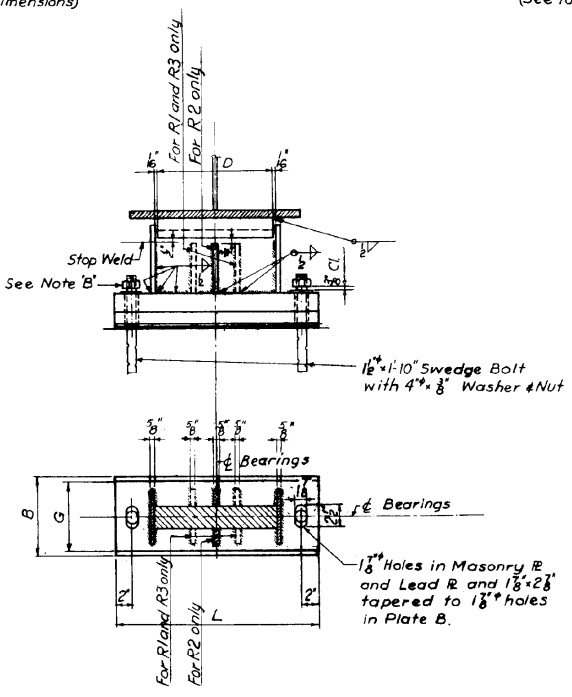
EXPANSION BEARING TYPE E TABLE

Mark	Total	Sole R	Bronze R	Masonry R	Lead R	A	d1	d2	d2 x d3
E12	84	12' x 1 3/4" x 0' 10 1/2"	10' x 1 3/4" x 0' 10 1/2"	12' x 2' x 0' 10 1/2"	12' x 8' x 0' 10 1/2"	6'	1 1/4"	1 3/8"	1 3/8" x 2 1/2"
E14	21	12' x 1 3/4" x 1' 0 1/2"	10' x 1 3/4" x 1' 0 1/2"	12' x 2' x 1' 0 1/2"	12' x 8' x 1' 0 1/2"	7'	1 1/4"	1 3/8"	1 3/8" x 2 1/2"
E16	42	12' x 1 3/4" x 1' 2"	10' x 1 3/4" x 1' 2"	12' x 2' x 1' 2"	12' x 8' x 1' 2"	7'	1 1/2"	1 3/8"	1 3/8" x 3"
E20	2	12' x 1 3/4" x 1' 6"	10' x 1 3/4" x 1' 6"	12' x 2' x 1' 6"	12' x 8' x 1' 6"	7'	1 1/2"	1 3/8"	1 3/8" x 3"

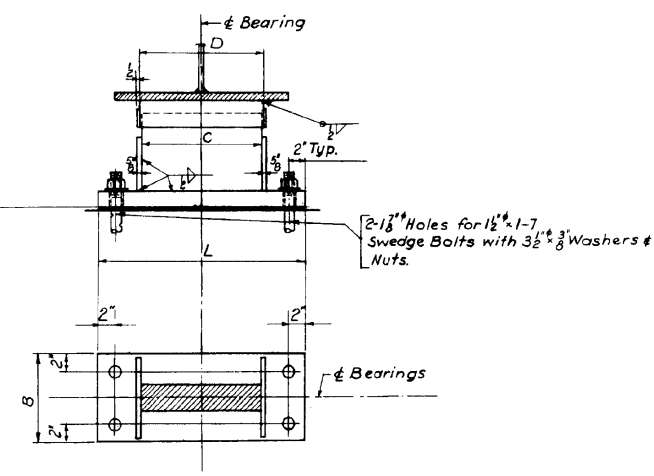
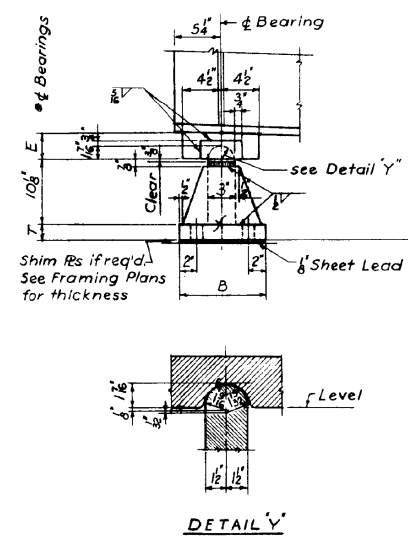


ROCKER BEARING TYPES R1, R2 & R3
(See Table below for Additional Dimensions)

Mark	Total	B	G	D	L	E	F	T
R1	7	11'	9'	1' 2"	2' 0"	3 1/2"	2 1/2"	2'
R2	7	9'	8'	10'	1' 8"	3"	2 1/4"	1 3/4"
R3	1	9'	8'	8'	2' 0"	3"	2 1/4"	1 3/4"



± Thickness shown is at d Bearing.



BOLSTER BEARING TYPES B1, B2 & B3
(See Table below for Additional Dimensions)

NOTES:
A. Nut shall be drawn up finger tight, then backed off 1/2 turn.
B. After nut is properly adjusted, burr off threads of bolt at face of nut with a pointed tool. Shim plates to be same width and length as bottom plates.
For location and thickness of shim plates see Sheets S-29 thru S-32

Mark	Total	B	C	D	E	L	T
B1	7	1' 0"	1' 2"	1' 2 1/4"	3 1/2"	2' 0"	2'
B2	6	11'	10'	10 1/4"	3"	1' 8"	1 3/4"
B3	1	1' 0"	8'	8 1/4"	3"	2' 0"	1 3/4"

DESIGNED BY: H.N.
DRAWN BY: B.B.
CHECKED BY: B.H.
APPROVED BY: K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
BEARING DETAILS
SCALE: AS NOTED
SHEET NO. S-37 OF 395 SHEETS
APR. 1965

1616290251

331-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

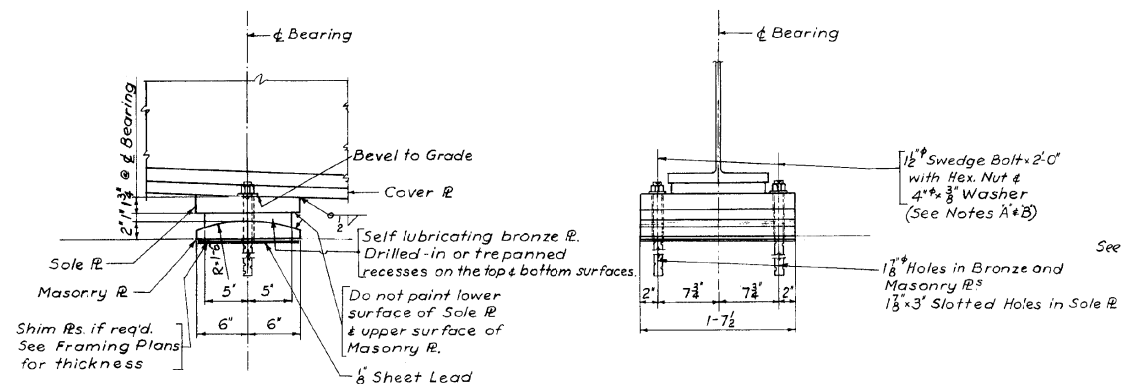
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 137 OF 174 SHEETS

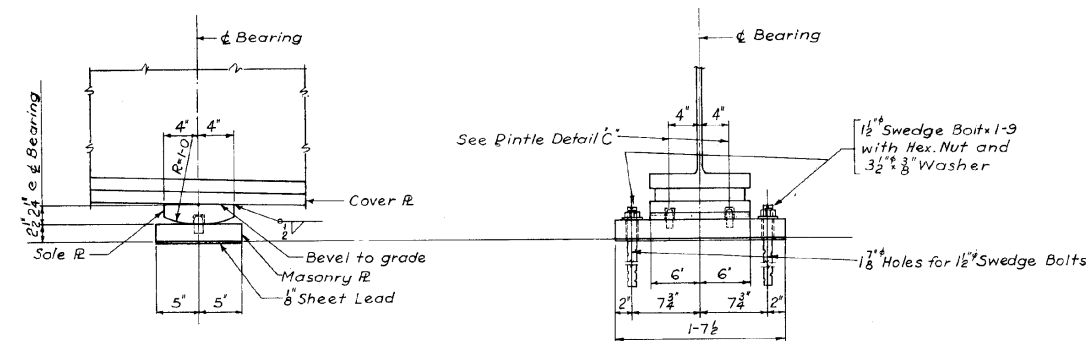
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	454
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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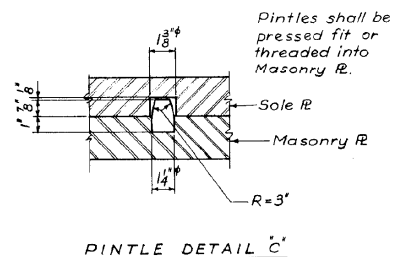
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. 1-55	SW-1818.6-2P	COOK	395	252
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



EXPANSION BEARING TYPE E33
(24 Required)

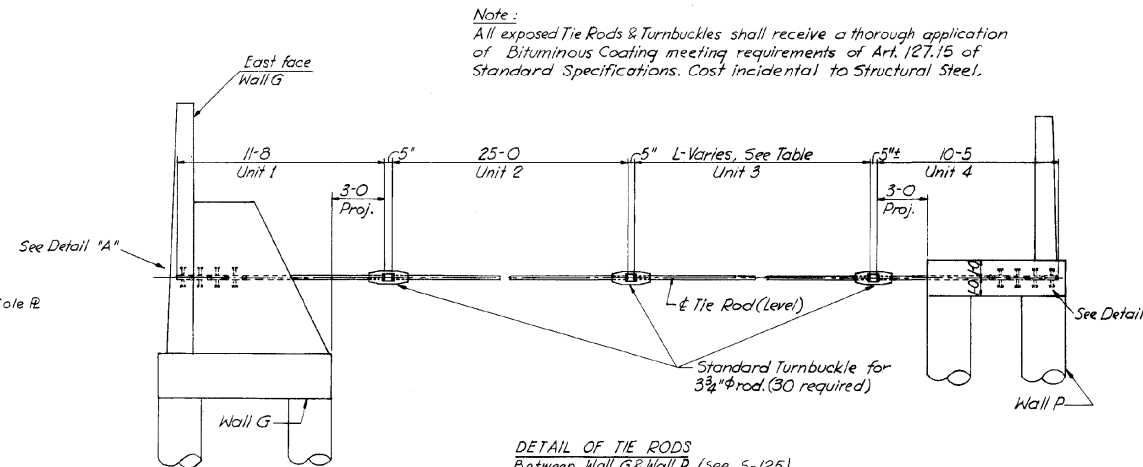


FIXED BEARING TYPE F33
(24 Required)



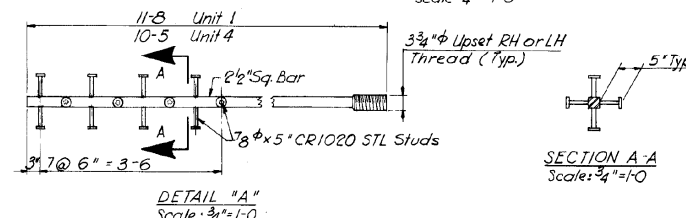
PINTLE DETAIL C

DESIGNED BY B.H.
 DRAWN BY B.B.
 CHECKED BY B.H.
 APPROVED BY K.A.



Note:
 All exposed Tie Rods & Turnbuckles shall receive a thorough application of Bituminous Coating meeting requirements of Art. 127.15 of Standard Specifications. Cost incidental to Structural Steel.

DETAIL OF TIE RODS
 Between Wall G & Wall P (See S-125)
 Scale 1/4"=1'-0"



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

Tie No.	Dimension L
1	11'-2
2	11'-0
3	12'-3
4	14'-3
5	16'-2
6	18'-1
7	19'-9
8	21'-6
9	23'-8
10	25'-3

ITEM	UNIT	AMOUNT
Structural Steel (Tie Rods)	Lbs.	16,666

NOTES:
 A. Nuts shall be drawn up finger tight, then backed off 1/2 turn.
 B. After nut is properly adjusted, burr off threads of bolt at face of nut with a pointed tool. Shim plates to be same width and length as bottom plates.
 For location and thickness of shim plates see Sheets S-29 thru S-32

CITY OF CHICAGO
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**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
BEARING AND TIE ROD DETAILS
 SCALE: AS NOTED
 SHEET NO. S-38 OF 395 SHEETS
 APR. 1965

1616290252

332-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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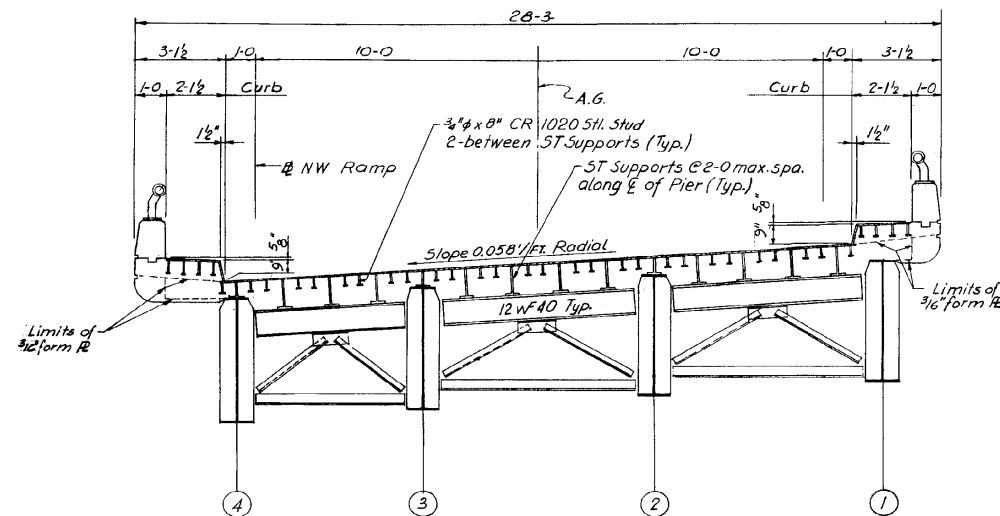
**STATE OF ILLINOIS
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AS-BUILTS
 SHEET NO. 138 OF 174 SHEETS

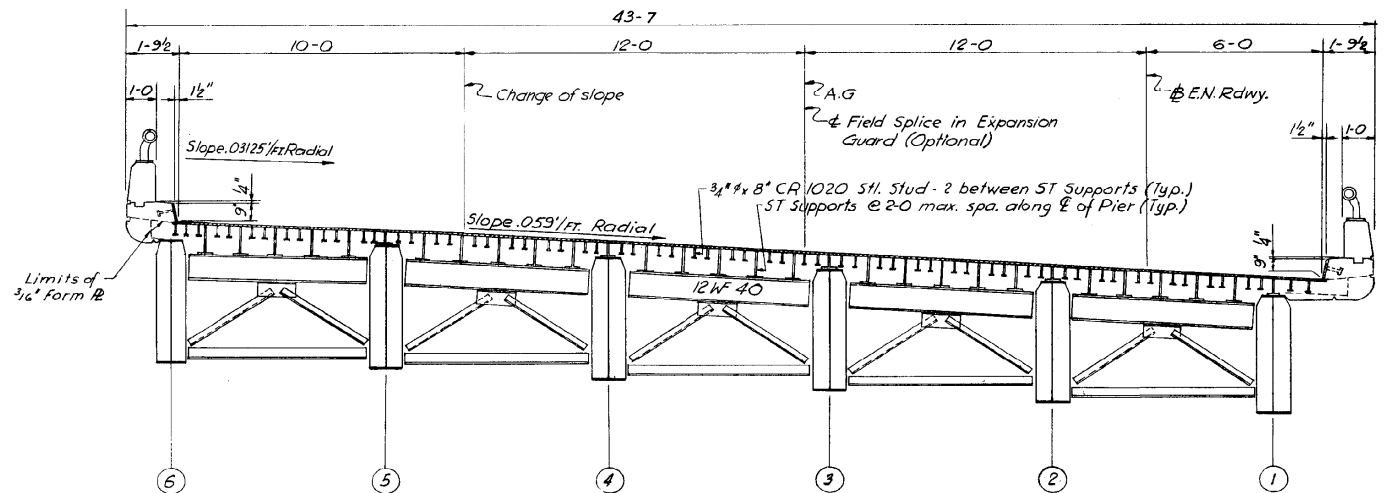
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	455
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	253
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		

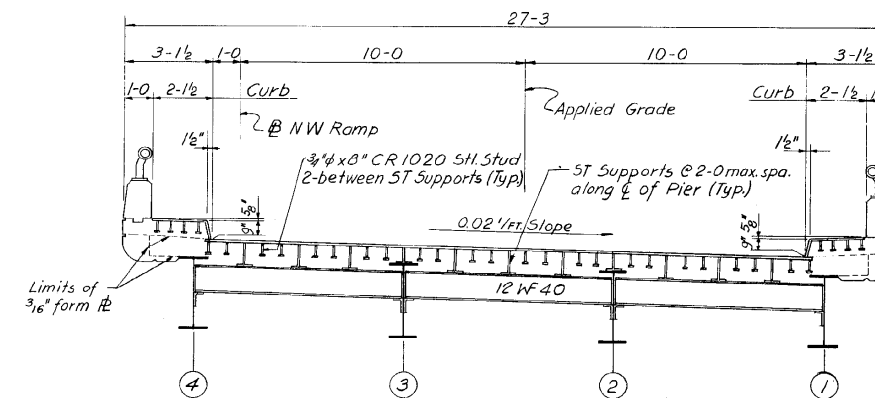


TYPICAL RAMP EXPANSION GUARD ELEVATION ON PLATE GIRDERS
PIER NW 6 SHOWN, ALL OTHERS SIMILAR



TYPICAL ROADWAY EXPANSION GUARD ELEVATION - PIER E 22 AS SHOWN
ALL OTHER EXPANSION GUARDS ON ROADWAY STRUCTURES - SIMILAR

NOTE: Dimensions Shown
are Radial Distances



TYPICAL RAMP EXPANSION GUARD ELEVATION ON WF BEAMS
PIER NW 19, ALL OTHERS SIMILAR

DESIGNED BY B.H.
DRAWN BY E.L.
CHECKED BY S.H.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
EXPANSION GUARD ELEVATIONS
SCALE: SHEET NO. 5-39 OF 395 SHEETS APR. 1965

1616290253

333-60L70_As-Builts.dgn



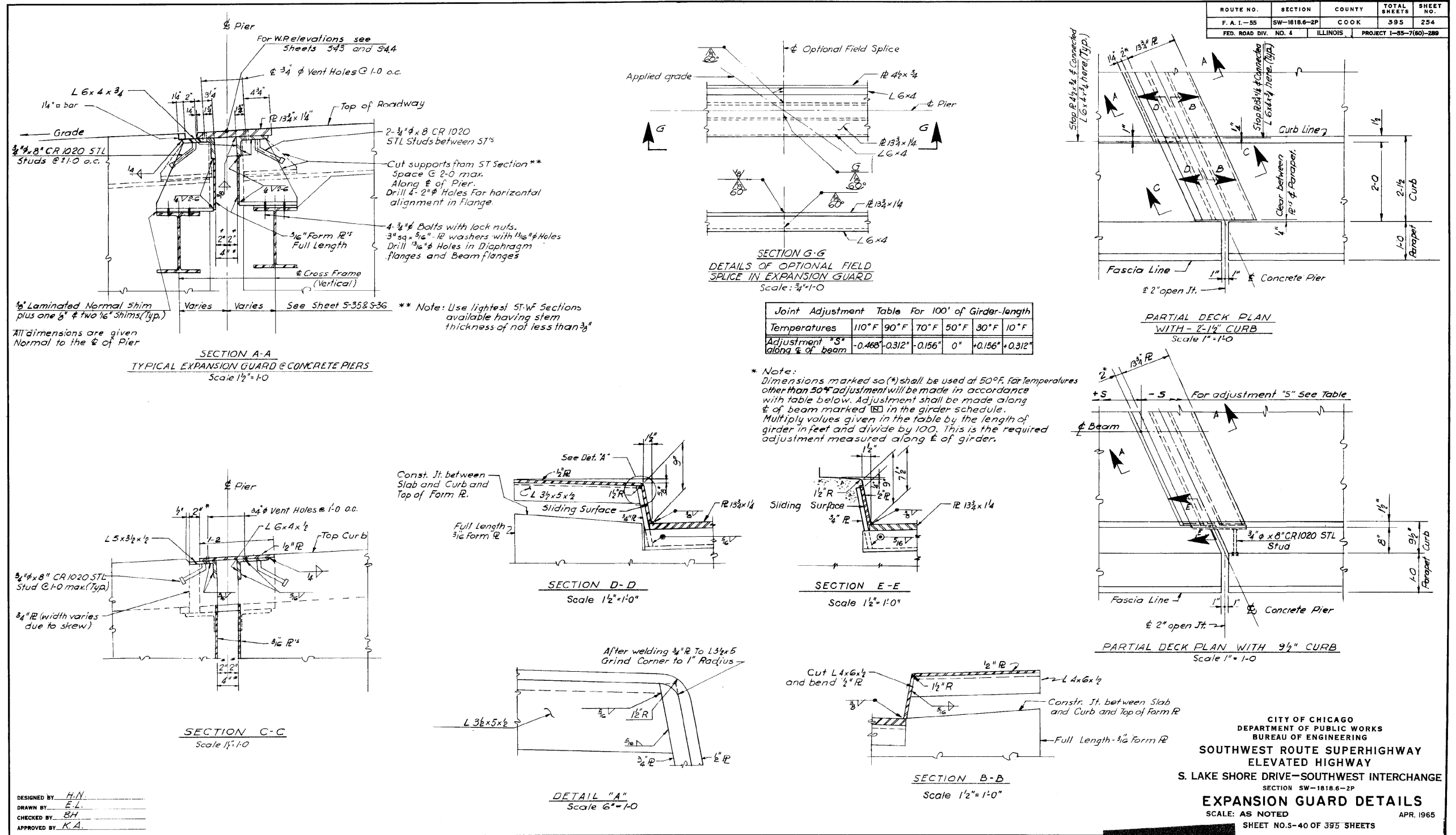
USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 139 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	456
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



1616290254

334-60L70_As-Builts.dgn

AECOM

USER NAME = auyeungh
DESIGNED - H.N.
DRAWN BY - E.L.
CHECKED BY - BH
APPROVED BY - KA
PLOT SCALE =
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 140 OF 174 SHEETS

F.A.I. R.T.E. 55
SECTION 2010-080-B
COUNTY COOK
TOTAL SHEETS 886
SHEET NO. 457
CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT

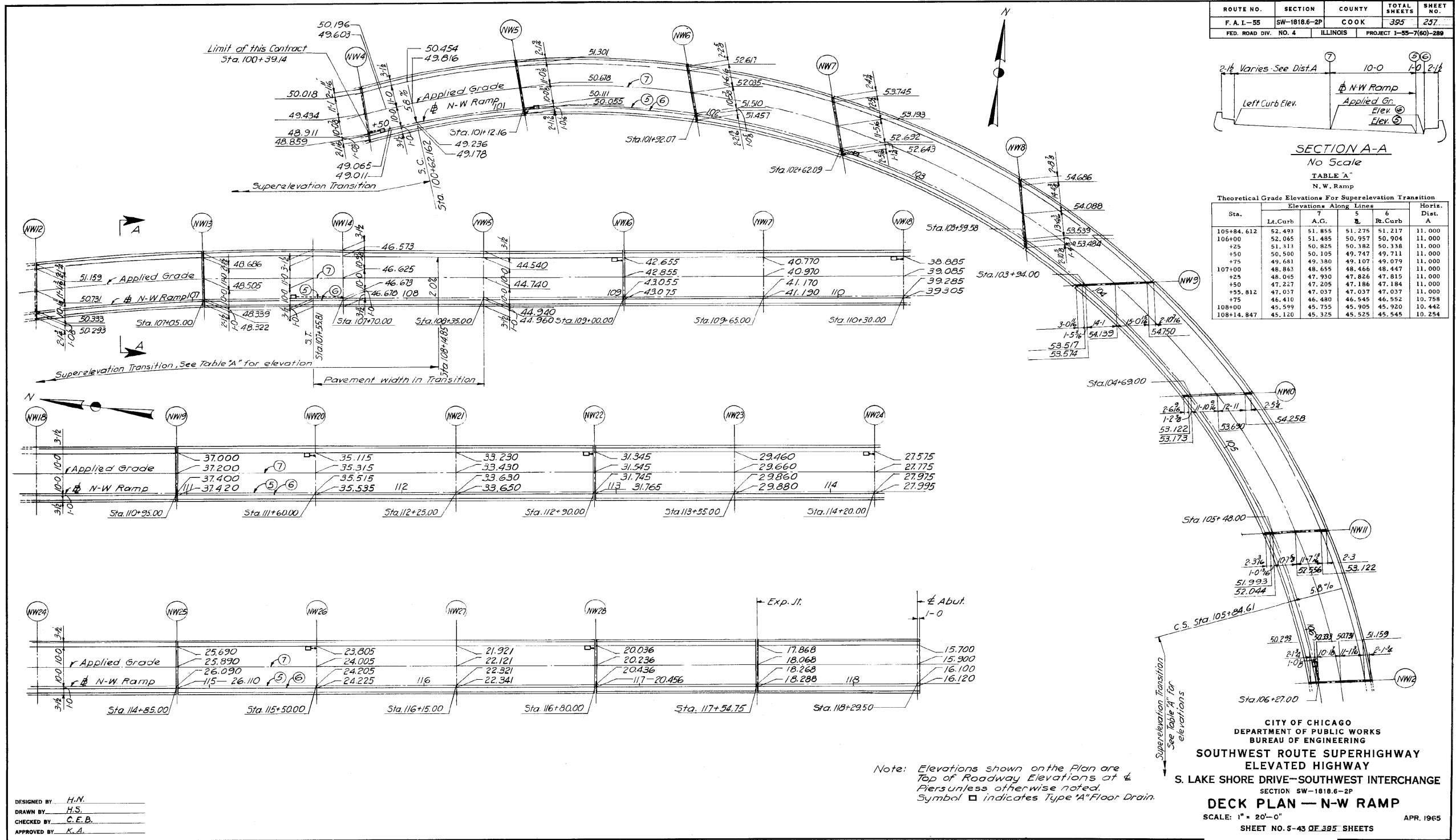
FOR INFORMATION ONLY

SPAN	GIRDER	L	WEB PL.	GIRDER DIMENSIONS				TOP FLANGE PLATES			BOTTOM FLANGE PLTS.			STIFFENERS		SHEAR CONNECTOR SPACING			STUD HEIGHT H*	DL DEFLECTION & V.C. ORDINATES				€ BEARING AT REAR PIER				€ BEARING AT FORWARD PIER				ORDER NO.					
				A	B	C	CAMBER	A	B	C	A	B	C	BRG	INT.	a	b	c		EL. R"	α	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T	EL. F"	β	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T								
				DL	V.C.	DL	V.C.	EL. R"	α	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T	EL. F"	β	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T																				
E21	1	82-11/16	48*	16-6	9-6	30-11/16	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	1"	36.410	63°09'53"	E14	1	9 1/2	34.877	63°09'53"	F14	1	9 1/2	35.461	64°19'29"	F14	1	9 1/2
	2	82-1 1/8		11-0	15-0	30-1 1/8	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	36.880	64°19'29"	E14	1	9 1/2	35.461	64°19'29"	F14	1	9 1/2	36.005	64°19'29"	F14	1	9 1/2	
	3	82-1 1/8		12-0	11-0	36-1 1/8	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	37.424	64°19'29"	E14	1	9 1/2	36.005	64°19'29"	F14	1	9 1/2	36.548	64°19'29"	F14	1	9 1/2	
	4	82-1 1/8		12-0	11-0	36-1 1/8	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	37.967	64°19'29"	E14	1	9 1/2	36.548	64°19'29"	F14	1	9 1/2	37.031	64°19'29"	F14	1	9 1/2	
	5	82-1 1/8		12-0	11-0	36-1 1/8	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	38.447	64°19'29"	E14	1	9 1/2	37.031	64°19'29"	F14	1	9 1/2	37.335	64°19'29"	F14	1	9 1/2	
E21	6	82-1 1/8	48*	13-0	11-0	34-1 1/8	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	9*12"	4"	1"	1"	38.736	64°19'29"	E14	1	9 1/2	37.335	64°19'29"	F14	1	9 1/2	38.841	53°48'09"	E16	1	10 1/2	
E22	1	94-3 3/8	48*	14-0	15-0	36-3 3/8	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	29*6"	25*8"	9*12"	5"	1 1/2	1 1/2	37.281	53°48'09"	F16	1	10 1/2	32.841	53°48'09"	E16	1	10 1/2	33.496	55°10'52"	F16	1	9 3/4	
	2	92-7 1/8		15-0	14-6	33-7 1/8	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	29*6"	24*8"	11*12"	4"	1 1/2	1 1/2	35.204	55°10'52"	F16	1	9 3/4	33.496	55°10'52"	F16	1	9 3/4	34.090	56°36'27"	F16	1	9 3/4	
	3	91-1 1/4		14-0	14-0	35-1 1/4	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	29*6"	26*8"	12*12"	5"	1 1/2	1 1/2	35.748	56°36'27"	F16	1	9 3/4	34.090	56°36'27"	F16	1	9 3/4	34.662	56°36'27"	F16	1	9 3/4	
	4	91-1 1/4		14-0	14-0	35-1 1/4	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	29*6"	26*8"	12*12"	5"	1 1/2	1 1/2	36.345	56°36'27"	F16	1	9 3/4	34.662	56°36'27"	F16	1	9 3/4	35.228	56°36'27"	F16	1	9 3/4	
	5	91-1 1/4		14-0	14-0	35-1 1/4	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	29*6"	26*8"	12*12"	5"	1 1/2	1 1/2	36.966	56°36'27"	F16	1	9 3/4	35.228	56°36'27"	F16	1	9 3/4	35.545	56°36'27"	F16	1	9 3/4	
E22	6	91-1 1/4	48*	12-0	18-0	31-1 1/4	2 1/2	12*	12*	12*	16*	16*	16*	7*	5*	36*6"	21*8"	9*12"	4"	1 1/2	1 1/2	37.281	56°36'27"	F16	1	9 3/4	35.545	56°36'27"	F16	1	9 3/4	37.281	44°37'34"	B2	5	10 1/2	
E23	1	86-2 1/8	48*	13-6	12-0	35-2 1/8	2"	10*	10*	10*	14*	14*	14*	6*	4*	34*6"	21*8"	9*12"	5"	1 1/2	1 1/2	32.800	44°37'34"	E14	2	10 1/2	31.039	44°37'34"	B2	5	10 1/2	31.794	46°18'39"	F14	1	9 1/2	
	2	83-9/16		12-0	11-0	37-9/16	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	4	1 1/2	1 1/2	1 1/2	33.400	46°18'39"	F14	1	9 1/2	31.794	46°18'39"	F14	1	9 1/2						
	3	81-4 1/2		12-0	11-0	35-4 1/2	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	4	1 1/2	1 1/2	1 1/2	33.897	48°05'44"	F14	1	9 1/2	32.447	48°05'44"	F14	1	9 1/2						
	4	81-4 1/2		12-0	11-0	35-4 1/2	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	4	1 1/2	1 1/2	1 1/2	34.535	48°05'44"	F14	1	9 1/2	33.044	48°05'44"	F14	1	9 1/2						
	5	81-4 1/2		12-0	11-0	35-4 1/2	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	40*5"	23*8"	4	1 1/2	1 1/2	1 1/2	35.149	48°05'44"	F14	1	9 1/2	33.592	48°05'44"	F14	1	9 1/2						
E23	6	81-4 1/2	48*	16-0	12-0	25-4 1/2	1 1/2	10*	10*	10*	14*	14*	14*	6*	4*	32*6"	22*8"	7*12"	4"	1 1/2	1 1/2	35.508	48°05'44"	E14	2	9 1/2	33.941	48°05'44"	B2	5	9 1/2						
E24	a	43-4 1/8	66*	-	-	43-4 1/8	0	-	-	-	-	-	-	-	-	-	-	-	6	0	0	30.921	37°00'32"	B3	5	11 3/8	-	-	-	-	-	-	-	-			
	b	45-1 1/8		-	-	45-1 1/8	0	-	-	-	-	-	-	-	-	-	-	-	6	0	0	30.921	37°00'32"	B3	5	11 3/8	-	-	-	-	-	-	-	-			
	p	165-1 1/8		-	-	6 1/4	22*1	12*12	22*24	22*1	2*12	22*24	10*8	6*8	22*9	17*12	16	9-7-4	2 1/2	-	-	31.060	31°28'28"	B1	5	1-1/8	27.493	21°36'12"	R3	6	10 1/2	27.691	28°13'16"	R1	5	1-1/8	
	2	163-10 1/8		21-0	23-0	75-10 1/8	5 1/2	16*8	22*14	22*14	22*14	22*14	22*24	10*8	32*8	14*12	2	8-6-4	2 1/2	-	-	31.784	31°28'28"	B1	5	1-1/8	28.175	28°13'16"	R1	5	1-1/8	28.901	29°21'59"	R1	5	1-1/8	
	3	156-11 1/8		21-0	26-0	62-11 1/8	5 1/4	16*8	22*14	22*14	22*14	22*14	22*24	10*8	32*8	16*12	2	7-5-4	2 1/2	-	-	32.313	32°37'11"	B1	5	1-1/8	29.643	30°53'56"	R1	5	1-1/8	29.643	30°53'56"	R1	5	1-1/8	
	4	149-0 1/8		24-0	20-0	61-0 1/8	4 1/2	16*8	22*14	22*14	22*14	22*14	22*24	10*8	36*8	16*12	2	7-5-4	2 1/2	-	-	32.773	34°09'08"	B1	5	1-1/8	30.380	32°36'06"	R1	5	1-1/8	30.380	32°36'06"	R1	5	1-1/8	
	5	141-3 3/8		20-0	22-0	57-3 3/8	4 1/4	14*8	20*12	20*12	20*12	20*12	20*24	9*8	42*8	14*12	2	7-5-4	2 1/2	-	-	33.203	35°51'18"	B1	5	1 1/2	31.087	34°30'02"	R1	5	9 3/4	31.087	34°30'02"	R1	5	9 3/4	
	6	133-7 1/8		26-0	14-0	53-7 1/8	3 1/2	14*8	20*12	20*12	20*12	20*12	20*12	9*8	23*8	17*12	2	7-5-4	2 1/2	-	-	33.643	37°45'14"	B1	5	9 3/4	31.322	34°30'02"	R1	5	9 3/4	31.322	34°30'02"	R1	5	9 3/4	
E24	7s	132-11/16	66*	17-0	22-0	54-11/16	2 1/2	16*8	22*14	22*14	22*14	22*2	22*2	22*2	22*2	10*8	6*8	20*8	12*12	16	4	1 1/2	33.886	37°45'14"	B1	5	9 3/4	31.322	34°30'02"	R1	5	9 3/4					
	1	52-9 1/4	48*	-	-	52-9 1/4	3	-	-	-	-	-	-	-	-	-	-	-	4	1 1/2	4	27.424	15°26'07"	R2	6	9 1/2	26.331	38°10'44"	F12	2	9 1/2						
	2	55-7 3/8		-	-	55-7 3/8	3	-	-	-	-	-	-	-	-	-	-	-	4	1 1/2	4	27.984	19°32'40"	F12	2	9 1/2	26.964	42°17'17"	F12	2	9 1/2						
	3	58-5 3/8		18-0	-	22-5 3/8	3 1/2	10*8	12*12	12*12	12*12	12*12	12*12	5*12	24*6	18*8	5*12	4	1 1/2	1 1/2	1 1/2	28.473	23°20'37"	F12	2	9 1/2	27.582	46°05'14"	F12	2	9 1/2						
	4	69-7 1/2		14-0	9-0	23-7 1/2	1 1/2	10*8	10*8	10*8	12*8	12*16	12*16	5*12	34*5	21*8	6*12	1 1/2	1 1/2	1 1/2	1 1/2	29.329	23°20'37"	F12	2	9 1/2	28.184	46°05'14"	F12	2	9 1/2						
	5	80-1 1/8		11-0	15-0	28-1 1/8	1 1/2	10*8	10*8	10*8	12*8	12*16	12*16	5*12	40*5	23*8	8*12	1	1 1/2	1 1/2	1 1/2	30.157	23°20'37"	F12	2	9 1/2	28.753	46°05'14"	F12	2	9 1/2						
	6	89-7 1/8		15-0	10-0	39-7 1/8	2 1/2	10*8	10*8	10*8	14*8	14*16	14*16	6*12	18*6	29*8	10*12	1 1/2	1 1/2	1 1/2	1 1/2	30.835	23°20'37"	F14	2	9 1/2	29.139	46°05'14"	F14	2	9 1/2						
	7	97-9 3/8	48*	14-0	9-0	51-9 3/8	2 1/2	12*8	12*8	12*16	16*1	16*1 1/2	16*1 1/2	7*8	5*8	16*7	30*8	10*12	4	1 1/2	1 1/2	31.291	23°20'37"	R2	6	9 1/2	29.410	46°05'14"	F16	2	9 1/2						
E2	1	105-9 1/4	50*	16-0	13-6	46-9 1/4	5	12*8	12*1	12*1 1/2	16*8	16*1 1/2	16*1 1/2	7*8	5*8	28*9	13*12	16	4	2 1/2	4 1/2	42.829	88°49'16"	E16													

FOR INFORMATION ONLY

SPAN	GIRDER	L	WEB PL.	GIRDER DIMENSIONS				TOP FLANGE PLATES			BOTTOM FLANGE PLTS.			STIFFENERS			SHEAR CONNECTOR SPACING			STUD HEIGHT H	DL DEFLECTION & VC. ORDINATES				BEARING AT REAR PIER					BEARING AT FORWARD PIER					ORDER
				A	B	C	CAMBER	A	B	C	A	B	C	BRG.	INT.	a	b	c	EL. "R"		α	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T	EL. "F"	β	BEARING TYPE	END DIAPHRAGM CONNECTION TYPE	DIM. T						
NW5	1	71-4 1/2	48 3/8	13-0	10-6	24-4 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2	6x2	4x3/8	36x5	18x8	8x12	4"	1 1/8	1 1/8	49.322	88°40'09"	E12	4	9 1/2	50.585	88°40'09"	F12	4	9 1/2	1			
	2	71-4 1/2		13-0	10-6	24-4 1/2	1 1/2				12x1 1/2	12x1 1/2	12x1 1/2			39x5	19x8	6x12	4"	3/8	1 1/8	48.903	88°40'09"	E12	4	9 1/2	50.139	88°40'09"	F12	4	9 1/2	2			
	3	71-4 1/2		13-0	10-6	24-4 1/2	1 1/2				12x1 1/2	12x1 1/2	12x1 1/2			39x5	19x8	6x12	4"	3/8	1 1/8	48.488	88°40'09"	E12	4	9 1/2	49.693	88°40'09"	F12	4	9 1/2	3			
NW5	4	71-4 1/2		14-0	9-0	25-4 1/2	1 1/2			10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			34x5	17x8	10x12	4"	3/8	1 1/8	48.057	88°11'06"	E12	4	9 1/2	49.261	88°11'06"	F12	4	9 1/2	4			
NW6	1	78-0 1/2		11-0	14-0	28-0 1/2	1 3/8			10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			35x5	18x8	10x12	5"	1 1/8	1 1/8	50.527	100°31'27"	F12	4	10 1/2	51.810	100°31'27"	E12	4	10 1/2	1			
	2	78-0 1/2		11-0	13-6	29-0 1/2	1 1/2			10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			44x5	21x8	7x12	4"	1	1 1/8	50.159	100°31'27"	F12	4	9 1/2	51.480	100°31'27"	E12	4	9 1/2	2			
	3	78-0 1/2		11-0	13-6	29-0 1/2	1 1/2			10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			44x5	21x8	7x12	4"	1	1 1/8	49.693	100°31'27"	F12	4	9 1/2	51.087	100°31'27"	E12	4	9 1/2	3			
NW6	4	78-2 1/2		15-0	12-0	24-2 1/2	1 1/2		10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2	6x2		16x6	23x8	7x12	4"	1 1/8	1 1/8	49.308	101°14'01"	F12	4	9 1/2	50.681	101°14'01"	E12	4	9 1/2	4				
NW7	1	67-5 1/2		15-0	8-6	37-5 1/2	1				12x1 1/2	12x1 1/2	5x3/8		33x5	19x8	7x12	5"	3/8	1	51.858	112°01'33"	E12	1	10 1/2	52.958	112°01'33"	F12	1	10 1/2	1				
	2	67-5 1/2		13-0	8-6	24-5 1/2	1		10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			40x5	16x8	6x12	4"	3/8	3/8	51.480	112°01'33"	E12	1	9 1/2	52.633	112°01'33"	F12	1	9 1/2	2				
	3	67-5 1/2		13-0	8-6	24-5 1/2	1		10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2			40x5	16x8	6x12	4"	3/8	3/8	51.044	112°01'33"	E12	1	9 1/2	52.256	112°01'33"	F12	1	9 1/2	3				
NW7	4	68-3 3/8		13-0	8-6	42-3 3/8	1	10x3 1/2	10x3 1/2	12x1 1/2	12x1 1/2	12x1 1/2	5x3/8	4x3/8	26x6	17x8	6x12	4"	3/8	1	50.709	113°36'40"	E12	1	9 1/2	51.867	113°36'40"	F12	1	9 1/2	4				
NW8	1s	94-4 1/2		12-0	16-0	38-4 1/2	2 1/2	16x3 1/2	16x1 1/4	16x1 1/2	20x3 1/2	20x1 1/2	20x2 1/2	9x3/8	6x3/8	27x8	10x12	14x16	1 1/2"	3/8	1 1/2	53.052	124°53'22"	F20	1	9 1/2	53.981	121°38'10"	E20	1	9 1/2	1s			
	2	94-0 1/2		14-0	14-0	38-0 1/2	2 1/2	10x3 1/2	10x3 1/2	10x1 1/2	14x3 1/2	14x1 1/2	14x1 1/2	6x2	4x3/8	20x6	27x8	10x12	1 1/2"	3/8	2 1/2	52.855	124°53'22"	F14	1	9 1/2	53.806	121°38'10"	E14	1	9 1/2	2			
	3	94-1 1/2		12-0	13-0	44-1 1/2	2 1/2	10x3 1/2	10x1	10x1 1/2	14x3 1/2	14x1 1/2	14x2	6x2	4x3/8	36x6	21x8	10x12	1 1/2"	3/8	2 1/2	52.545	126°13'11"	F14	1	9 1/2	53.416	122°57'59"	E14	1	9 1/2	3			
	4	95-10 1/2		12-0	13-0	45-10 1/2	2 1/2	10x3 1/2	10x1	10x1 1/2	14x3 1/2	14x1 1/2	14x2	6x2	4x3/8	36x6	21x8	10x12	1 1/2"	3/8	2 1/2	52.236	127°31'24"	F14	1	9 1/2	53.030	124°16'12"	E14	1	9 1/2	4			
NW8	5s	95-5 1/2		20-0	18-0	19-5 1/2	3 1/2	16x3 1/2	16x1	16x1 1/2	16x3 1/2	16x1 1/2	16x1 1/2	7x3/8	5x3/8	31x6	16x8	16x16	1 1/2"	3/8	1 1/2	51.889	127°31'24"	F20	1	9 1/2	52.712	124°16'12"	E20	1	9 1/2	5s			
NW9	1	76-8 1/2		11-0	14-0	26-8 1/2	1 3/8	10x3 1/2	10x3 1/2	10x1	12x3 1/2	12x1 1/2	12x1 1/2	5x3/8	4x3/8	35x5	18x8	9x12	1 1/2"	3/8	1 1/2	53.971	135°15'52"	E12	2	9 1/2	54.041	41°48'44"	F12	2	9 1/2	1			
	2	61-6 1/2		18-0	8-6	25-6 1/2	3	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1	12x1			24x6	18x8	6x12	1 1/2"	3/8	3/8	53.600	135°15'52"	E12	2	9 1/2	53.635	41°48'44"	F12	2	9 1/2	2			
	3	46-3 3/8		18-0	8-6	46-3 3/8	0	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1	12x1			14x6	14x8	7x12	1 1/2"	3/8	3/8	53.180	135°15'52"	E12	2	9 1/2	53.207	41°48'44"	F12	2	9 1/2	3			
NW9	4	31-1 1/2		18-0	8-6	31-1 1/2	0	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1	12x1			9x8	5x12	9x16	1 1/2"	3/8	1 1/2	52.712	135°15'52"	E12	2	9 1/2	52.746	41°48'44"	F12	2	9 1/2	4			
NW10	1	70-2 1/2		14-0	7-0	28-2 1/2	1 1/4	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			24x6	17x8	7x12	1 1/2"	3/8	1 1/2	54.036	53°25'26"	F12	1	9 1/2	53.554	53°25'26"	E12	1	9 1/2	1			
	2	73-1 1/2		12-0	11-0	27-1 1/2	1 1/4	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			43x5	18x8	6x12	1 1/2"	3/8	1 1/2	53.635	50°24'16"	F12	1	9 1/2	53.327	50°24'16"	E12	1	9 1/2	2			
	3	73-1 1/2		12-0	11-0	27-1 1/2	1 1/4	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			43x5	18x8	6x12	1 1/2"	3/8	1 1/2	53.207	50°24'16"	F12	1	9 1/2	52.864	50°24'16"	E12	1	9 1/2	3			
NW10	4	73-1 1/2		13-0	11-0	25-1 1/2	1 1/4	10x3 1/2	10x1	10x1 1/2	14x3 1/2	14x1 1/2	14x1 1/2			36x5	21x8	7x12	1 1/2"	3/8	1 1/2	52.783	50°24'16"	F12	1	9 1/2	52.888	50°24'16"	E12	1	9 1/2	4			
NW11	1	75-11 1/2		11-0	14-0	25-11 1/2	1 3/8	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			35x5	18x8	10x12	1 1/2"	3/8	1 1/2	53.536	65°08'09"	E12	1	9 1/2	52.421	65°08'09"	F12	1	9 1/2	1			
	2	75-11 1/2		11-0	13-6	26-11 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			44x5	21x8	6x12	1	1 1/8	1 1/8	53.181	65°08'09"	E12	1	9 1/2	52.026	65°08'09"	F12	1	9 1/2	2			
	3	75-11 1/2		11-0	13-6	26-11 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			44x5	21x8	6x12	1	1 1/8	1 1/8	52.786	65°08'09"	E12	1	9 1/2	51.591	65°08'09"	F12	1	9 1/2	3			
NW11	4	77-1 1/2		15-0	12-0	23-1 1/2	1 3/8	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2	5x3/8		16x6	23x8	7x12	1 1/2"	3/8	1 1/2	52.388	63°19'03"	E12	1	9 1/2	51.280	63°19'03"	F12	1	9 1/2	4			
NW12	1	77-0 1/2		11-0	14-0	27-0 1/2	2 1/8	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2	6x2		35x5	18x8	10x12	1 1/2"	3/8	1 1/2	52.392	77°00'27"	F12	4	9 1/2	50.449	77°00'27"	E12	4	9 1/2	1			
	2	77-0 1/2		11-0	13-6	28-0 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			44x5	21x8	7x12	1	1 1/8	1 1/8	52.026	77°00'27"	F12	4	9 1/2	50.177	77°00'27"	E12	4	9 1/2	2			
	3	77-0 1/2		11-0	13-6	28-0 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			44x5	21x8	7x12	1	1 1/8	1 1/8	51.644	77°00'27"	F12	4	9 1/2	49.853	77°00'27"	E12	4	9 1/2	3			
NW12	4	77-3 1/2		15-0	12-0	23-3 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			16x6	23x8	7x12	1 1/2"	3/8	1 1/2	51.230	76°20'21"	F12	4	9 1/2	49.534	76°20'21"	E12	4	9 1/2	4			
NW13	1	76-4 1/2		11-0	14-0	26-4 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			35x5	18x8	10x12	1 1/2"	3/8	1 1/2	50.402	87°11'44"	E12	4	9 1/2	47.917	87°11'44"	F12	4	9 1/2	1			
	2	76-4 1/2		11-0	13-6	27-4 1/2	1 1/2	10x3 1/2	10x3 1/2	10x3 1/2	12x3 1/2	12x1 1/2	12x1 1/2			44x5	21x8	6x12	1	1 1/															

FOR INFORMATION ONLY



DESIGNED BY H.N.
DRAWN BY H.S.
CHECKED BY C.E.B.
APPROVED BY K.A.

Note: Elevations shown on the Plan are Top of Roadway Elevations at 4' Piers unless otherwise noted. Symbol □ indicates Type "A" Floor Drain.

1616290257

337-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
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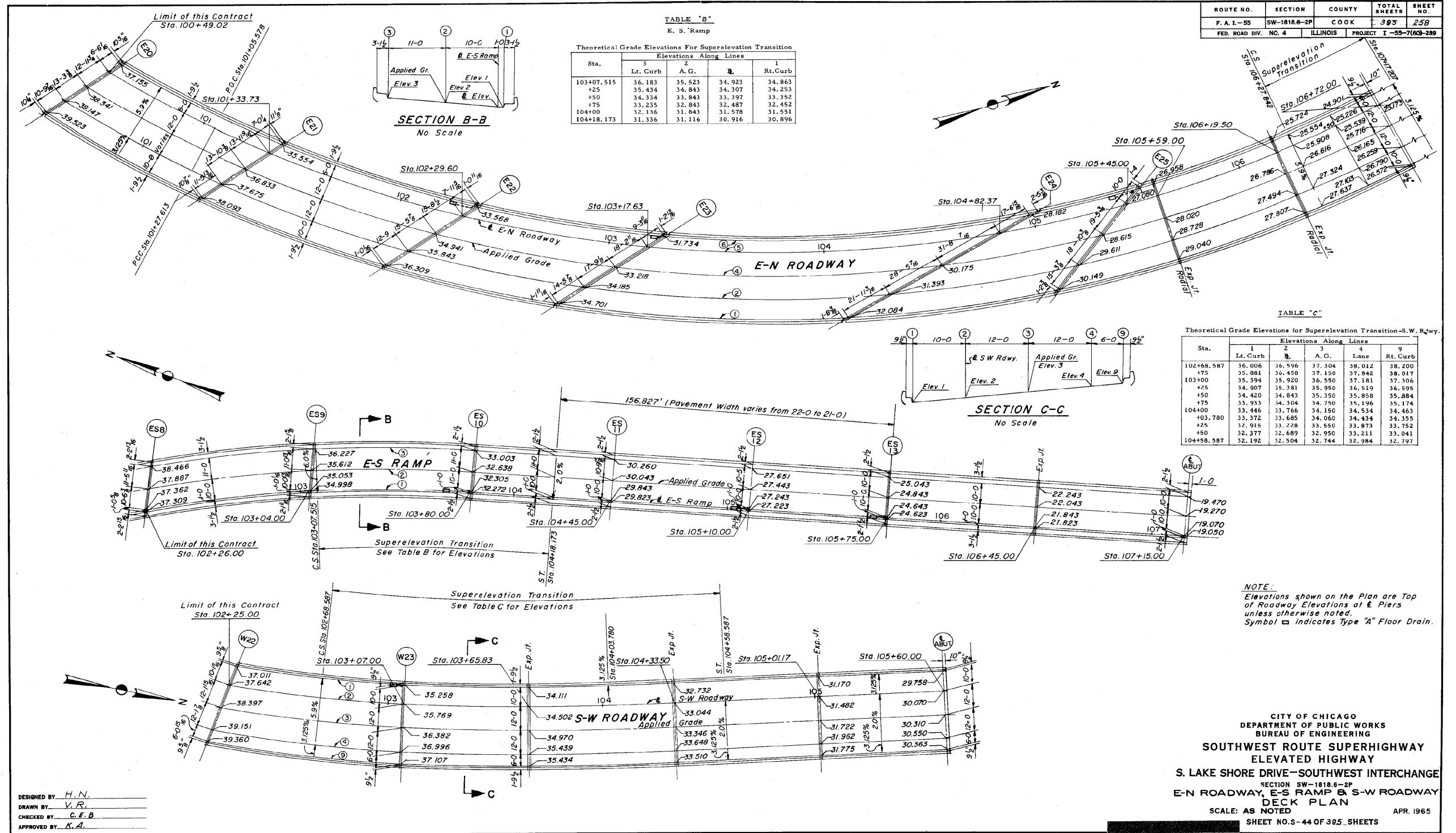
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 143 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	460
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818-B-2P	COOK	393	259
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		

TABLE "B"
E. S. Ramp

Theoretical Grade Elevations For Superelevation Transition Elevations Along Lines

Sta.	3	2	1
103+07.515	36.183	35.523	34.923
+25	35.434	34.843	34.307
+50	34.334	33.843	33.397
+75	33.235	32.843	32.487
104+100	32.136	31.843	31.578
104+18.173	31.336	31.116	30.916

TABLE "C"
Theoretical Grade Elevations for Superelevation Transition-S.W. Rdwy.

Sta.	1	2	3	4	9
102+68.587	36.006	36.596	37.304	38.012	38.200
+25	35.081	36.458	37.150	37.842	38.017
103+000	35.394	35.920	36.550	37.181	37.306
+25	34.907	35.381	35.950	36.519	36.595
+50	34.420	34.843	35.350	35.858	35.884
+75	33.933	34.304	34.750	35.196	35.174
104+000	33.446	33.766	34.150	34.534	34.663
+03.780	33.372	33.685	34.060	34.434	34.555
+25	32.915	33.228	33.550	33.873	33.752
+50	32.377	32.689	32.950	33.211	33.041
104+58.587	32.192	32.504	32.744	32.984	32.797

NOTE:
Elevations shown on the Plan are Top of Roadway Elevations at E Piers unless otherwise noted. Symbol □ indicates Type "A" Floor Drain.

CITY OF CHICAGO
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BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818-B-2P
E-N ROADWAY, E-S RAMP & S-W ROADWAY
DECK PLAN
SCALE: AS NOTED
SHEET NO. S-44 OF 385 SHEETS
APR. 1965

DESIGNED BY: H.N.
DRAWN BY: V.R.
CHECKED BY: C.F.B.
APPROVED BY: K.A.

1616290258

338-60L70_As-Builts.dgn



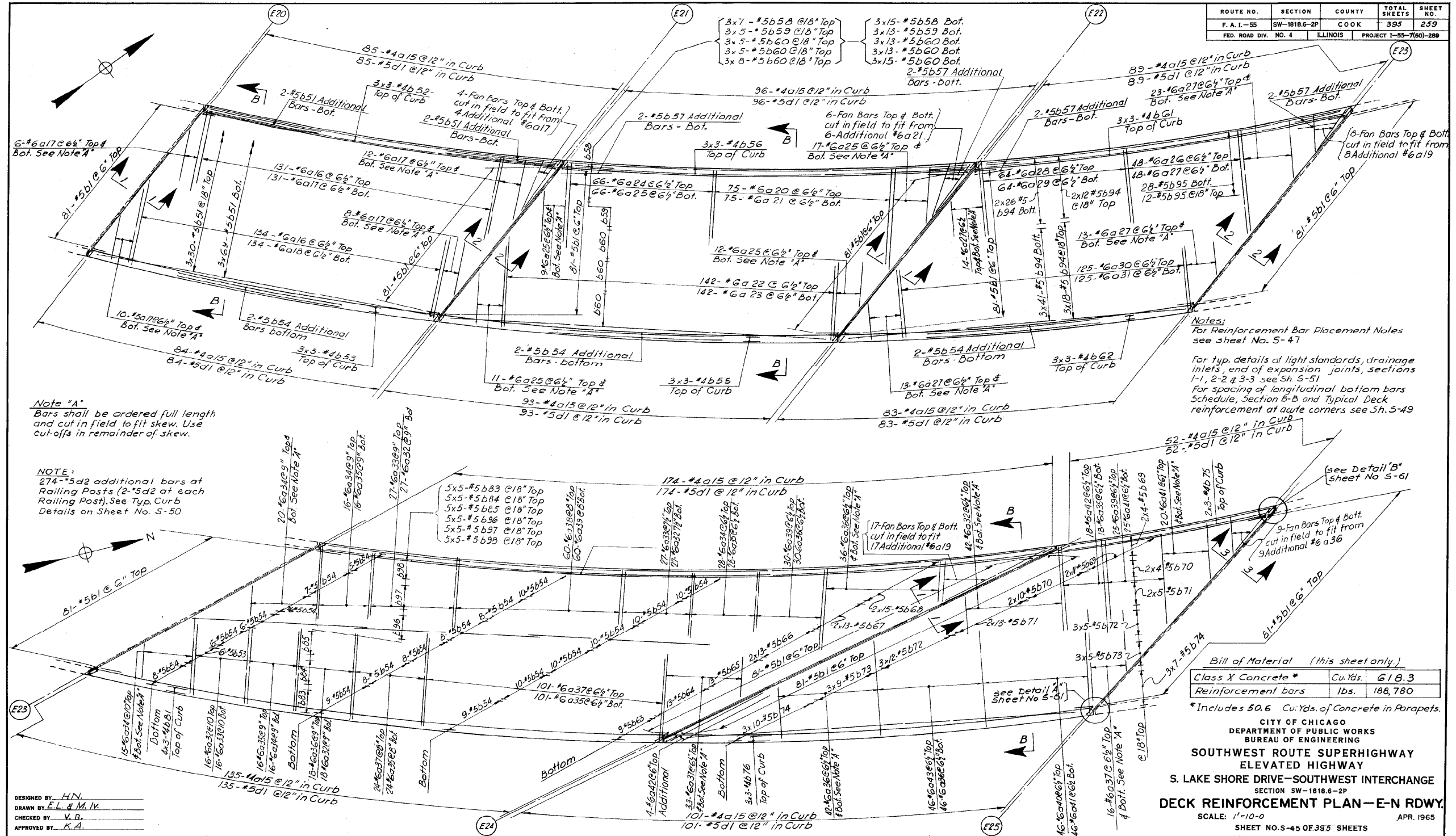
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PLOT SCALE =	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 144 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	461
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



Note "A"
Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew.

NOTE:
274-#5d2 additional bars at Railing Posts (2-#5d2 at each Railing Post). See Typ. Curb Details on Sheet No. S-50

Notes:
For Reinforcement Bar Placement Notes see sheet No. S-47
For typ. details at light standards, drainage inlets, end of expansion joints, sections 1-1, 2-2 & 3-3 see Sh. S-51
For spacing of longitudinal bottom bars Schedule, Section B-B and Typical Deck reinforcement at acute corners see Sh. S-49

Bill of Material (this sheet only.)

Class X Concrete *	Cu.Yds.	618.3
Reinforcement bars	lbs.	188,780

*Includes 50.6 Cu.Yds. of Concrete in Parapets.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
DECK REINFORCEMENT PLAN-E-N RDW.
SCALE: 1"=10'-0"
SHEET NO. S-45 OF 395 SHEETS
APR. 1965

DESIGNED BY: H.N.
DRAWN BY: E.L. & M. IV.
CHECKED BY: V.B.
APPROVED BY: K.A.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 145 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	462
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

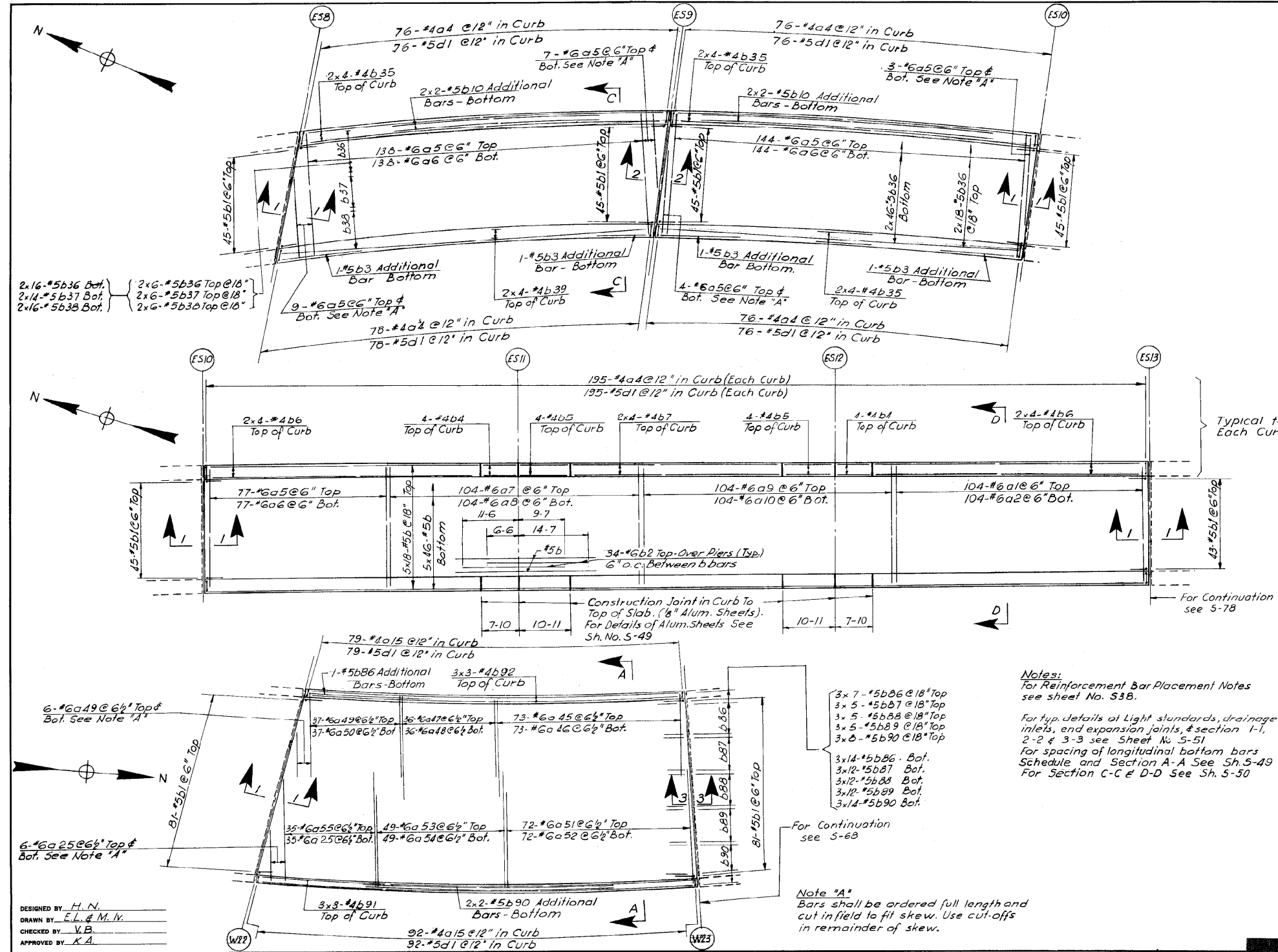


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PLOT SCALE =		CHECKED -		REVISED -	
PLOT DATE =	11/11/2014	DRAWN -	HAY	REVISED -	
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339-60L70_As-Builts.dgn

1616290259

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NOTE:
23B-#5d2 additional bars at Railing Posts. (2-#5d2 at each Railing Post. See Typ. Curb Details on Sheet No. S-50)

Notes:
For Reinforcement Bar Placement Notes see sheet No. S38.
For typ. details at Light standards, drainage inlets, end expansion joints, & section 1-1, 2-2 & 3-3 see Sheet No. S-51
For spacing of longitudinal bottom bars Schedule and Section A-A See Sh. S-49
For Section C-C & D-D See Sh. S-50

Bill of Material (this sheet only)

Class X Concrete *	Cu. Yds.	433.0
Reinforcement bars	lbs.	128,895

* Includes 44.1 Cu. Yds. of Concrete in parapets

CITY OF CHICAGO
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BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
DECK REINFORCEMENT PLAN
E-S RAMP AND S-W ROADWAY
SCALE: 1"=10'-0"
APR. 1965
SHEET NO. S-46 OF 395 SHEETS

DESIGNED BY: H. N.
DRAWN BY: E. L. & M. IV.
CHECKED BY: V. B.
APPROVED BY: K. A.

Note "A"
Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew.

1616290260

340-60L70...As-Built.s.dgn



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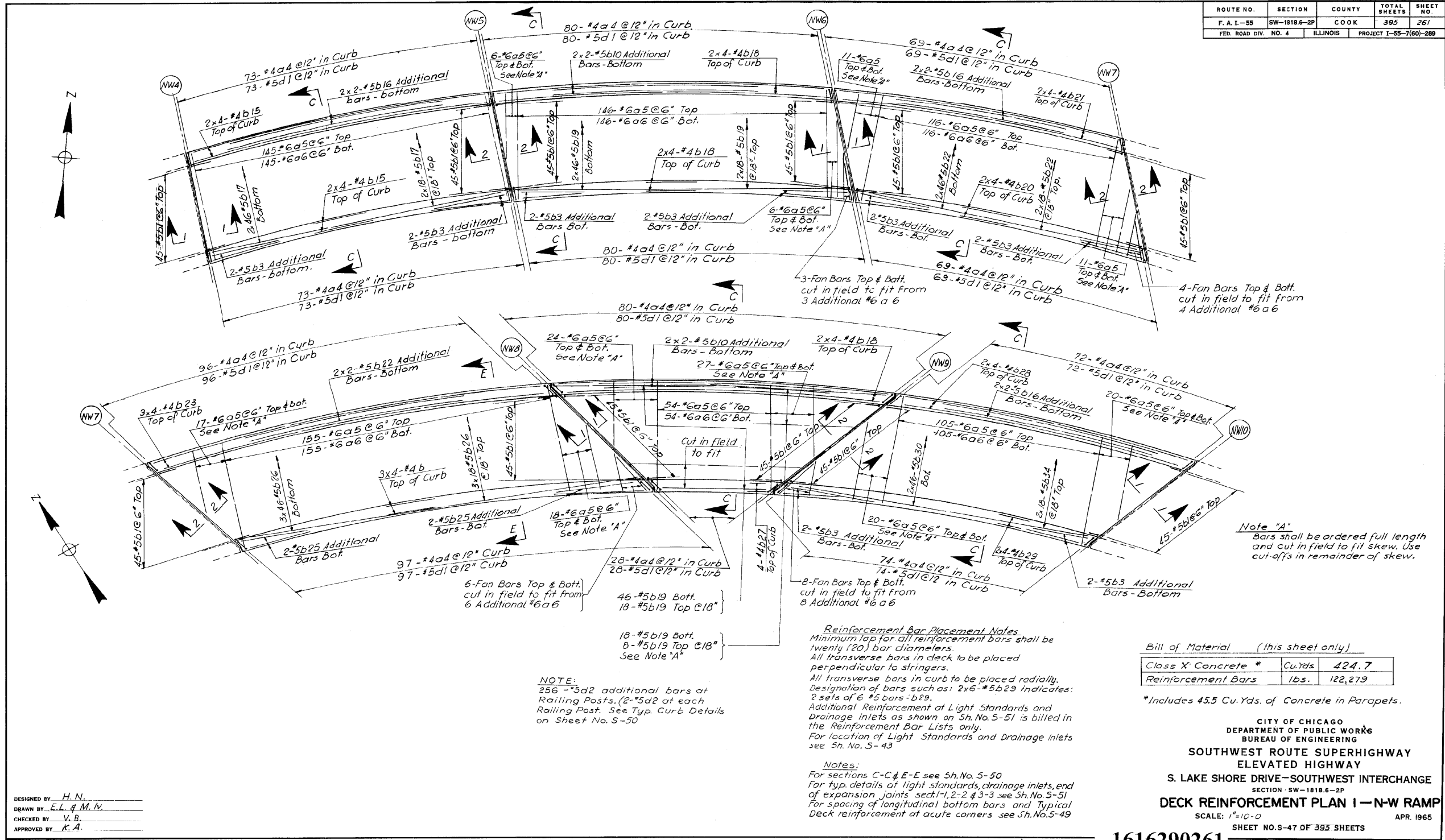
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 146 OF 174 SHEETS

F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	463
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. -55	SW-1818.6-2P	COOK	395	261
FED. ROAD DIV. NO. 4	ILLINOIS		PROJECT I-55-7(60)-289	



Note "A"
Bars shall be ordered full length and cut in field to fit skew. Use cut-offs in remainder of skew.

NOTE:
256- #5d2 additional bars at Railing Posts. (2- #5d2 at each Railing Post. See Typ. Curb Details on Sheet No. S-50

Reinforcement Bar Placement Notes
Minimum lap for all reinforcement bars shall be twenty (20) bar diameters.
All transverse bars in deck to be placed perpendicular to stringers.
All transverse bars in curb to be placed radially.
Designation of bars such as: 2x6- #5b29 indicates: 2 sets of 6 #5 bars-b29.
Additional Reinforcement at Light Standards and Drainage inlets as shown on Sh.No.5-51 is billed in the Reinforcement Bar Lists only.
For location of Light Standards and Drainage inlets see Sh.No.5-43

Notes:
For sections C-C & E-E see Sh.No.5-50
For typ. details at light standards, drainage inlets, end of expansion joints sect-1, 2-2 & 3-3 see Sh.No.5-51
For spacing of longitudinal bottom bars and Typical Deck reinforcement at acute corners see Sh.No.5-49

Bill of Material (this sheet only)

Class X Concrete	Cu.Yds.	424.7
Reinforcement Bars	lbs.	122,279

*Includes 45.5 Cu.Yds. of Concrete in Parapets.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
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SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
DECK REINFORCEMENT PLAN I - N-W RAMP
SCALE: 1"=10'-0"
SHEET NO. S-47 OF 395 SHEETS
APR. 1965

1616290261

DESIGNED BY: H. N.
DRAWN BY: E. L. & M. IV.
CHECKED BY: V. B.
APPROVED BY: K. A.

341-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
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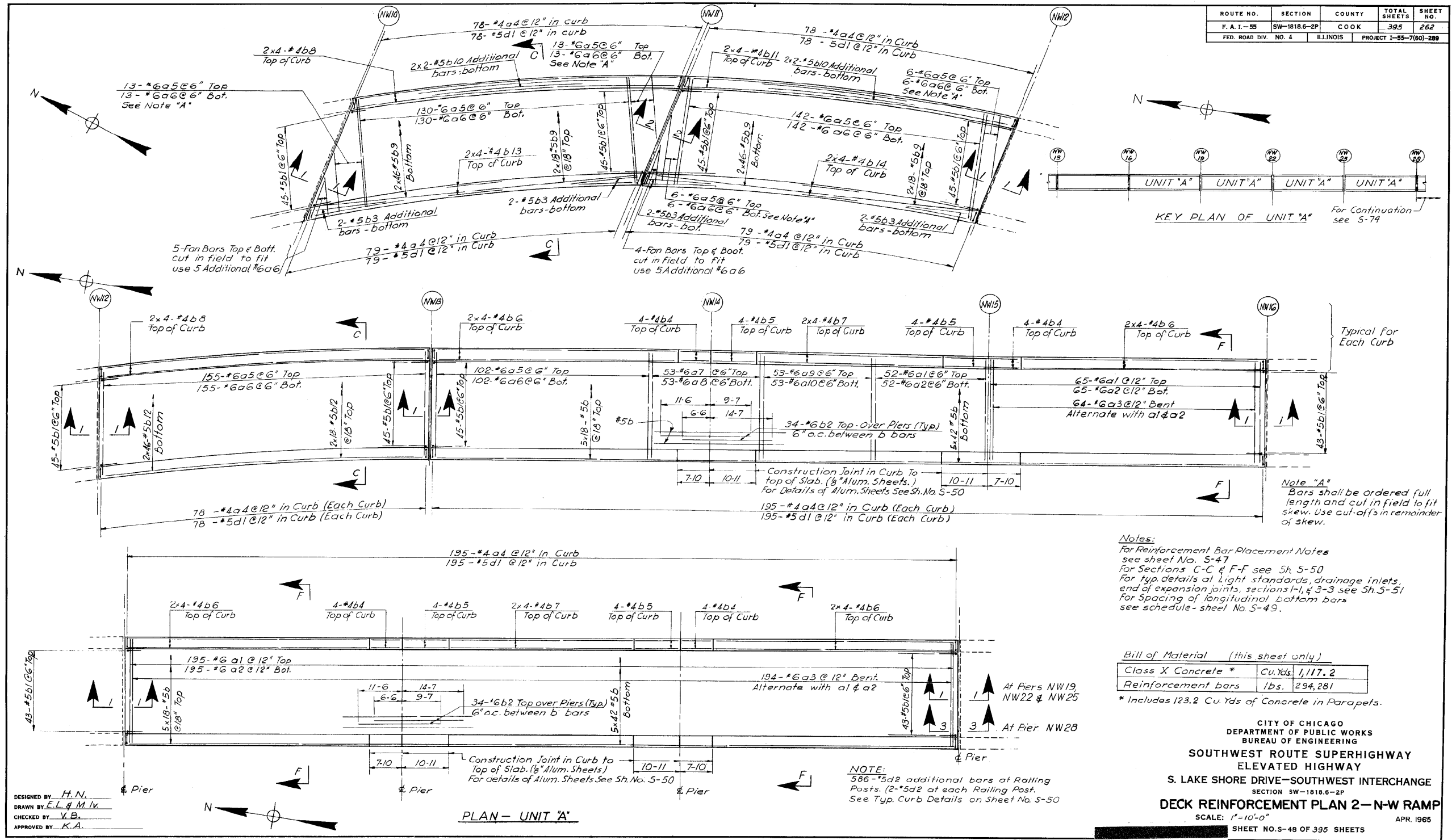
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 147 OF 174 SHEETS

F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	464
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	262
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



Notes:
 For Reinforcement Bar Placement Notes see sheet No. S-47
 For Sections C-C & F-F see Sh. S-50
 For typ. details at Light standards, drainage inlets, end of expansion joints, sections 1-1, & 3-3 see Sh. S-51
 For Spacing of longitudinal bottom bars see schedule - sheet No. S-49.

Bill of Material (this sheet only)

Class X Concrete *	Cu. Yds. 1,117.2
Reinforcement bars	lbs. 294,281

* Includes 123.2 Cu. Yds of Concrete in Parapets.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
DECK REINFORCEMENT PLAN 2-N-W RAMP
 SCALE: 1"=10'-0"
 APR. 1965
 SHEET NO. S-48 OF 395 SHEETS

1616290262

342-60L70_As-Builts.dgn



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 CHECKED - ATB
 PLOT DATE = 11/11/2014

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 CHECKED - ATB

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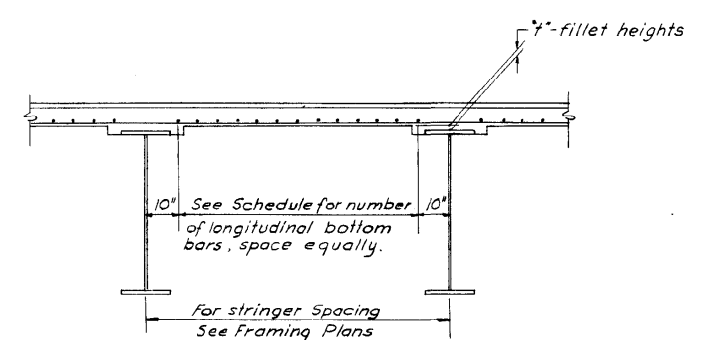
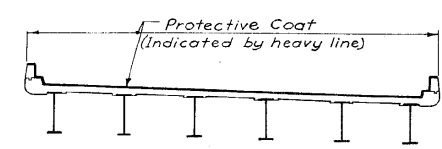
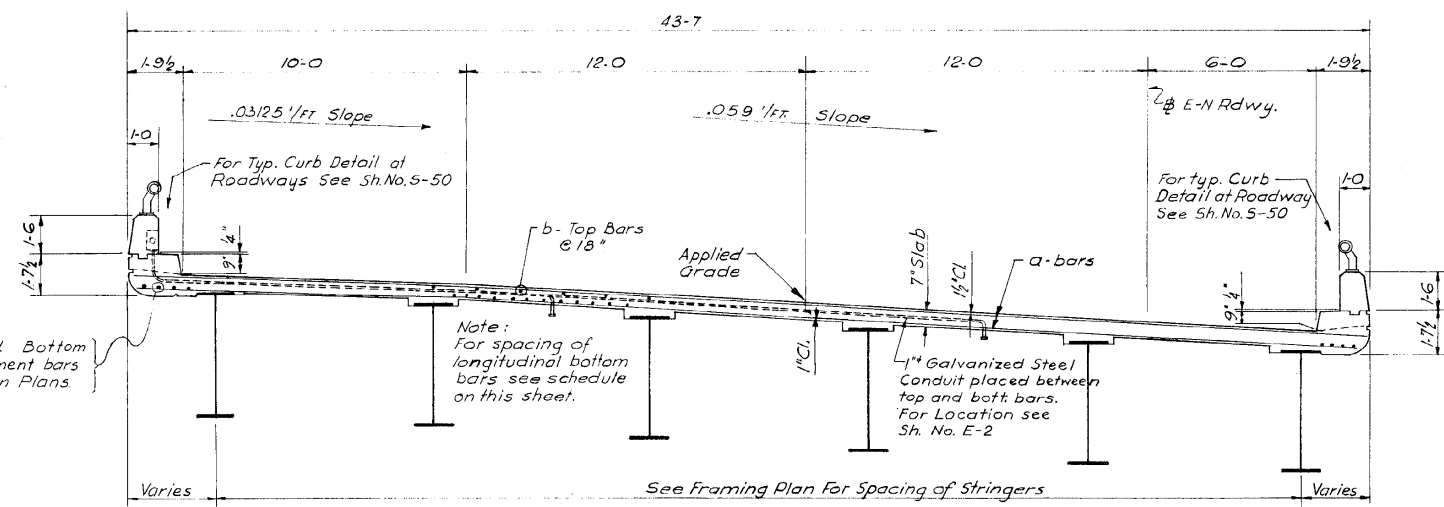
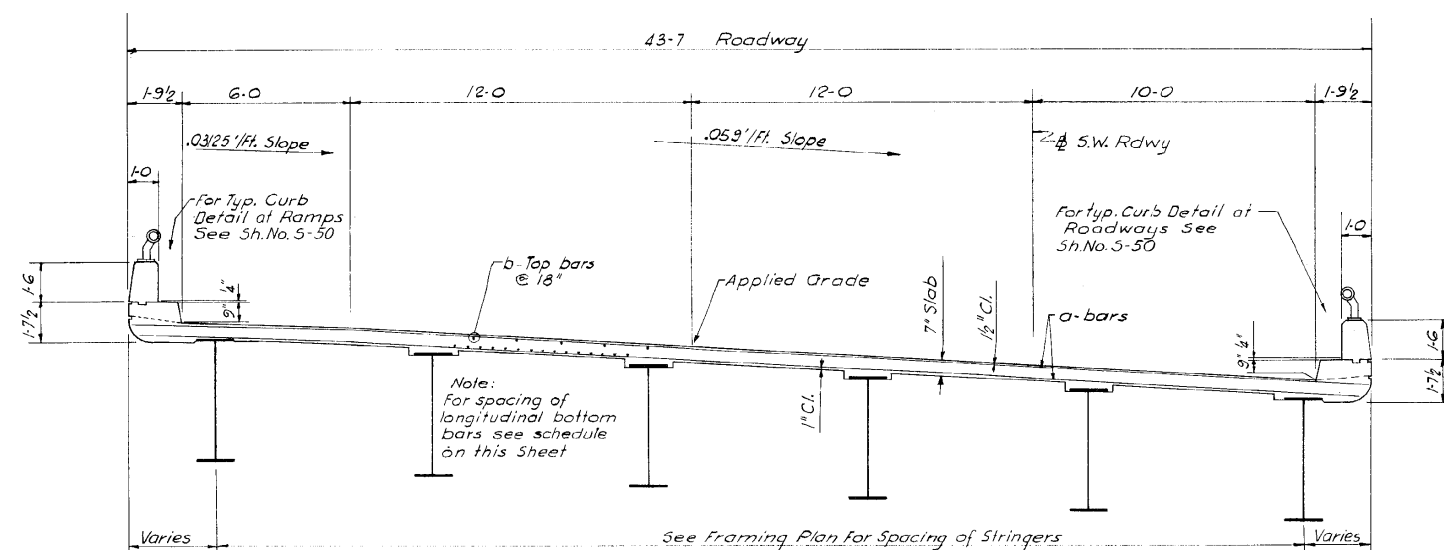
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 148 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	465
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

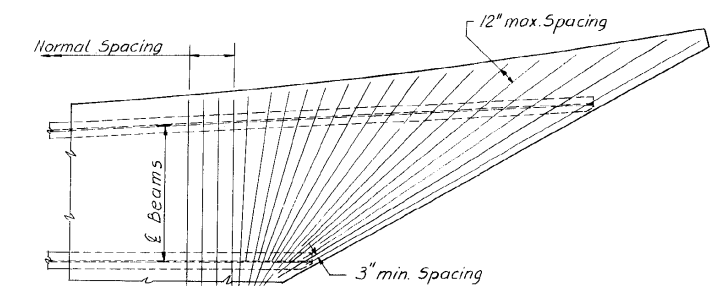
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ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	263
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



Beam Spacing	Number of longitudinal bottom bars	
	For Roadways	For Ramps
5-0 to 6-0	7	
6-1 to 6-6	8	9
6-7 to 7-0	9	10
7-1 to 7-6	10	12
7-7 to 8-0	12	14
8-1 to 8-6	13	15
8-7 to 9-0	15	

SPACING OF LONGITUDINAL BOTTOM BARS



NOTES:
 For reinforcement Bar Placement Notes see Sh.No.5-47.
 For Method of determining fillet heights "f" see "Tables of Elevations".
 All corners shall be chamfered 3/4" unless otherwise shown.

DESIGNED BY: H.N.
 DRAWN BY: E.L. & M.V.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
TYPICAL CROSS SECTIONS AND DETAILS
 SCALE: AS NOTED
 SHEET NO.5-49 OF 395 SHEETS
 APR. 1965

1616290263

343-60L70_As-Builts.dgn



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PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

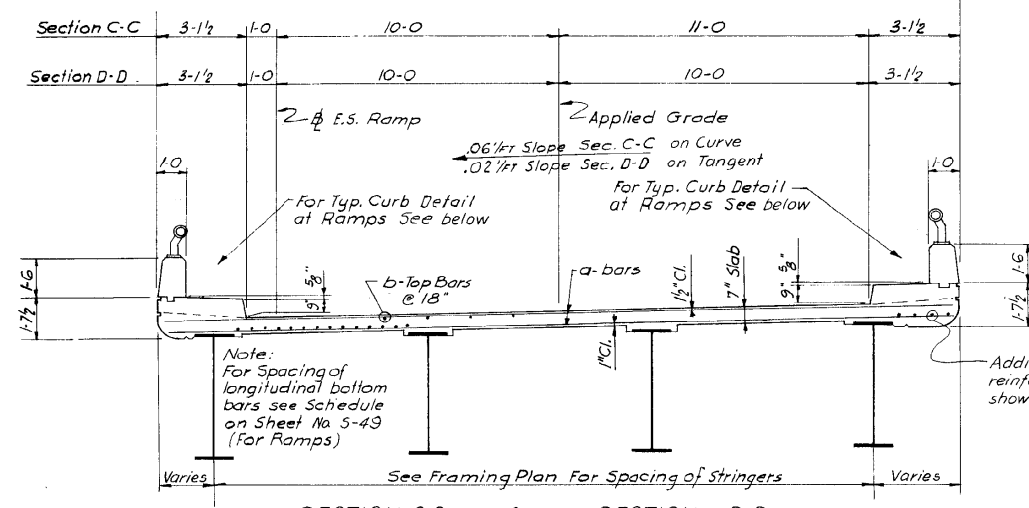
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 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 149 OF 174 SHEETS

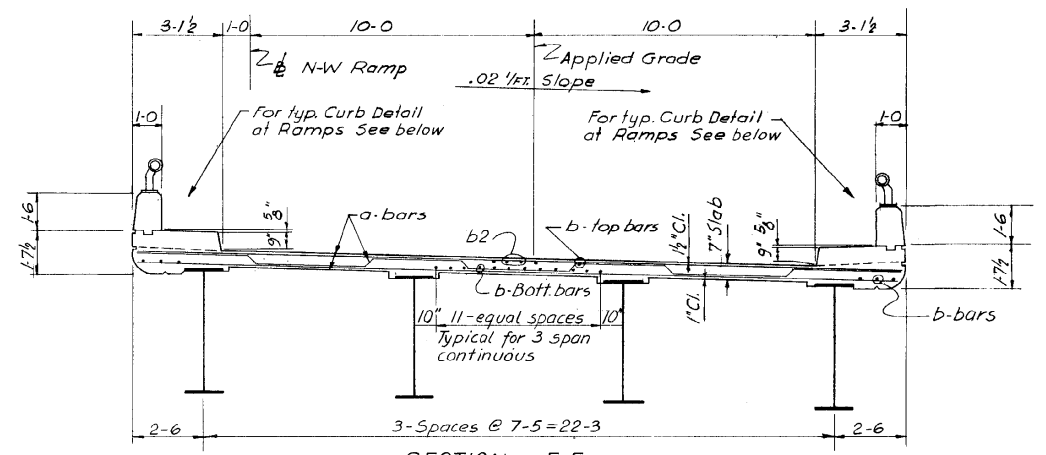
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55	2010-080-B	COOK	886	466
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

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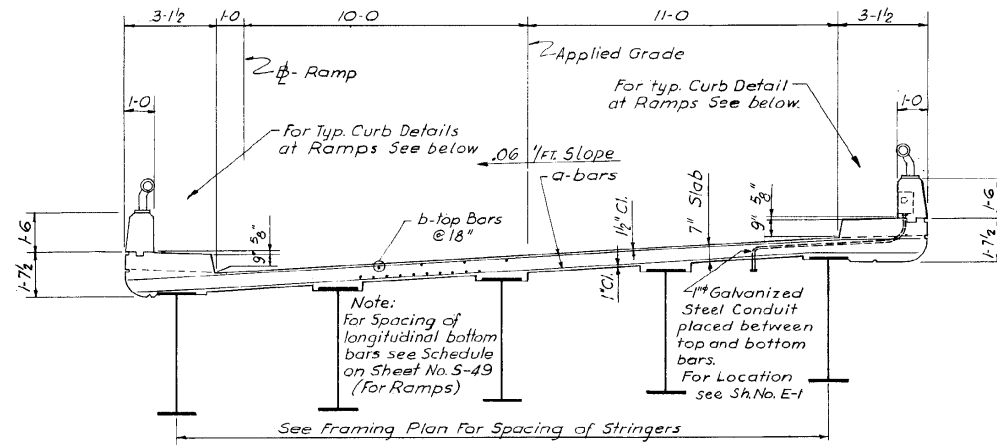
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FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



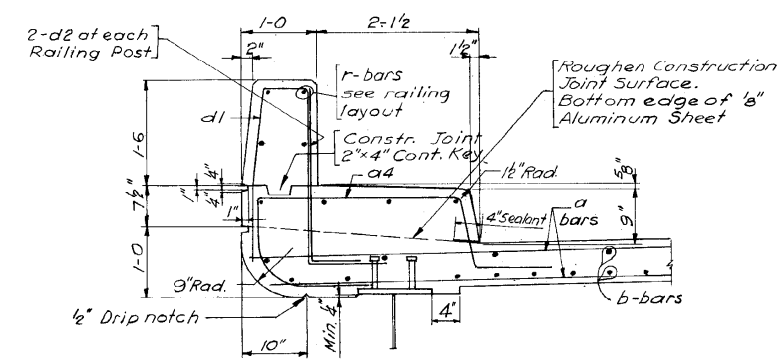
SECTION C-C & SECTION D-D
Scale: 3/8" = 1'-0"



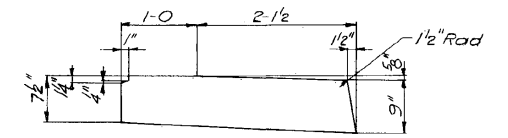
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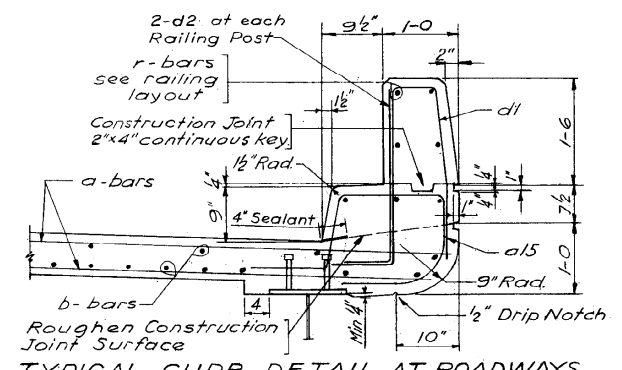
SECTION E-E
Scale: 3/8" = 1'-0"



TYPICAL CURB DETAIL AT RAMPS
Scale: 1" = 1'-0"



DETAIL OF 1/2" ALUMINUM SHEETS
ASTM: B209 Alloy 3003-H14
Used in curb joints at piers of continuous spans.
For Location see Sh. No. S-46 & S-48. Cost incidental to Concrete.



TYPICAL CURB DETAIL AT ROADWAYS
Scale: 1" = 1'-0"

DESIGNED BY: H.N.
DRAWN BY: H.S.
CHECKED BY: V.B.
APPROVED BY: K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
TYPICAL CROSS SECTIONS AND DETAILS
SCALE: AS NOTED
SHEET NO. S-50 OF 395 SHEETS
APR. 1965

1616290264

344-60L70_As-Builts.dgn



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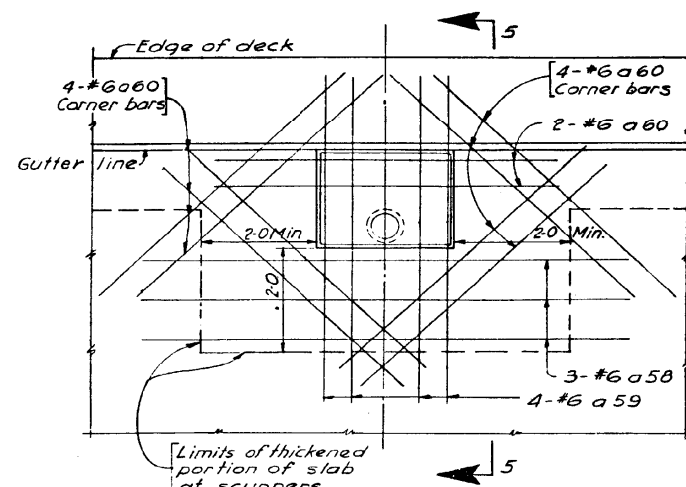
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AS-BUILTS
SHEET NO. 150 OF 174 SHEETS

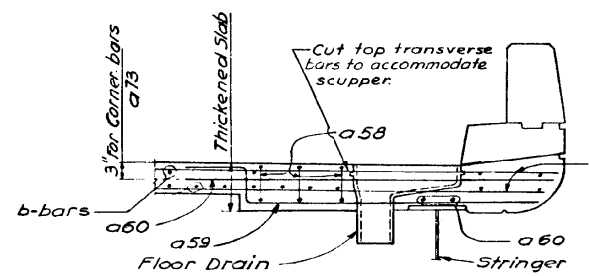
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55	2010-080-B	COOK	886	467
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

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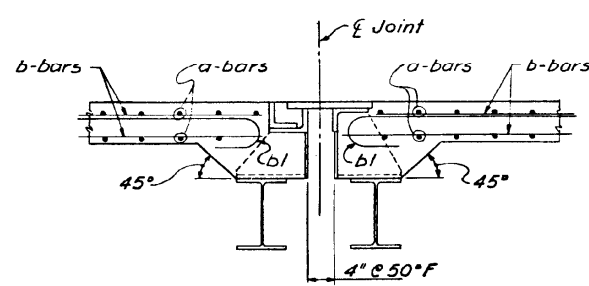
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FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-200		



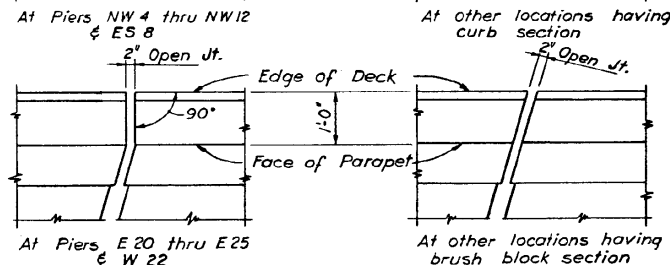
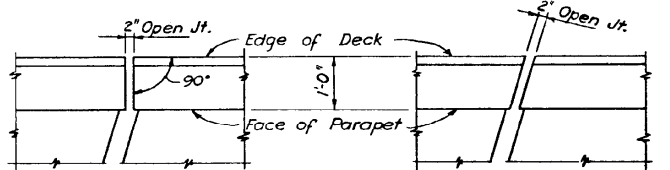
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Scale: 3/4"=1'-0"



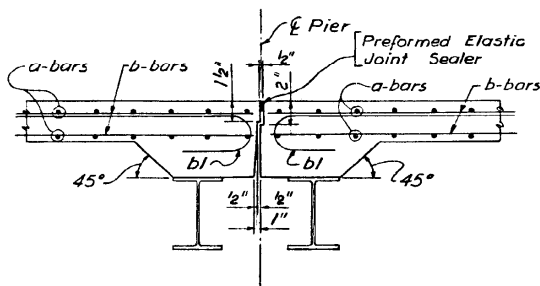
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Scale: 3/4"=1'-0"



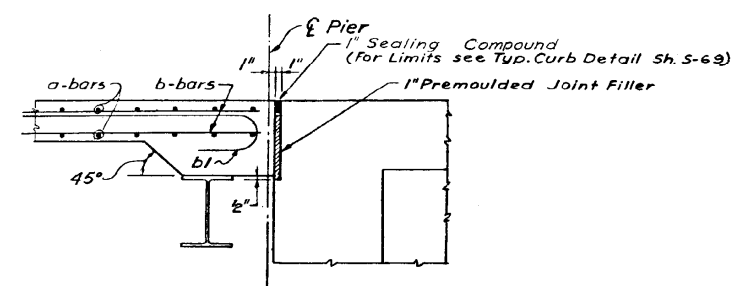
SECTION 1-1
Scale: 1"=1'-0"



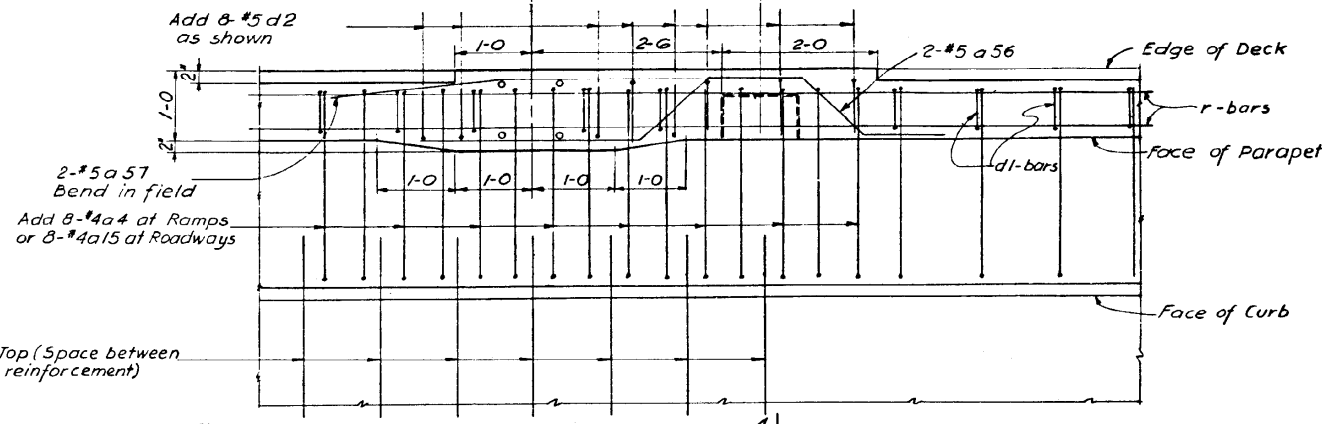
EXPANSION JOINT DETAIL AT PARAPET
Showing concrete outlines only. Steel exp. guard not shown. For details see sheet S-40



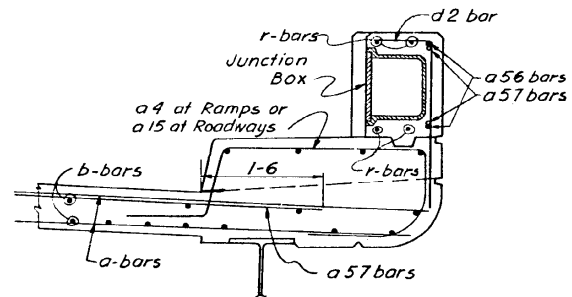
SECTION 2-2
Scale: 1"=1'-0"



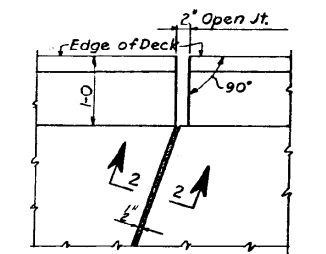
SECTION 3-3
Scale: 1"=1'-0"



TYPICAL DETAIL AT LIGHT STANDARD AND JUNCTION BOX
Scale: 1"=1'-0"



SECTION 4-4
Scale: 1"=1'-0"



AT PIERS
ES 9, NWS, NW7, NWS & NW11
DETAIL AT END OF FIXED JOINT
Scale: 1"=1'-0"

Note:
For Reinforcement Bar Placement
Notes See Sh. No. S-47
For Location of Sections 1-1, 2-2
and 3-3 See Sh. No. S-45 thru S-48

CITY OF CHICAGO
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BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
TYPICAL DECK DETAILS
SCALE: AS NOTED APR. 1965
SHEET NO. S-51 OF 395 SHEETS

1616290265

DESIGNED BY H.N.
DRAWN BY E.L. & M.M.
CHECKED BY V.B.
APPROVED BY K.A.



USER NAME = auyeungh
DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
PLOT SCALE =
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

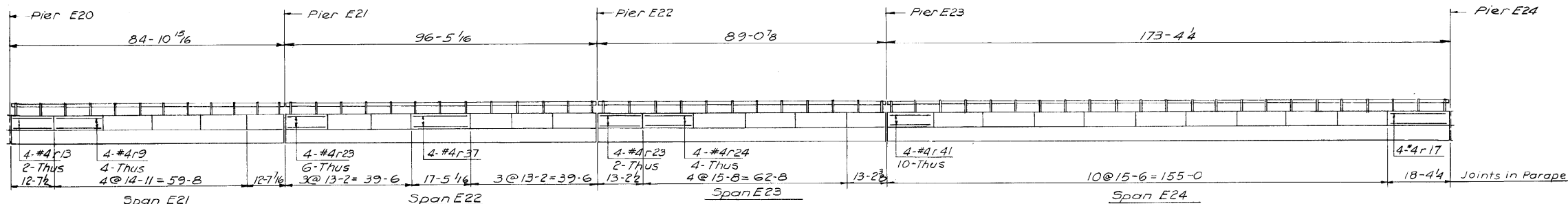
AS-BUILTS
SHEET NO. 151 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	468
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

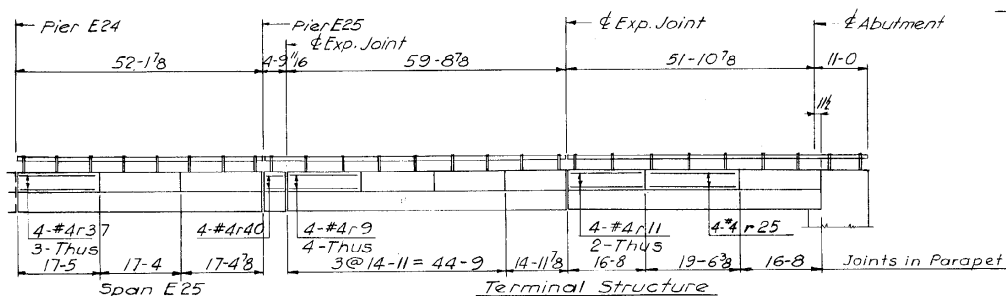
345-60L70_As-Builts.dgn

FOR INFORMATION ONLY

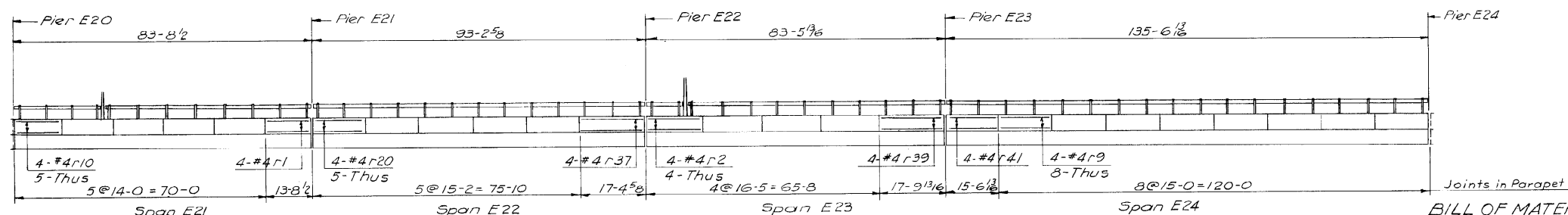
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	393	266
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



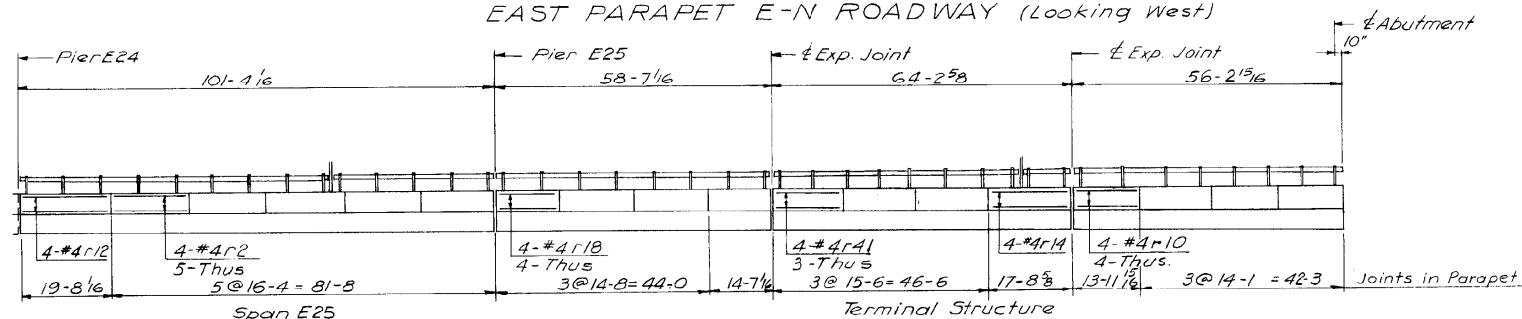
WEST PARAPET E-N ROADWAY (Looking West)



WEST PARAPET E-N ROADWAY (Looking West)



EAST PARAPET E-N ROADWAY (Looking West)



EAST PARAPET E-N ROADWAY (Looking West)

DESIGNED BY V.B.
 DRAWN BY H.S.
 CHECKED BY V.B.
 APPROVED BY K.A.

BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement Bars	Lbs.	3,382

Notes:
 For Reinforcement Bar Schedule See Sh. No. S-57
 Elevation Shown is a developed view
 All dimensions are horizontal and along
 & of railing and are not true dimensions
 along surface of the bridge.
 For Detail of Joint in Parapet see Sh. A-12

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
 SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
 PARAPET REINFORCEMENT DETAILS
 E-N ROADWAY
 SCALE: HOR. 1/16" = 1'-0"; VERT. 3/16" = 1'-0"
 SHEET NO. S-52 OF 393 SHEETS
 APR. 1965

1616290266

346-60L70_As-Builts.dgn



USER NAME = auyeungh
 DESIGNED -
 CHECKED -
 PLOT SCALE =
 DRAWN - HAY
 CHECKED - V.B.
 APPROVED BY - K.A.
 PLOT DATE = 11/11/2014

DESIGNED -
 CHECKED -
 DRAWN - HAY
 CHECKED - ATB

REVISED -
 REVISED -
 REVISED -
 REVISED -

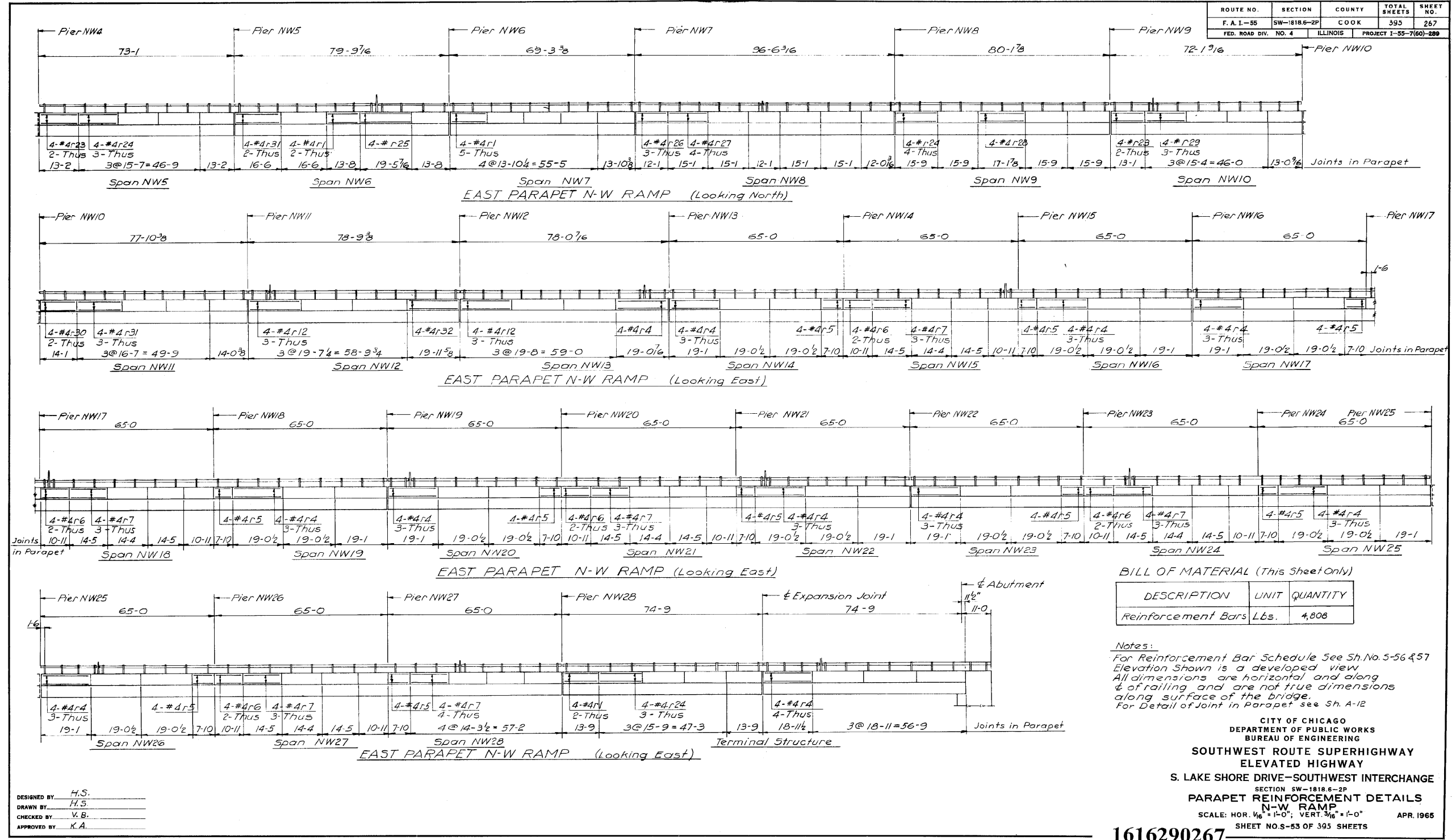
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 152 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	469
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



DESIGNED BY: H.S.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.

1616290267

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818-2P
PARAPET REINFORCEMENT DETAILS
 N-W RAMP
 SCALE: HOR. 1/8" = 1'-0"; VERT. 3/16" = 1'-0" APR. 1965
 SHEET NO. 53 OF 395 SHEETS

347-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

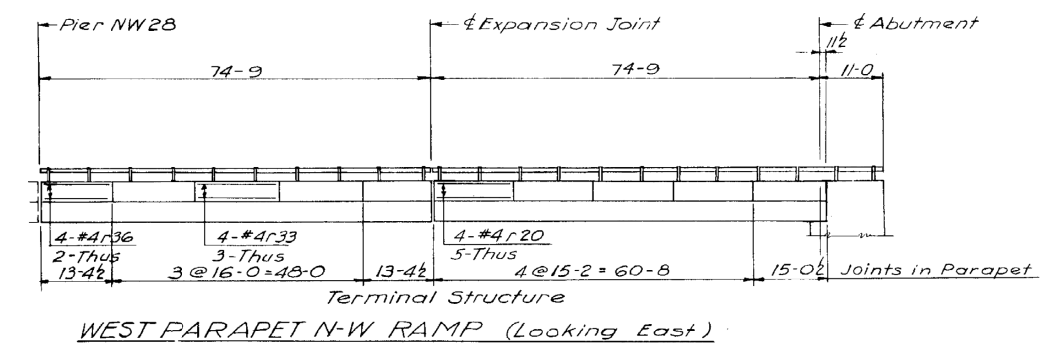
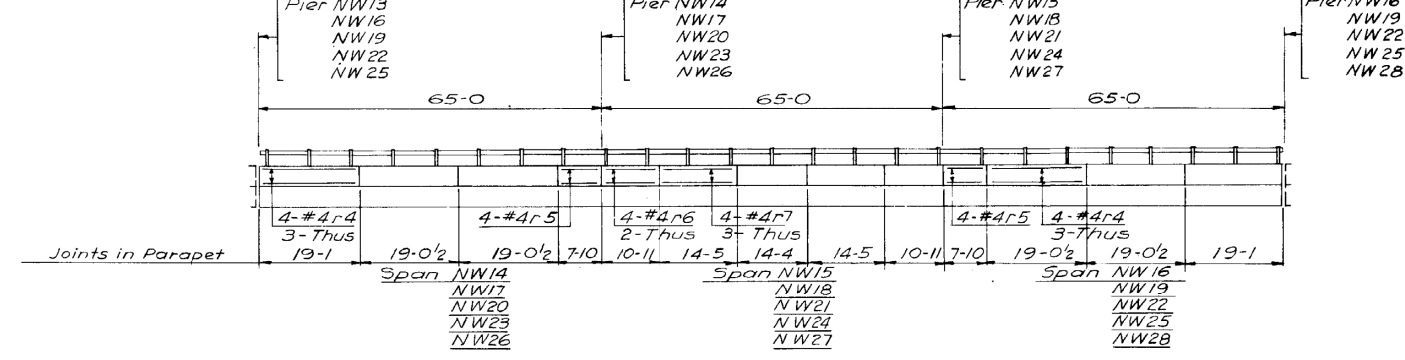
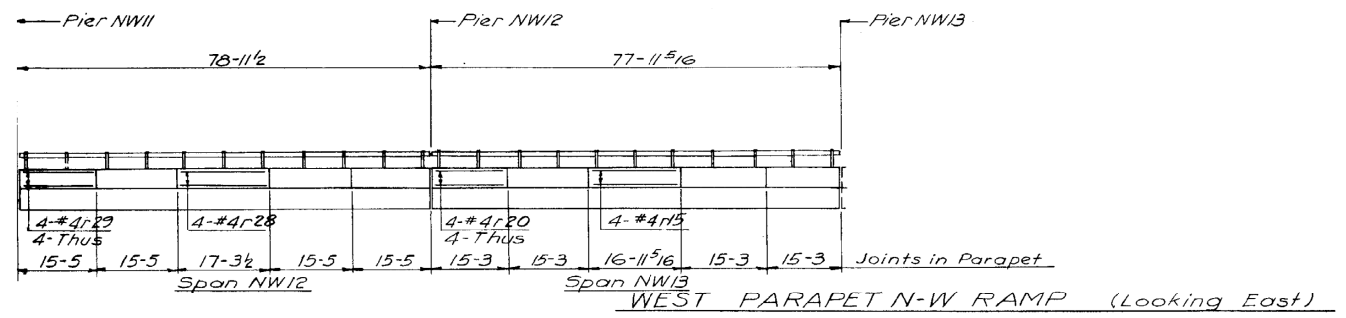
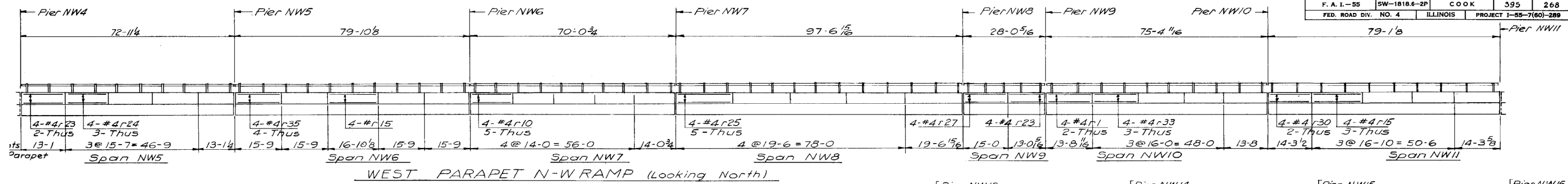
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 153 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	470
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	268
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-85-7(80)-289		



BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement bars	Lbs.	4,687

Notes:
 For Reinforcement Bar Schedule See Sh. No. 5-56
 Elevation shown is a developed view
 All dimensions are horizontal and along
 centerline of railing and are not true dimensions
 along surface of the bridge
 For Detail of Joint in Parapet see Sh. A12

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PARAPET REINFORCEMENT DETAILS
N-W RAMP
 SCALE: HOR. 1/16" = 1'-0"; VERT. 3/16" = 1'-0" APR. 1965
 SHEET NO. S-54 OF 395 SHEETS

1616290268

GNE'D BY: H.S.
 DN BY: H.S.
 CKED BY: V.B.
 OVED BY: K.A.

348-60L70_As-Builts.dgn



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PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

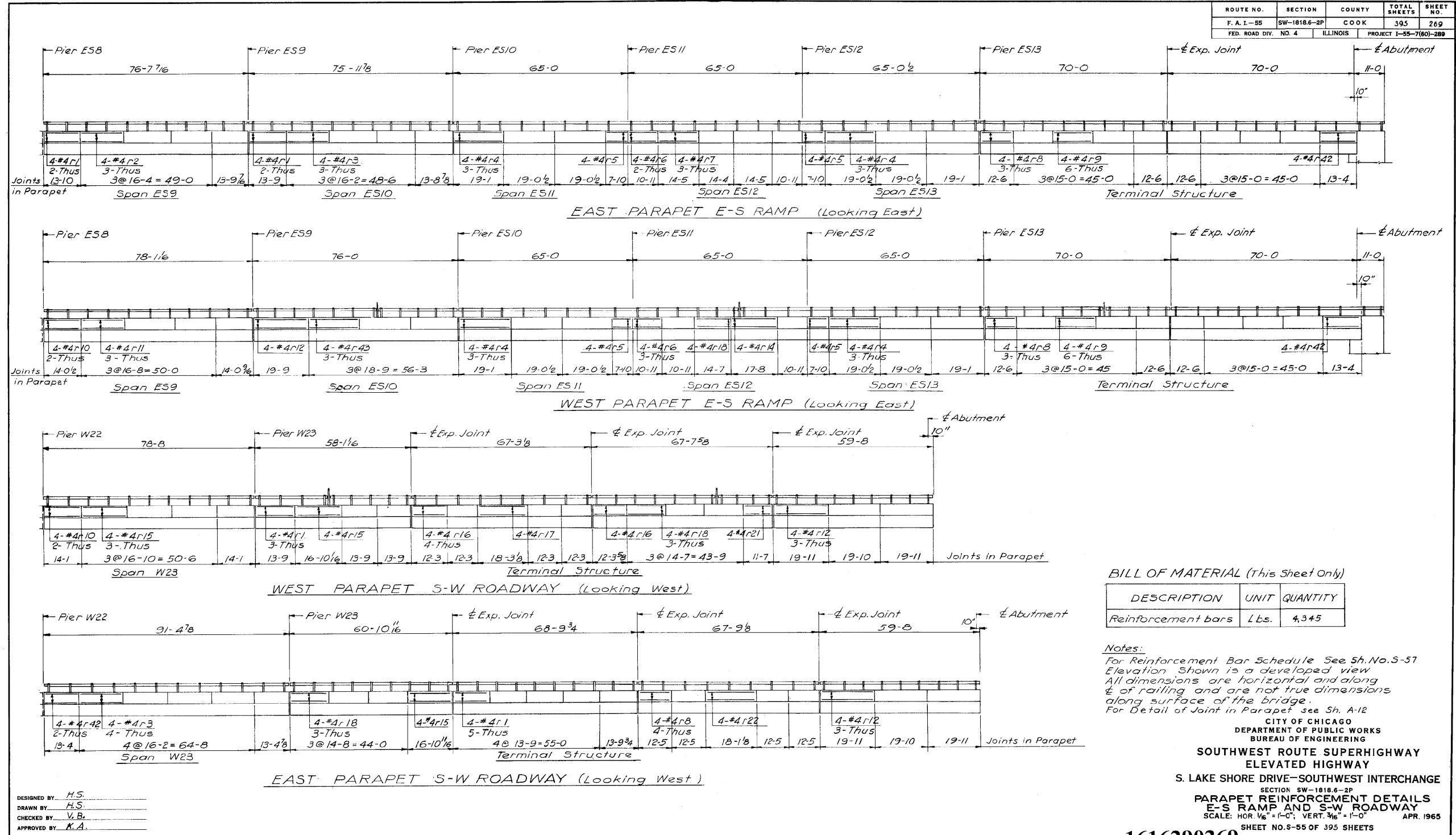
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 154 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	471
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	269
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



BILL OF MATERIAL (This Sheet Only)

DESCRIPTION	UNIT	QUANTITY
Reinforcement bars	Lbs.	4,345

Notes:
 For Reinforcement Bar Schedule See Sh. No. S-57
 Elevation Shown is a developed view
 All dimensions are horizontal and along
 & of railing and are not true dimensions
 along surface of the bridge.
 For Detail of Joint in Parapet see Sh. A-12

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
PARAPET REINFORCEMENT DETAILS
 E-S RAMP AND S-W ROADWAY
 SCALE: HOR. 1/8" = 1'-0"; VERT. 3/16" = 1'-0"
 SHEET NO. S-55 OF 395 SHEETS

1616290269

DESIGNED BY: H.S.
 DRAWN BY: H.S.
 CHECKED BY: V.B.
 APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

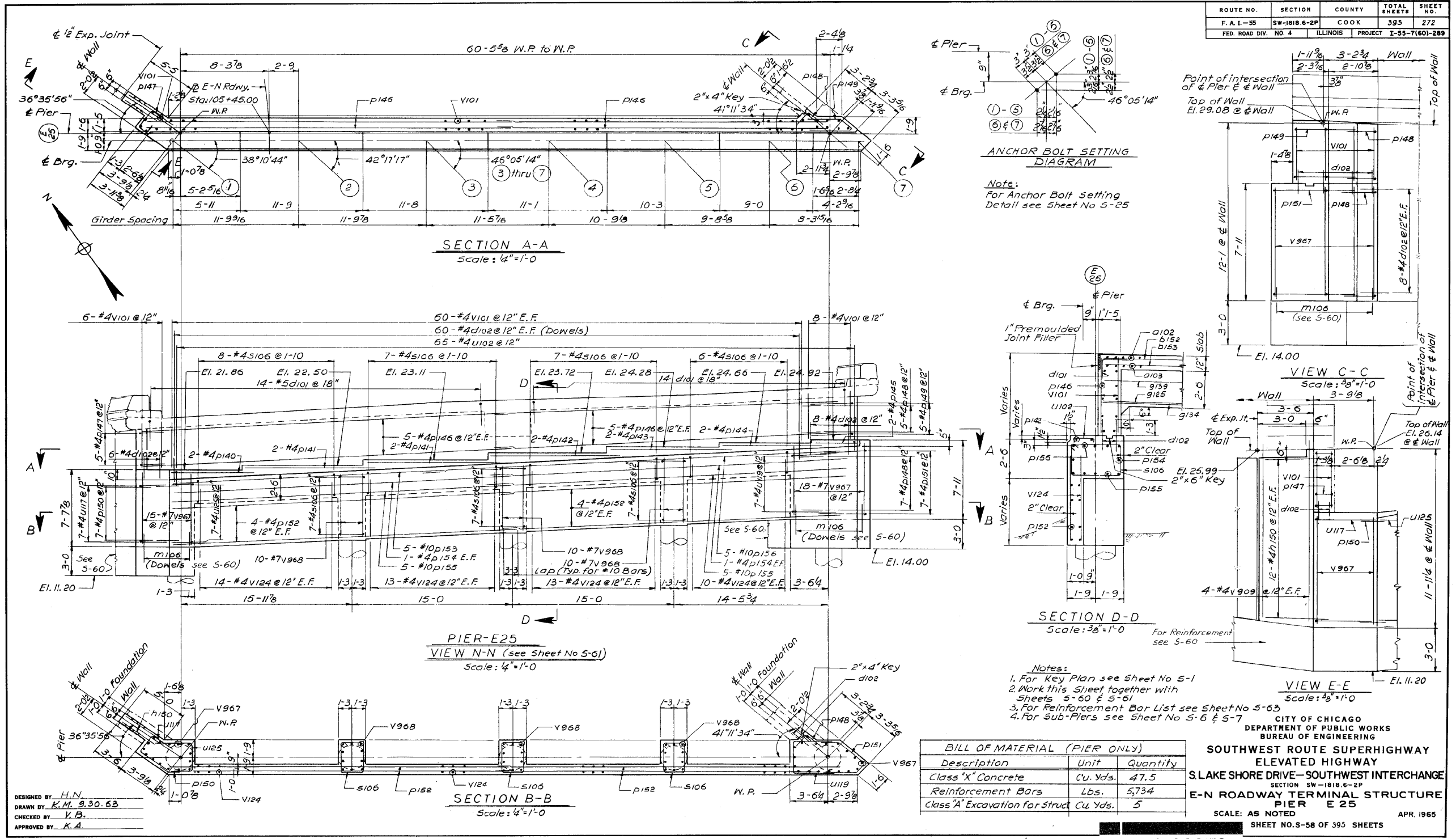
AS-BUILTS
 SHEET NO. 155 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	472
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

349-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	272
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	I-55-7(60)-289	



BILL OF MATERIAL (PIER ONLY)

Description	Unit	Quantity
Class "X" Concrete	Cu. Yds.	47.5
Reinforcement Bars	Lbs.	5,734
Class "A" Excavation For Struct.	Cu. Yds.	5

CITY OF CHICAGO
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BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
SLAKE SHORE DRIVE-SOUTHWEST INTERCHANGE**
SECTION SW-1818.6-2P
**E-N ROADWAY TERMINAL STRUCTURE
PIER E 25**
SCALE: AS NOTED
SHEET NO. S-58 OF 395 SHEETS
APR. 1965

1616290272

DESIGNED BY H.N.
DRAWN BY K.M. 9.30.63
CHECKED BY V.B.
APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

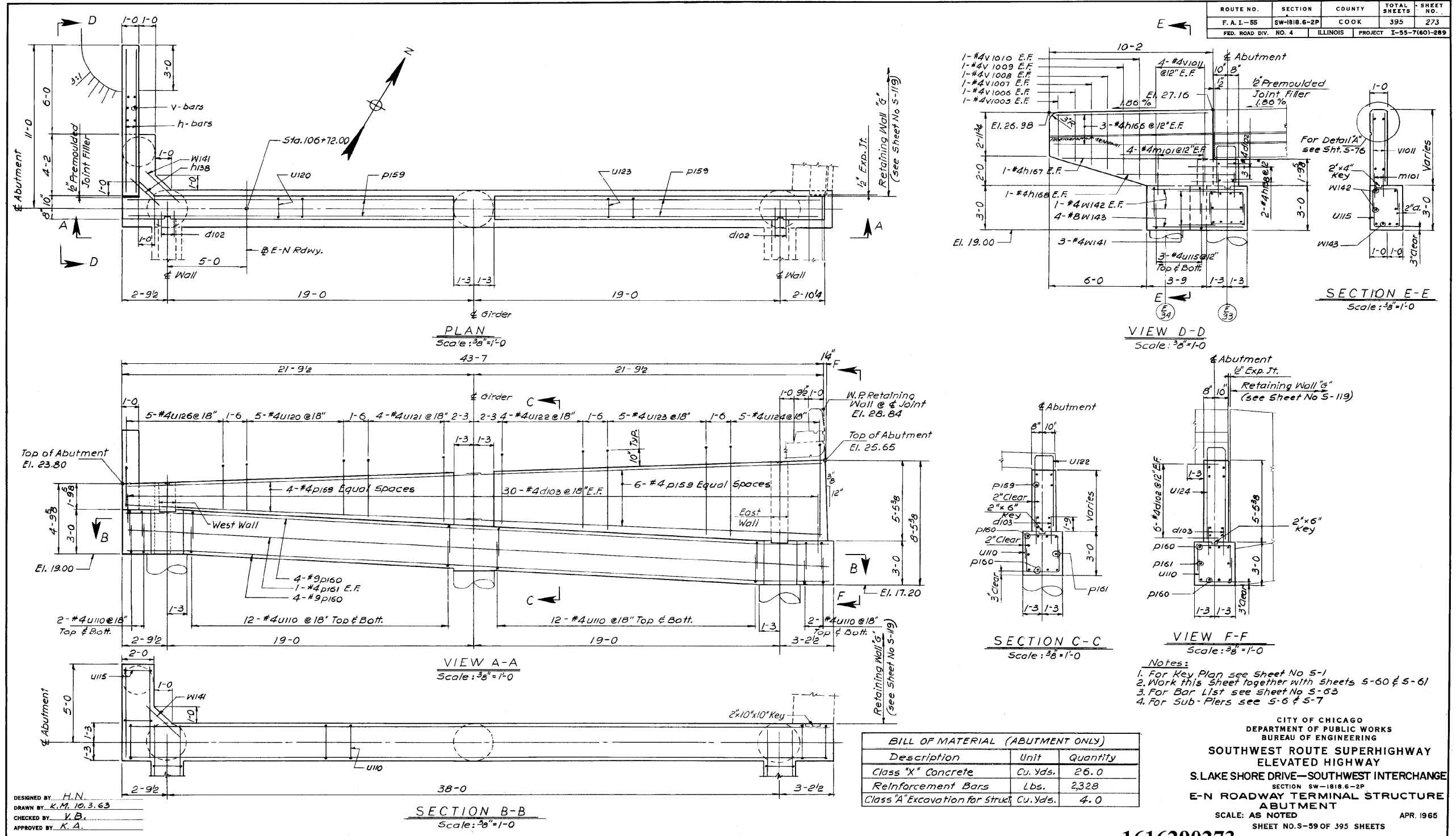
AS-BUILTS

SHEET NO. 156 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	473
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

350-60L70_As-Built.s.dgn

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	273
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	I-55-7(60)-289	

BILL OF MATERIAL (ABUTMENT ONLY)

Description	Unit	Quantity
Class "X" Concrete	Cu. Yds.	26.0
Reinforcement Bars	Lbs.	2,328
Class "A" Excavation for Structure	Cu. Yds.	4.0

- Notes:**
1. For Key Plan see Sheet No 5-1
 2. Work this Sheet together with Sheets 5-60 & 5-61
 3. For Bar List see Sheet No 5-53
 4. For Sub-Piers see 5-6 & 5-7

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
 ELEVATED HIGHWAY**
 S. LAKE SHORE DRIVE—SOUTHWEST INTERCHANGE
 SECTION SW-1818.6-2P
**E-N ROADWAY TERMINAL STRUCTURE
 ABUTMENT**
 SCALE: AS NOTED
 SHEET NO. 5-59 OF 395 SHEETS
 APR. 1965

DESIGNED BY H.N.
 DRAWN BY K.M. 10.3.63
 CHECKED BY V.B.
 APPROVED BY K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

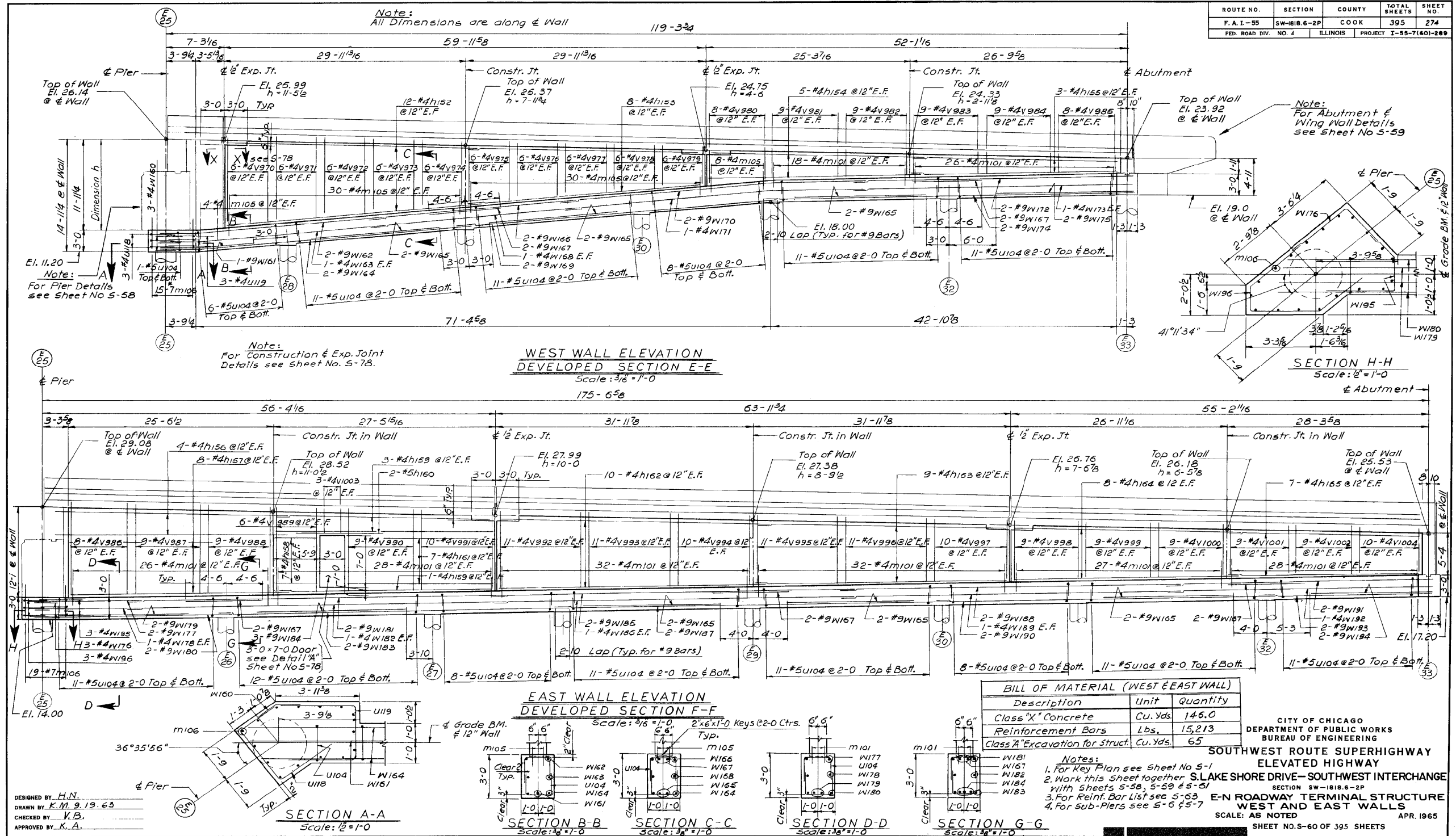
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 157 OF 174 SHEETS

F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	474
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

351-60L70_As-Builts.dgn

FOR INFORMATION ONLY



1616290274

352-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

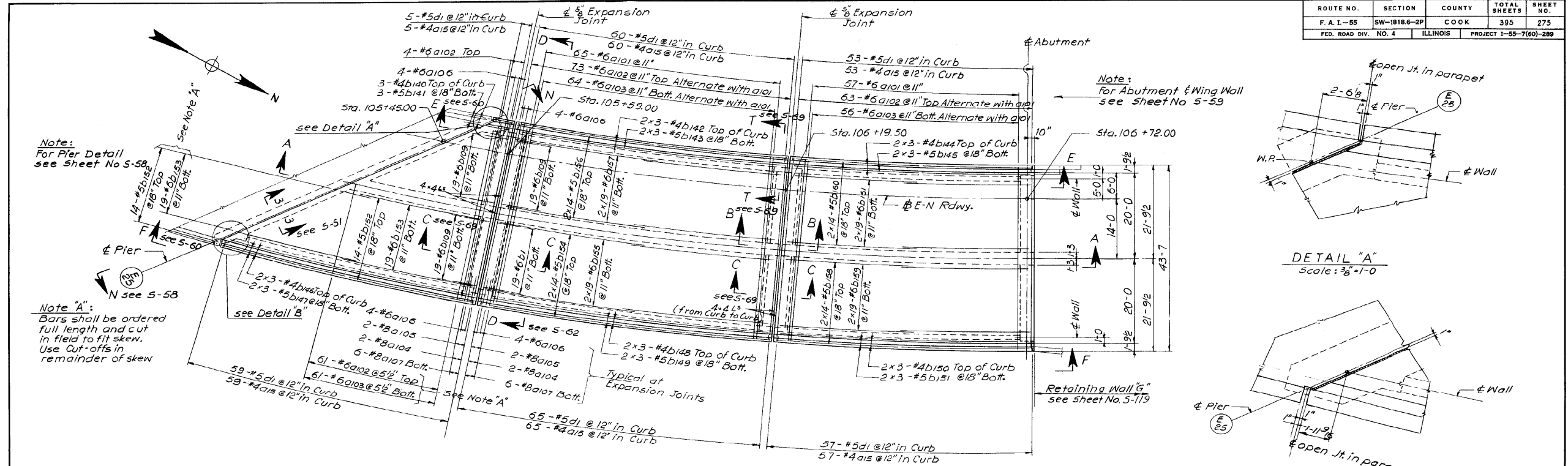
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 158 OF 174 SHEETS

F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 475
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

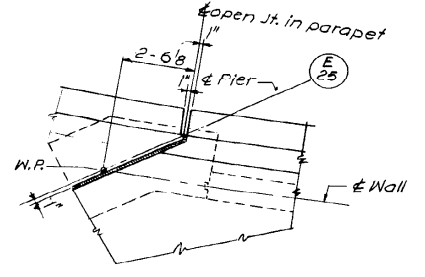
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	275
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-59-7(60)-289		



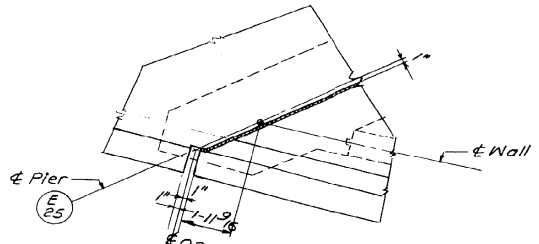
Note:
For Pier Detail
see Sheet No 5-58

Note "A":
Bars shall be ordered
full length and cut
in field to fit skew.
Use Cut-offs in
remainder of skew

Note:
For Abutment & Wing Wall
see Sheet No 5-59

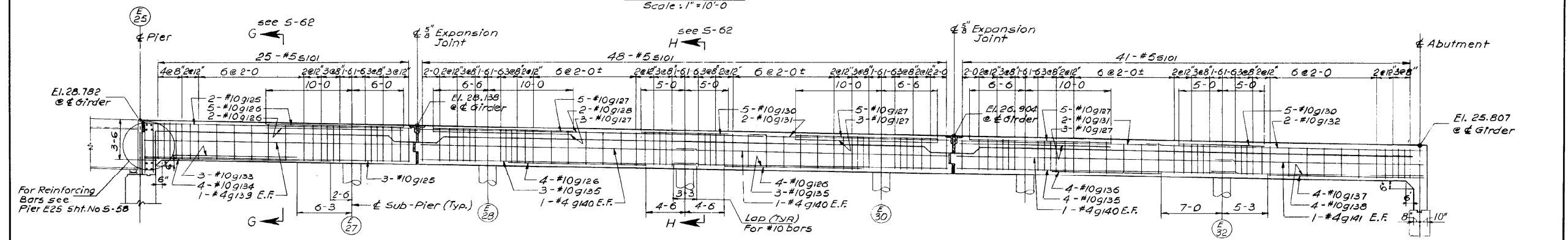


DETAIL "A"
Scale: 3/8" = 1'-0"



DETAIL "B"
Scale: 3/8" = 1'-0"

DECK PLAN
Scale: 1" = 10'-0"



DEVELOPED SECTION A-A
Scale: 3/16" = 1'-0"

BILL OF MATERIAL (DECK ONLY)		
Description	Unit	Quantity
Class "X" Concrete *	Cu. Yds.	325.7
Reinforcement Bars	Lbs.	65211

*includes 15.8 Cu. Yds. of Concrete in Parapet

- Notes:
1. Work this Sheet together with Sheets 5-58, 5-59, 5-60 & 5-62
 2. For Reinforcement Bar List see Sht. No 5-63
 3. For Sub-Pier Location see Sht. No 5-6
 4. For Reinforcement Bar Placement Notes see Sheet No 5-68
 5. For Key Plan see Sht. No 5-1.
- Note:
86-#5dc additional bars at Rolling Posts.
(2-#5dc at each Rolling Post), see Typ. Curb Details on Sheet No 5-69.

CITY OF CHICAGO
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BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
**E-N ROADWAY TERMINAL STRUCTURE
CONCRETE DECK**
SCALE: AS NOTED
SHEET NO. 5-61 OF 395 SHEETS
APR. 1965

1616290275

DESIGNED BY: H.N.
DRAWN BY: K.M. 7.30.63
CHECKED BY: K.B.
APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN - HAY	REVISED -
PLOT DATE = 11/11/2014	CHECKED - ATB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS

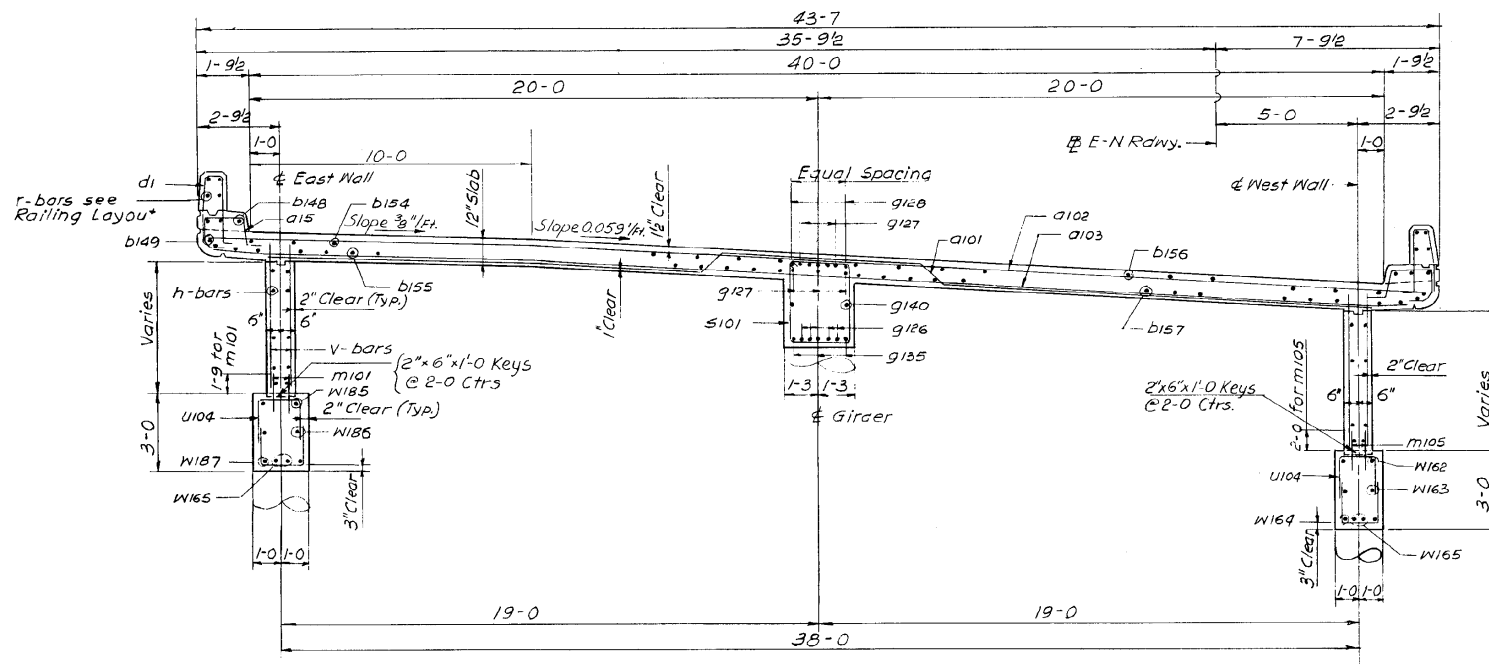
SHEET NO. 159 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	476
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

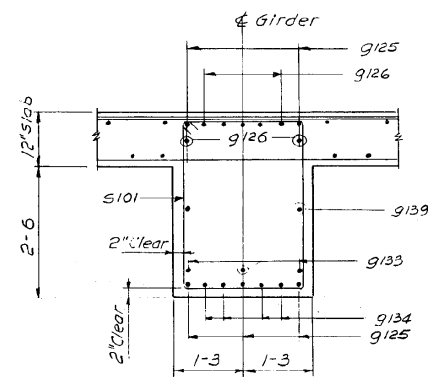
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FOR INFORMATION ONLY

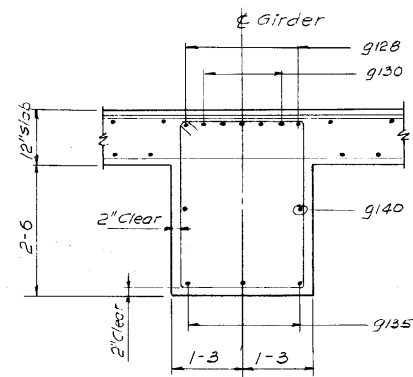
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	276
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT	I-55-7(60)-289	



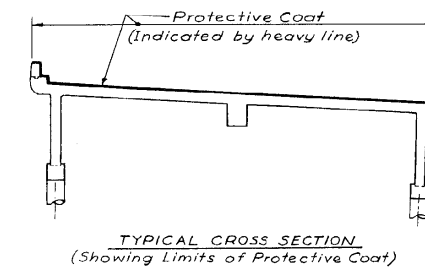
SECTION D-D
Scale: 3/8" = 1'-0"



SECTION G-G
Scale: 3/4" = 1'-0"



SECTION H-H
Scale: 3/4" = 1'-0"



Notes:
Work this Sheet together with Sheet S-61
For Curb Detail see S-69.

DESIGNED BY H.N.
DRAWN BY K.M. 10.5.63
CHECKED BY V.B.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE - SOUTHWEST INTERCHANGE**
SECTION SW-1818.6-2P
**E-N ROADWAY TERMINAL STRUCTURE
SECTIONS**
SCALE: AS NOTED. APR. 1965
SHEET NO. 5-62 OF 395 SHEETS

1616290276

354-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

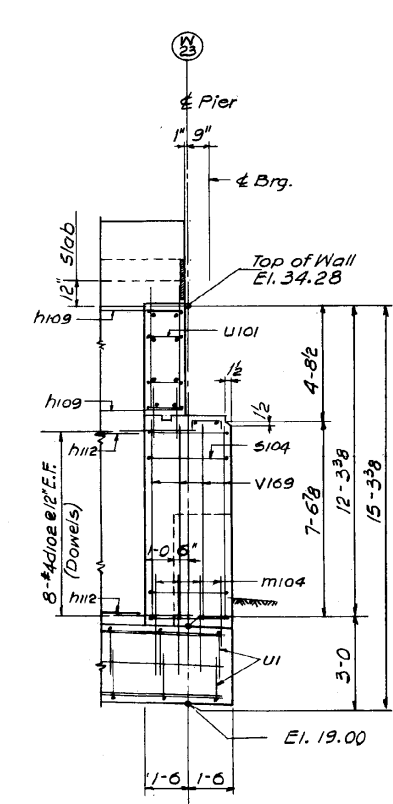
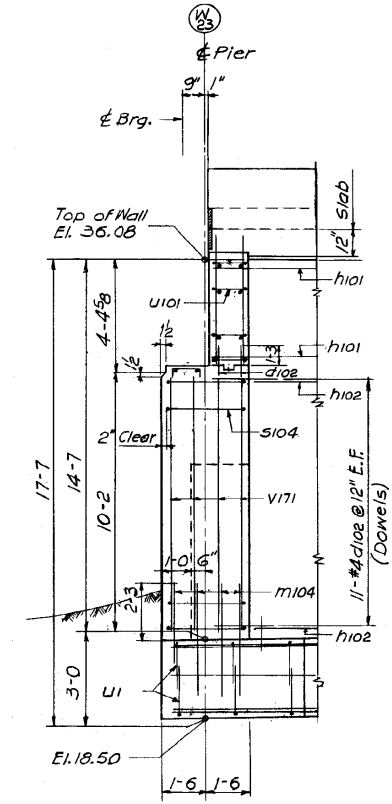
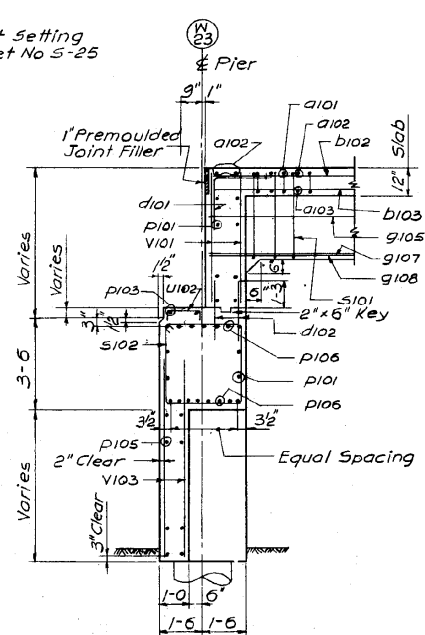
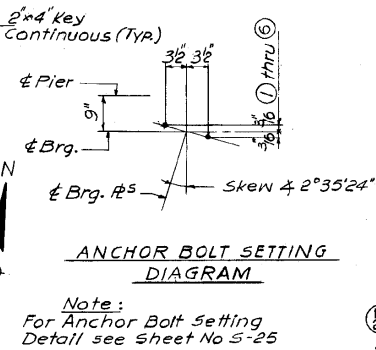
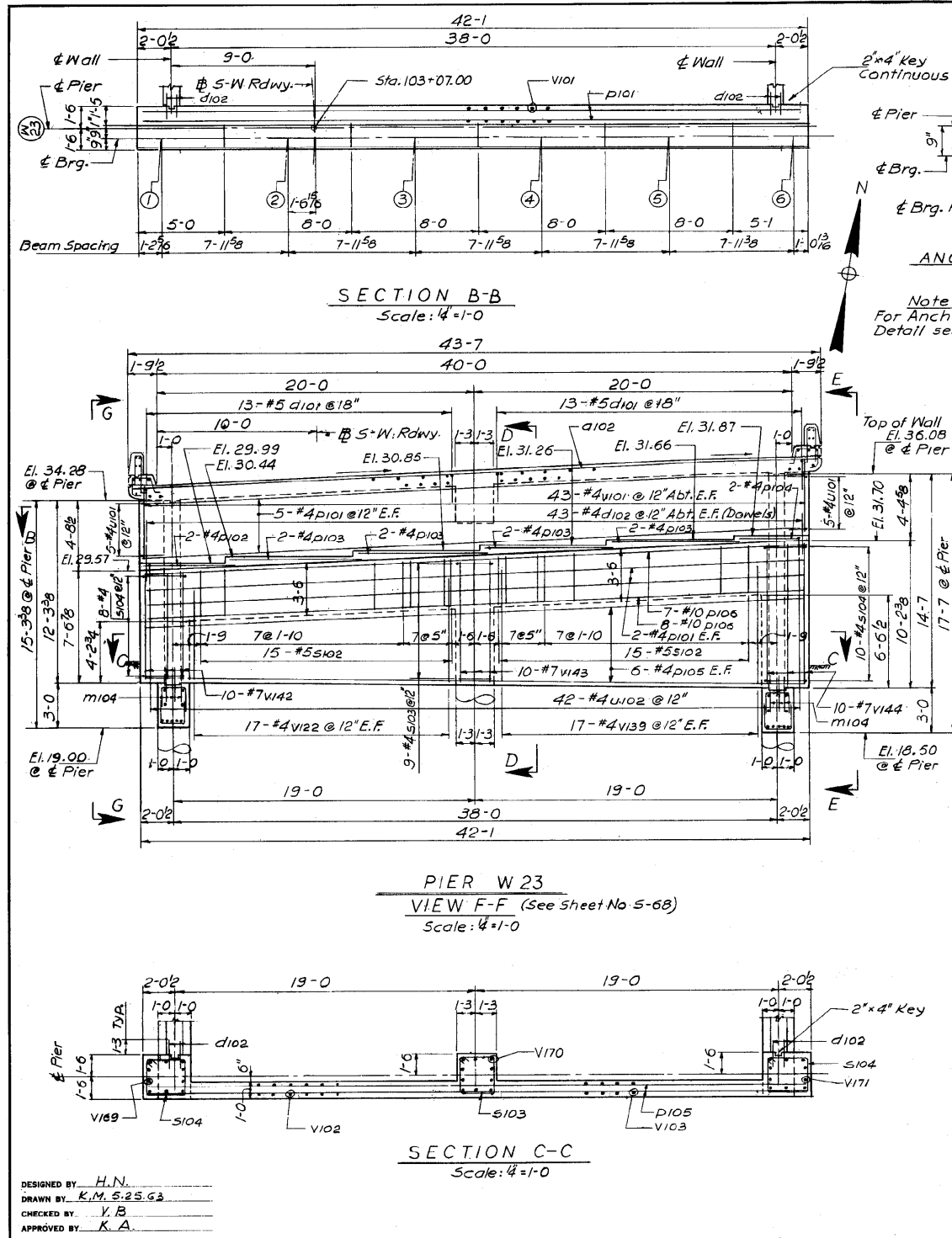
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
SHEET NO. 160 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	477
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	278
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



BILL OF MATERIAL (PIER W23 ONLY)

Description	Unit	Quantity
Class "X" Concrete	Cu. Yds.	30.6
Reinforcement Bars	Lbs.	4,882
Class "A" Excavation for Struct.	Cu. Yds.	5

Notes:
For Key Plan see Sheet No 5-2
For Sub-Piers see Sheet No 5-6 & 5-7
For Reinforcement Bar List see Sheet No 5-70
Work this Sheet together with Sheets 5-65 thru 5-69

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
**S-W ROADWAY TERMINAL STRUCTURE
PIER W23**
SCALE: AS NOTED APR. 1965
SHEET NO 5-64 OF 395 SHEETS

1616290278

355-60170_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

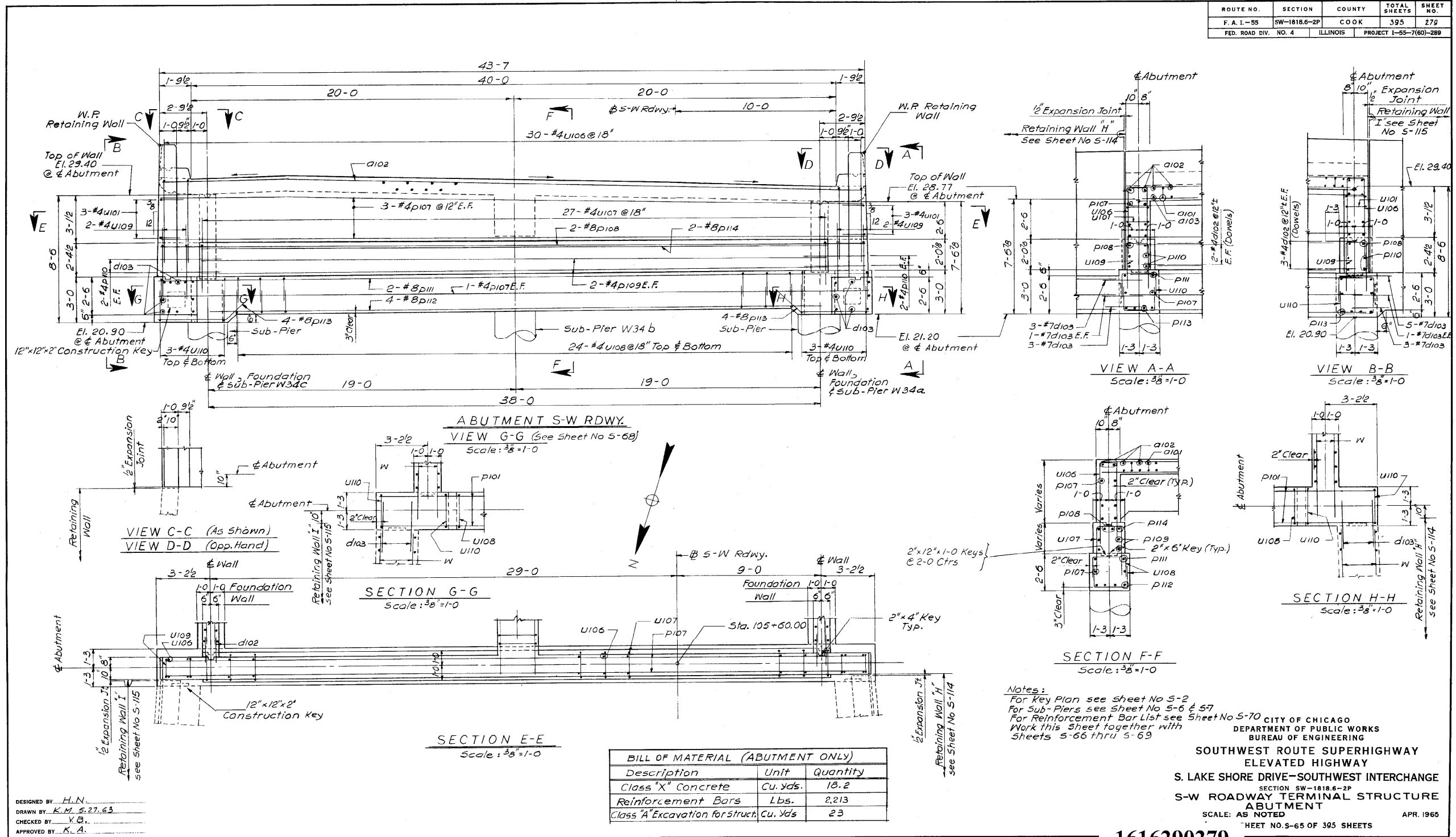
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 161 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	478
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-1818.6-2P	COOK	395	279
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



1616290279

356-60L70_As-Built.s.dgn



USER NAME = auyeungh
DESIGNED -
CHECKED -
PLOT SCALE =
DRAWN - HAY
CHECKED - ATB
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

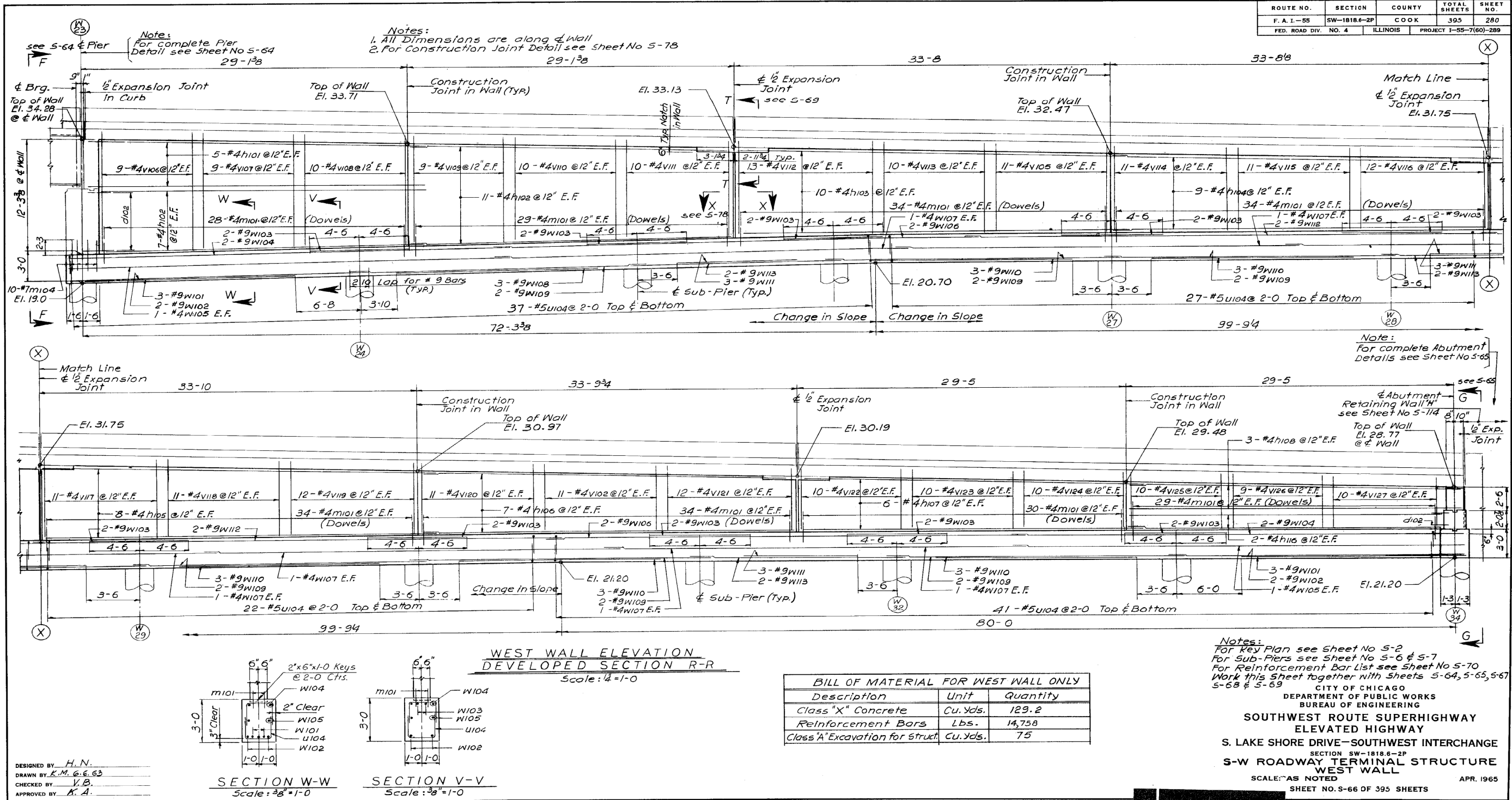
AS-BUILTS

SHEET NO. 162 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	479
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	280
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



1616290280

357-60L70_As-Builts.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
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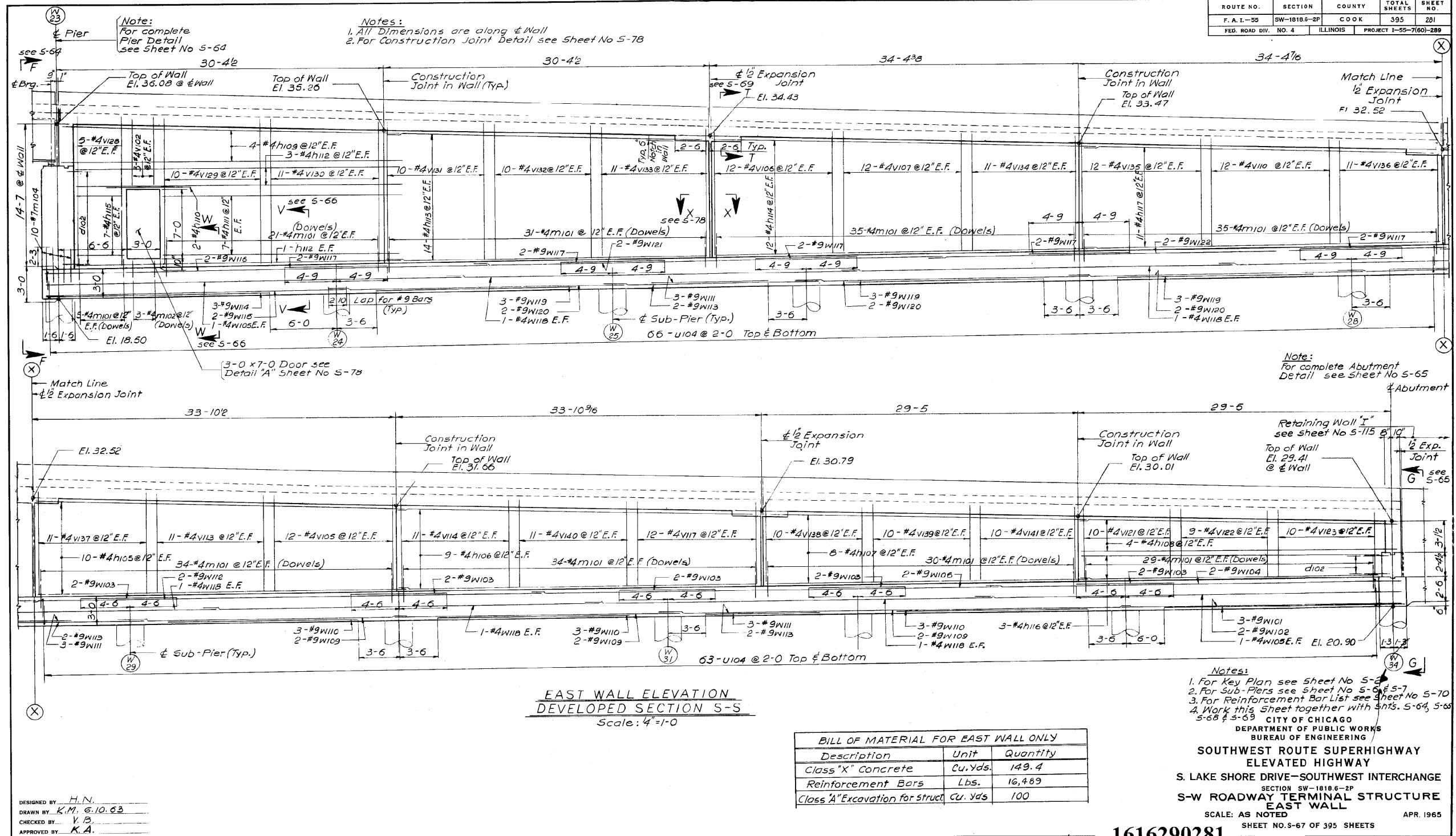
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 163 OF 174 SHEETS

F. A. I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	480
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	201
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



DESIGNED BY: H.N.
 DRAWN BY: K.M. 6.10.63
 CHECKED BY: V.B.
 APPROVED BY: K.A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

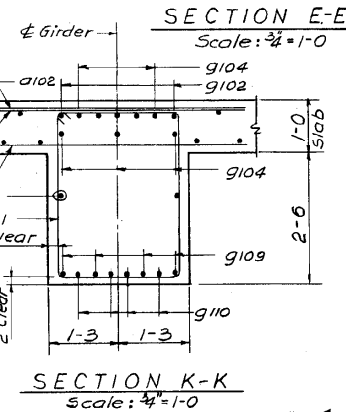
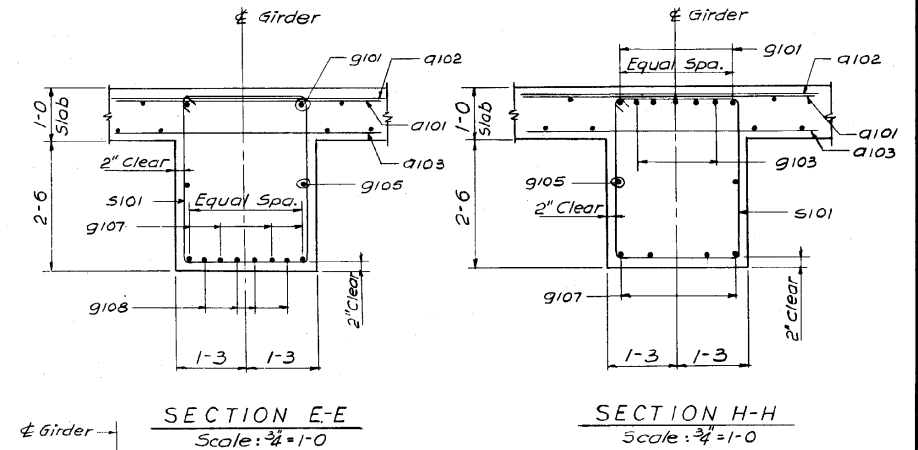
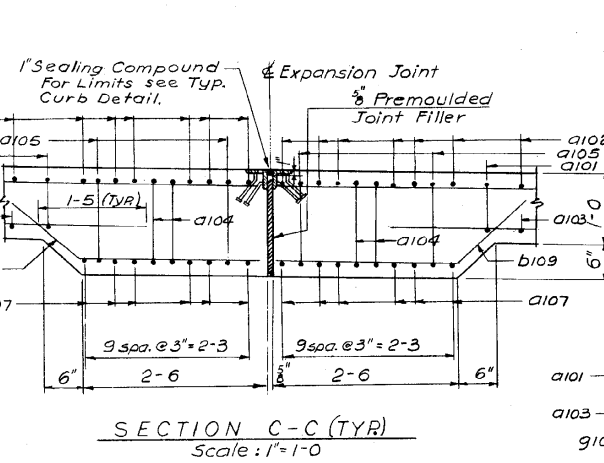
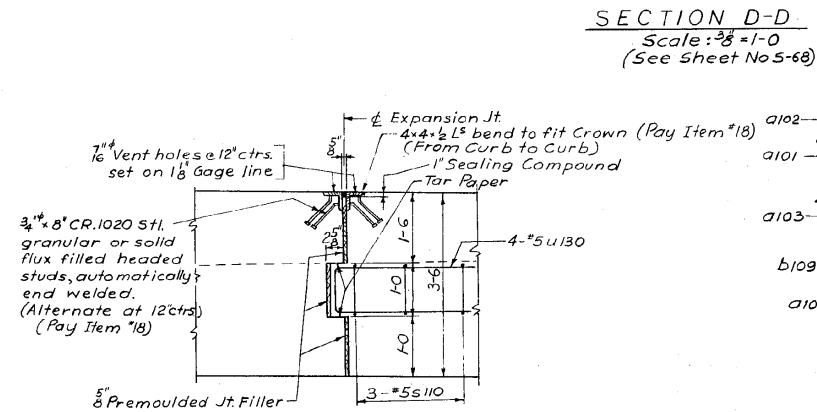
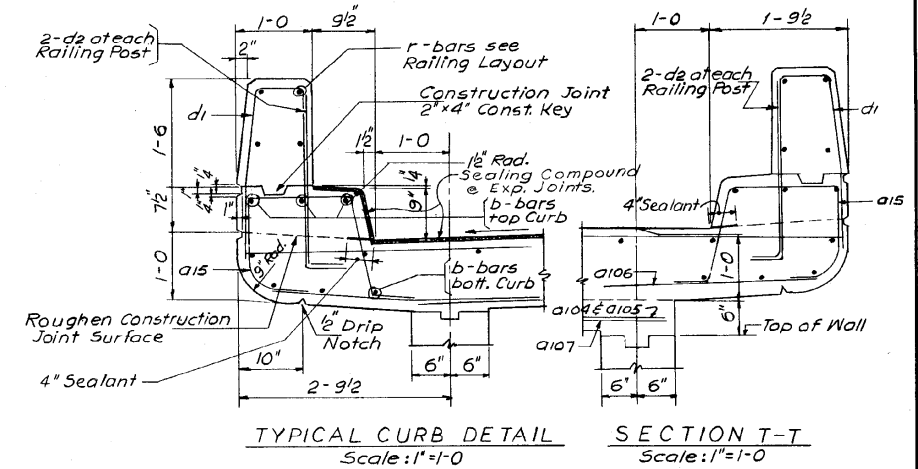
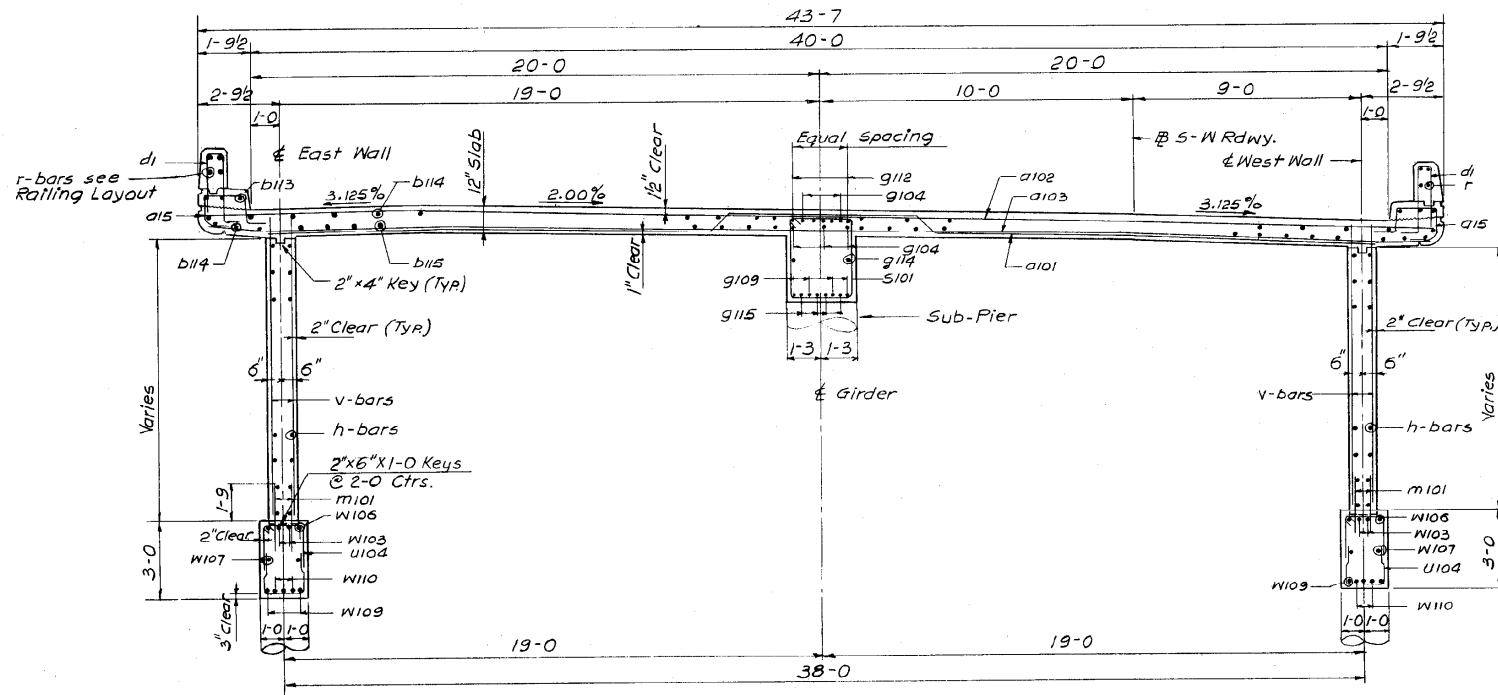
AS-BUILTS
SHEET NO. 164 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	481
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

358-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. L-55	SW-1818.6-2P	COOK	395	283
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



NOTE:
For Protective Coat Limits
see Typical Cross Section on sh. 5-62.

DESIGNED BY H.N.
DRAWN BY K.M. 6.5.63
CHECKED BY V.B.
APPROVED BY K.A.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
S-W ROADWAY TERMINAL STRUCTURE
SECTIONS AND DETAILS
SCALE: AS NOTED
APR. 1965
SHEET NO. 3-69 OF 395 SHEETS

1616290283



USER NAME = auyeungh
DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
PLOT SCALE =
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
REVISED -
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REVISED -
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DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
REVISED -
REVISED -
REVISED -
REVISED -

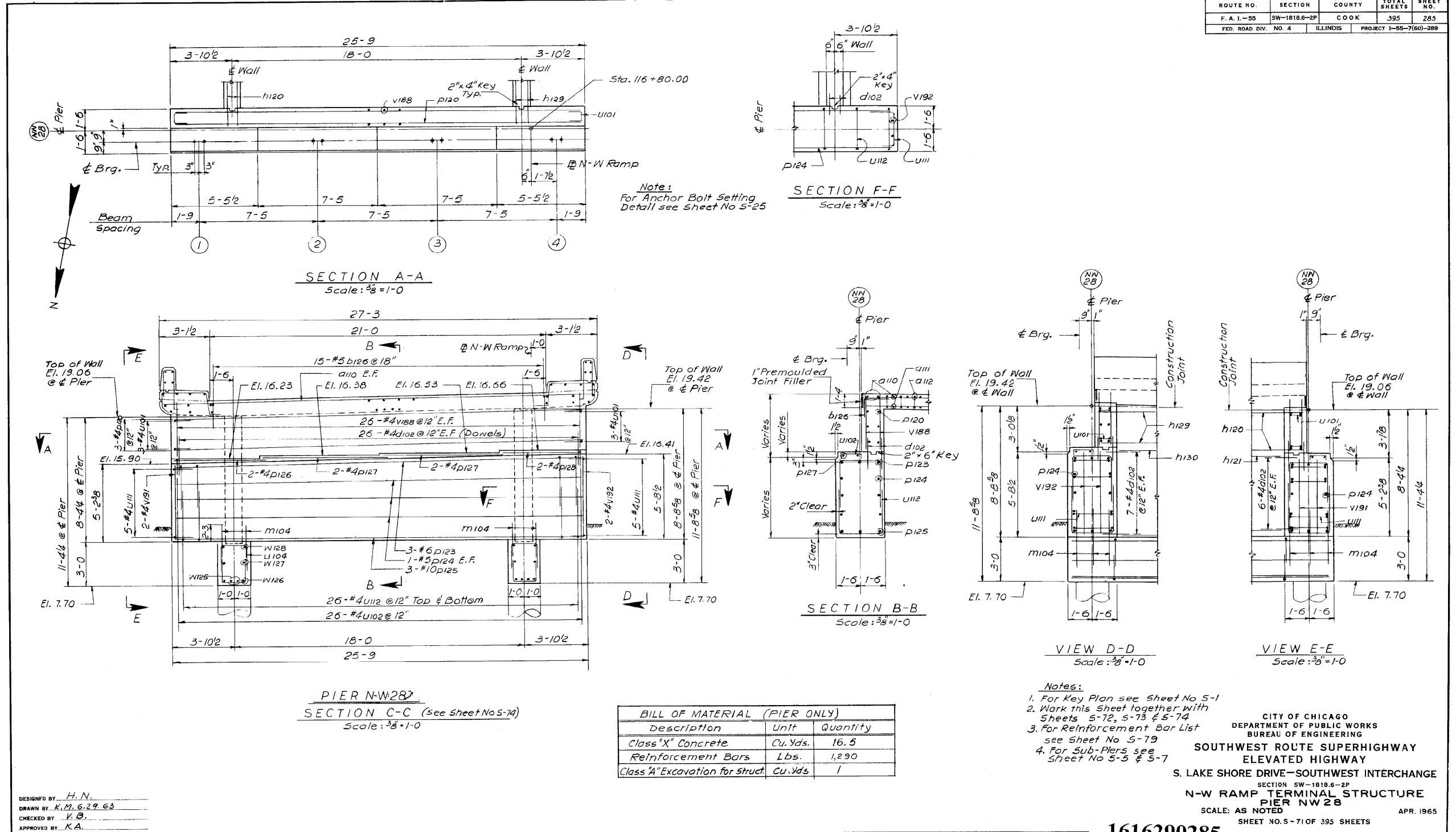
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 166 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	483
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	285
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



DESIGNED BY H. N.
 DRAWN BY K. M. 6.29.63
 CHECKED BY K. B.
 APPROVED BY K. A.



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

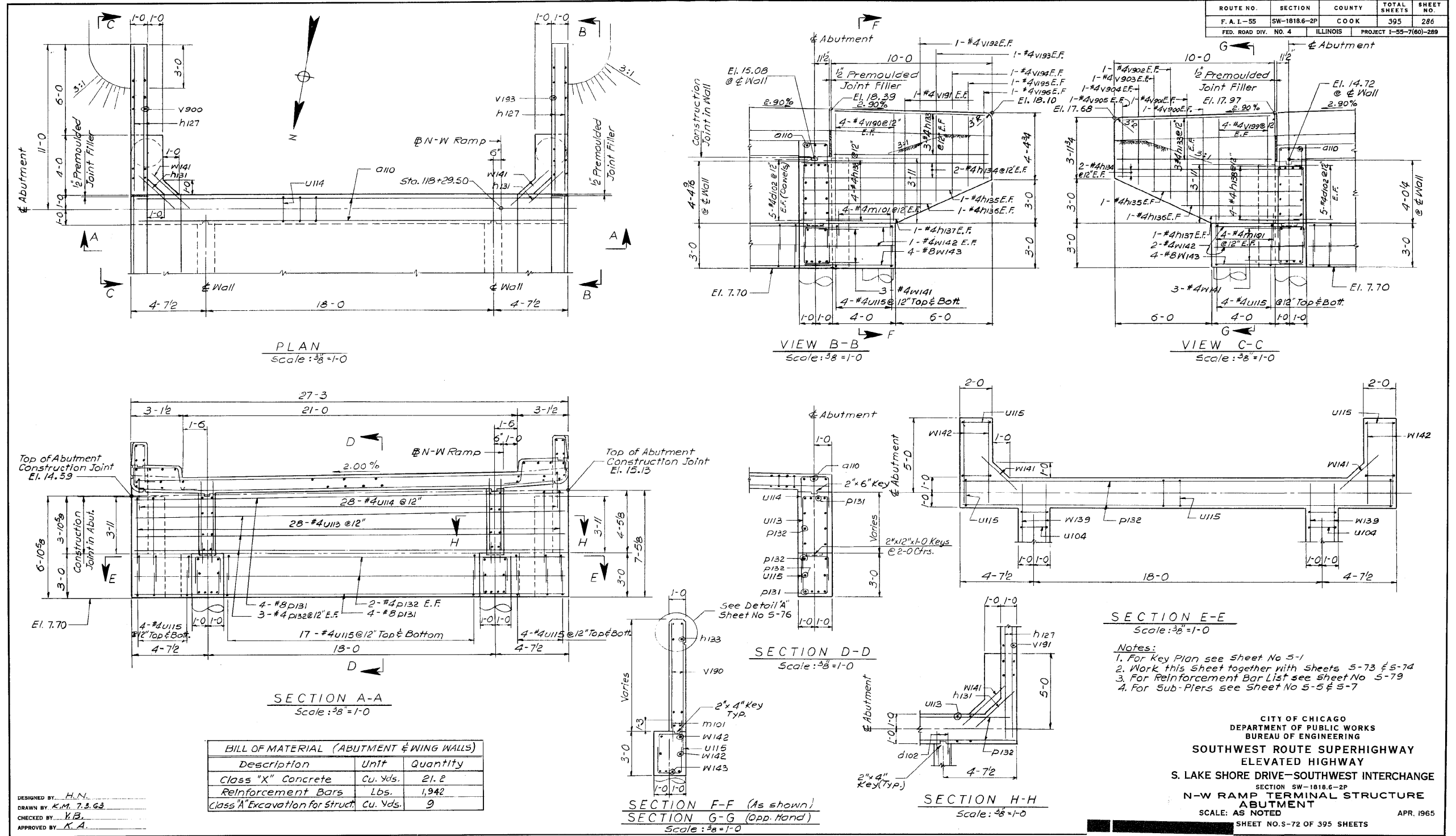
AS-BUILTS
SHEET NO. 167 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	484
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

361-60L70_As-Builts.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	286
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT I-55-7(60)-289		



1616290286



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
DESIGNED BY - H.N.	DRAWN - HAY	REVISED -
DRAWN BY - K.M. 7.3.63	CHECKED - ATB	REVISED -
CHECKED BY - Y.B.		
APPROVED BY - K.A.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

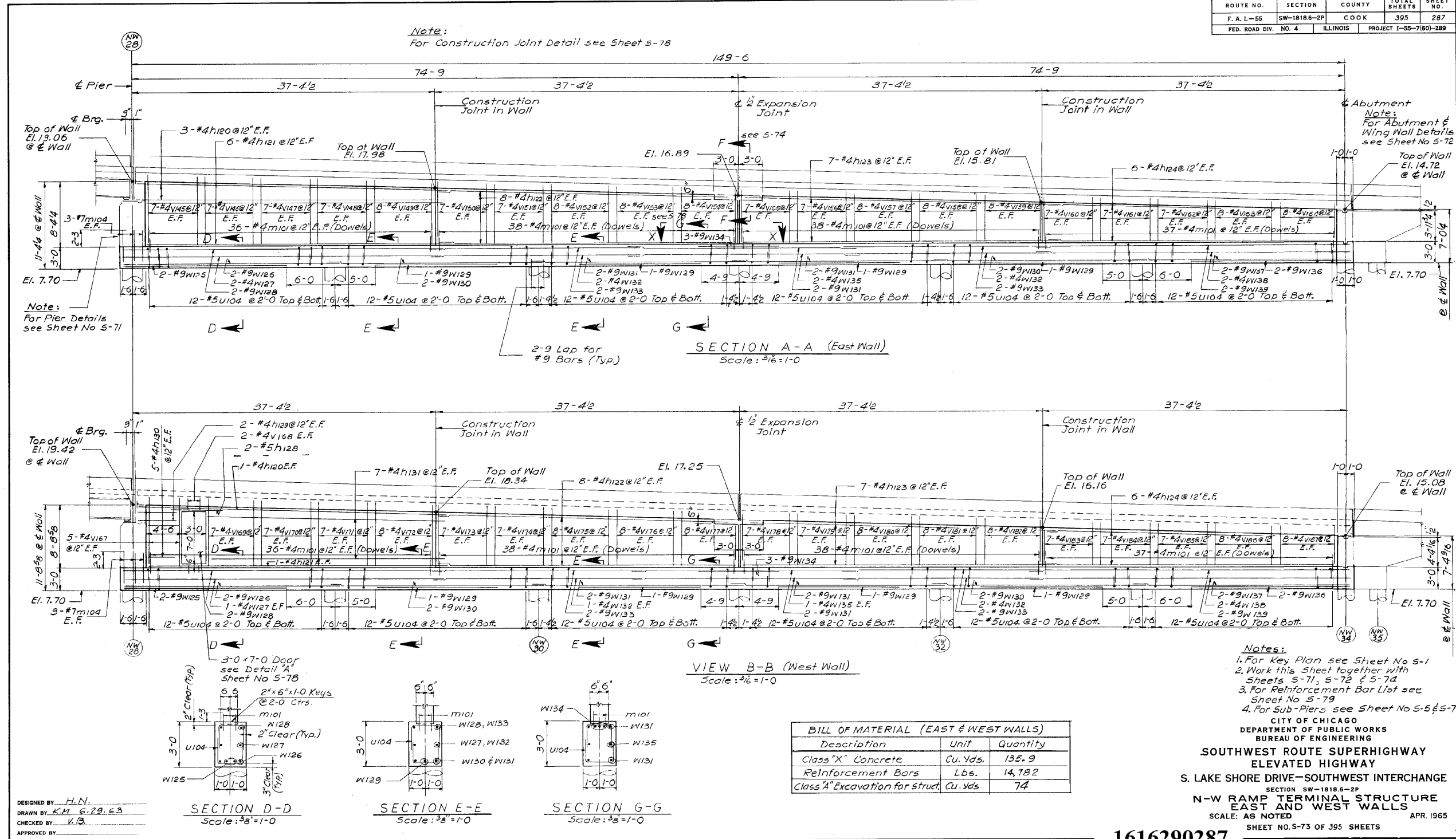
AS-BUILTS
SHEET NO. 168 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	485
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

362-60L70...As-Built.s.dgn

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I.-55	SW-1818-2P	COOK	395	287
FED. ROAD DIV. NO. 4		ILLINOIS	PROJECT I-55-7(60)-289	



1616290287

363-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

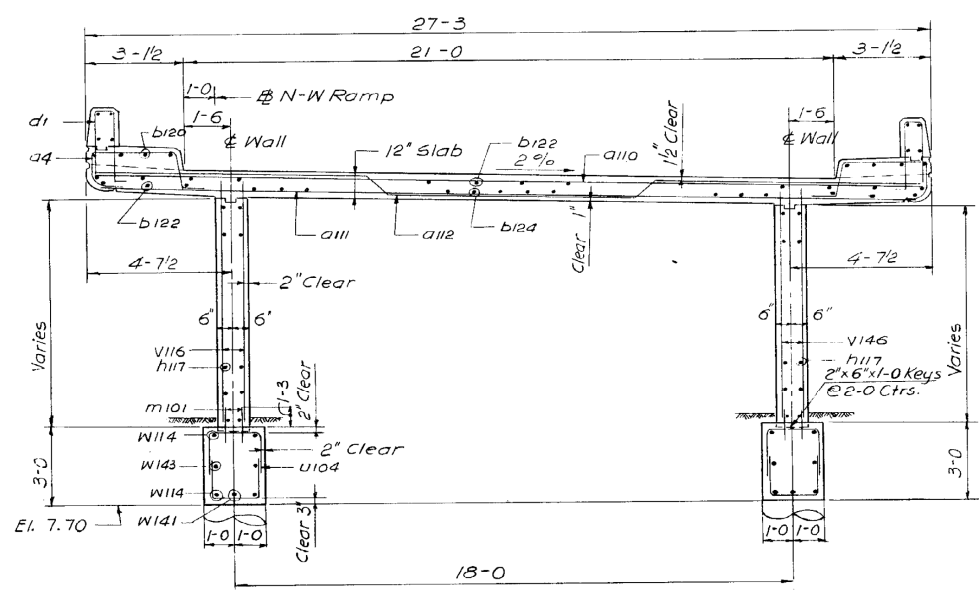
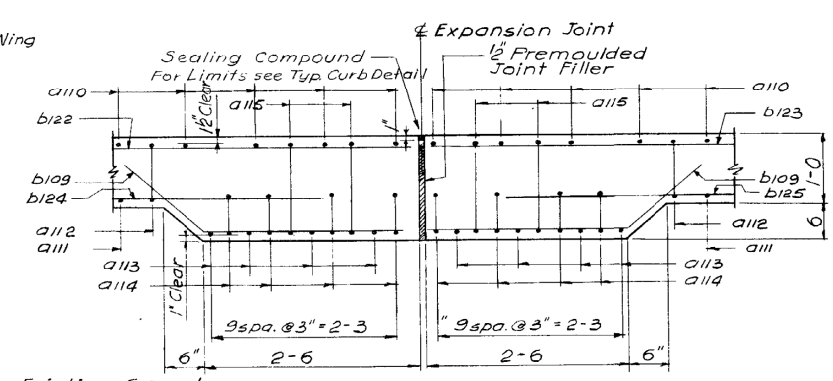
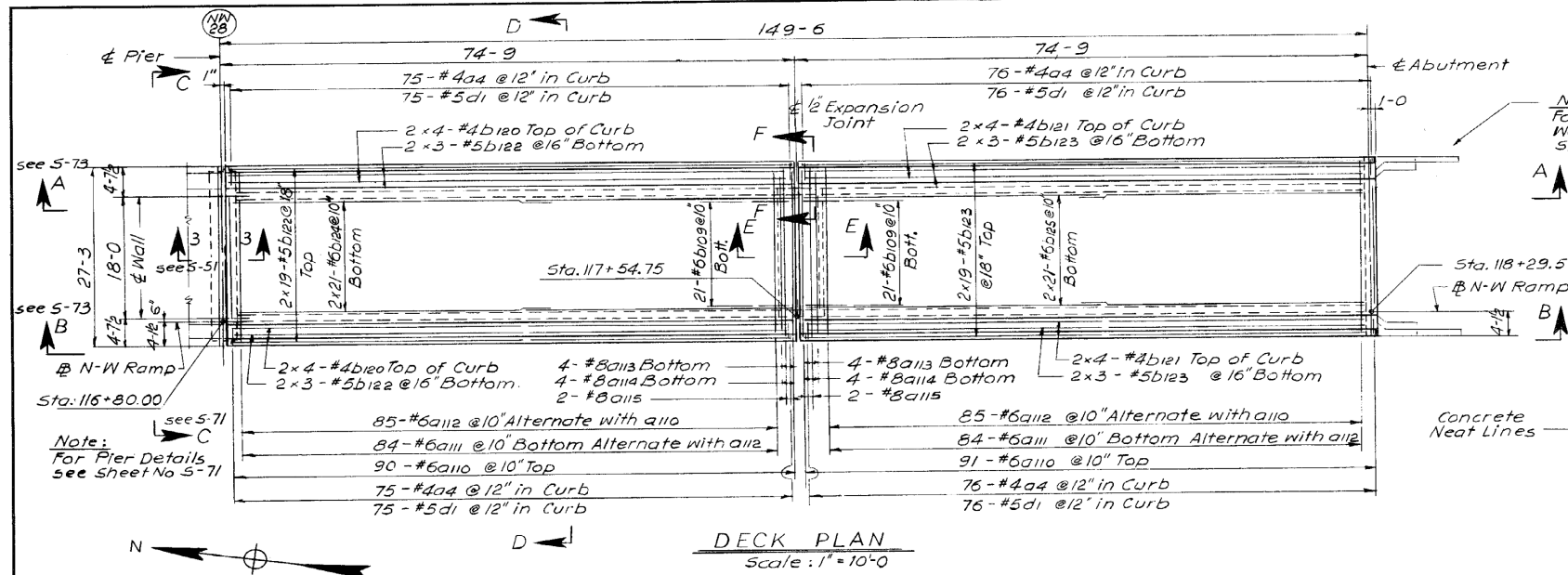
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
SHEET NO. 169 OF 174 SHEETS

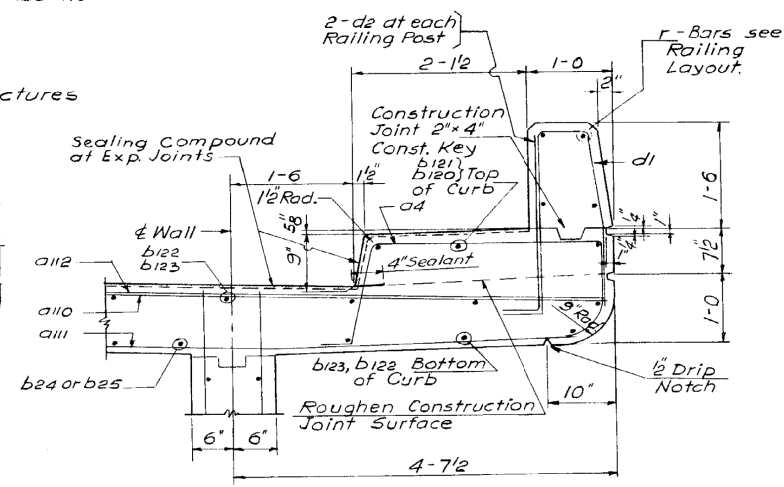
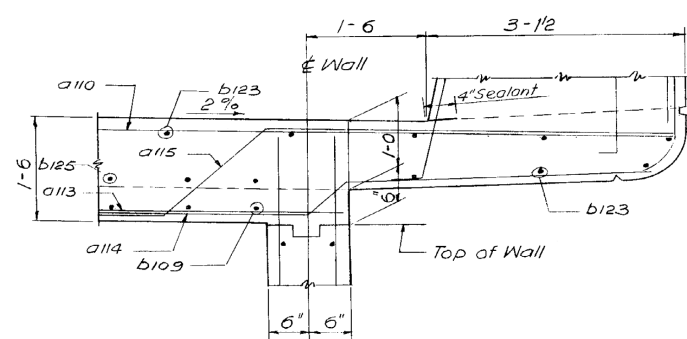
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	486
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I.-55	SW-18186-2P	COOK	395	288
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



PAY LIMITS
For Class "A" Excavation for Structures



- Notes:**
- For Key Plan see Sheet No 5-1
 - Work this Sheet together with Sheets 5-71, 5-72 & 5-73
 - For Reinforcement Bar List see Sheet No 5-79
 - For Reinforcement Bar Placement Notes see Sheet No. 5-68.
 - For Protective Coat Limits - see Typical Cross Section on Sh. 5-78.

BILL OF MATERIAL (DECK ONLY)		
Description	Unit	Quantity
Class "X" Concrete *	Cu. Yds.	196.6
Reinforcement Bars	Lbs.	35,897

* includes 15.4 Cu. Yds. of Concrete in Parapet.

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
**SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY**
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-18186-2P
**N-W RAMP TERMINAL STRUCTURE
CONCRETE DECK**
SCALE: AS NOTED
SHEET NO. 5-74 OF 395 SHEETS
APR. 1965

1616290288

DESIGNED BY H.N.
DRAWN BY K.M. 6.26.63
CHECKED BY V.B.
APPROVED BY K.A.

364-60L70...As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

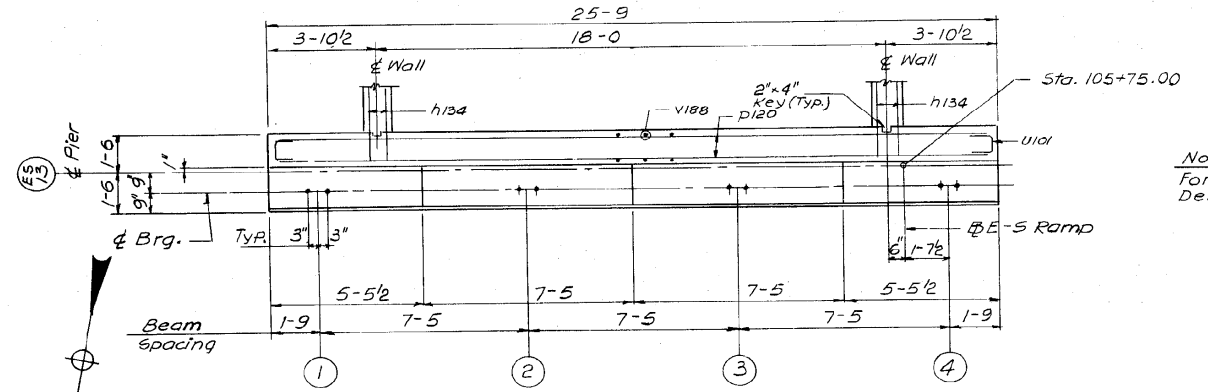
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 170 OF 174 SHEETS

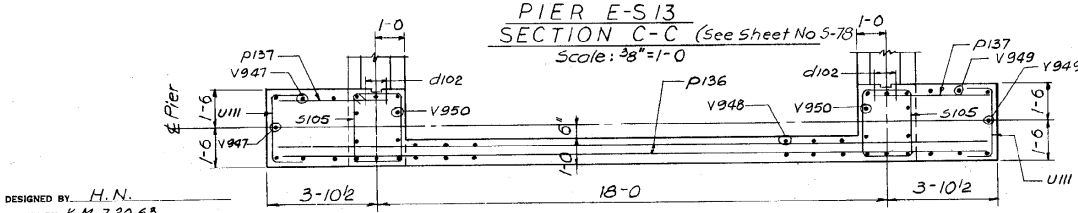
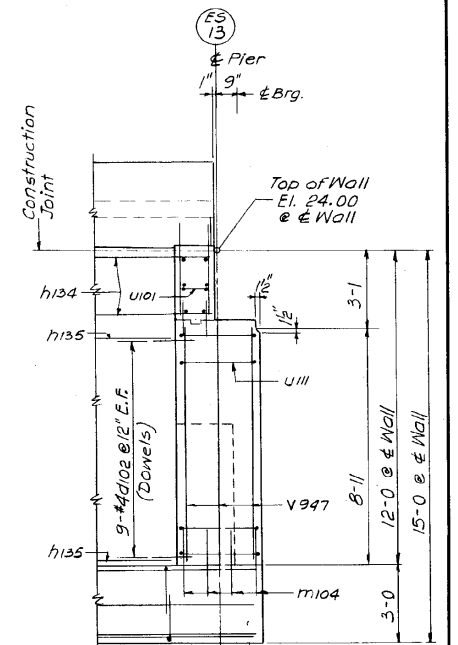
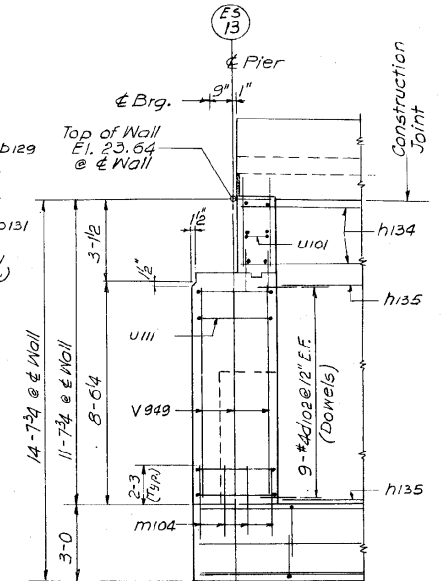
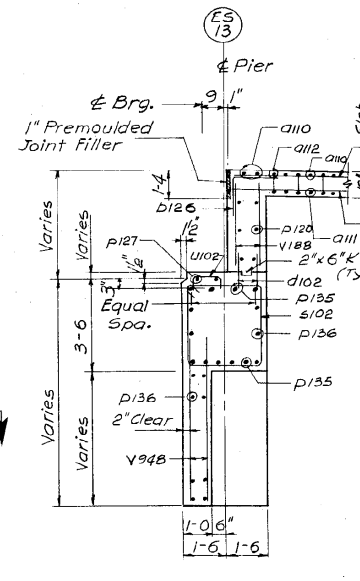
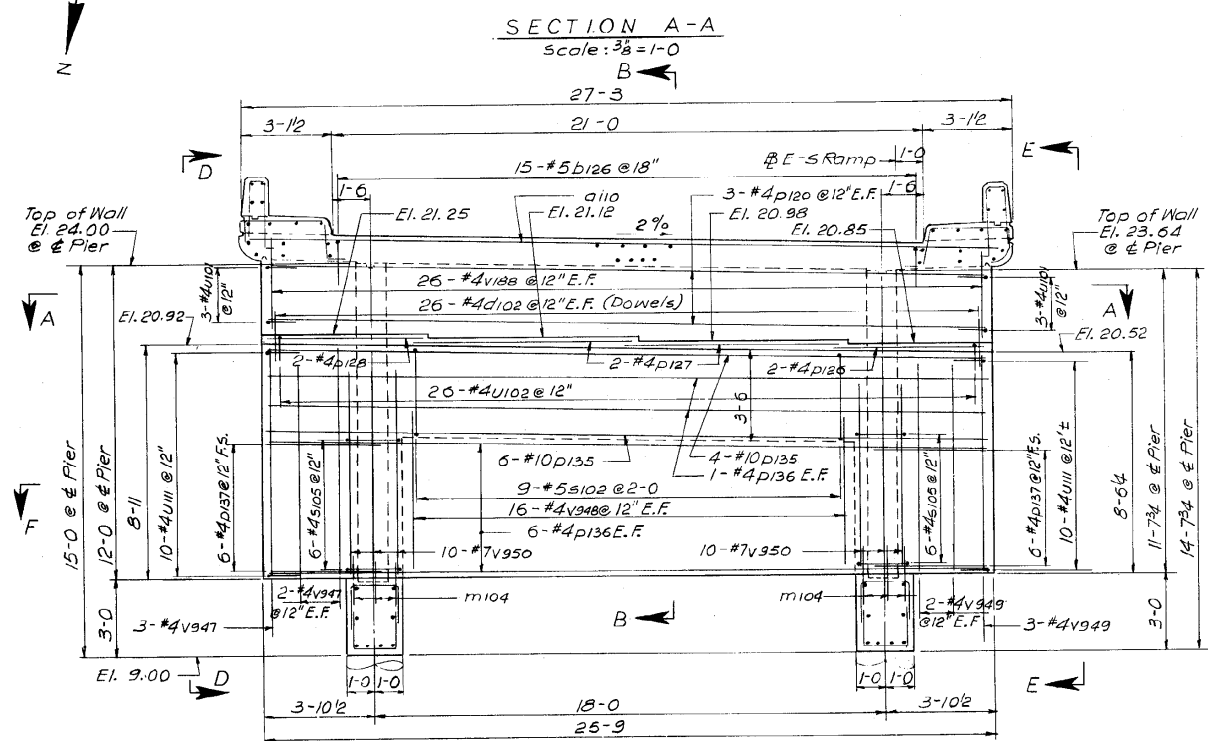
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55	2010-080-B	COOK	886	487
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818.6-2P	COOK	395	289
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		



Note:
For Anchor Bolt Setting
Detail see Sheet No S-25



DESIGNED BY H.N.
DRAWN BY K.M. 7.20.63
CHECKED BY V.B.
APPROVED BY K.A.

BILL OF MATERIAL (PIER ONLY)		
Description	Unit	Quantity
Class "X" Concrete	Cu. Yds.	19.7
Reinforcement Bars	Lbs.	2,448
Class "A" Excavation for Struct.	Cu. Yds.	5

- Notes:
- For Key Plan see Sheet No S-1
 - Work this sheet together with sheets S-76, S-77 & S-78
 - For Reinforcement Bar List see Sheet No S-79
 - For Sub-Piers see Sheet No S-5 & S-7

CITY OF CHICAGO
DEPARTMENT OF PUBLIC WORKS
BUREAU OF ENGINEERING
SOUTHWEST ROUTE SUPERHIGHWAY
ELEVATED HIGHWAY
S. LAKE SHORE DRIVE-SOUTHWEST INTERCHANGE
SECTION SW-1818.6-2P
E-S RAMP TERMINAL STRUCTURE
PIER ES 13
SCALE: AS NOTED APR. 1965
SHEET NO. S-75 OF 395 SHEETS

1616290289

365-60L70_As-Built.s.dgn



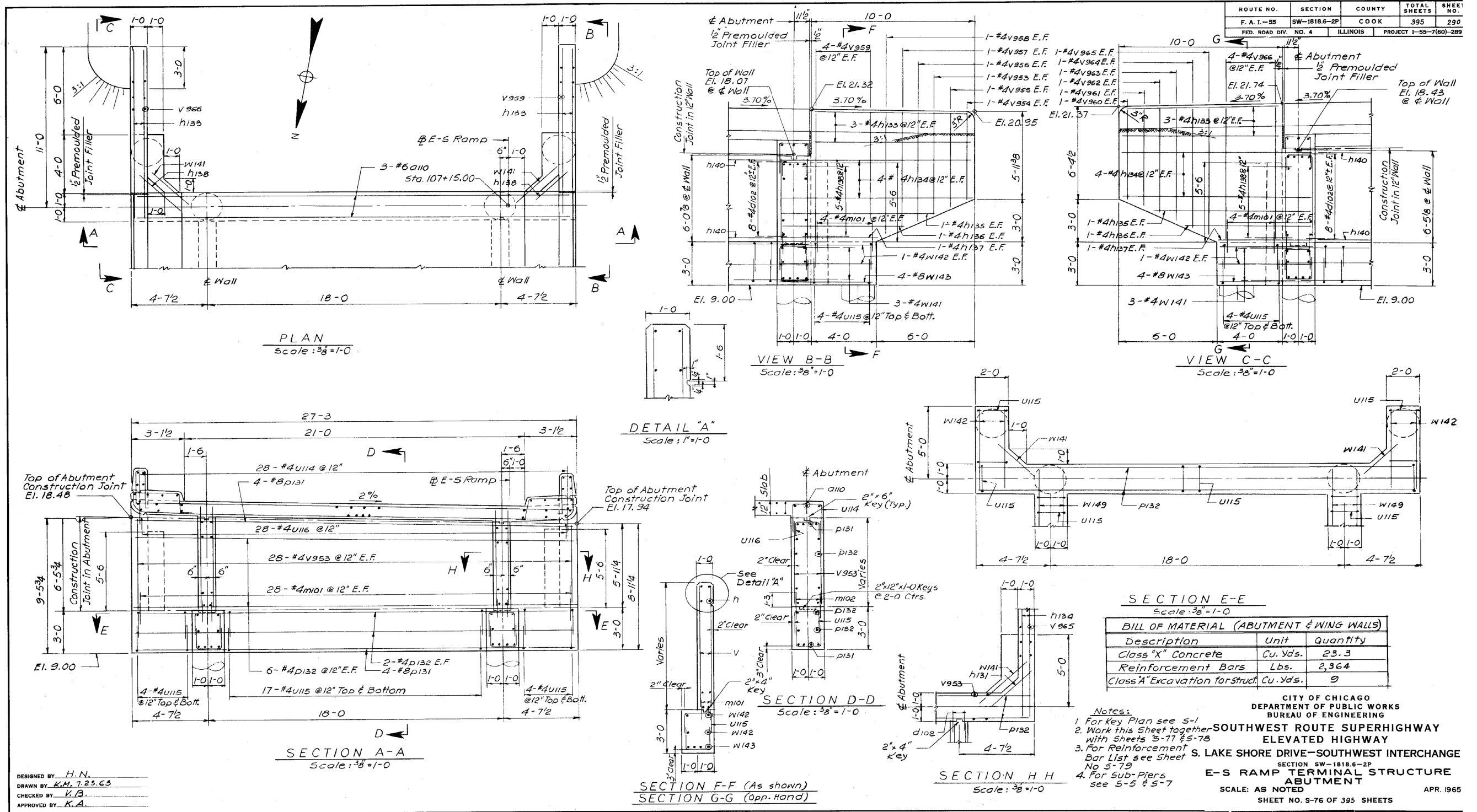
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
SHEET NO. 171 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	488
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



366-60L70_As-Built.s.dgn



USER NAME = auyeungh	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

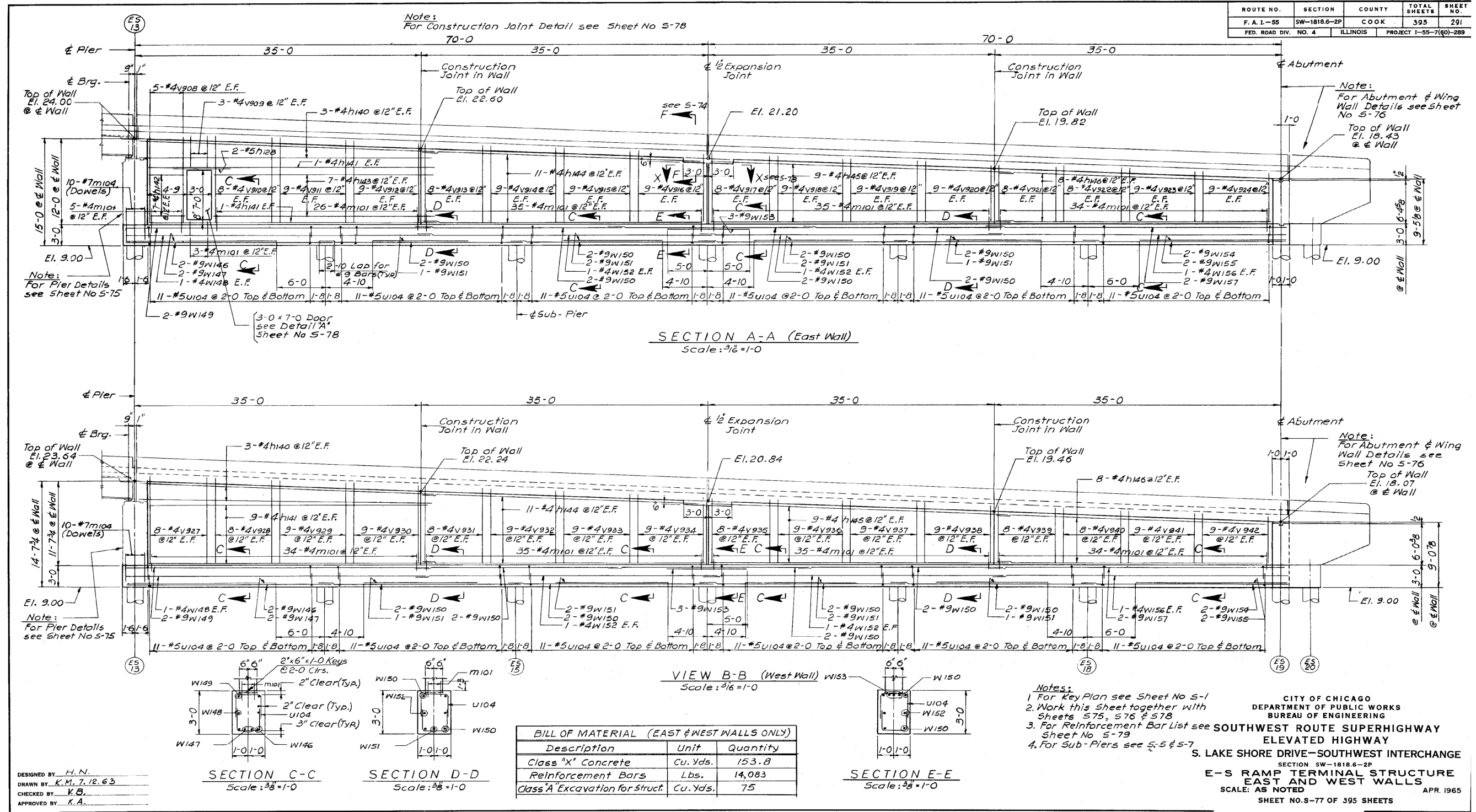
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

AS-BUILTS
 SHEET NO. 172 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	489
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				

1616290290

FOR INFORMATION ONLY



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F. A. I. - 55	SW-1818-2P	COOK	395	291
FED. ROAD DIV. NO. 4	ILLINOIS	PROJECT 1-55-7(60)-289		

DESIGNED BY: H.N.
 DRAWN BY: K.M. 7.12.63
 CHECKED BY: K.B.
 APPROVED BY: K.A.

CITY OF CHICAGO
 DEPARTMENT OF PUBLIC WORKS
 BUREAU OF ENGINEERING

**S. LAKE SHORE DRIVE - SOUTHWEST INTERCHANGE
 ELEVATED HIGHWAY**

SECTION SW-1818-2P
**E-S RAMP TERMINAL STRUCTURE
 EAST AND WEST WALLS**

SCALE: AS NOTED
 SHEET NO. 8-77 OF 395 SHEETS
 APR. 1965

1616290291

367-60L70_As-Built.s.dgn



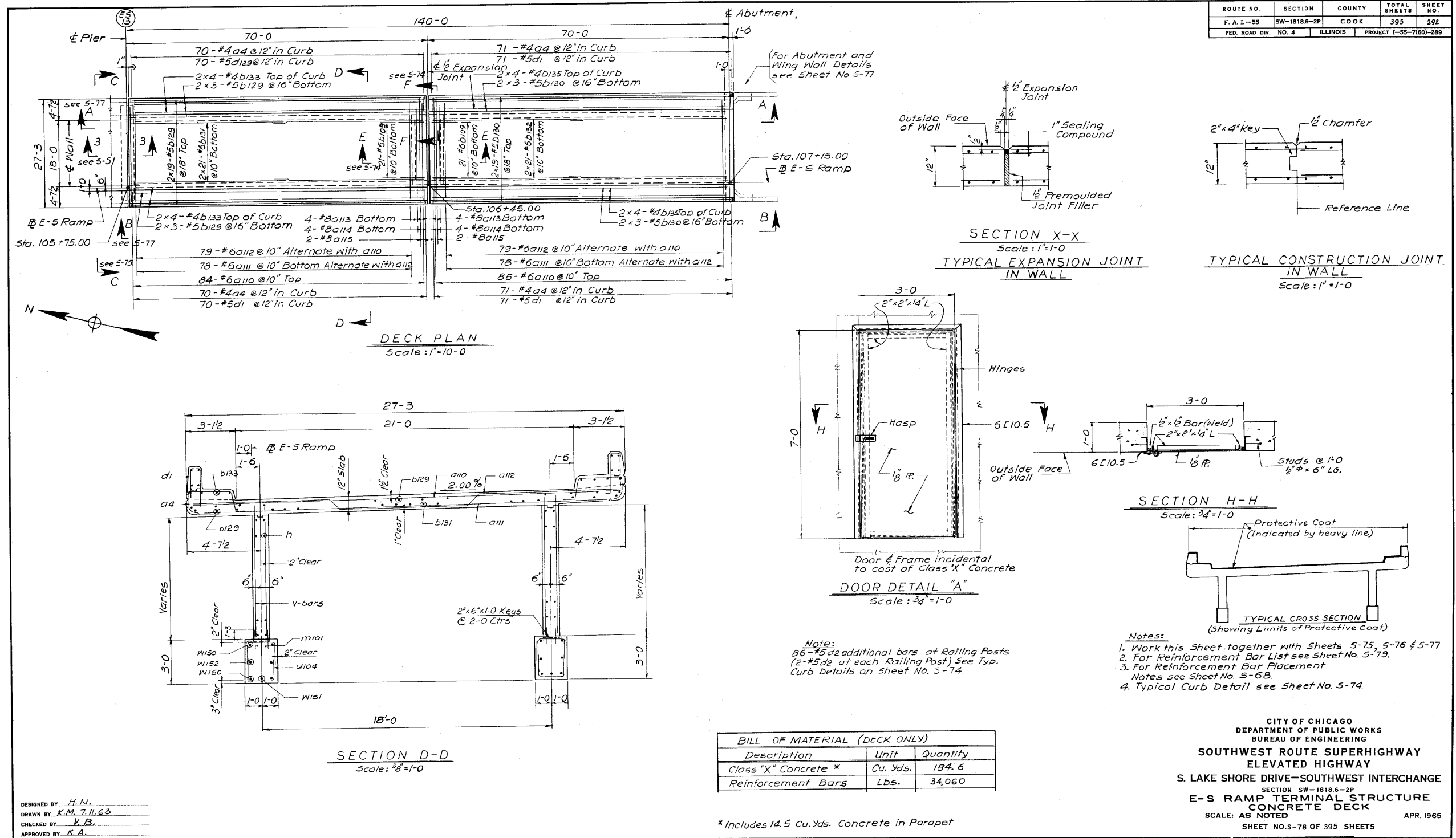
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PLOT DATE = 11/11/2014	DRAWN - HAY	REVISED -
	CHECKED - ATB	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

AS-BUILTS
 SHEET NO. 173 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	490
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



1616290292



USER NAME = auyeungh
DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB
PLOT DATE = 11/11/2014

DESIGNED -
CHECKED -
DRAWN - HAY
CHECKED - ATB

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS

SHEET NO. 174 OF 174 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	491
CONTRACT NO. 60L70				

ILLINOIS FED. AID PROJECT

D-91-002-11



LOCATION OF SECTION INDICATED THUS: -

AECOM 303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, IL 60601-5276
PHONE: (312) 373-7700
FAX: (312) 373-6800

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 13, 2014

John F. Johnson
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

ENGINEER OF DESIGN AND ENVIRONMENT

DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

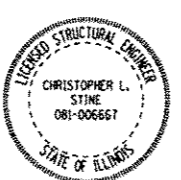
F.A.I. ROUTE 55 (STEVENSON EXPRESSWAY)
SECTION: 2010-080-B
PROJECT:
RECONSTRUCTION OF I-55 AND
US 41 (LAKE SHORE DRIVE) INTERCHANGE
COOK COUNTY
C-91-002-11

FOR INDEX OF SHEETS AND STANDARDS SEE SHEET NO. 2 IN VOLUME I

LOCATION:	ADT (2040):	DESIGN DESIGNATIONS:	POSTED /DESIGN SPEEDS:
SB I-55	63,000	4970 (40) INTERSTATE 5.57(PCC-20)	45 /50 MPH
RAMP NW	22,000	2100 (40) INTERSTATE (RAMP) 1.84(PCC-20)	35 /35 MPH
RAMP SW	41,000	3250 (40) INTERSTATE (RAMP) 3.24(PCC-20)	35 /35 MPH



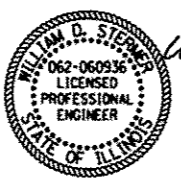
Michael J. Eichten 8/11/14
MICHAEL J. EICHEN, P.E. DATE
LICENSE EXPIRES 11/30/2015
SHEET RANGE



Chris L. Stine 8/11/14
CHRIS L. STINE, P.E., S.E. DATE
LICENSE EXPIRES 11/30/2014
SHEET RANGE



Amish T. Bhatt 8/11/14
AMISH T. BHATT, P.E., S.E. DATE
LICENSE EXPIRES 11/30/2014
SHEET RANGE



William D. Stermer 8/6/14
WILLIAM D. STERMER, P.E. DATE
LICENSE EXPIRES 11/30/2015
SHEET RANGE

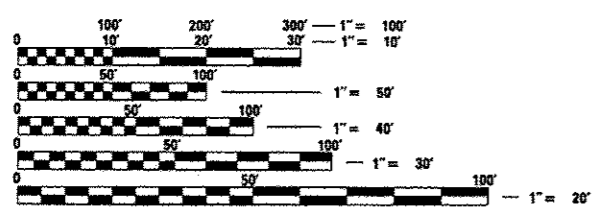


Mohsen Farahany 8/6/14
MOHSEN FARAHANY, P.E./S.E. DATE
LICENSE EXPIRES 11/30/2014
SHEET RANGE



Edward E. Yousof 8/8/14
EDWARD E. YOUSOF, P.E. DATE
LICENSE EXPIRES 11/30/2015
SHEET RANGE

PROJECT LOCATED IN CITY OF CHICAGO



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

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

PROJECT ENGINEER - LISA CHRZASC
PROJECT MANAGER - BRIAN KUTTAB

CONTRACT NO. 60L70

SB I-55 BRIDGE CONSTRUCTION
STA 85+98.50 TO STA 93+38.50

SB I-55 ROAD AND
RETAINING WALL CONSTRUCTION
STA 80+86.00 TO STA 86+06.00

SB I-55 OVER I-55 TURNAROUND
AND MLK DRIVE:

SN 016-1055 (EXIST.)
SN 016-1501 (PROP.)
STRUCTURE REMOVAL AND REPLACEMENT
LENGTH = 740'-0"

RAMP NW OVER LAKE SHORE DRIVE
& MOE DRIVE:

SN 016-1048 (EXIST.)
SN 016-1505 (PROP.)
STRUCTURE REMOVAL AND REPLACEMENT
LENGTH = 1444'-0"

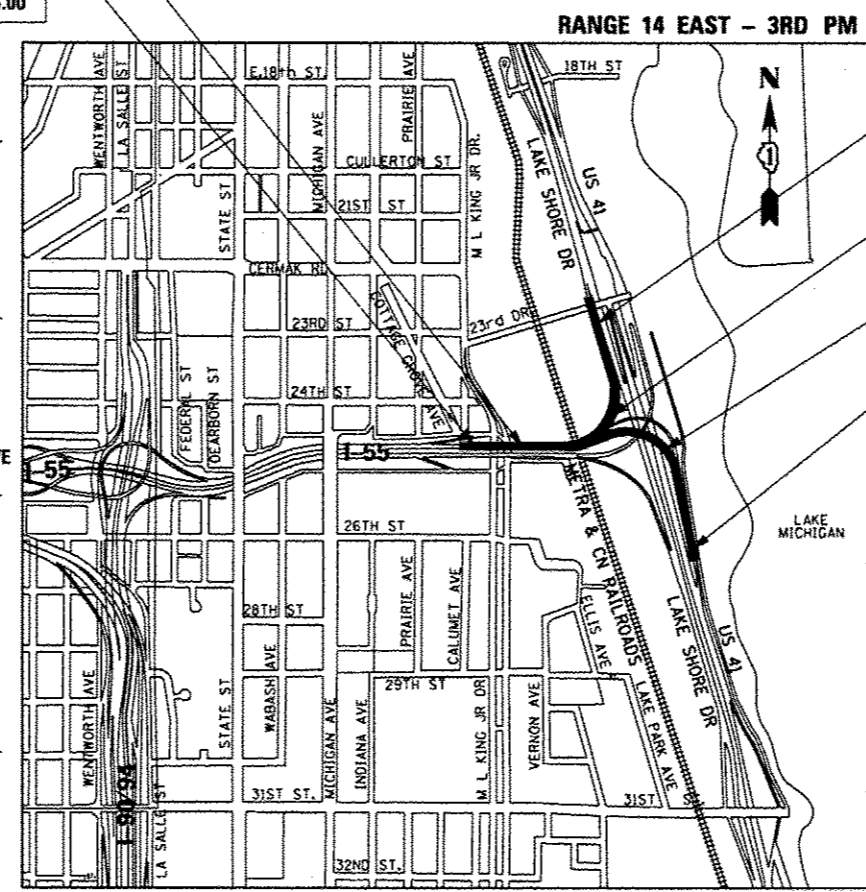
RAMP SW OVER MOE DRIVE, MINES DRIVE
AND METRACN RAILROADS:

SN 016-1052 (EXIST.)
SN 016-1504 (PROP.)
STRUCTURE REMOVAL AND REPLACEMENT
LENGTH = 1018'-0"

RECONSTRUCTION OF BRIDGE APPROACH
PAVEMENTS AND APPROACH ROADWAYS

RETAINING WALL CONSTRUCTION:

SB I-55 WALL: SN 016-0741
RAMP NW WALL: SN 016-0746
RAMP SW WALL: SN 016-0745



LOCATION MAP

NOT TO SCALE

GROSS LENGTH = 5,869 FT. = 1.112 MILE
NET LENGTH = 5,869 FT. = 1.112 MILE

NPDES PERMIT INFORMATION

NPDES Disturbed	Area = 8.42 Acres
Approximate Location of Roadway is:	
Longitude	87° 36' 52.72" W
Latitude	41° 50' 54.25" N

RAMP SW ROAD AND
RETAINING WALL CONSTRUCTION
STA 103+49.00 TO STA 114+08.00

RAMP SW BRIDGE CONSTRUCTION
STA 93+38.50 TO STA 103+56.50

RAMP NW BRIDGE CONSTRUCTION
STA 397+03.93 TO STA 411+47.93

RAMP NW ROAD AND
RETAINING WALL CONSTRUCTION
STA 411+40.43 TO STA 422+28.31

VOLUME II

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

DESIGN SPECIFICATIONS
 2012 AASHTO I RFD Bridge Design Specifications,
 6th Edition with 2013 Interim Revisions

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (#270 Grade 50)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Design Spectral Acceleration at 1.0 sec. (S_{a1}) = 0.086g
 Design Spectral Acceleration at 0.2 sec. ($S_{a0.2}$) = 0.144g
 Soil Site Class = D

APPROVED
 For Structural Adequacy Only

Carl Krueger
 Engineer of Bridges & Structures

STATION 88+12.00
 BUILT 2016 BY
 STATE OF ILLINOIS
 F.A.I. RT. 55 SEC. 2010-080-B
 LOADING HL-93
 STRUCTURE NO. 016-1501

NAME PLATE S.N. 016-1501
 See Std. 515001
 (see Sheet S-79 for location)

STATION 96+91.50
 BUILT 2016 BY
 STATE OF ILLINOIS
 F.A.I. RT. 55 SEC. 2010-080-B
 LOADING HL-93
 STRUCTURE NO. 016-1504

NAME PLATE S.N. 016-1504
 See Std. 515001
 (see Sheet S-81 for location)

STATION 402+63.43
 BUILT 2016 BY
 STATE OF ILLINOIS
 F.A.I. RT. 55 SEC. 2010-080-B
 LOADING HL-93
 STRUCTURE NO. 016-1505

NAME PLATE S.N. 016-1505
 See Std. 515001
 (see Sheet S-85 for location)

GENERAL PLAN
I-55 & LAKE SHORE DRIVE INTERCHANGE
(OUTBOUND STRUCTURES)

F.A.I. RTE. 55 - SEC. 2010-080-B

COOK COUNTY

STATION 88+12.00

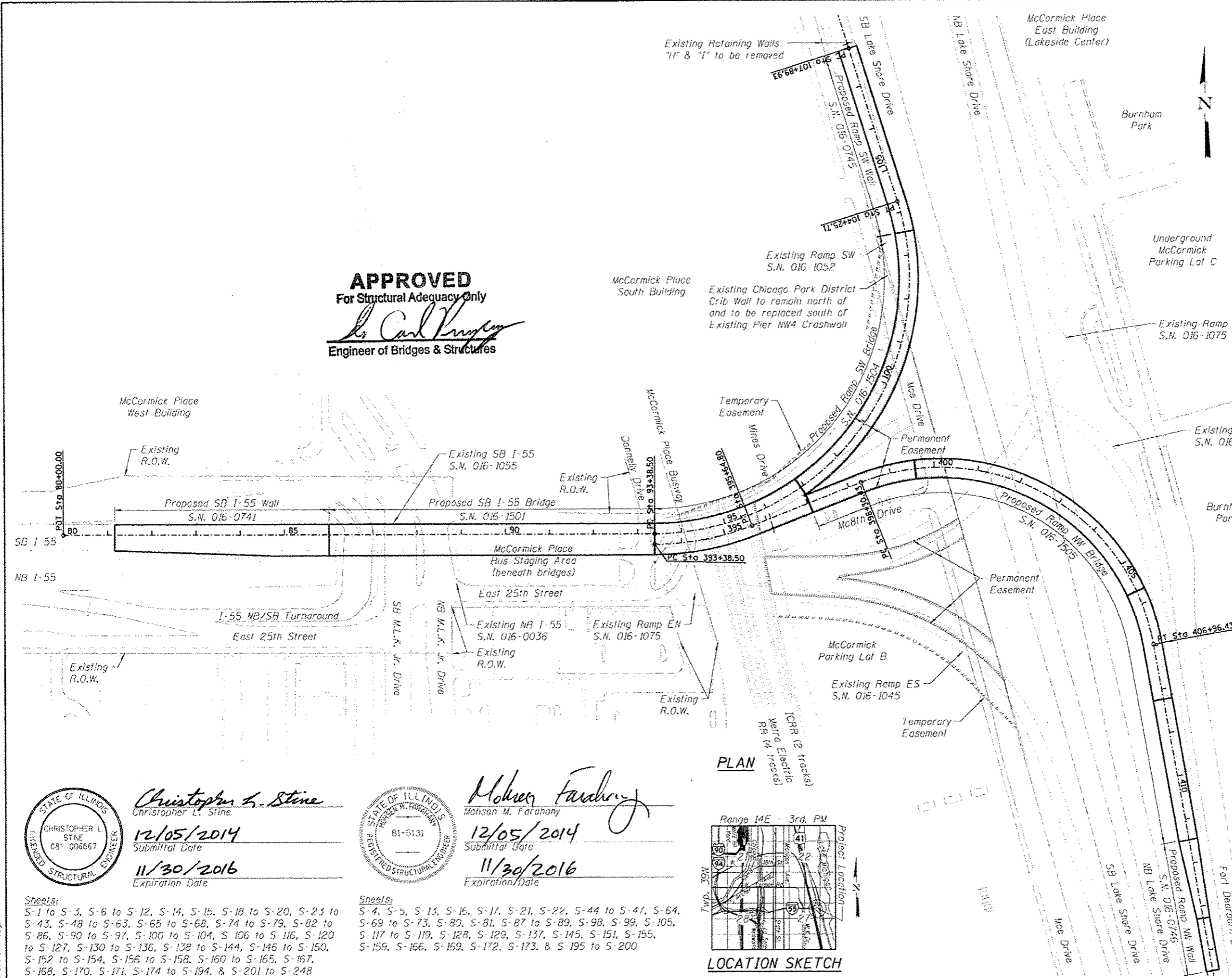
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STATION 96+91.50

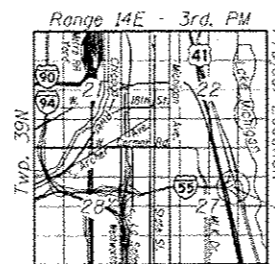
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STATION 402+63.43

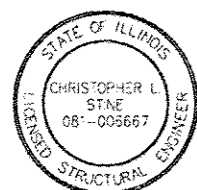
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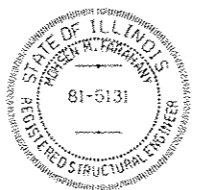
PLAN



LOCATION SKETCH



Christopher L. Stine
 Christopher L. Stine
 12/05/2014
 Submittal Date
 11/30/2016
 Expiration Date



Mohsen M. Farahany
 Mohsen M. Farahany
 12/05/2014
 Submittal Date
 11/30/2016
 Expiration Date

Sheets:
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USER NAME = kr12m	DESIGNED = CLS	REVISED =
PLLOT SCALE =	CHECKED = ATB	REVISED =
PLLOT DATE = 12/05/2014	DRAWN = MRK	REVISED =
	CHECKED = CLS	REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 493
SHEET NO. S-1 OF 5-248 SHEETS			CONTRACT NO. 60L70	
ILLINOIS FED. AID PROJECT				

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USER NAME =	krizm	DESIGNED -	CLS	REVISED -	
		CHECKED -	ATB	REVISED -	
PLOT SCALE =		DRAWN -	MRK	REVISED -	
PLOT DATE =	12/05/2014	CHECKED -	CLS	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

SHEET NO. S-2 OF S-248 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	494
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

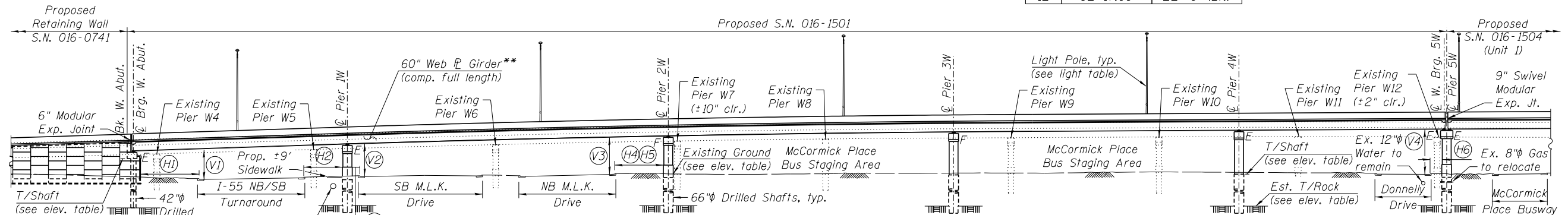
Bench Mark: BM-4, chiseled square on NE corner of crashwall at existing Pier E20, just East of Moe Drive, on existing S.N. 016-1075 carrying NB I-55 to NB L.S.D., Elev. 594.65 (NAVD 88).

Existing Structure: S.N. 016-1055 was built in 1965 & carries SB I-55 traffic over I-55 NB/SB Turnaround, Martin Luther King Jr. Drive, McCormick Place Bus Staging Area, & Donnelly Drive. The 1215'-9" long structure has a 299'-9" west terminal structure (Unit 1), with 10-spans of 88'-110'-88' (Unit 2), 2x102' (Unit 3), 83'-104'-83' (Unit 4), & 2x78' (Unit 5). The out-to-out deck width is a constant 59'-7", which provides a clear roadway width of 56'-0". The structure uses 50" steel plate girders composite with a 7.5" concrete deck, 3-4 column concrete piers, & concrete caissons drilled into rock. It was rehabilitated in 1975 (deck repair, exp. joint replacement, & steel repainting), 1990 (bearing replacement), 1994 (deck repair, exp. joint replacement, & pier repair), 2000 (damaged girder repairs), 2002 (steel repainting), 2005 (pier repair), and 2008 (deck repair).

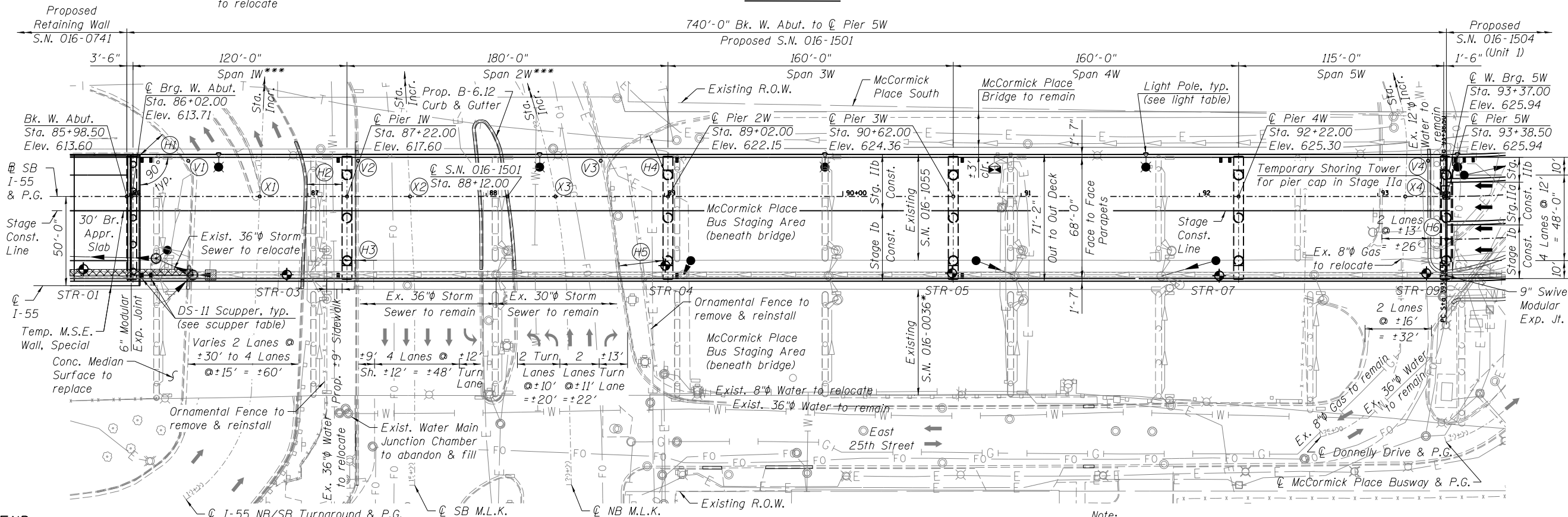
Traffic Control: For Stage Ia, maintain 3-lanes of WB traffic on existing S.N. 016-1055 during construction of Spans 13W-20W (Units 1-3) & west half of Spans 21W-22W (Unit 4) of proposed S.N. 016-1505. For Stage Ib, reduce WB traffic to 2-lanes on north half of existing S.N. 016-1055 for construction of south half of Spans 1W-5W of proposed S.N. 016-1501, south 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), & east half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2). Note that WB traffic will not have to change during special events at McCormick Place & Soldier Field in Stage Ib. For Stage IIa, maintain 1-lane of WB traffic on north half of existing S.N. 016-1055 along with 1-lane of WB traffic on south half of proposed S.N. 016-1501 during construction of center 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), Span 9W & west half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2), & east half of Spans 21W-22W of proposed S.N. 016-1505 (Unit 4). For Stage IIb, shift WB traffic & increase to 3-lanes on south half of proposed S.N. 016-1501 during construction of north half of Spans 1W-5W of proposed S.N. 016-1501 & north 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1). Temporary lane closures may be required for the I-55 NB/SB Turnaround, Martin Luther King Jr. Drive, McCormick Place Bus Staging Area, Donnelly Drive, & East 25th Street.

DS-II SCUPPER TABLE

ID	Station	Offset
1	86+07.00	22'-0" (Lt.)
2	86+07.00	46'-0" (Rt.)
3	86+12.00	22'-0" (Lt.)
4	86+12.00	46'-0" (Rt.)
5	87+17.00	22'-0" (Lt.)
6	87+17.00	46'-0" (Rt.)
7	89+07.00	22'-0" (Lt.)
8	89+07.00	46'-0" (Rt.)
9	90+67.00	22'-0" (Lt.)
10	90+67.00	46'-0" (Rt.)
11	92+12.00	22'-0" (Lt.)
12	92+17.00	22'-0" (Lt.)



ELEVATION



PLAN

*Adjacent existing S.N. 016-0036 to be replaced by proposed S.N. 016-1500 with Contract 60X07.
 **All girders to be thermally-sprayed (metalized) & all cross frames to be hot-dipped galvanized.
 ***Lighting to be provided under Spans 1W & 2W (see Electrical Plans).

LEGEND

- A—A— Exist. Aerial Line
- E—E— Exist. Electric Line
- X—X— Exist. Fence
- FO—FO— Exist. Fiber Optic Line
- G—G— Exist. Gas Line
- Exist. Guardrail
- △—△— Exist. Storm Sewer
- W—W— Exist. Water Line
- ◆ STR-01 Soil Boring Location

MIN CLEARANCE TABLE

	Horizontal	Vertical
H1	17'-1"	V1 15'-7"
H2	20'-0"	V2 16'-6"
H3	2'-6"	V3 18'-2"
H4	22'-4"	V4 21'-10"
H5	25'-2"	V5 N/A
H6	6'-7"	V6 N/A

LIGHT PEDESTAL TABLE

ID	Station	Offset	Horiz. Clr.
AM2	86+50.00	23'-7" (Lt.)	2'-2"
AN1	88+30.00	23'-7" (Lt.)	2'-3"
AM1	89+90.00	23'-7" (Lt.)	2'-5"
AA1	91+70.00	23'-7" (Lt.)	3'-2"

Aluminum light poles have a 10"φ (15"φ bolt circle), possess height of 45', support 6-8' mast arms, & are mounted on the parapets.

STATION EQUATION TABLE

Sta. Egn.	Upper Roadway		Lower Roadway	
	Alignment	Station	Alignment	Station
X1	SB I-55	86+73.01	U-Turn	11+82.66
X2	SB I-55	87+57.31	SB MLK Dr.	16+61.98
X3	SB I-55	88+38.90	NB MLK Dr.	21+62.09
X4	SB I-55	93+15.45	Donnelly Dr.	26+56.26

EXISTING GROUND & ESTIMATED BEDROCK ELEVATION TABLE

Pier	N. T/Gr.	S. T/Gr.	T/Shaft	T/Rock
W.Ab.	N/A	N/A	603.30	541.50
1W	595.25	594.70	592.50	543.25
2W	595.90	595.80	592.50	537.25
3W	597.15	596.10	595.00	533.50
4W	597.65	596.70	595.00	528.25
5W	597.40	596.40	595.00	529.25



USER NAME = floresq	DESIGNED - CLS	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 12/05/2014	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION I - S.N. 016-1501
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

SHEET NO. S-3 OF S-248 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 495
CONTRACT NO. 60L70			ILLINOIS FED. AID PROJECT	

001_0161501_60L70_GPEI.dgn

Bench Mark: BM-4, chiseled square on NE corner of crashwall at existing Pier E20, just East of Moe Drive, on existing S.N. 016-1075 carrying NB I-55 to NB L.S.D., Elev. 594.65 (NAVD 88).

Existing Structure: S.N. 016-1052 was built in 1965 & carries SB Lake Shore Drive traffic to SB I-55 over the McCormick Place Busway, Metra Electric RR, ICRR, Mines Drive, & Moe Drive. The 1227'-0" long structure has 11-spans of 66.16', 121.02', 121.02', 76.79', 85.37', 95.10', 72.68', 92.16', 65.90', 95', & 82' ending with a 253' north terminal structure. The out-to-out deck width varies from 60'-8" to 64'-2" (Spans 1-4) and is a constant 43'-7" (Spans 5-11). The structure uses 54" steel plate girders (Spans 1-9) & 48" steel plate girders (Spans 10-11) composite with a 7.5" concrete deck. All substructures use 3-6 column concrete piers & concrete caissons drilled in rock, except Pier W21, which utilizes a 62" steel cap (fracture critical member) on concrete columns/caissons. It was rehabilitated in 1975 (deck repair, exp. joint replacement, & steel repainting), 1990 (bearing replacement), 1994 (deck repair, exp. joint replacement, & pier repair), 1996 (pier repair), 2002 (steel repainting), 2005 (pier repair), and 2008 (deck repair).

Traffic Control: For Stage Ia, maintain 2-lanes of SW traffic on existing S.N. 016-1052 during construction of Spans 13W-20W (Units 1-3) & west half of Spans 21W-22W (Unit 4) of proposed S.N. 016-1505. For Stage Ib, reduce SW traffic to 1-lane on north & west halves of existing S.N. 016-1052 during construction of south half of Spans 1W-5W of proposed S.N. 016-1501, south 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), & east half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2). SW traffic to increase to 2-lanes & merge with NW traffic only for special events at McCormick Place & Soldier Field in Stage Ib. For Stage IIa, maintain 1-lane of SW traffic on north & west halves of existing S.N. 016-1052 for construction of center 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), Span 9W & west half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2), & east half of Spans 21W-22W of proposed S.N. 016-1505 (Unit 4). For Stage IIb, shift SW traffic & increase to 2-lanes onto south & east halves of proposed S.N. 016-1504 during construction of north half of Spans 1W-5W of proposed S.N. 016-1501 & north 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1). Temporary lane closures may be required for McCormick Place Busway, Mines Drive, Moe Drive, & west shoulder of SB Lake Shore Drive with temporary RR track closures for Metra Electric & Illinois Central.

STATION EQUATION TABLE

Sta. Eqn.	Upper Roadway		Lower Roadway	
	Alignment	Station	Alignment	Station
X1	Ramp SW	94+20.88	Busway	31+77.92
X2	Ramp NW	394+24.42	Busway	31+53.69
X3	Ramp SW	94+56.42	Metra 1	36+85.91
X4	Ramp NW	394+63.21	Metra 1	36+61.84
X5	Ramp SW	94+69.51	Metra 2	41+89.30
X6	Ramp NW	394+76.33	Metra 2	41+65.26
X7	Ramp SW	94+93.75	Metra 3	46+94.91
X8	Ramp NW	395+00.15	Metra 3	46+70.91
X9	Ramp SW	95+07.24	Metra 4	51+99.26
X10	Ramp NW	395+13.72	Metra 4	51+75.26
X11	Ramp SW	95+52.71	ICRR 1	57+12.29
X12	Ramp NW	395+57.30	ICRR 1	56+87.93
X13	Ramp SW	95+65.91	ICRR 2	62+17.65
X14	Ramp NW	395+70.48	ICRR 2	61+93.16
X15	Ramp SW	96+20.24	Mines Dr.	65+83.03
X16	Ramp NW	396+26.24	Mines Dr.	65+55.31
X17	Ramp SW	100+90.58	Moe Dr.	78+43.12

RR Mile Post 2.9 applicable to all RR tracks for Metra & ICRR.

LIGHT PEDESTAL TABLE

ID	Station	Offset	Horiz. Clr.
AB1	93+45.00	23'-7" (Lt.)	8'-9"
AA2	95+40.00	23'-7" (Lt.)	21'-0"
AB2	97+40.00	23'-7" (Lt.)	34'-8"
AA3	99+40.00	23'-7" (Lt.)	44'-7"
AB3	101+40.00	23'-7" (Lt.)	46'-1"
AA4	103+40.00	23'-7" (Lt.)	39'-2"

Aluminum light poles have a 10"φ (15"φ bolt circle), possess height of 45', support 6-8' mast arms, & are mounted on the parapets.

DS-II SCUPPER TABLE

ID	Station	Offset
1	93+43.50	22'-0" (Lt.)
2	93+48.50	22'-0" (Lt.)
3	93+53.50	22'-0" (Lt.)
4	94+30.00	22'-0" (Lt.)
5	94+35.00	22'-0" (Lt.)
6	100+18.00	22'-0" (Lt.)
7	102+08.00	22'-0" (Lt.)
8	103+43.00	22'-0" (Lt.)
9	103+48.00	22'-0" (Lt.)

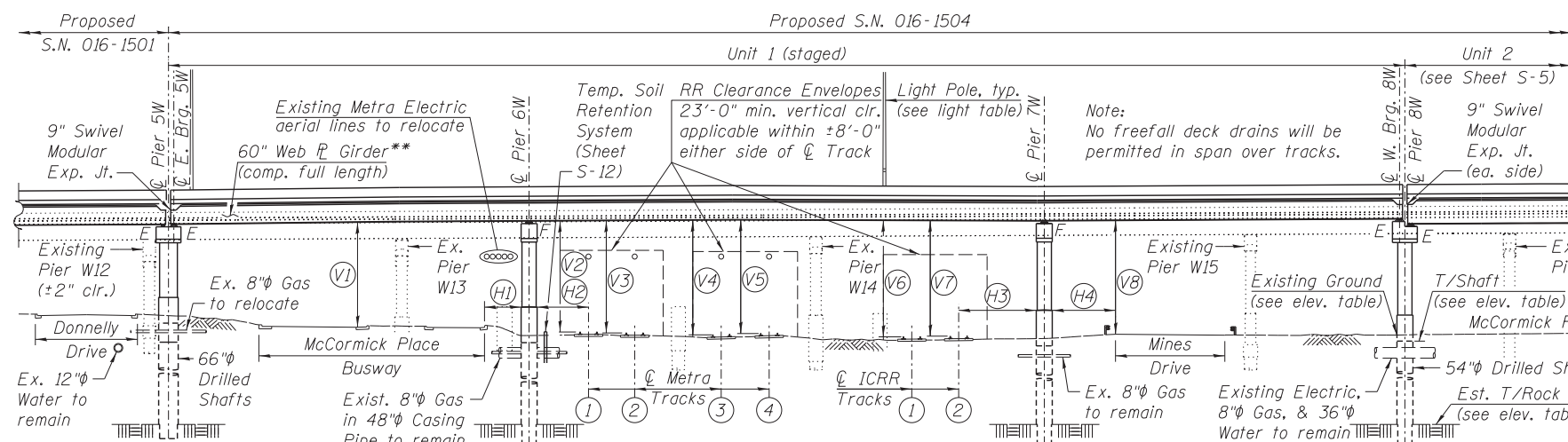
MIN CLEARANCE TABLE

Horizontal		Vertical	
H1	9'-0"	V1	25'-4"
H2	12'-6"	V2	26'-10"
H3	16'-9"	V3	27'-2"
H4	5'-1"	V4	27'-10"
H5	10'-3"	V5	27'-7"
H6	8'-9"	V6	28'-9"
H7	N/A	V7	28'-9"
H8	N/A	V8	29'-11"
H9	N/A	V9	22'-11"

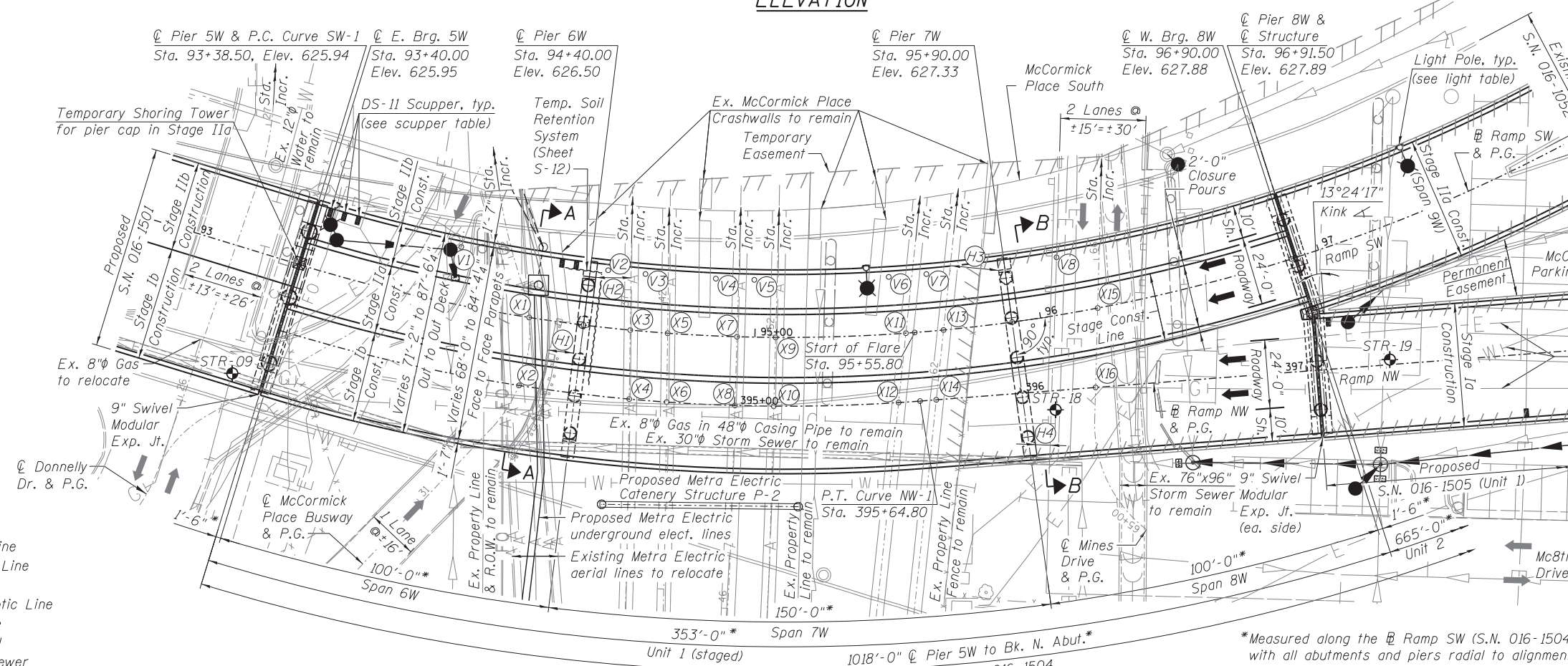
EXISTING GROUND & ESTIMATED BEDROCK ELEVATION TABLE

Pier	NW. T/Gr.	SE. T/Gr.	T/Shaft	T/Rock
5W	597.40	596.40	595.00	529.25
6W	590.50	591.50	588.50	520.50
7W	590.50	590.75	588.50	520.50
8W	590.45	590.40	588.50	520.00
9W	590.15	590.05	582.50	515.00
10W	589.30	589.70	582.50	518.00
11W	599.20	599.50	597.50	519.00
N.Ab.	N/A	N/A	601.65	511.25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	496
				CONTRACT NO. 60L70
ILLINOIS FED. AID PROJECT				



ELEVATION



PLAN

- LEGEND**
- A—A— Exist. Aerial Line
 - E—E— Exist. Electric Line
 - X—X— Exist. Fence
 - FO—FO— Exist. Fiber Optic Line
 - G—G— Exist. Gas Line
 - G—G— Exist. Guardrail
 - W—W— Exist. Storm Sewer
 - W—W— Exist. Water Line
 - ◆ STR-09 Soil Boring Location

USER NAME =	PHodina	DESIGNED -	PH	REVISED -	-
		CHECKED -	PK	REVISED -	-
PLOT SCALE =		DRAWN -	PH	REVISED -	-
PLOT DATE =	12/05/2014	CHECKED -	PK	REVISED -	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

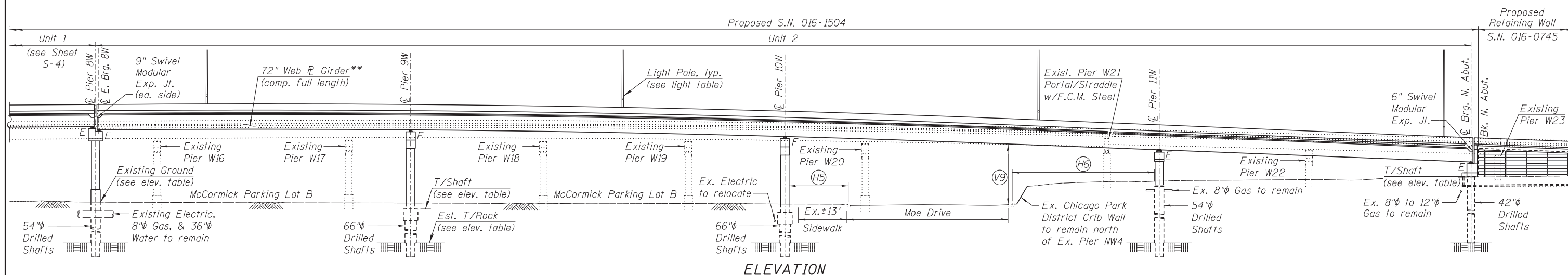
GENERAL PLAN & ELEVATION II - S.N. 016-1504
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

SHEET NO. S-4 OF S-248 SHEETS

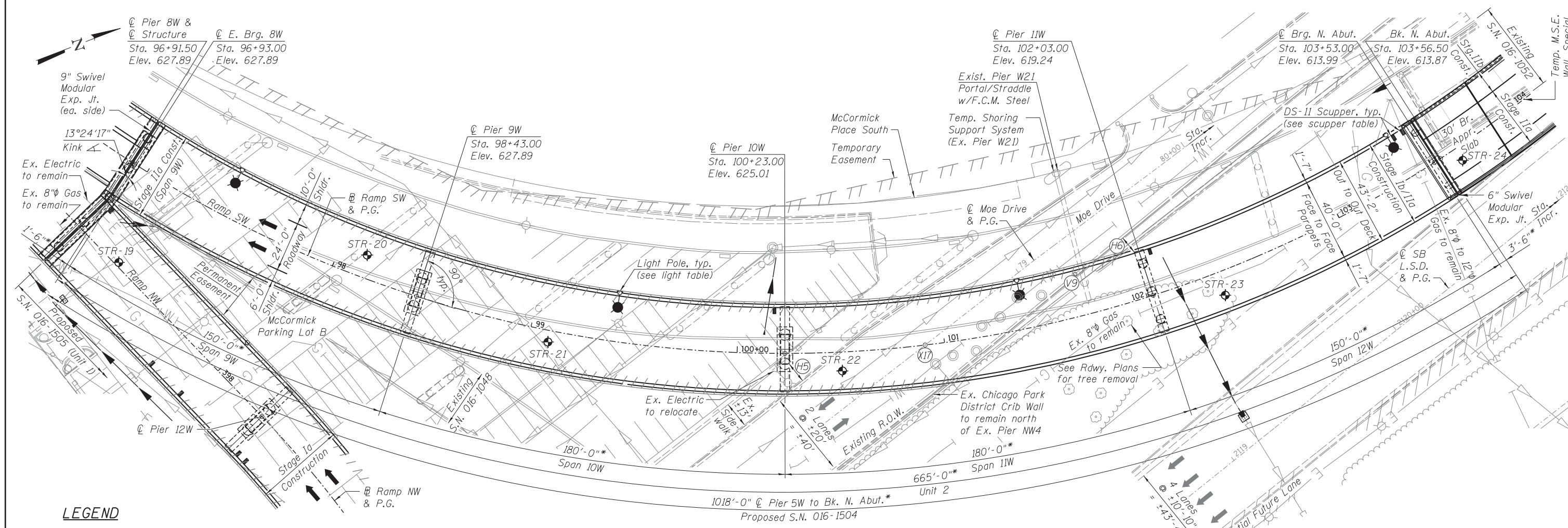
*Measured along the R Ramp SW (S.N. 016-1504) with all abutments and piers radial to alignment.
**All girders to be thermally-sprayed (metalized) & all cross frames to be hot-dipped galvanized.

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RME Rubinos & Menia Engineers, Inc.
200 S. Michigan Avenue, Suite 1500, Chicago, IL 60604-2482



ELEVATION



PLAN

*Measured along the Ramp SW (S.N. 016-1504) with all abutments and piers radial to alignment.
 **All girders to be thermally-sprayed (metalized) & all cross frames to be hot-dipped galvanized.

LEGEND

- A — A — Exist. Aerial Line
- E — E — Exist. Electric Line
- X — X — Exist. Fence
- FO — FO — Exist. Fiber Optic Line
- G — G — Exist. Gas Line
- G — G — Exist. Guardrail
- S — S — Exist. Storm Sewer
- W — W — Exist. Water Line
- ◆ STR-19 Soil Boring Location

USER NAME = PHodina	DESIGNED - PH	REVISED -
CHECKED - MR	CHECKED - MR	REVISED -
PLOT SCALE =	DRAWN - PH	REVISED -
PLOT DATE = 12/05/2014	CHECKED - MR	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION III - S.N. 016-1504
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 497
CONTRACT NO. 60L70				

SHEET NO. S-5 OF S-248 SHEETS

ILLINOIS FED. AID PROJECT

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Bench Mark: BM-4, chiseled square on NE corner of crashwall at existing Pier E20, just East of Moe Drive, on existing S.N. 016-1075 carrying NB I-55 to NB L.S.D., Elev. 594.65 (NAVD 88).

Existing Structure: S.N. 016-1048 was built in 1965 & carries NB Lake Shore Drive traffic to SB I-55 over Moe Drive, Lake Shore Drive, & S.N. 016-1075 (NB I-55 to NB Lake Shore Drive). The 2102'-5" long structure has 13-curved spans, 15-tangent spans, & a 149'-6" south terminal structure. Curved spans consist of 2x77.70', 77.41', 79.26', 73.02', 79.91', 70.02', 97.49', 34.42', 75', 2x79', & 78'. Tangent spans consist of 5-units of 3x65'. The out-to-out deck width varies from 28'-3" (Spans 1-13) to 27'-3" (Spans 14-28). The structure uses 54" steel plate girders (Spans 1-4), 48" steel plate girders (Spans 5-13), & W33 steel wide flange beams (Spans 14-28) composite with a 7.5" concrete deck. Substructures use 2-column concrete piers & concrete caissons drilled into rock. It was rehabilitated in 1975 (deck repair, exp. joint replacement, & steel repainting), 1990 (bearing replacement), 1994 (deck repair, exp. joint replacement, & pier repair), 1996 (pier repair), 2002 (steel repainting), 2005 (pier repair), and 2008 (deck repair).

Traffic Control: For Stage Ia, maintain 1-lane of NW traffic on north & east halves of existing S.N. 016-1048 during construction of Spans 13W-20W (Units 1-3) & west half of Spans 21W-22W (Unit 4) of proposed S.N. 016-1505. For Stage Ib, continue to maintain 1-lane of NW traffic on north & east halves of existing S.N. 016-1048 during construction of south half of Spans 1W-5W of proposed S.N. 016-1501, south 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), & east half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2). Note that NW traffic shall merge with SW traffic for special events at McCormick Place & Soldier Field in Stage Ib. For Stage IIa, shift 1-lane of NW traffic onto south & west halves of proposed S.N. 016-1505 during construction of center 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1), Span 9W & west half of Spans 10W-12W of proposed S.N. 016-1504 (Unit 2), & east half of Spans 21W-22W of proposed S.N. 016-1505 (Unit 4). For Stage IIb, maintain 1-lane of NW traffic on proposed S.N. 016-1505 or maintain 2-lanes on proposed S.N. 016-1505, then merge them before proposed S.N. 016-1504 during construction of north half of Spans 1W-5W of proposed S.N. 016-1501 & north 1/3 of Spans 6W-8W of proposed S.N. 016-1504 (Unit 1). Temporary lane closures may be required for Moe Drive, Lake Shore Drive, Fort Dearborn Drive, & existing S.N. 016-1075.

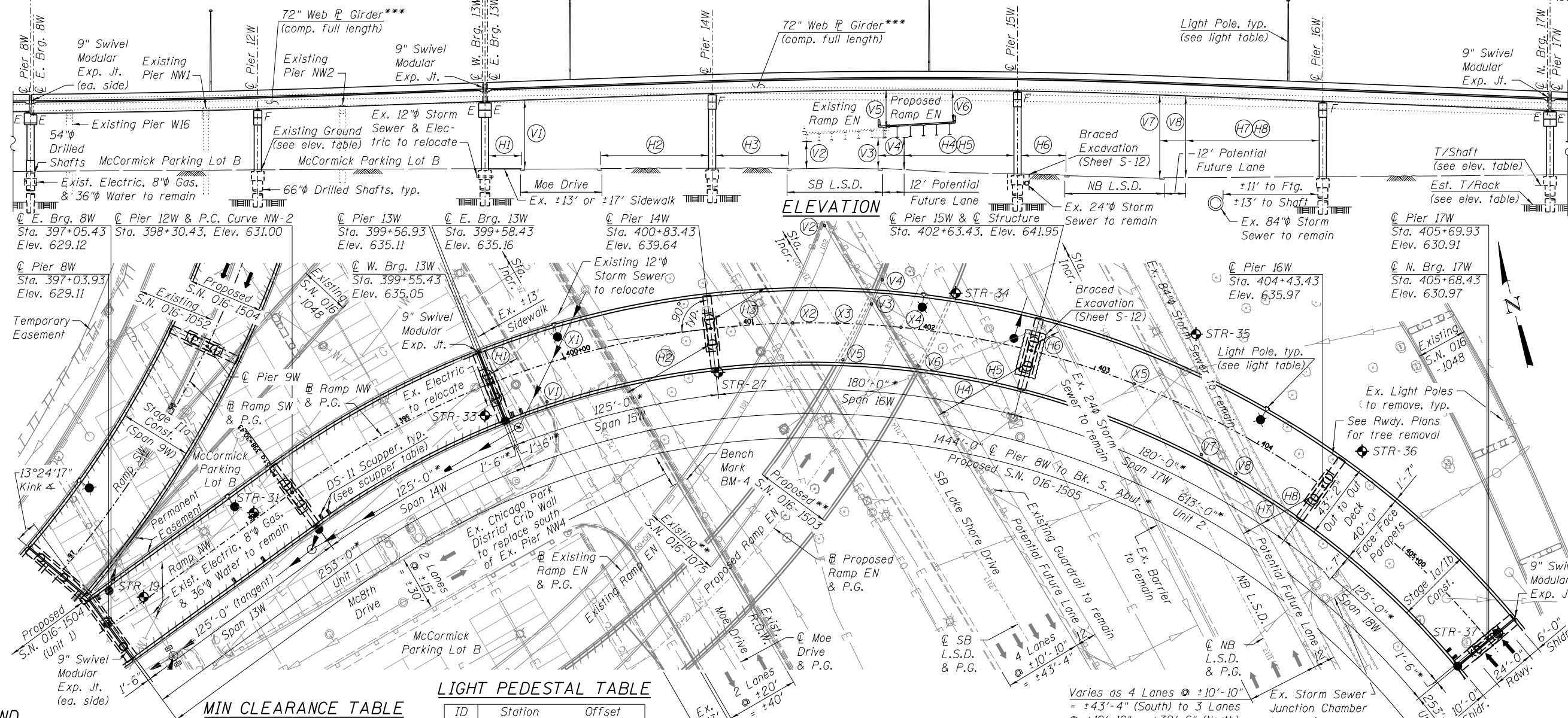
EXISTING GROUND & ESTIMATED BEDROCK ELEVATION TABLE

Pier	NE T/Gr.	SW T/Gr.	T/Shaft	T/Rock
8W	590.45	590.40	588.50	520.00
12W	590.75	590.65	585.00	515.25
13W	590.50	590.45	585.00	521.25
14W	594.20	594.15	587.50	523.25
15W	587.40	588.30	580.00	525.25
16W	592.95	592.10	585.00	521.75
17W	591.55	591.25	585.00	523.25
18W	591.30	590.80	585.00	522.25
19W	590.75	590.80	585.00	524.25
20W	590.70	590.95	585.00	523.50
S.Ab.	N/A	N/A	596.48	519.50

DS-11 SCUPPER TABLE

ID	Station	Offset
1	397+08.93	18'-0" (Lt.)
2	397+75.43	22'-0" (Rt.)
3	397+95.43	22'-0" (Rt.)
4	398+35.43	22'-0" (Rt.)
5	398+40.43	22'-0" (Rt.)
6	399+61.93	22'-0" (Rt.)
7	399+66.93	22'-0" (Rt.)
8	405+59.93	22'-0" (Rt.)
9	405+64.93	22'-0" (Rt.)
10	406+91.43	22'-0" (Rt.)
11	408+12.93	22'-0" (Rt.)
12	408+17.93	22'-0" (Rt.)
13	409+79.43	22'-0" (Rt.)
14	411+34.43	22'-0" (Rt.)
15	411+39.43	22'-0" (Rt.)

Proposed S.N. 016-1504 (Unit 1) Unit 1 Pier 13W Pier 14W Pier 15W Pier 16W Pier 17W Units 3 & 4 (see Sheet S-7)



ELEVATION

PLAN

LIGHT PEDESTAL TABLE

ID	Station	Offset
AC1	398+00.00	19'-7" (Lt.)
AD1	400+00.00	19'-7" (Lt.)
AC2	402+00.00	19'-7" (Lt.)
AD2	403+95.00	19'-7" (Lt.)
AC3	406+00.00	19'-7" (Lt.)
AD3	408+15.00	19'-7" (Lt.)
AC4	410+45.00	19'-7" (Lt.)

MIN CLEARANCE TABLE

Horizontal		Vertical	
H1	17'-5"	V1	38'-4"
H2	52'-0"	V2	13'-11"
H3	34'-7"	V3	15'-4"
H4	53'-0"	V4	15'-1"
H5	41'-0"	V5	16'-8"
H6	14'-5"	V6	15'-3"
H7	40'-5"	V7	43'-3"
H8	28'-5"	V8	42'-6"

STATION EQUATION TABLE

Sta. Eqn.	Upper Roadway		Lower Roadway	
	Alignment	Station	Alignment	Station
X1	Ramp NW	400+00.28	Q Moe Dr.	75+58.82
X2	Ramp NW	401+29.50	Ex. Ramp EN	101+57.81
X3	Ramp NW	401+54.15	Q SB L.S.D.	2114+73.01
X4	Ramp NW	401+89.62	Pr. Ramp EN	202+15.77
X5	Ramp NW	403+23.63	Q NB L.S.D.	1113+73.13

LEGEND

- A—A— Exist. Aerial Line
- E—E— Exist. Electric Line
- X—X— Exist. Fence
- FO—FO— Exist. Fiber Optic Line
- G—G— Exist. Gas Line
- — — — — Exist. Guardrail
- — — — — Exist. Storm Sewer
- W—W— Exist. Water Line
- STR-19 Soil Boring Location

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION IV - S.N.016-1505 I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

SHEET NO. S-6 OF S-248 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2010-080-B	COOK	886	498

CONTRACT NO. 60L70 ILLINOIS FED. AID PROJECT

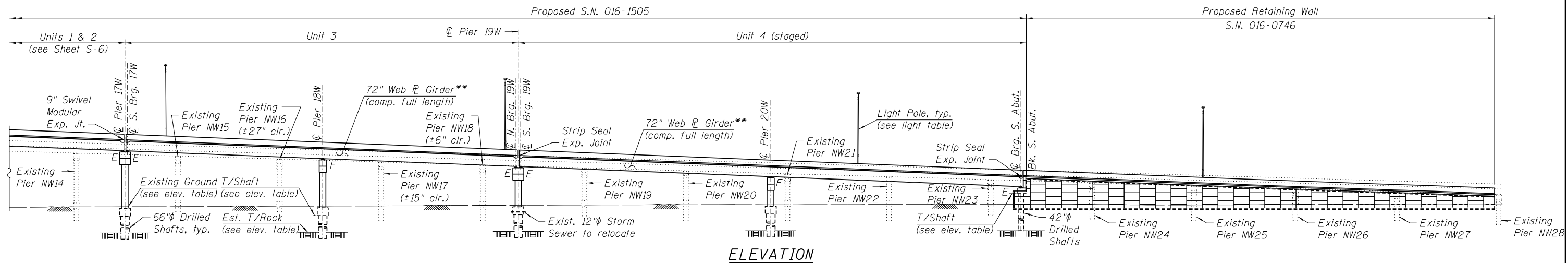


USER NAME = floresg	DESIGNED - CLS	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 12/05/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

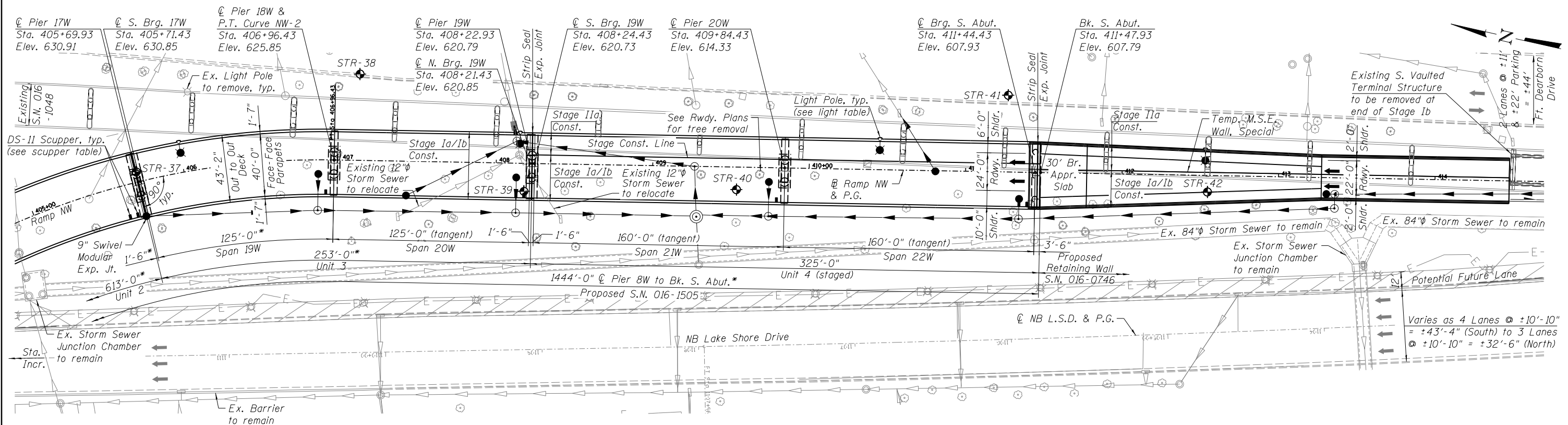
Aluminum light poles have a 10"φ (15"φ bolt circle), possess height of 45', support 6-8' mast arms, & are mounted on the parapets.

*Measured along the R Ramp NW (S.N. 016-1505) with all abutments and piers radial to alignment.
 **Existing S.N. 016-1075 (Ramp EN) to be replaced by proposed S.N. 016-1503 with Contract 60X07.
 ***All girders to be thermally-sprayed (metalized) & all cross frames to be hot-dipped galvanized.

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ELEVATION



PLAN

*Measured along the @ Ramp NW (S.N. 016-1505) with all abutments and piers radial to alignment.
 **All girders to be thermally-sprayed (metalized) & all cross frames to be hot-dipped galvanized.

- LEGEND**
- A — A — Exist. Aerial Line
 - E — E — Exist. Electric Line
 - X — X — Exist. Fence
 - FO — FO — Exist. Fiber Optic Line
 - G — G — Exist. Gas Line
 - GR — GR — Exist. Guardrail
 - SS — SS — Exist. Storm Sewer
 - W — W — Exist. Water Line
 - ◆ STR-37 Soil Boring Location



USER NAME = floresg	DESIGNED - CLS	REVISED -
	CHECKED - ATB	REVISED -
PLOT SCALE =	DRAWN - MRK	REVISED -
PLOT DATE = 12/05/2014	CHECKED - CLS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION V - S.N. 016-1505
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)

SHEET NO. S-7 OF S-248 SHEETS

F.A.I. RTE. 55	SECTION 2010-080-B	COUNTY COOK	TOTAL SHEETS 886	SHEET NO. 499
CONTRACT NO. 60L70				
ILLINOIS FED. AID PROJECT				

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GENERAL NOTES

- Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.
- Calculated weight of Structural Steel for S.N. 016-1501 = 2,287,360 lbs. Calculated weight of Structural Steel for S.N. 016-1504 = 2,884,380 lbs. Calculated weight of Structural Steel for S.N. 016-1505 = 3,062,340 lbs. Calculated weight of Structural Steel for all structures = 8,234,080 lbs.
- All structural steel shall be AASHTO M270 Grade 50.
- All structural steel shall be thermally-sprayed (metalized), unless otherwise noted. All cross frame members (top/bottom chords, diagonals, gusset P's) and splice P's shall be hot-dipped galvanized. See Special Provisions for "Metallizing Structural Steel" and "Hot Dip Galvanizing for Structural Steel".
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated.
- If Contractor elects to use cantilever forming brackets on exterior beams or girders, brackets shall be placed at same locations as required for hardwood blocks in Article 503.06(b) of Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.
- Plan dimensions & details relative to the existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions & details affecting new construction, and make necessary approved adjustments prior to either construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for quantity furnished at unit price bid for work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to designated areas of abutments and piers.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- Slipforming of the parapets is not allowed.
- Structural steel erection shall be accomplished by a steel erection contractor or subcontractor certified as an Advanced Certified Steel Erector (ACSE) by the AISC. See Special Provision for "Erection of Complex Steel Structures".
- Spans over roadways, railroads, & parking lots have existing Protective Shield in place between exterior girders (see Sheets S-15 thru S-18 for location of the existing Protective Shield). The Contractor shall evaluate the condition of the existing Protective Shield per Article 501.03 of Standard Specifications & determine if it is structurally adequate for the demolition of the existing deck. The evaluation shall be performed by an Illinois Licensed Structural Engineer. The Contractor shall remove & replace any inadequate Protective Shield & add Protective Shield at deck overhangs & other areas required by Article 501.03. The Contractor will not be paid for evaluation of the existing Protective Shield, but will be paid for new Protective Shield at the unit price bid for that work. Cost of Protective Shield removal included with Removal of Existing Structures.
- The Contractor shall field verify exact location of all existing utilities prior to construction & take precautions not to damage existing utilities during drilled shaft installation, excavations, footing construction, or other underground work. Any such damage shall be repaired by the Contractor at no additional cost.
- Prior to placement of joint blockouts, the Contractor shall coordinate with the Modular Joint Manufacturer to ensure that modular joint boxes will be properly supported & that deck reinforcement will not interfere with joint components. Any required adjustments to reinforcement shall be approved by the Engineer.
- Most superstructure units on the project use multiple fixed piers in each unit. The temperature during anchor bolt installation will determine the temperature at which the fixed piers have no thermal stress. In order to limit this stress, anchor bolt installation temperatures should be as close to 50°F as possible. For units with two fixed piers, the Contractor can install anchor bolts at one of the fixed piers of their choice at any temperature, but shall install anchor bolts at the second fixed pier when the temperature is between 35°F & 65°F. For units with three fixed piers, the Contractor shall install anchor bolts at a center fixed pier at any temperature and then shall install anchor bolts at the second and third fixed piers when the temperature is between 35°F & 65°F. This installation procedure shall be included in the Contractor's Erection Plan.

STRUCTURAL ASSESSMENT REPORT (SAR) NOTES

- Due to the minimal clearances between existing and proposed structures and those to McCormick Place, Metra Electric, ICRR, & Lake Shore Drive the Contractor's means & methods may necessitate using existing and/or proposed structures to support construction materials and/or equipment. In that case the Contractor shall submit Structural Assessment Report(s) to the Engineer for approval prior to construction. See Special Provision.
- The Contractor shall retain services of an engineering firm, prequalified in the IDOT consultant selection category of "Highway Bridges-Complex", for preparation of the Structural Assessment Report. Contractor's pre-approval shall not be applicable for this project. See Special Provision.
- Current Ratings on File for Existing Structures:
 - S.N. 016-1055 (SB I-55)
Inventory: HS-22.4
Operating: HS-37.2
Live Load Restrictions: No
 - S.N. 016-1052 (SB L.S.D. to SB I-55 Ramp)
Inventory: HS-20.0
Operating: HS-27.2
Live Load Restrictions: No
 - S.N. 016-1048 (NB L.S.D. to SB I-55 Ramp)
Inventory: HS-20.0
Operating: HS-27.2
Live Load Restrictions: No
 - S.N. 016-0036 (NB I-55)
Inventory: HS-22.8
Operating: HS-38.2
Live Load Restrictions: No
 - S.N. 016-1045 (NB I-55 to SB L.S.D. Ramp)
Inventory: HS-16.0
Operating: HS-26.6
Live Load Restrictions: No
 - S.N. 016-1075 (NB I-55 to NB L.S.D. Ramp)
Inventory: HS-20.0
Operating: HS-27.2
Live Load Restrictions: No

Inventory & Operating Ratings & Live Load Restrictions are provided for information only. Inventory & Operating Ratings are based on HS loading & configuration. Live Load Restrictions are based on Illinois legal loads & configurations. The Ratings & Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
- Current Ratings from Design of Proposed Structures:
 - S.N. 016-1501 (SB I-55)
Inventory: RF-1.07
Operating: RF-1.87
Live Load Restrictions: No
 - S.N. 016-1504 (SB L.S.D. to SB I-55 Ramp)
Inventory: RF-1.21
Operating: RF-2.13
Live Load Restrictions: No
 - S.N. 016-1505 (NB L.S.D. to SB I-55 Ramp)
Inventory: RF-1.12
Operating: RF-1.96
Live Load Restrictions: No

Inventory & Operating Rating Factors & Live Load Restrictions are provided for information only. Rating Factors are based on HL-93 loading & configuration. Live Load Restrictions are based on Illinois legal loads & configurations. Rating Factors & Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
- The Contractor is advised that the existing structures contain members that are in a deteriorated condition with reduced load carrying capacity, especially the existing reinforced concrete decks. It is the Contractor's responsibility to account for condition of these existing structures when developing construction procedures for the complete or partial removal, or replacement of these existing structures. Existing Structure Information Packages are available upon request as noted in Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	S.N. 016-1501		S.N. 016-1504		S.N. 016-1505		TOTAL
		SUPER	SUB	SUPER	SUB	SUPER	SUB	
Removal of Existing Structures No. 1	Each	1						1
Removal of Existing Structures No. 2	Each			1				1
Removal of Existing Structures No. 3	Each					1		1
Protective Shield	Sq. Yd.	430		563		289		1,282
Structure Excavation	Cu. Yd.		121		265		479	865
Concrete Structures	Cu. Yd.		859.1		1,008.9		1,314.9	3,182.9
Concrete Superstructure	Cu. Yd.	1,672.7		1,840.0		2,142.1		5,654.8
Bridge Deck Grooving (Longitudinal)	Sq. Ft.	5,566		5,564		6,155		17,285
Form Liner Textured Surface	Sq. Ft.				1,390			6,773
Protective Coat	Sq. Yd.	6,472		6,824		7,920		21,216
Furnishing and Erecting Structural Steel	L. Sum	0.28		0.35		0.37		1
Stud Shear Connectors	Each	17,010		23,169		23,037		63,216
Reinforcement Bars, Epoxy Coated	Pound	482,310	193,500	514,840	253,380	594,050	315,510	2,353,590
Reinforcement Bars	Pound		188,400		316,220		323,700	828,320
Name Plates	Each	1		1		1		3
Drilled Shaft in Soil	Cu. Yd.		898.5		1,070.0		1,073.6	3,042.1
Drilled Shaft in Rock	Cu. Yd.		44.0		67.8		53.1	164.9
Preformed Joint Strip Seal	Foot					84		84
Elastomeric Bearing Assembly, Type II	Each					12		12
Elastomeric Bearing Assembly, Type III	Each	18						18
Anchor Bolts, 3/4"	Each	36		80		168		284
Anchor Bolts, 1"	Each			48		72		120
Anchor Bolts, 1 1/4"	Each	72		180		108		360
Anchor Bolts, 1 1/2"	Each	36		24		12		72
Concrete Sealer	Sq. Ft.		14,416		18,266		17,402	50,084
Bar Splicers	Each	2,861	113	2,867	42	1,252	88	7,223
Mechanical Splicers	Each		781		1,202		474	2,457
Drainage System	L. Sum	0.33		0.25		0.42		1
Drainage Scuppers, DS-II	Each	12		9		15		36
High Load Multi-Rotation Bearings, Guided Expansion 200K	Each			20		36		56
High Load Multi-Rotation Bearings, Guided Expansion 250K	Each			12				12
High Load Multi-Rotation Bearings, Guided Expansion 500K	Each	18						18
High Load Multi-Rotation Bearings, Guided Expansion 600K	Each			6				6
High Load Multi-Rotation Bearings, Fixed 500K	Each					12		12
High Load Multi-Rotation Bearings, Fixed 550K	Each			18		12		30
High Load Multi-Rotation Bearings, Fixed 600K	Each			12		6		18
Modular Expansion Joint 6"	Foot	68						68
Modular Expansion Joint-Swivel 6"	Foot			40				40
Modular Expansion Joint-Swivel 9"	Foot	68		80		80		228
Crosshole Sonic Logging	Each		6		7		10	23
Rubbed Finish	Sq. Ft.				2,270		10,262	12,532
Temporary Soil Retention System	Sq. Ft.				144			144
Temporary Shoring	Each		1		2			3
Temporary Shoring for Existing Straddle Bent	Each				1			1
Braced Excavation	Cu. Yd.					87		87

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USER NAME = floresg	DESIGNED - CLS	REVISED -
PLOT SCALE =	CHECKED - ATB	REVISED -
PLOT DATE = 12/05/2014	DRAWN - MRK	REVISED -
	CHECKED - CLS	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, SAR NOTES, & TOTAL BILL OF MATERIAL
I-55 & LAKE SHORE DRIVE INTERCHANGE (OUTBOUND STRUCTURES)**

SHEET NO. S-8 OF S-248 SHEETS

F.A.I. RTE. = 55	SECTION = 2010-080-B	COUNTY = COOK	TOTAL SHEETS = 886	SHEET NO. = 500
CONTRACT NO. 60L70				ILLINOIS FED. AID PROJECT