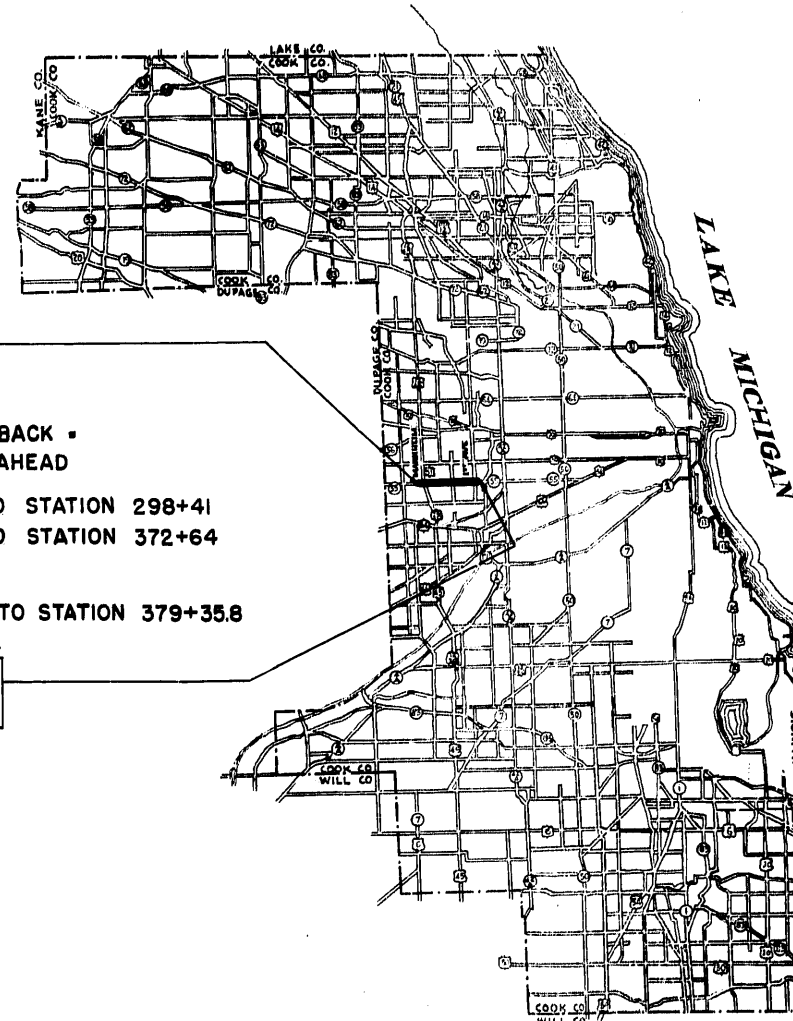


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

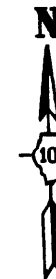
SCALES
 PLAN 1 INCH 80 FT.
 PROFILE, HOR. 1 INCH 80 FT.
 PROFILE, VERT. 1 INCH 10 FT.
 CROSS-SECTIONS 1 INCH 5 FT.

DISTRICT 10
CERMAK ROAD
S.B.I. ROUTE 55(F.A. ROUTE 131) SECTION 55I-Y
PROJECT U-377(25)
COOK COUNTY

GROSS LENGTH 16,548.98 LIN. FT.
 NET LENGTH 12,214.18 LIN. FT. OR 2.313 MILES



STATION EQUATION: STATION 229+85.88 BACK -
 STATION 230+17.90 AHEAD
 OMISSION: STATION 258+13 TO STATION 298+41
 STATION 372+02 TO STATION 372+64
 STATION 376+91 TO STATION 379+35.8



FEDERAL AID ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.D. 155 (R.A. 131)	55I-Y	COOK	98	1
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	U-377(25)	



LOCATION OF SECTION INDICATED THUS:—

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

SUBMITTED 4-22-58 *J. J. Sutcliffe* DISTRICT ENGINEER

EXAMINED May 8, 1958 *R. B. Smith* ENGINEER OF PUBLIC PLANS AND CONTRACTS

PASSED May 8, 1958 *E. J. H. H. H.* ENGINEER OF DESIGN

APPROVED May 8, 1958 *W. B. H. H. H.* CHIEF HIGHWAY ENGINEER

APPROVED May 8, 1958 *W. B. H. H. H.* DIRECTOR

DEPARTMENT OF COMMERCE
 BUREAU OF PUBLIC ROADS

APPROVED _____

DIVISION ENGINEER DATE

PLANS PREPARED BY BUREAU OF DESIGN *[Signature]* DATE *4-14-58*
 EXAMINED BY BUREAU OF CONSTRUCTION *[Signature]* DATE *4-14-58*
 EXAMINED BY BUREAU OF MAINTENANCE *[Signature]* DATE *4-14-58*
 EXAMINED BY BUREAU OF TRAFFIC *[Signature]* DATE *4-14-58*
 ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
 DISTRICT ENGINEER *[Signature]* DATE *4-22-58*

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2. INDEX OF SHEETS, TOTAL SUMMARY OF QUANTITIES, SIGNATURES
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- 4-7. EXISTING TOPOGRAPHY
- 8-10. EXISTING UTILITIES
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12. DRAINAGE - MANHEIM ROAD TO HULL AVENUE
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35. PLAN AND PROFILE - ADDISON CREEK TO 17TH AVENUE
36. PLAN AND PROFILE - 17TH AVENUE TO 18TH AVENUE
37. PLAN AND PROFILE - 18TH AVENUE TO 28TH AVENUE
38. PLAN AND PROFILE - 28TH AVENUE TO 4TH AVENUE
39. PLAN AND PROFILE - 4TH AVENUE TO 1ST AVENUE
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NOTE: THE "STANDARD SPECIFICATION FOR ROAD CONSTRUCTION" ADOPTED JANUARY 2, 1952 & SUPPLEMENTAL SPECIFICATION EFFECTIVE JULY 1, 1955, SHALL GOVERN THE CONSTRUCTION OF THIS WORK.

TOTAL SUMMARY OF QUANTITIES

ITEM	UNIT	TOTAL	ITEM	UNIT	TOTAL
1. EARTH EXCAVATION	CU YDS	21,628	65. STORM SEWERS CROSSING UNDER RAILROAD (42")	LIN FT	140
2. BORROW EXCAVATION	CU YDS	38,800	66. PIPE CULVERTS, TYPE 1 (SSRCCP) 18"	LIN FT	180
3. PAVEMENT REMOVAL	SQ YDS	5,971	68. PIPE CULVERTS, TYPE 2 (SSRCCP) 24"	LIN FT	20
4. DRIVEWAY PAVEMENT REMOVAL	LIN FT	5,422	67. CORRUGATED METAL PIPE, 8 INCH	LIN FT	40
5. COMBINATION CURB AND GUTTER REMOVAL	SQ FT	10,688	69. MANHOLES, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	19
6. CURB REMOVAL	SQ FT	889	70. MANHOLES, TYPE A, 5' DIAMETER, TYPE 5 FRAME, CLOSED LID	EACH	35
7. SIDEWALK REMOVAL	SQ FT	79,874	71. MANHOLES, TYPE A, 5' DIAMETER, TYPE 3 FRAME, CLOSED LID	EACH	1
8. CABLE ROAD GUARD REMOVAL	LIN FT	1,854	72. CATCH BASINS, TYPE A, TYPE 3 FRAME, 4' DIA.	EACH	5
9. WOOD GUARD RAIL REMOVAL	LIN FT	938	73. CATCH BASINS, TYPE A, TYPE 5 FRAME, OPEN LID, 4' DIA.	EACH	1
10. CONCRETE REMOVAL	CU YDS	78	74. CATCH BASINS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	142
11. SAWING P.C. CONCRETE PAVEMENT	LIN FT	3,821	75. INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	9
12. SAWING P.C. CONCRETE DRIVEWAY PAVEMENT	LIN FT	438	76. INLETS, TYPE A, TYPE 3 FRAME	EACH	1
13. SAWING SIDEWALK	LIN FT	411	77. INLETS, TYPE A, TYPE 5 FRAME, OPEN LID	EACH	2
14. TREE REMOVAL - SPECIAL (6 INCH TO 15 INCH DIAMETER)	INCH DIA	3,000	78. CAST IRON FRAMES, TYPE 5, CLOSED LID	EACH	54
15. TREE REMOVAL - SPECIAL (OVER 15 INCH DIAMETER)	INCH DIA	1,800	79. MANHOLES TO BE ADJUSTED	EACH	59
16. ASPHALT SURFACE REMOVAL	SQ YDS	4,587	80. FILLING EXISTING MANHOLES	EACH	93
17. SUB-BASE GRANULAR MATERIAL, TYPE "A"	TONS	28,385	81. CATCH BASINS TO BE ADJUSTED	EACH	1
18. PORTLAND CEMENT CONCRETE BASE COURSE (6")	SQ YDS	70,090	82. FILLING EXISTING CATCH BASINS	EACH	74
19. PORTLAND CEMENT CONCRETE BASE COURSE (6")	SQ YDS	845	83. FILLING EXISTING INLETS	EACH	47
20. PORTLAND CEMENT CONCRETE BASE COURSE (18"-10 1/2"-16 1/2")	SQ YDS	1,379	84. VALVE VAULTS TO BE ADJUSTED	EACH	80
21. PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT	SQ YDS	1,854	85. DOMESTIC BUFFALO BOXES TO BE MOVED	EACH	19
22. PORTLAND CEMENT CONCRETE SIDEWALK (3")	SQ FT	77,150	86. LIGHT STANDARDS TO BE MOVED	EACH	20
23. PORTLAND CEMENT CONCRETE SIDEWALK (5")	SQ FT	79,177	87. FIRE HYDRANTS TO BE MOVED	EACH	8
24. GRAVEL OR CRUSHED STONE	TONS	1,500	88. TRENCH BACKFILL	CU YDS	1,945
25. CRUSHED STONE, COMPACTED	TONS	2,830	89. STEEL PLATE BEAM GUARD RAIL	LIN FT	1,075
26. COMBINATION CONCRETE CURB & GUTTER, TYPE 1	LIN FT	1,617	90. BROKEN CONCRETE RIPRAP	SQ YDS	18
27. COMBINATION CONCRETE CURB & GUTTER, TYPE 3	LIN FT	35,118	91. BARRICADE FOR WIDENING	UNITS	3,680
28. COMBINATION CONCRETE CURB & GUTTER, TYPE 3 (SPECIAL) (ABUTTING EXISTING PAVEMENT)	LIN FT	788	92. TOP SOIL	CU YDS	7.2
29. CONCRETE CURB, TYPE 4 (MODIFIED)	LIN FT	1,898	93. LEAF SEEDING	ACRES	2,900
30. COMBINATION CONCRETE CURB & GUTTER, TYPE 6	LIN FT	17,462	94. COMPLETE SEEDING	SQ YDS	9,740
31. COMBINATION CONCRETE CURB & GUTTER, TYPE 6 (VARIABLE WIDTH GUTTER FLAG)	LIN FT	486	95. SOODING	ACRES	7.2
32. COMBINATION CONCRETE CURB & GUTTER, TYPE 6 (VARIABLE WIDTH GUTTER FLAG)	LIN FT	180	96. FURNISHING AND ERECTING STRUCTURAL STEEL	SQ YDS	2,900
33. 4 FOOT CORRUGATED MEDIAN	LIN FT	5,856	97. FURNISHING AND ERECTING METAL HANDRAIL	LIN FT	806
34. CONCRETE MEDIAN, TYPE 4	LIN FT	60	98. FURNISHING PRECAST CONCRETE PILES (14")	LIN FT	1,584
35. BARRIER TYPE MEDIAN (ON BRIDGE)	SQ YDS	648	99. DRIVING PRECAST CONCRETE PILES	LIN FT	1,584
36. PORTLAND CEMENT CONCRETE PATCHING (9")	SQ YDS	1,000	100. FURNISHING PRECAST CONCRETE PILES (UP TO 20')	EACH	4
37. CLASS X CONCRETE	CU YDS	310.5	101. DRIVING TIMBER PILES	LIN FT	380
38. REINFORCEMENT BARS	LBS	156,494	102. TEST PILES (TIMBER)	EACH	280
39. EXPANSION BOLTS, SPECIAL	EACH	296	103. MAIN PLATES	EACH	9
40. EXPANSION BOLTS	EACH	18	104. CHANNEL EXCAVATION	CU YDS	1,070
41. LONGITUDINAL CURB EXPANSION JOINTS	SQ FT	5,807	105. CLASS A EXCAVATION FOR STRUCTURE	CU YDS	190
42. STORM SEWERS, TYPE 1, 6 INCH	LIN FT	4,429	106. STEEL SHEET PILING	SQ FT	800
43. STORM SEWERS, TYPE 1, 10 INCH	LIN FT	394	107. SLOPE WALL	SQ YDS	629
44. STORM SEWERS, TYPE 1, 12 INCH	LIN FT	289	108. REMOVAL OF EXISTING STRUCTURE	CU YDS	7.7
45. STORM SEWERS, TYPE 1, 18 INCH	LIN FT	196	109. REMOVAL OF EXISTING STRUCTURE	CU YDS	190
46. STORM SEWERS, TYPE 1, 24 INCH	LIN FT	1,640	110. REMOVAL OF EXISTING STRUCTURE	CU YDS	190
47. STORM SEWERS, TYPE 2, 6 INCH	LIN FT	1,724	111. HANDRAIL CONCRETE	CU YDS	190
48. STORM SEWERS, TYPE 2, 12 INCH	LIN FT	1,610	112. BITUMINOUS MATERIALS (PRIME COAT)	GALS	77
49. STORM SEWERS, TYPE 2, 18 INCH	LIN FT	288	113. AGGREGATE (PRIME COAT)	TONS	2
50. STORM SEWERS, TYPE 2, 24 INCH	LIN FT	288	114. BITUMINOUS CONCRETE SURFACE COURSE, FINE DENSE GRADED AGGREGATE TYPE, SUBCLASS 1-11	TONS	43
51. STORM SEWERS, TYPE 2, 30 INCH	LIN FT	288	115. BITUMINOUS CONCRETE BINDER COURSE	TONS	83
52. STORM SEWERS, TYPE 2, 36 INCH	LIN FT	288	116. GRAVEL OR CRUSHED STONE BASE COURSE, TYPE "A"	TONS	422
53. STORM SEWERS, TYPE 2, 42 INCH	LIN FT	288	117. WOOD GUARD RAIL	LIN FT	40
54. STORM SEWERS, TYPE 2, 48 INCH	LIN FT	288	118. SIDEWALK REMOVAL (SPECIAL)	SQ FT	378
55. STORM SEWERS, TYPE 2, 54 INCH	LIN FT	288	119. PERMANENT BARRICADES	EACH	4
56. STORM SEWERS, TYPE 2, 60 INCH	LIN FT	288	120. TEMPORARY GUARD RAIL	LIN FT	410
57. STORM SEWERS, TYPE 2, 66 INCH	LIN FT	288	121. POROUS GRANULAR BACKFILL	CU YDS	1,500
58. STORM SEWERS, TYPE 2, 72 INCH	LIN FT	288	122. PROJECT MARKERS	EACH	2
59. STORM SEWERS, TYPE 2, 78 INCH	LIN FT	288	123. REMOVAL OF BUILDINGS	EACH	4
60. STORM SEWERS, TYPE 2, 84 INCH	LIN FT	288	124. GRANULAR EMBANKMENT (SPECIAL)	CU YDS	2000
61. STORM SEWERS, TYPE 2, 90 INCH	LIN FT	288	125. CORPORATE BUFFALO BOXES TO BE ADJUSTED	EACH	5
62. STORM SEWERS, TYPE 2, 96 INCH	LIN FT	288	126. FERTILIZER NUTRIENTS	TONS	1.1
63. STORM SEWERS, TYPE 2, 102 INCH	LIN FT	288	127. SUPPLEMENTAL WATERING	UNITS	12
64. STORM SEWERS, TYPE 2, 108 INCH	LIN FT	28			

PLANS PREPARED BY BUREAU OF DESIGN Wm. H. Allen DATE 12-9-57
EXAMINED BY BUREAU OF CONSTRUCTION Wm. H. Allen DATE 12-9-57
EXAMINED BY BUREAU OF MAINTENANCE Wm. H. Allen DATE 12-9-57
EXAMINED BY BUREAU OF TRAFFIC Wm. H. Allen DATE 12-9-57
ENTIRE SECTION INSPECTED AND APPROVED AS TO POLICY
DISTRICT ENGINEER Wm. H. Allen DATE 4-22-58

INDEX OF SHEETS
FOR ADDISON CREEK BRIDGE
SHEET NO

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76. GENERAL PLAN
77-78. DETAILS OF SUPERSTRUCTURE
79. DETAIL OF HANDRAIL
80. DETAIL OF ABUTMENTS AND END BEARINGS
81. PLAN OF DETOUR ROAD (STAGE I)
82. PLAN OF DETOUR ROAD (STAGE II)
83. DETAIL OF PRECAST CONCRETE PILE
EXISTING UTILITIES ALONG CORMAN ROAD
84. STD - 1978 R, STD - 1115 AND STD - 1114
85. STD - 1971 S, STD - 1122, STD - 1130-S

SCHEDULE OF QUANTITIES

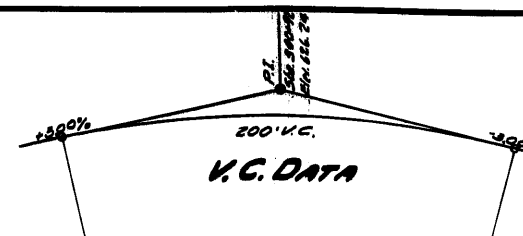
ITEM	UNIT	TOTAL
37. CLASS "X" CONCRETE	CU YDS	488.5
38. REINFORCEMENT BARS	LBS	108,080
97. FURNISHING AND ERECTING STRUCTURAL STEEL	LBS	9,740
98. FURNISHING AND ERECTING METAL HANDRAIL	LIN FT	808
99. FURNISHING PRECAST CONCRETE PILES (14")	LIN FT	1,884
100. DRIVING PRECAST CONCRETE PILES	LIN FT	1,884
101. TEST PILES (14" PRECAST CONCRETE)	EACH	4
102. FURNISHING ORGANOSED PILES	LIN FT	380
103. DRIVING TIMBER PILES	LIN FT	380
104. TEST PILES (TIMBER)	EACH	2
105. NAME PLATES	EACH	1
106. CHANNEL EXCAVATION	CU YDS	1,070
107. CLASS "A" EXCAVATION FOR STRUCTURE	CU YDS	180
3. PAVEMENT REMOVAL	SQ YDS	188
108. STEEL SHEET PILING	SQ FT	800
109. SLOPE WALL	SQ YDS	829
110. REMOVAL OF EXISTING STRUCTURES	LUMP SUM	
111. HANDRAIL CONCRETE	CU YDS	7.7
112. BITUMINOUS MATERIALS (PRIME COAT)	GALS	77
113. AGGREGATE (PRIME COAT)	TONS	2
114. BITUMINOUS CONCRETE SURFACE COURSE, FINE DENSE GRADED AGGREGATE, TYPE SUBCLASS 1-11	TONS	43
115. BITUMINOUS CONCRETE BINDER COURSE	TONS	83
116. GRAVEL OR CRUSHED STONE BASE COURSE, TYPE "A"	TONS	578
24. GRAVEL OR CRUSHED STONE	TONS	18
117. WOOD GUARD RAIL	LIN FT	40
9. WOOD GUARD RAIL REMOVAL	LIN FT	48
118. SIDEWALK REMOVAL (SPECIAL)	SQ FT	378
119. PERMANENT BARRICADES	EACH	4
14. TREE REMOVAL - 1 INCH DIAMETER - SPECIAL (6 INCH TO 15 INCH DIAMETER)	INCH DIA	39
15. TREE REMOVAL - 1 INCH DIAMETER - SPECIAL (OVER 15 INCH DIAMETER)	INCH DIA	30
1. EARTH EXCAVATION	CU YDS	160
87. FIRE HYDRANTS TO BE MOVED	EACH	1
120. TEMPORARY GUARD RAIL	LIN FT	410

NOTE: THE ABOVE QUANTITIES ARE FOR THE PROPOSED RECONSTRUCTION OF THE ADDISON CREEK BRIDGE AND ARE INCLUDED IN THE TOTAL SUMMARY OF QUANTITIES ON SHEET 2.

NOTE: THE "STANDARD SPECIFICATION FOR ROAD CONSTRUCTION" ADOPTED JANUARY 2, 1952 & SUPPLEMENTAL SPECIFICATION EFFECTIVE JULY 1, 1955, SHALL GOVERN THE CONSTRUCTION OF THIS WORK.

B.M.S.E. angle of intersection of Mannheim Rd. and Thirty-First St. in Concrete post Standard 24x24 stamped Prim Trav. Slab. No. 12K1926 R50 Elev. 635.050 U.S.G.S.
Existing Structure - P.C.C. Slab, 8' Spans @ 21'-5", Rdwy 20' 22'-0" on Concrete Piers and Abutments

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



ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 55	551-Y	Cook	98	76
FED. ROAD DIST. NO. 7	551-Y	FED. AID PROJECT		

SHEET NO. 1
5 SHEETS

GENERAL NOTES

Class X Concrete shall be used throughout.
The Concrete floor slab shall be finished in accordance with Art. 51.18(b) of the Standard Specifications.
Slope walls shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 50# per 100 Sq. Ft.
Layout of Slope walls may be varied to suit ground conditions in the field, as directed by the Engineer.
The Contractor shall construct the proposed bridge in two stages. The Contractor shall construct and maintain the temporary detours while removing existing structure and constructing the proposed bridge one half at a time. See Special Provisions.
All rollers, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Art. 51.14 of the Standard Specifications and are included for payment as Structural Steel.
Steel Sheet Piling shall have a minimum Section Modulus of 30.2 in. and is estimated to be 30 long.

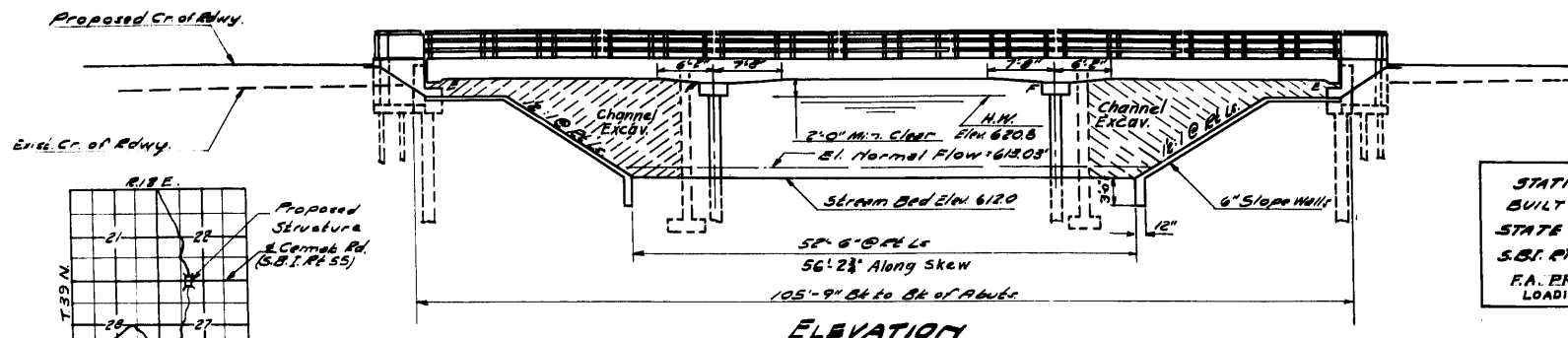
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Art. 51.16(b) inclusive of the Standard Specifications. All paint shall be furnished and applied by the Contractor.
All inaccessible parts of steel structure shall be given two shop coats of red lead paint. Straps shall not be painted.
The contractor shall drive 4 Precast Test Piles in permanent locations as directed by the Engineer before casting remainder of piles. One test pile shall be driven in each abutment and pier.
The Contractor shall drive 2 Timber Test Piles, one pile at each abutment before ordering remainder of timber piles.

BILL OF MATERIAL

ITEM	SUPPLY	SUB	TOTAL
Class X Concrete Cu Yds.	403.2	85.3	488.5
Reinforcement Bars Lbs.	95420	6630	102,050
Structural Steel Lbs.	9740		9740
Metal Handrail Lin. Ft.	205		205
Precast Concrete Piles (4) Lin. Ft.		1584	1584
Test Piles (4) Precast Conc. Ea.		4	4
Crested Piles Lin. Ft.		320	320
Test Piles (Timber) Ea.		2	2
Name Plates Ea.	1		1
Channel Excavation Cu Yds.			1070
Class A Excav for Struct. Cu Yds.			190
Pavement Removal Sq. Yds.			168
Steel Sheet Piling Sq. Ft.			800
Slope Wall Sq. Yds.			629
Removal of Exist. Struct. Ea.			One
Handrail Concrete Cu Yds.		7.7	7.7

GENERAL PLAN

CERMAN RD. OVER ADDISON CREEK
S.B.I. Rt. 55 - Sec. 55-Y
COOK COUNTY
Sta. 300+92.0

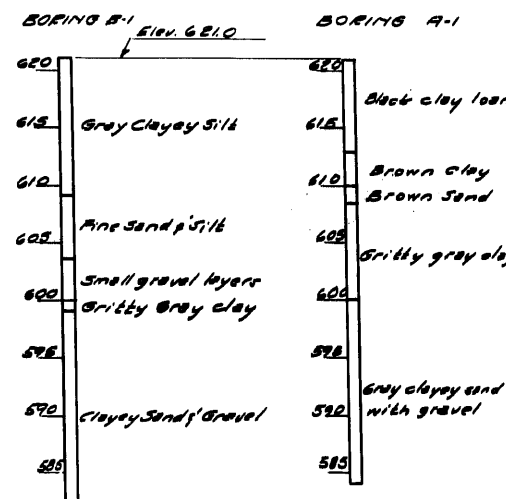


STATION 300+92
BUILT 195 BY
STATE OF ILLINOIS
S.B.I. RT. 55-SEC. 55-Y
P.A. PROJ. U-577 (S)
LOADING H20-S16

NAME PLATE

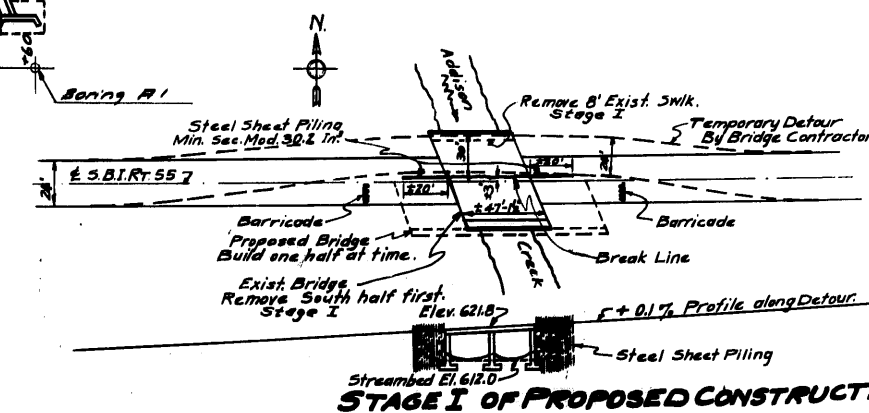
DESIGN STRESSES

f_c = 1400 psi. Super
f_c = 800 psi. SUB
f_s = 20000 psi. REIN.
n = 10



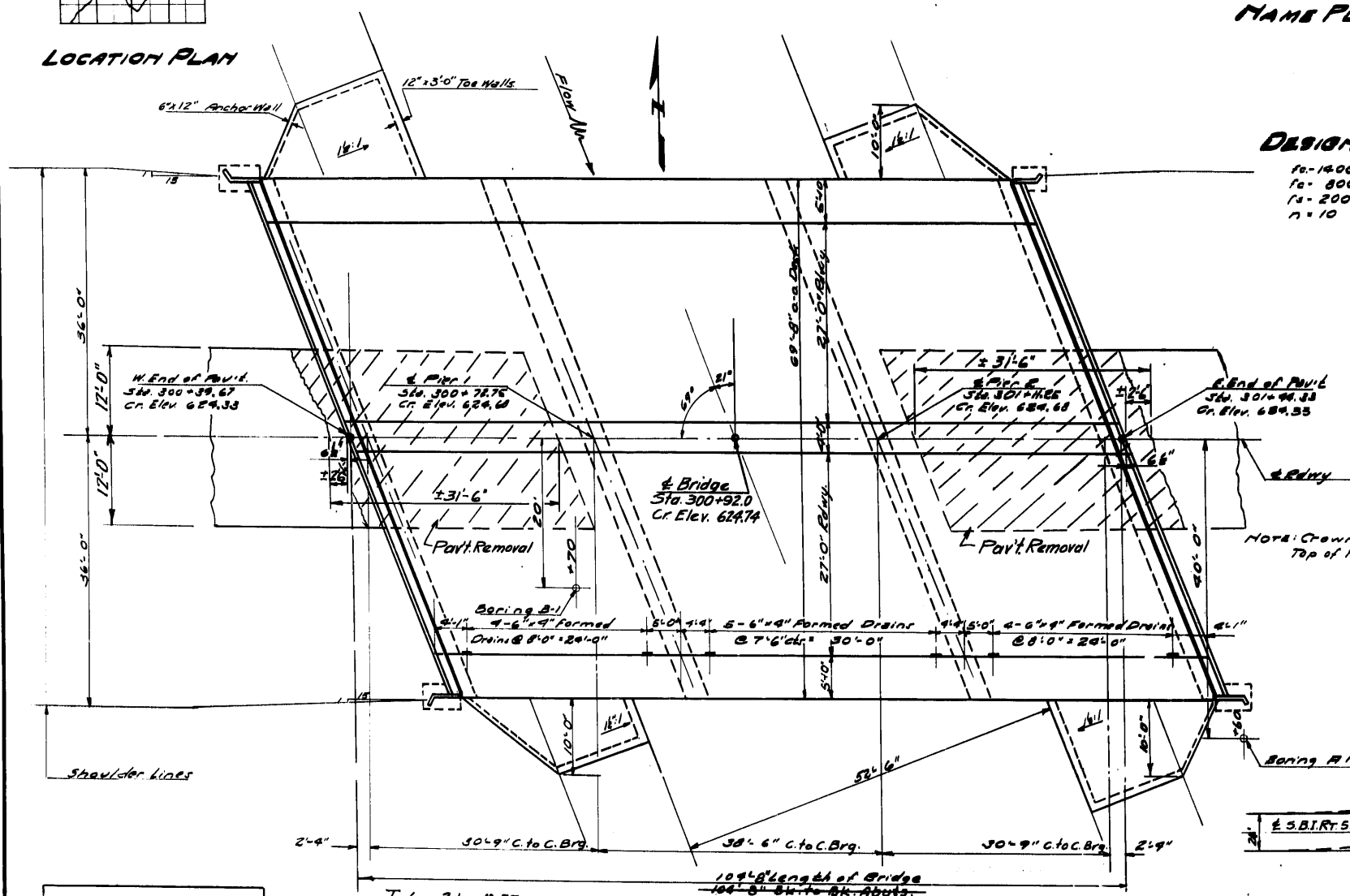
WATERWAY INFORMATION

Required Opening (50 Yds. Flood) ... 555'
Proposed Opening ... 555'



LOADING H20-S16-44

LOCATION PLAN



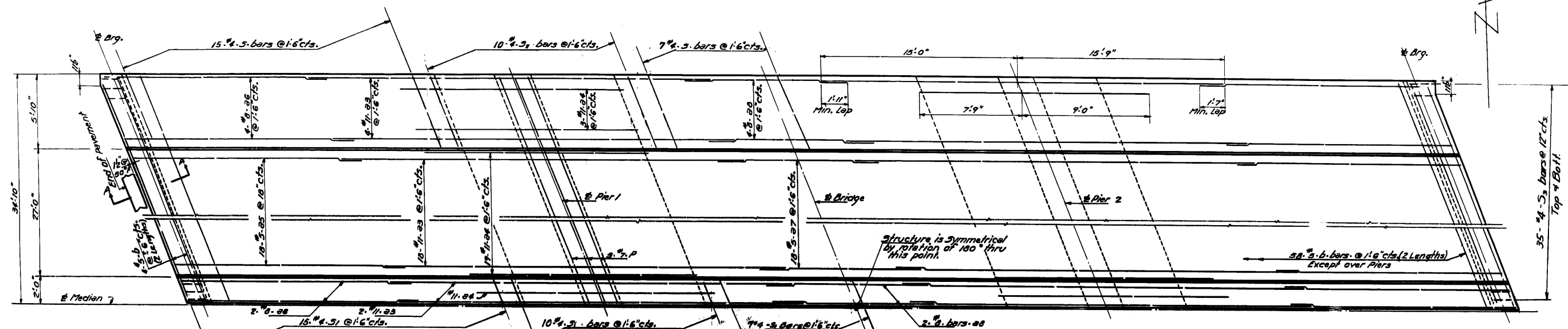
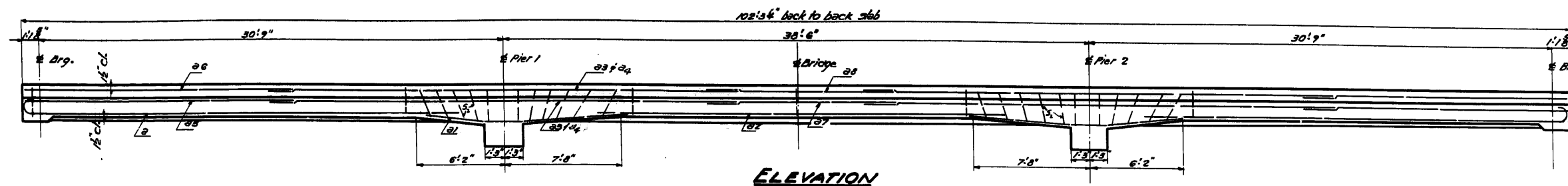
DESIGNED *Paul A. Moughal*
CHECKED *C.W. Shick*
DRAWN *A.S.M. F. Morcote*
CHECKED *M.G. Rota*

EXAMINED *W. Romine*
PASSED *E.P. Shick*
APPROVED *R.R. Bartholomew*
CHIEF HIGHWAY ENGINEER

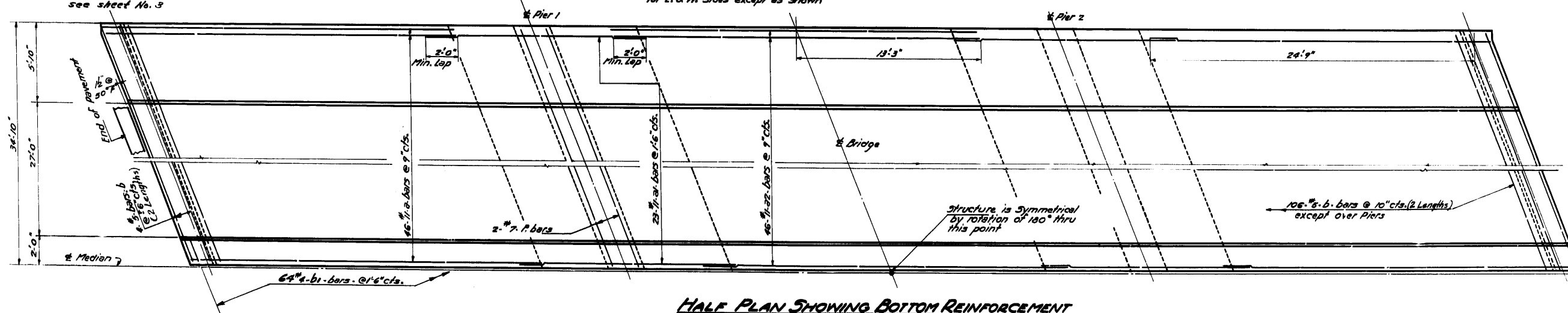
July 31 1957

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
S. B. I. 55	551-Y	Cook	98	77	5 SHEETS
FED. ROAD DIST. NO. 1	ALL '76	FED. AID PROJECT			



Note: For Sec. A-A & Bill of Material see sheet No. 3

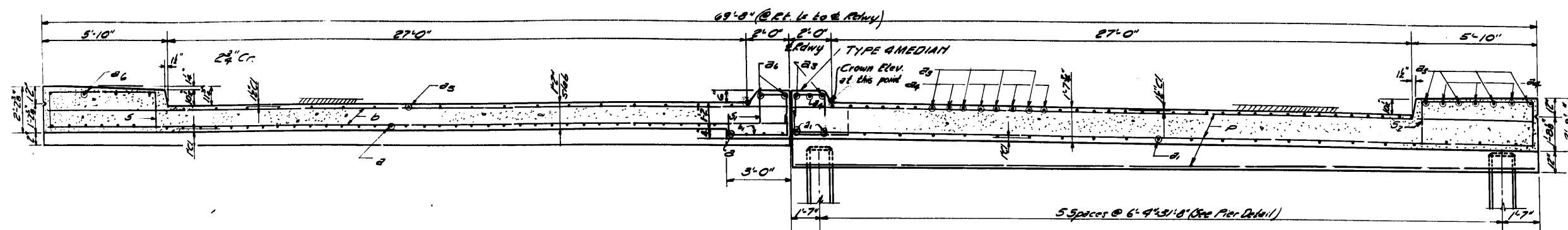


DESIGNED <i>Walter A. Mergelich</i>	EXAMINED <i>July 31 1957</i>
CHECKED <i>Charles W. Mink</i>	PASSED <i>[Signature]</i>
DRAWN <i>A.S.M. M. Miller</i>	APPROVED <i>[Signature]</i>
CHECKED <i>[Signature]</i>	CHIEF HIGHWAY ENGINEER

SUPERSTRUCTURE
CERMAK RD. OVER ADDISON CREEK
S.B.I. RT. 55 - SEC. 551-Y
COOK COUNTY
STATION 300+92.0

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
S.S.	551-Y	Cook	98	78	5 SHEETS
FED. ROAD DIST. NO. 7	ILL. PROJ. NO.	FED. AID PROJECT			



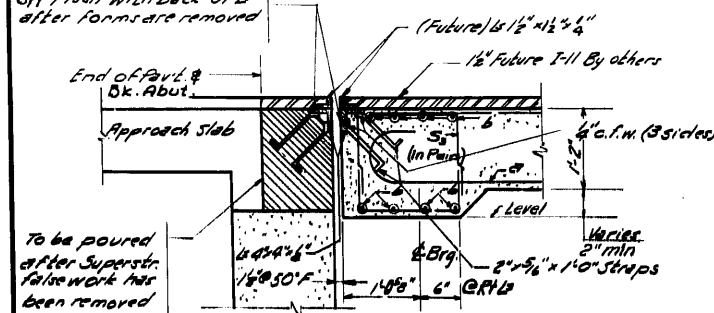
HALF SECTION NEAR ABUTMENT

HALF SECTION OVER PIERS

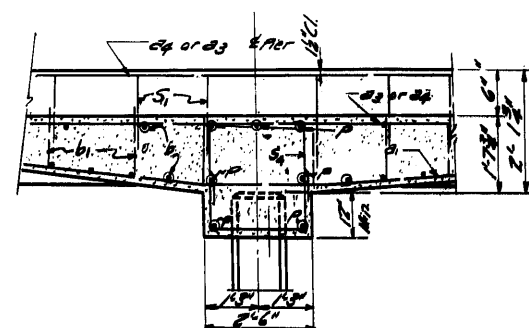
CROSS SECTION

Note: Struct. is Symm. @ & Rdwy. except as noted

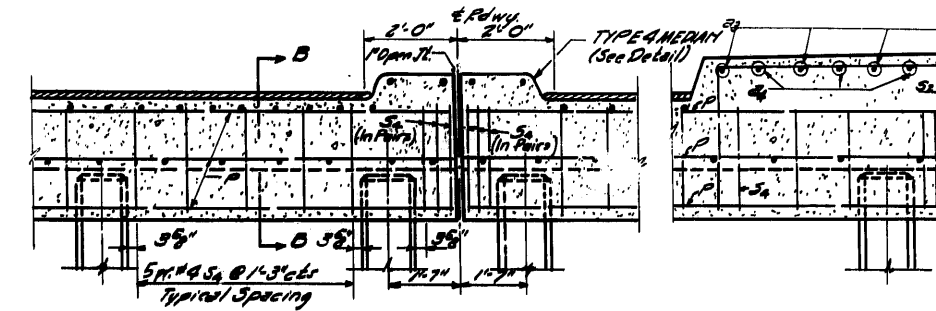
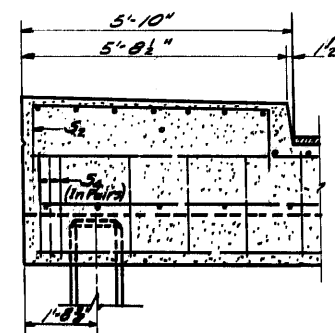
7/8" holes @ 12" cts for 3/8" bolts. All bolts shall be burned, sawed or clipped off flush with back of S after forms are removed.



SECTION A-A
(Shown on Sheet 2)

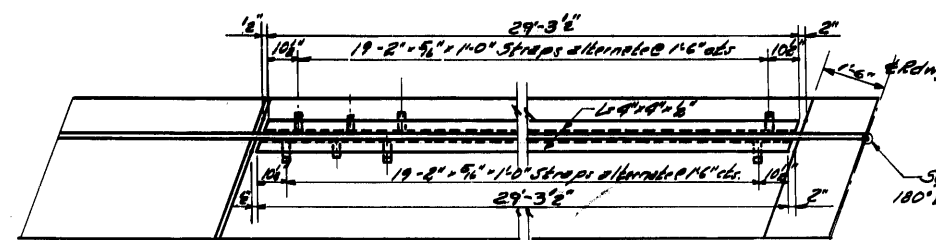


SEC. B-B



PIER DETAILS

Note: Structure is Symm. @ & Rdwy. except as noted



PILE DATA: 12-14" Precast Concrete Piles required for each pier Capacity = 45 Tons Estimated Length = 40'-0"

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a	184	#11	28'-9"	U
b1	92	#11	14'-6"	U
a2	92	#11	27'-3"	U
a3	96	#11	30'-9"	U
a4	92	#11	16'-9"	U
a5	72	#5	17'-6"	U
a6	24	#8	17'-6"	U
a7	36	#5	12'-6"	U
a8	12	#8	12'-6"	U
b	720	#3	19'-6"	U
b1	192	#4	3'-6"	U
P	28	#7	37'-0"	U
S	88	#4	9'-3"	U
S1	128	#4	3'-7"	U
S2	40	#4	10'-3"	U
S3	280	#4	3'-6"	U
S4	124	#4	6'-0"	U
Class X Concrete Cyls. 403.2				
Reinforcement Bars Lbs. 95420				
Structural Steel Lbs. 9740				
Precast Conc. Piles (4 in. Ft. 880				
Test Piles (1479 Conc.) Ea. 2				

MEDIAN

CURB & FLOOR DRAIN DETAIL

EXPANSION GUARD DETAIL
Estimated Wt. 5520 Lbs.

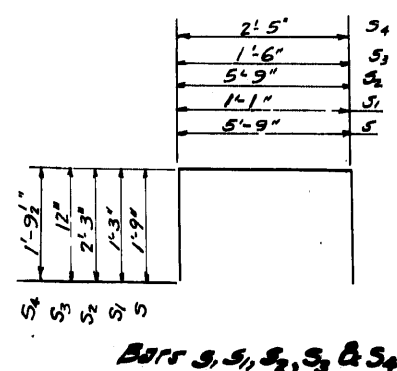
STRAP DETAIL

SUPERSTRUCTURE

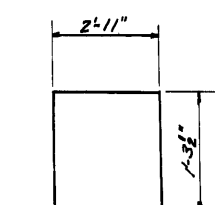
GERMAN RD. OVER ADDISON CREEK
S.B.T. RT. 55-SEC. 551-Y
COOK COUNTY
STA. 300+92.0

DESIGNED H.S. Manghiatu
CHECKED C.W. Blick
DRAWN H.S.M. F.M. 1000 P.
CHECKED C.W. B. M.S.

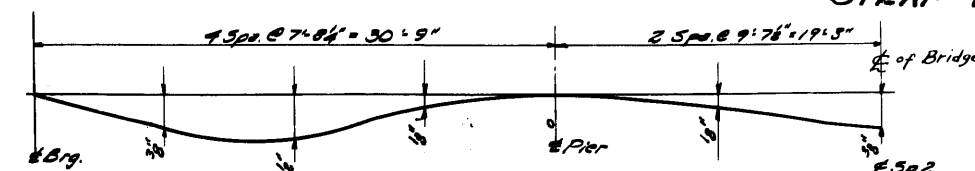
EXAMINED J.M. Romine
PASSED E.C. Shuck
APPROVED R.R. Benthley
JULY 31 1957
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER



Bar s, s1, s2, s3 & s4



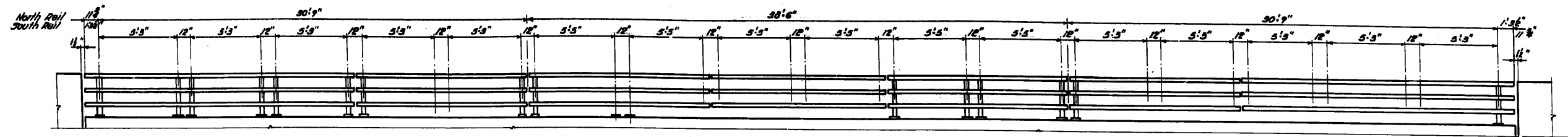
Bar b1



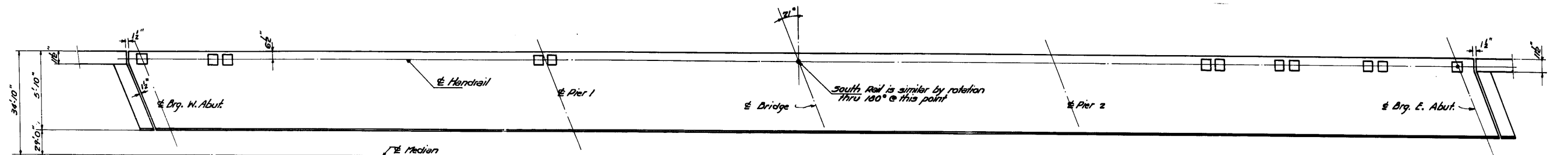
DEAD LOAD DEFLECTION DIAGRAM
NOTE: In addition to D.L. deflection the contractor shall make allowances for shrinkage and settlement.

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

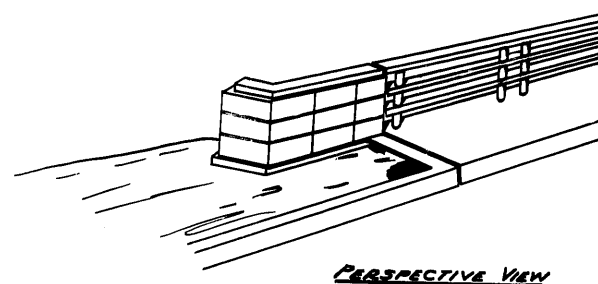
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
55	551-Y	Cook	98	79	5 SHEETS
FED. ROAD DIST. NO. 1	NO. 1	FED. AID PROJECT			



HANDRAIL ELEVATION



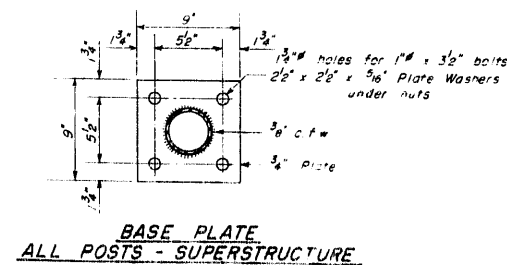
PLAN OF NORTH HANDRAIL



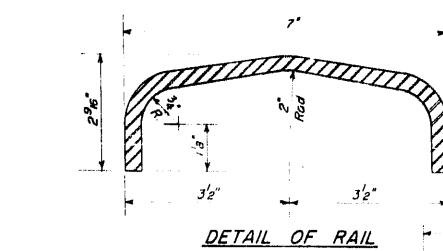
PERSPECTIVE VIEW

DESIGNED *Walter A. Nungesser*
CHECKED *Charles W. Glick*
DRAWN *W. W. 4. Gousumier, M. Miller*
CHECKED *C. H. L. M. G. O.*

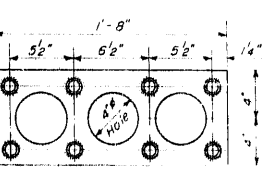
EXAMINED *W. M. Renshaw*
PASSED *E. J. Shuck*
APPROVED *C. R. Bartholomew*
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER



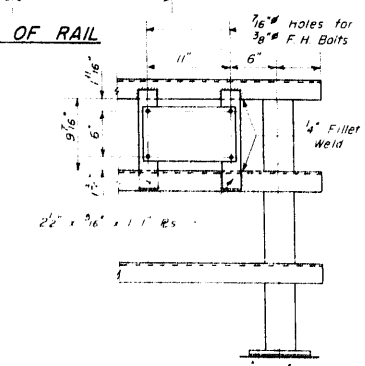
BASE PLATE
ALL POSTS - SUPERSTRUCTURE



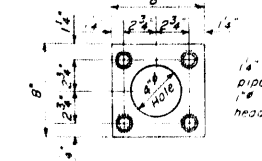
DETAIL OF RAIL



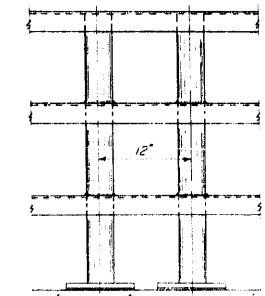
ANCHOR DEVICE
At Double Posts



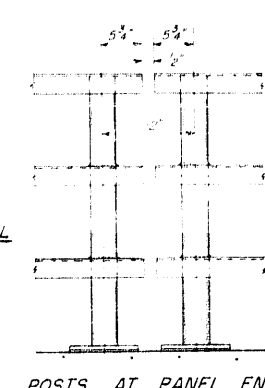
NAME PLATE CONNECTION DETAIL



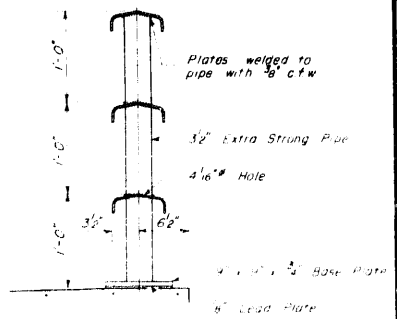
ANCHOR DEVICE
At Single Post



TYPICAL DOUBLE POST



POSTS AT PANEL END



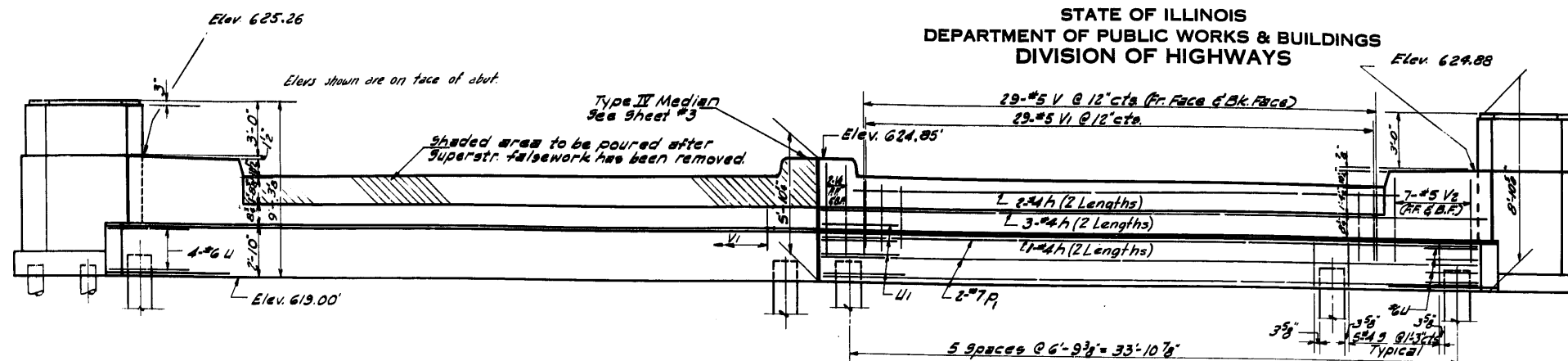
TYPICAL CROSS SECTION

BILL OF MATERIALS
206.0

HANDRAIL
CERMAK RD. OVER ADDISON CREEK
S.B.T. Rt. 55-SEC. 551-Y
COOK COUNTY
STATION 300+92.0

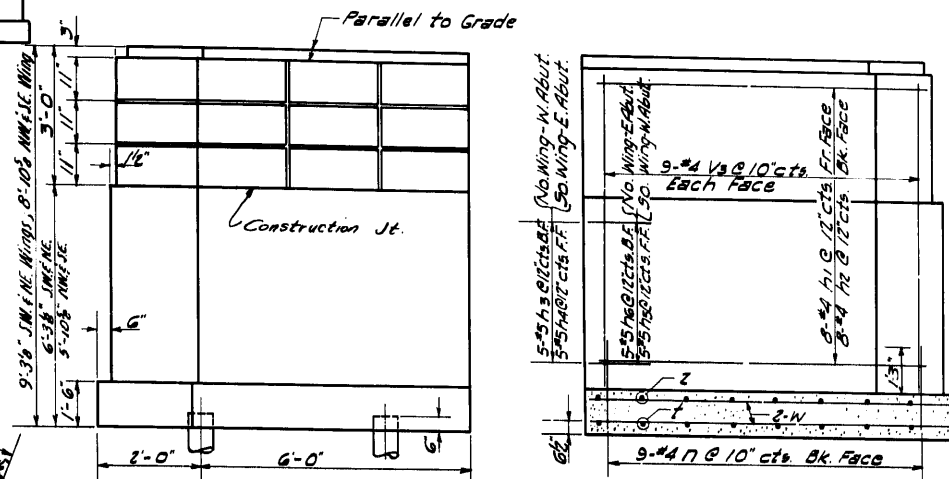
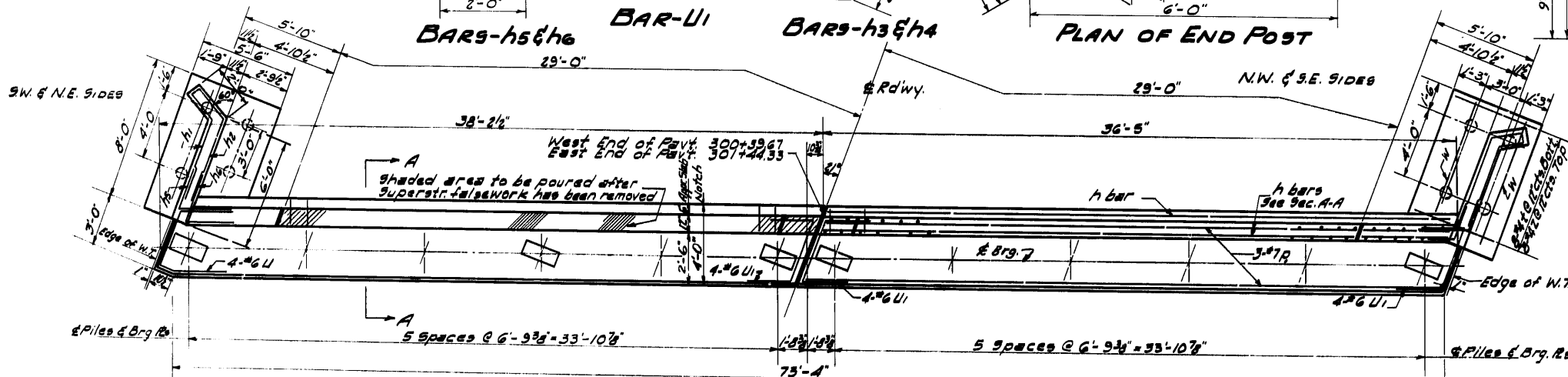
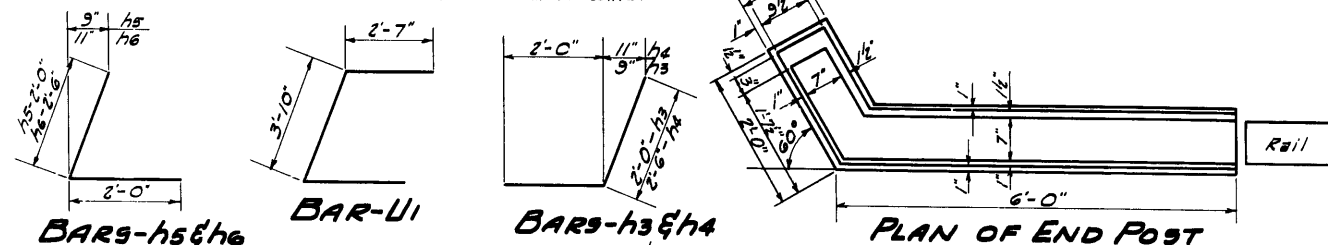
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO.
55	551-Y	Cook	98	80	5
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			



PILE DATA
12-14" Precast Concrete Piles
required for each Abutment.
Capacity - 40 Ton
Estimated Length - 32 Ft.
8-10 Ton Creosoted Piles
required for each Abutment.
Estimated Length - 20 Ft.

ELEVATION OF ABUTMENTS
Elevations for East & West Abutments identical



BILL OF MATERIAL
TWO ABUTMENTS

BAR	No.	SIZE	LENGTH	SHAPE
h	48	#4	13'-3"	—
h1	32	#4	6'-6"	—
h2	32	#4	7'-5"	—
h3	10	#5	4'-0"	—
h4	10	#5	4'-6"	—
h5	10	#5	4'-0"	—
h6	10	#5	4'-6"	—
7	36	#4	2'-9"	—
9	24	#7	36'-6"	—
9s	100	#4	13'-1"	—
z	32	#4	5'-3"	—
u	8	#6	8'-5"	—
u1	24	#6	9'-0"	—
v	232	#5	3'-6"	—
v1	116	#5	4'-3"	—
v2	72	#5	4'-0"	—
v3	72	#4	7'-3"	—
w	16	#4	7'-6"	—
z	32	#4	5'-3"	—
Class X Concrete				Cu Yds. 85.3
Reinforcement Bars				Lbs. 6630
Precast Conc. Piles (4")				Lin. Ft. 704
Test Piles (14" Precast Conc.)				Eq. 2
Creosoted Piles				Lin. Ft. 320
Test Piles (Timber)				Eq. 2
Handrail Concrete				Cu Yds. 7.7

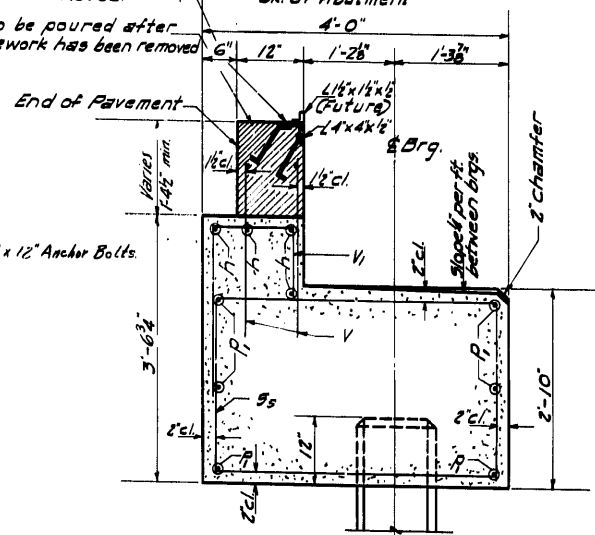
BOTTOM PLATE

Note: Wt. of Rollers, Plates, Bolts - 6420 Lbs.
is included in Structural Steel
on sheet 3

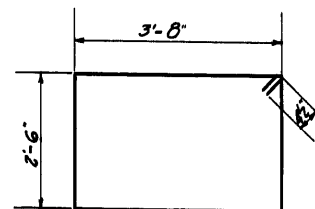
END BEARING DETAIL

DESIGNED <i>Haile A. Menghis</i>	EXAMINED <i>July 31 1957</i>
CHECKED <i>C.W. Glick</i>	ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
DRAWN <i>J.S. SANDOVAL</i>	PASSED <i>[Signature]</i>
CHECKED <i>C.W. G.</i>	APPROVED <i>[Signature]</i>
	CHIEF HIGHWAY ENGINEER

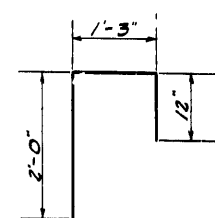
SECTION A-A



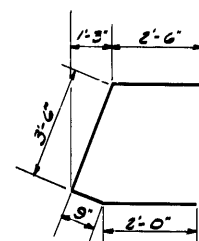
BAR-S5



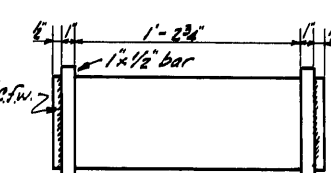
BAR-VI



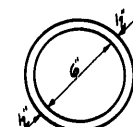
BAR-U



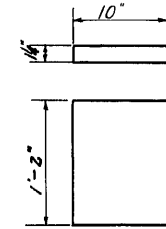
BAR-h2 BAR-h1



ROLLER DETAILS



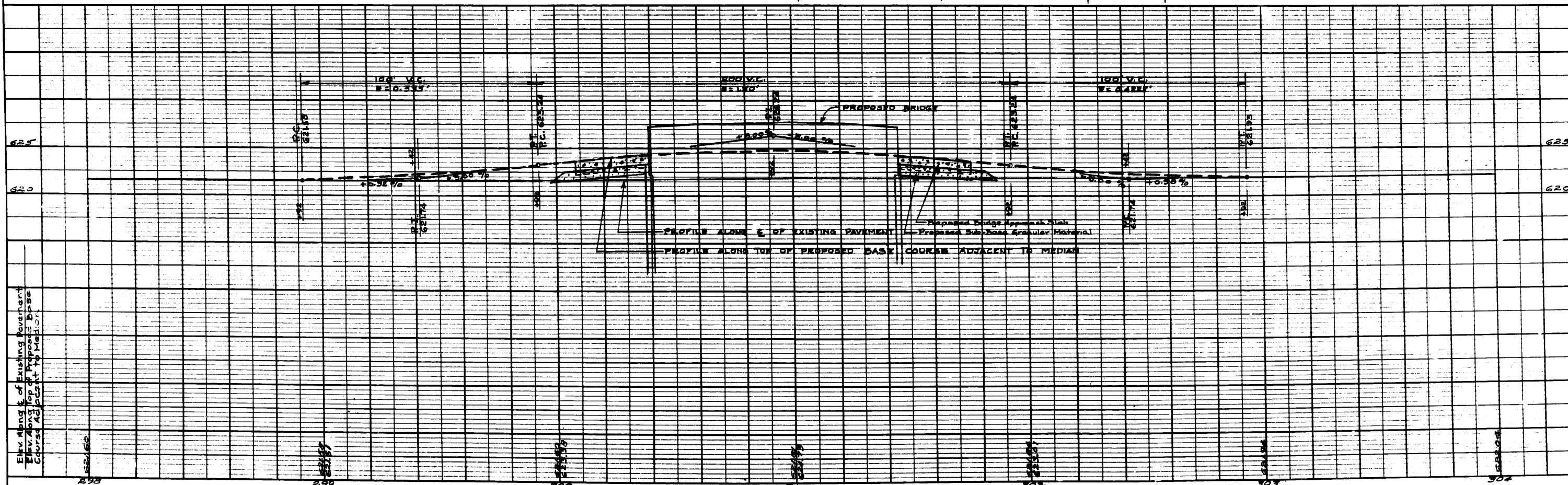
TOP PLATE



ABUTMENTS & END BEARING DETAIL
CERMAK RD. OVER ADDISON CREEK
S.B.I.Rt. 55 SEC. 551-Y
COOK COUNTY
STATION 300+92.0

PLAN	SURVEYED	BY	DATE
	PLOTTED ALIGNMENT CHECKED RT. OF WAY CHECKED		
NOTE BOOK			
NO			

PROFILE		BY	DATE
SURVEYED _____ PLOTTED _____ CHAINS CHECKED _____ B. M. NOTED _____			



PLAN	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
DESIGNED		
CHECKED		
APPROVED		
NOTE BOOK		
NO.		

Elev. Along Top of Proposed Surface Course Adjacent to Median
Elev. Along Top of Proposed Surface Course Adjacent to Median

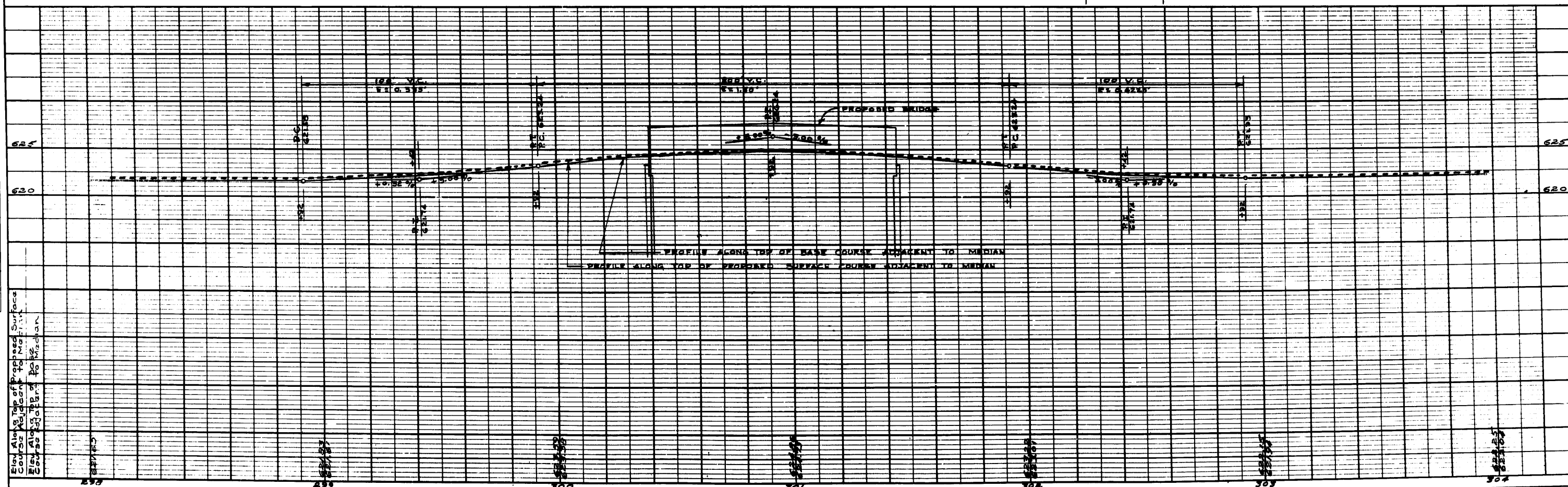
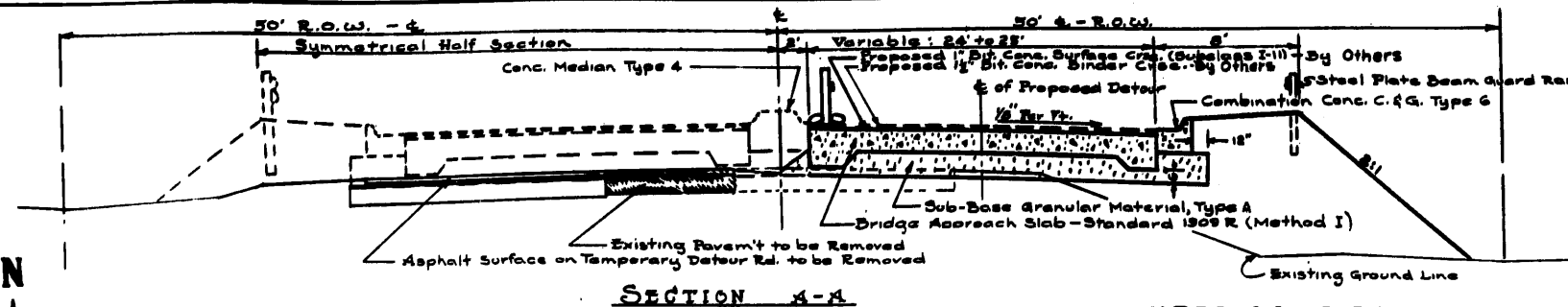


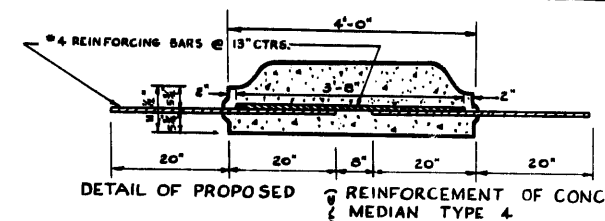
PLATE 1-PLAN-PROFILE D.P.R. & R.E. STANBARD
100' SEE MAPS: MADE AND PRINTED IN U. S. A.
EUGENE DIETZEN CO.



LEGEND

Temporary Detour Road to be Removed
Existing Pavement to be Removed
Wood Guard Rail to be Removed
Steel Plate Beam Guard Rail

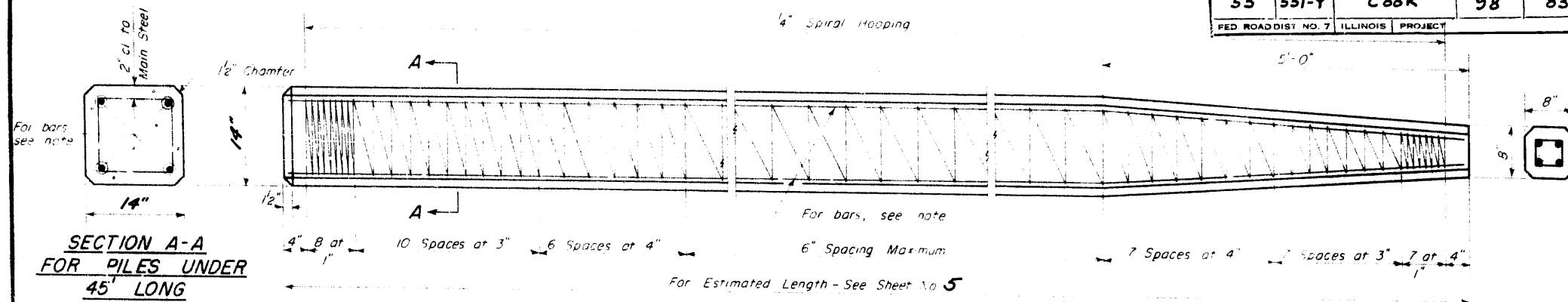
Note: Proposed Bridge @ Sta. 300+92



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
551-Y	Cook	98	82
STA. 298+00 TO STA. 304+00			
U.S. BUREAU OF PUBLIC ROADS, DIV. 4 (ILLINOIS) P.A. PROJECT			

PLAN OF
TEMPORARY DETOUR
ROAD
"STAGE II"

SBI ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
55	551-Y	Cook	98	83
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT		



Note: For 14" Piles 45' long or more use 4-#8 bars - 4 for the full length and 4 to the point of bevel.
For 14" Piles under 45'-0" long use 4-#9 bars the full length

Handling: For Pile lengths up 45 Ft. use two slings placed at a distance of 0.21 L* from each end.
For Piles longer than 45 Ft. use three slings placed at a distance of 0.12 L from each end and at mid-point of pile.

* L: Over all length of pile to be handled

DESIGNED *H.S. Menghistu*
CHECKED *C.W. Glick*
DRAWN *W.A. Sausman*
CHECKED *M.G. Peter*

EXAMINED *July 31 19 57*
W.M. Romine
PASSED *E.L. Shuck*
APPROVED *R.R. Bartsch*

X-1 DRAWN 5-31-57

DETAIL OF PRECAST CONCRETE PILE

