

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	1
ILLINOIS			CONTRACT NO. 62M74	

* 27 + 1 = 28 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENTS ARE LOCATED IN THE VILLAGE OF WORTH AND CITY OF PALOS HEIGHTS

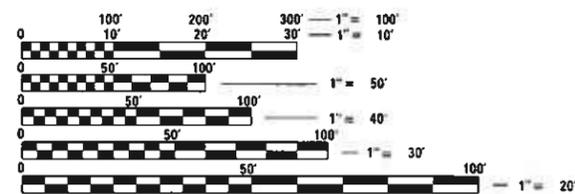
TRAFFIC DATA

IL 43: HARLEM AVE

2019 ADT = 37700
POSTED SPEED LIMIT = 35 MPH

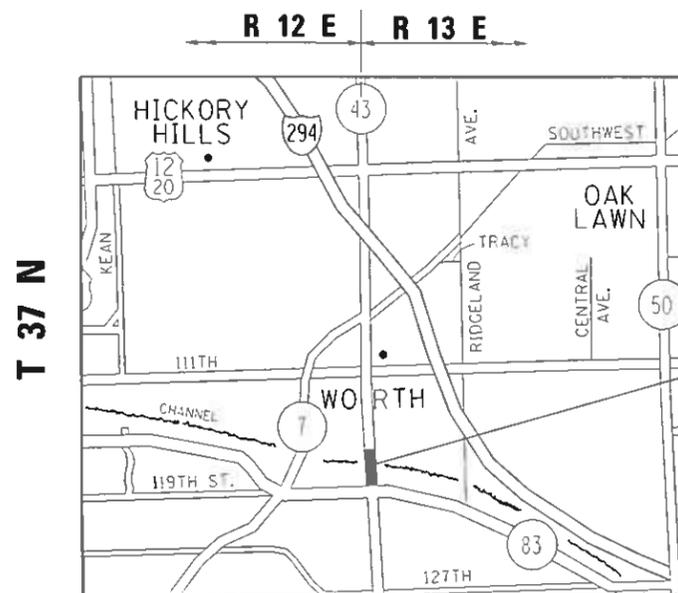
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 348: IL 43 (HARLEM AVE)
OVER CALUMET SAG CHANNEL
SECTION 2020-202-BP
PROJECT: NHPP-0FX9(951)
BRIDGE PAINTING
COOK COUNTY
C-91-404-20



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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811



SN 016-0323
IL 43 (HARLEM AVE) OVER
CALUMET SAG CHANNEL

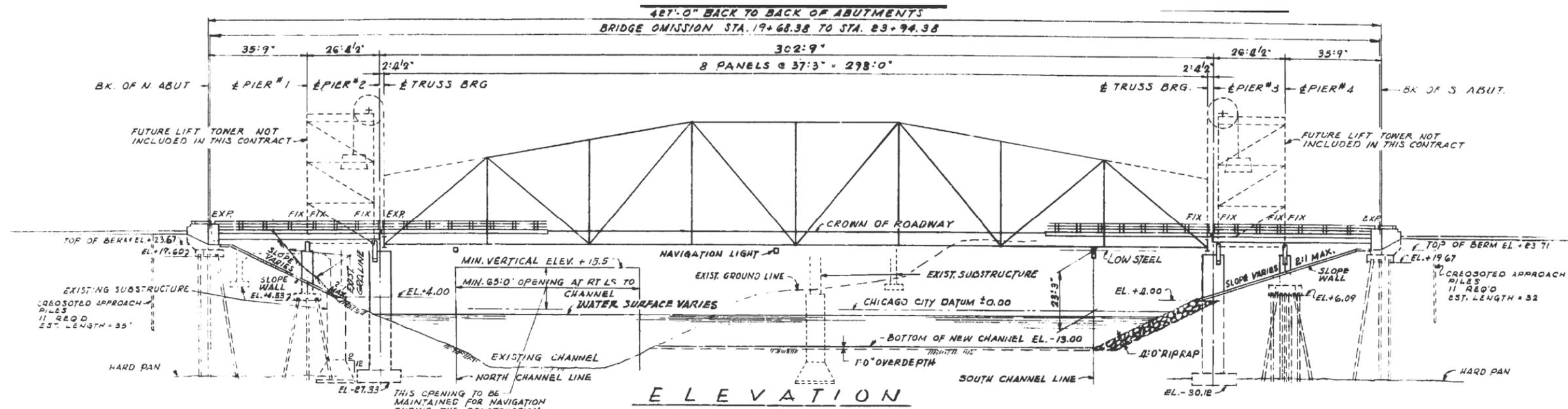
PROJECT MANAGER: MIDY, J. ALAIN (847) 221-3056

CONTRACT NO. 62M74

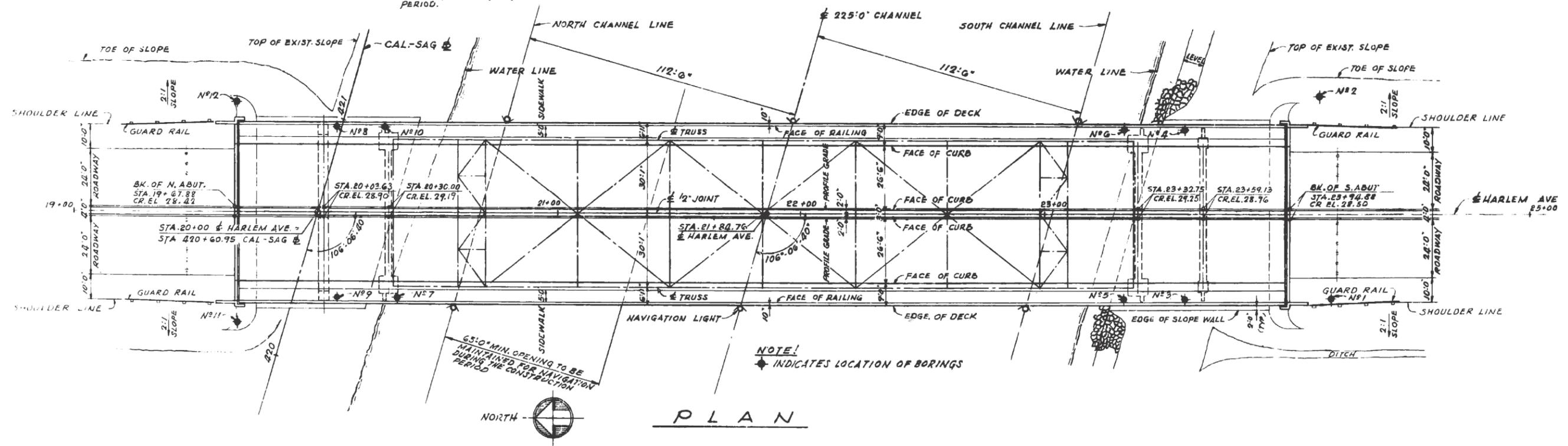
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Amended 3* 20 20
Anthony J. Danajko/CRS
REGIONAL ENGINEER
October 2, 2020
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT
October 2, 2020
James M. Jan
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS



ELEVATION



PLAN

FOR INFORMATION ONLY

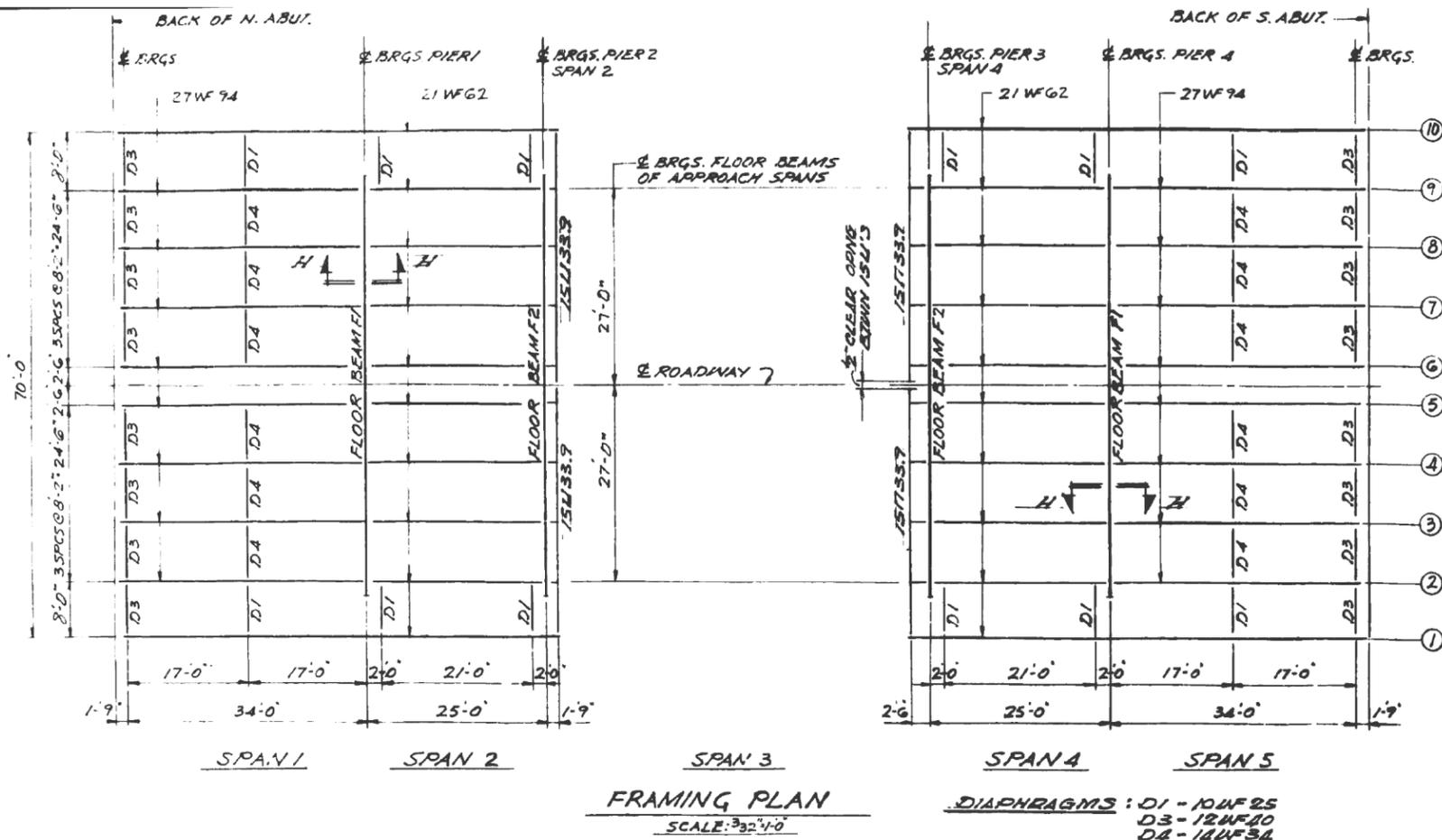
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000" / in.	CHECKED -	REVISED -
PLOT DATE = 8/10/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

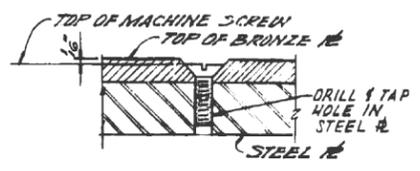
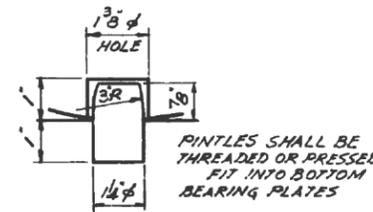
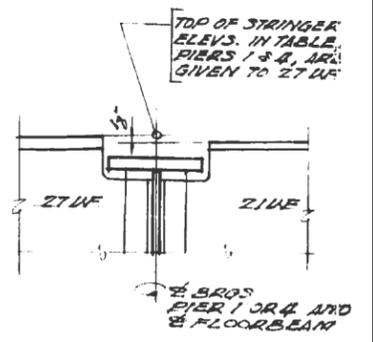
EXISTING PLAN. SN 016-0323	
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M74	



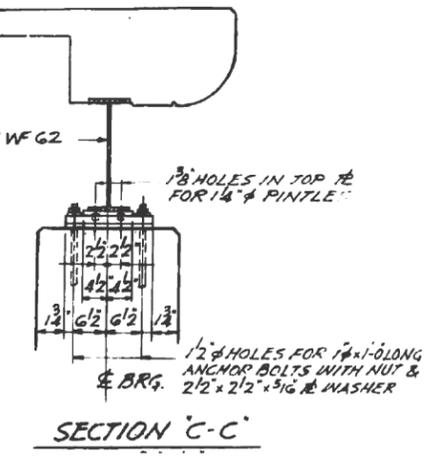
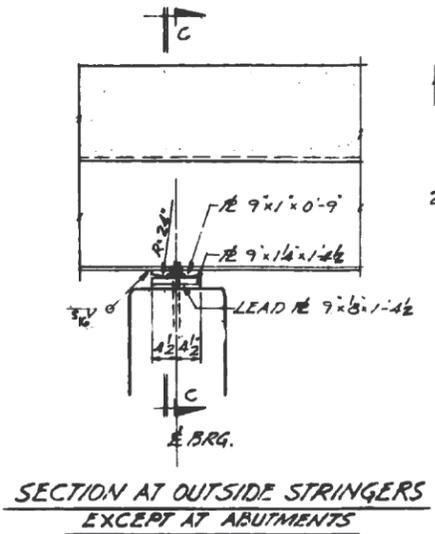
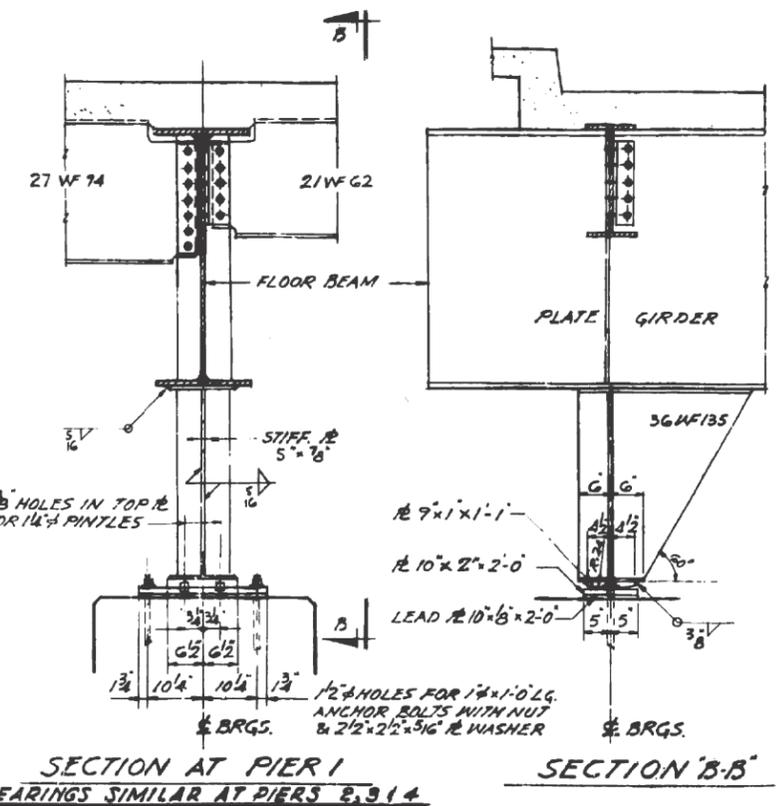
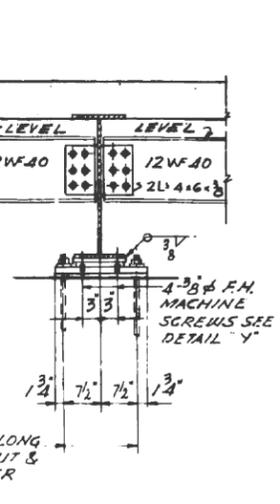
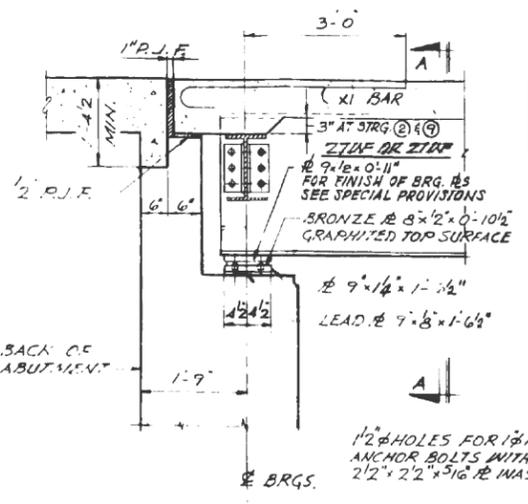
TOP OF STRINGER ELEVATIONS (FOR FABRICATION ONLY)

STRINGER NO. LOCATION	1 AND 10	2 AND 9	3 AND 8	4 AND 7	5 AND 6
BRGS. NORTH ABUTMENT	27.543	27.543	27.706	27.836	27.918
BRGS. PIER 1 SPAN 1	27.994	27.994	28.157	28.287	28.369
BRGS. PIER 2 SPAN 2	28.267	28.267	28.430	28.560	28.642
BRGS. PIER 3 SPAN 4	28.319	28.319	28.482	28.612	28.694
BRGS. PIER 4 SPAN 5	28.055	28.055	28.218	28.348	28.430
BRGS. SOUTH ABUTMENT	27.615	27.615	27.778	27.908	27.990



BILL OF MATERIAL

ITEM	UNIT	QUANTITIES
STRUCTURAL STEEL	LBS	115,380
BRONZE BEARING AND EXPANSION PLATES	EACH	10



FOR INFORMATION ONLY

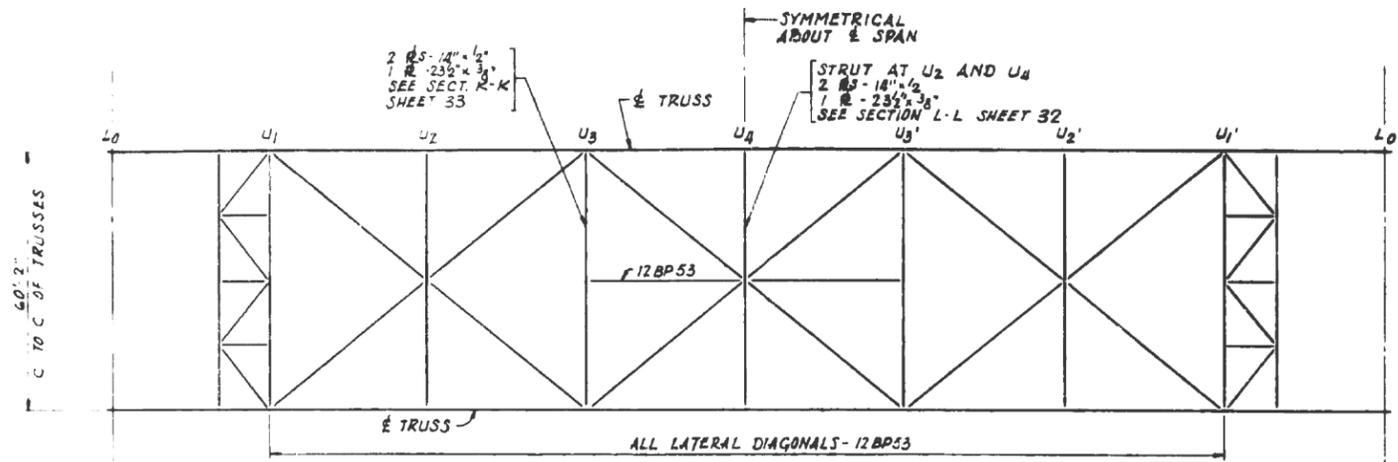
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 DATE: 8/10/2020

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000" / in.	CHECKED -	REVISED -
PLOT DATE = 8/10/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

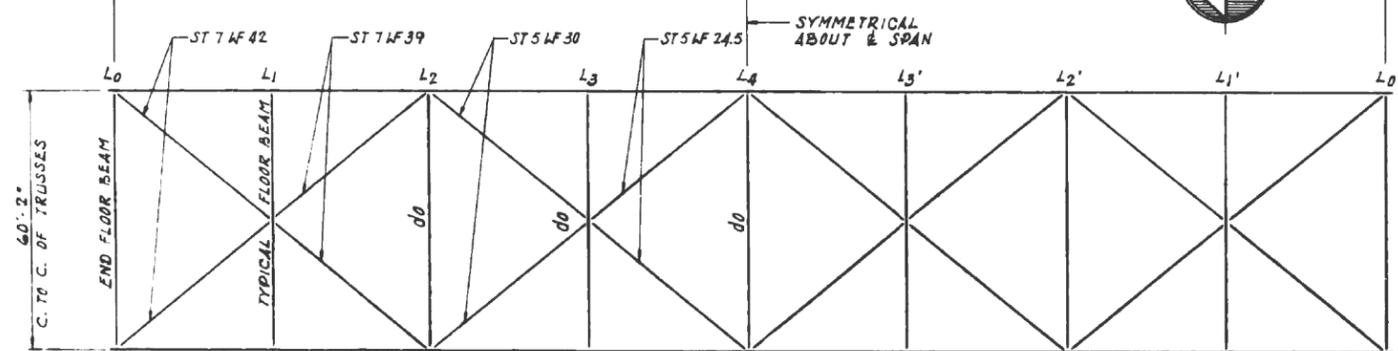
FRAMING PLAN & BEARING DETAILS, SPAN 1, 2, 4, 5, SN 016-0323
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL

F.A.P. RTE. 348	SECTION 2020-202-BP	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 6
SCALE: SHEET OF SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT CONTRACT NO. 62M74	



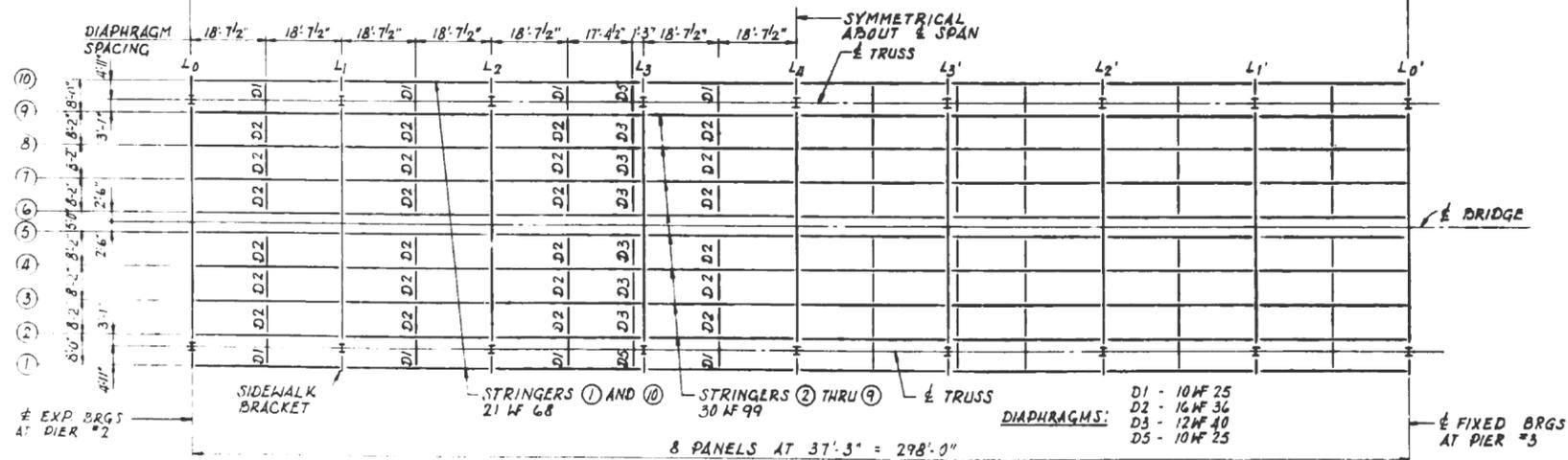
PLAN OF TOP LATERALS

SCALE: 1" = 20'



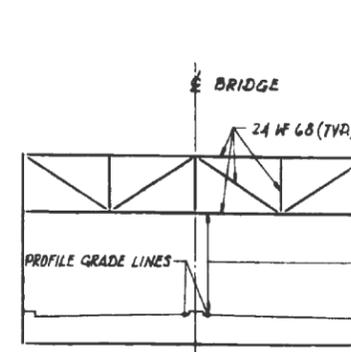
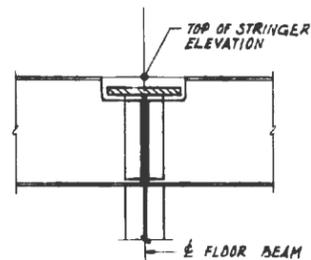
PLAN OF BOTTOM LATERALS

SCALE: 1" = 20'

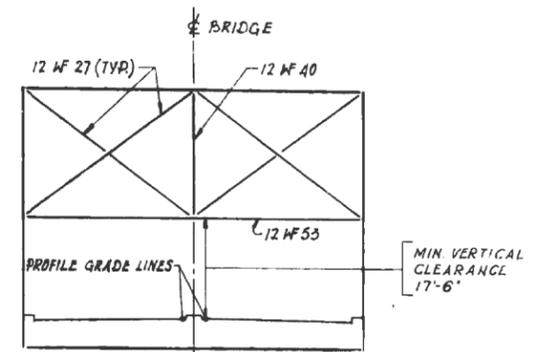


FRAMING PLAN OF FLOOR STEEL

SCALE: 1" = 20'



L0U1 AND L0'U1' PORTAL FRAME



L3U3 AND L3'U3 SWAY FRAME

FOR INFORMATION ONLY

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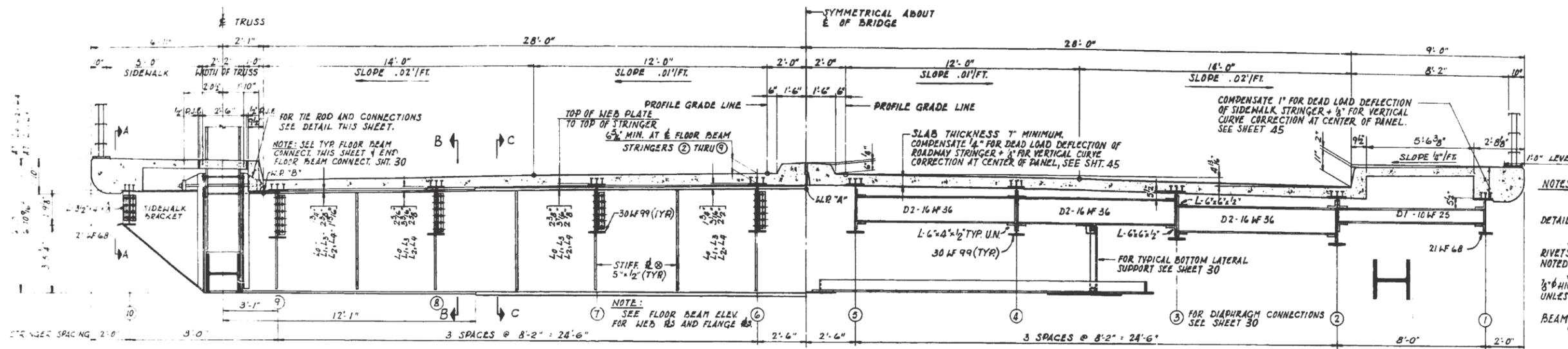
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PLOT DATE = 8/10/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN SPAN 3. SN 016-0323
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL

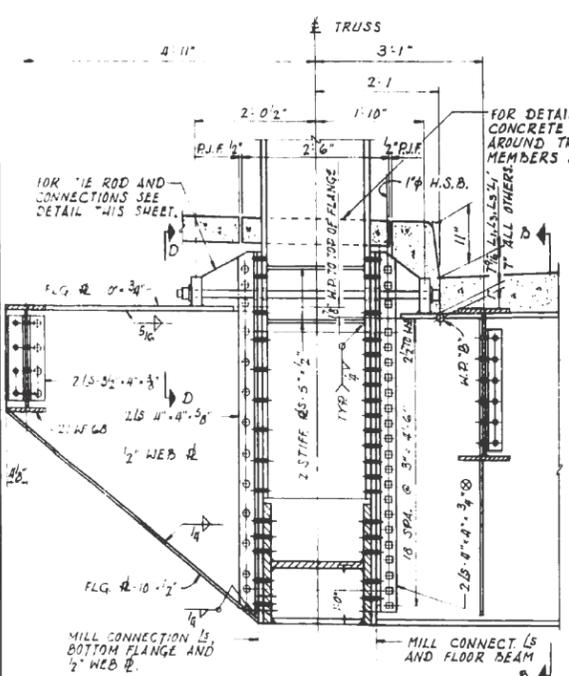
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	8
			CONTRACT NO. 62M74	
		ILLINOIS FED. AID PROJECT		

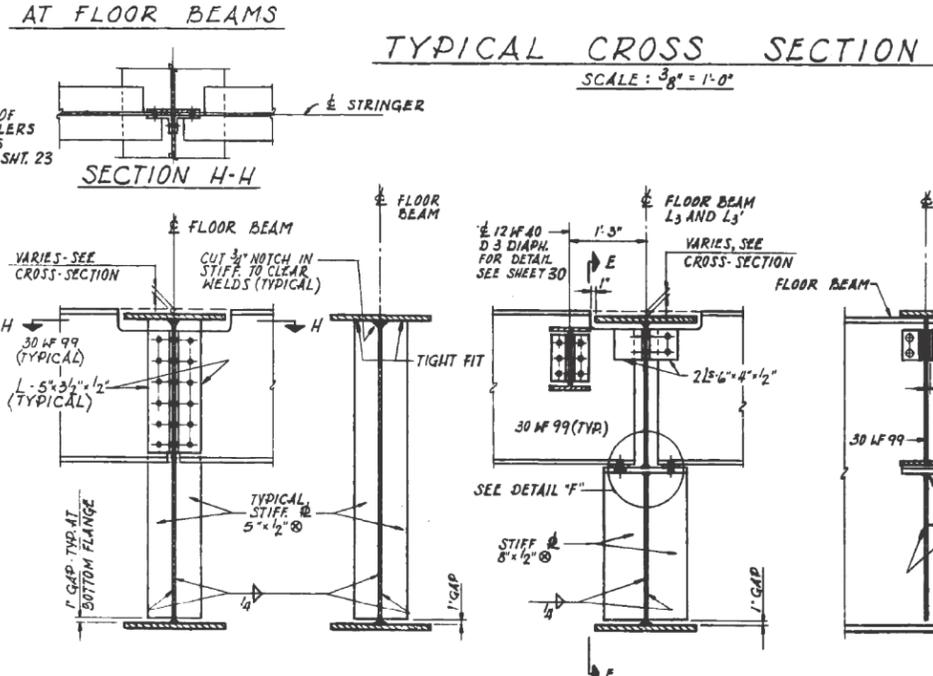


NOTES:
 FOR GENERAL NOTES SEE SHEET 19 FOR ADDITIONAL NOTES AND DETAILS SEE SHEET 31
 FOR SECTION A-A SEE SHEET 30
 ALL SHOP CONNECTIONS TO BE 3/8" RIVETS IN 1/2" HOLES, UNLESS OTHERWISE NOTED.
 ALL FIELD CONNECTIONS TO BE 3/8" HIGH STRENGTH BOLTS IN 3/8" HOLES, UNLESS OTHERWISE NOTED.
 ALL MATERIAL IN FLOOR BEAMS TO BE A-441.
 SEE NOTES SHEET 31
 DIAPHRAGMS TO BE A-36

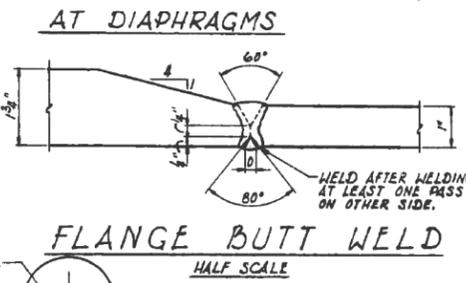
TYPICAL CROSS SECTION
 SCALE: 3/8" = 1'-0"



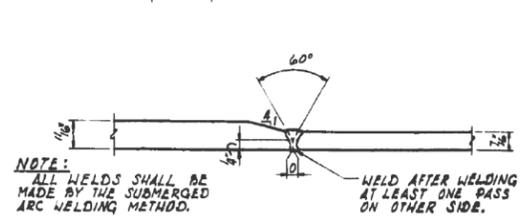
TYPICAL FLOOR BEAM AND SIDEWALK BRACKET CONNECTIONS
 SCALE: 3/4" = 1'-0"



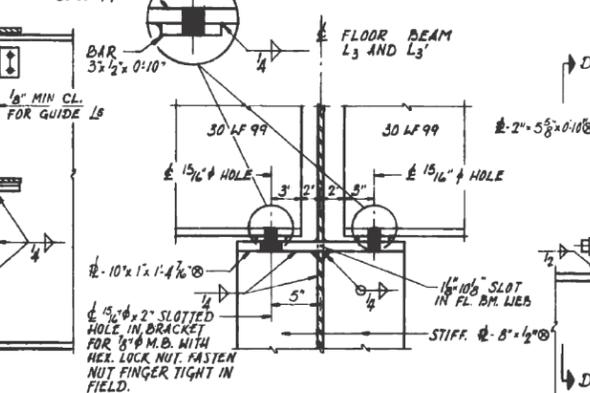
SECTION B-B STIFFENER DETAILS AND STRINGER CONNECTIONS
 SCALE: 3/4" = 1'-0"



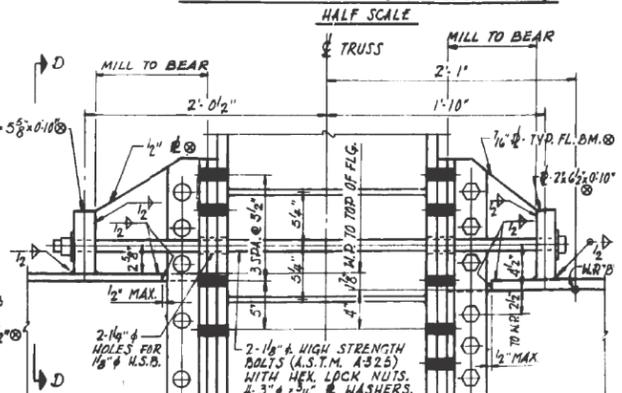
FLANGE BUTT WELD
 HALF SCALE



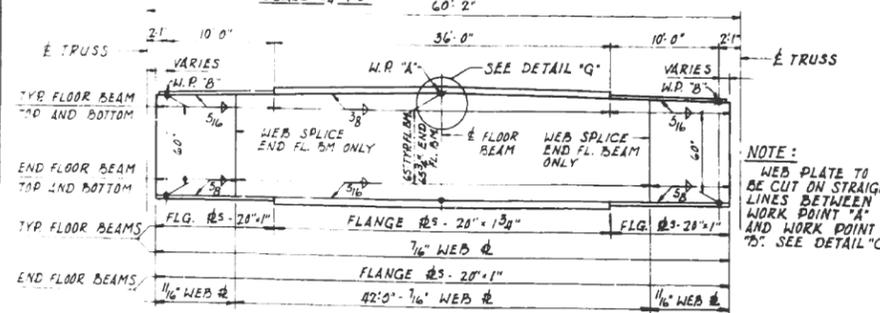
WEB BUTT WELD FOR END FLOOR BEAM ONLY
 HALF SCALE



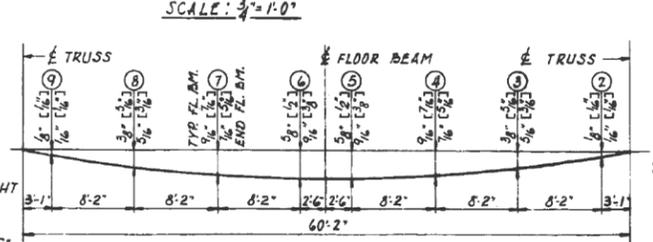
DETAIL "F"
 SCALE: 1 1/2" = 1'-0"



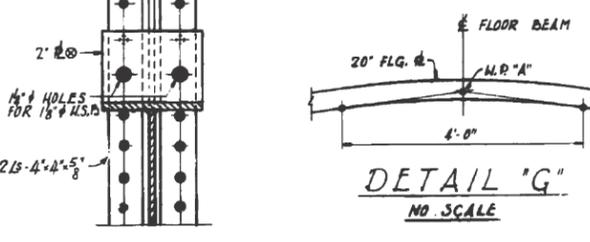
TYPICAL DETAIL OF TIE ROD
 SCALE: 1 1/2" = 1'-0"



FLOOR BEAM ELEVATION



DEAD LOAD DEFLECTION DIAGRAM FOR FLOOR BEAMS

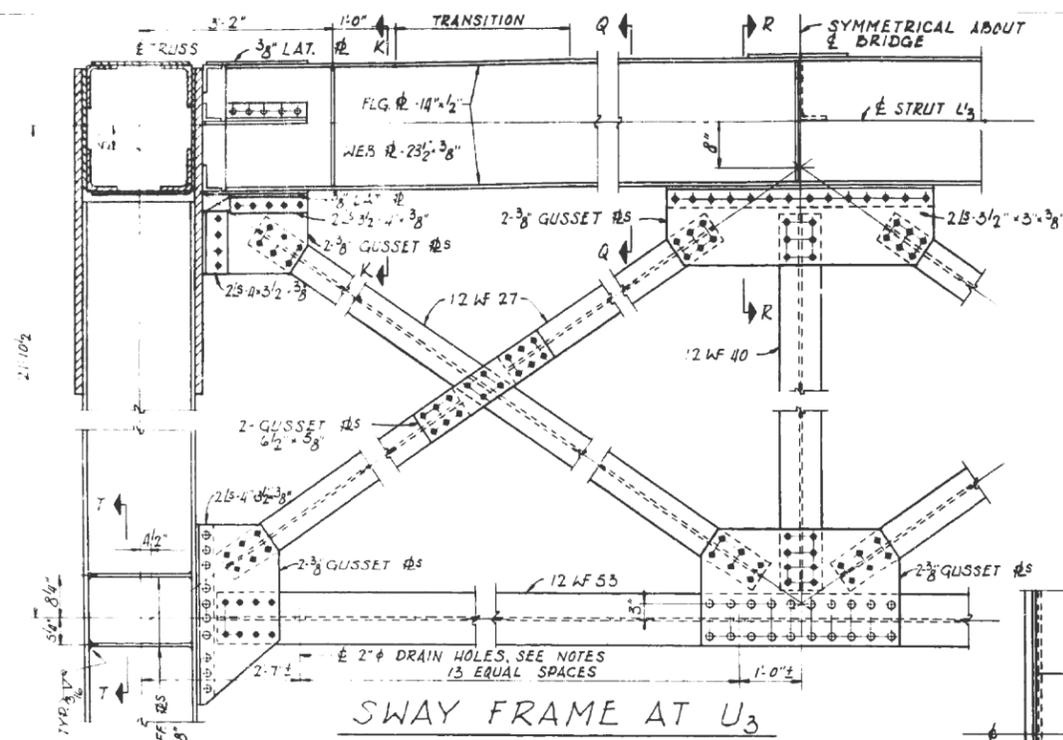


SECTION D-D

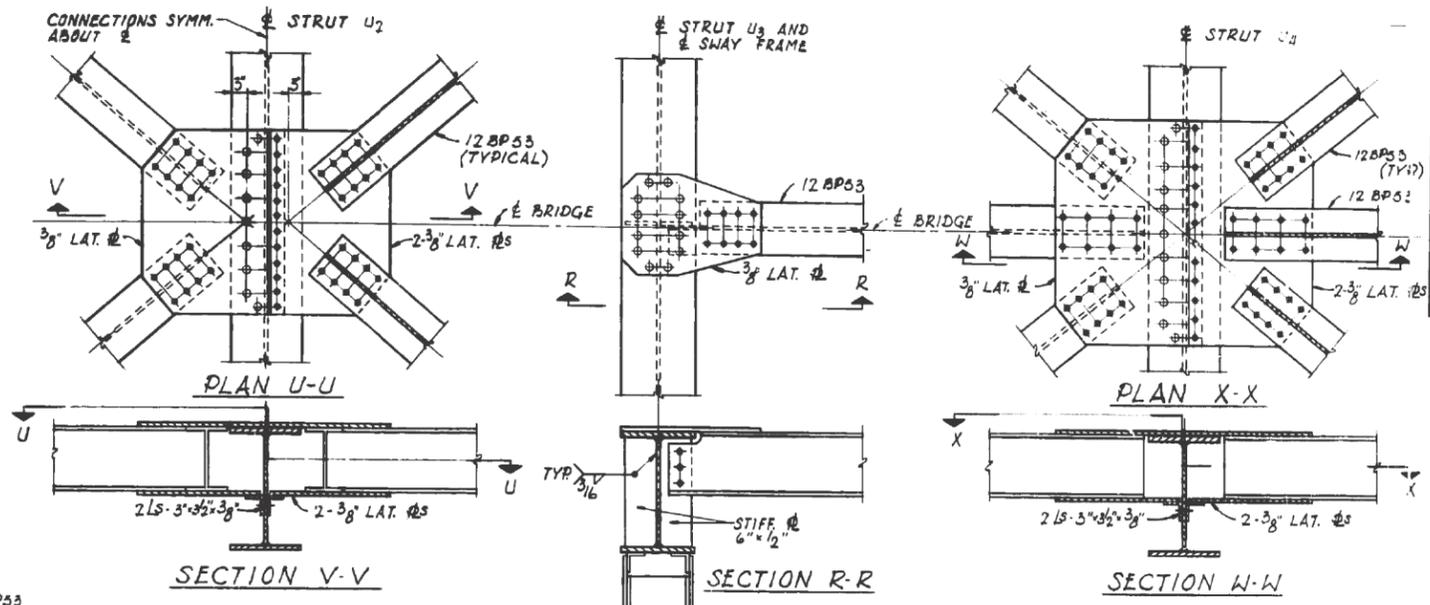
DETAIL "G"
 NO SCALE

FOR INFORMATION ONLY

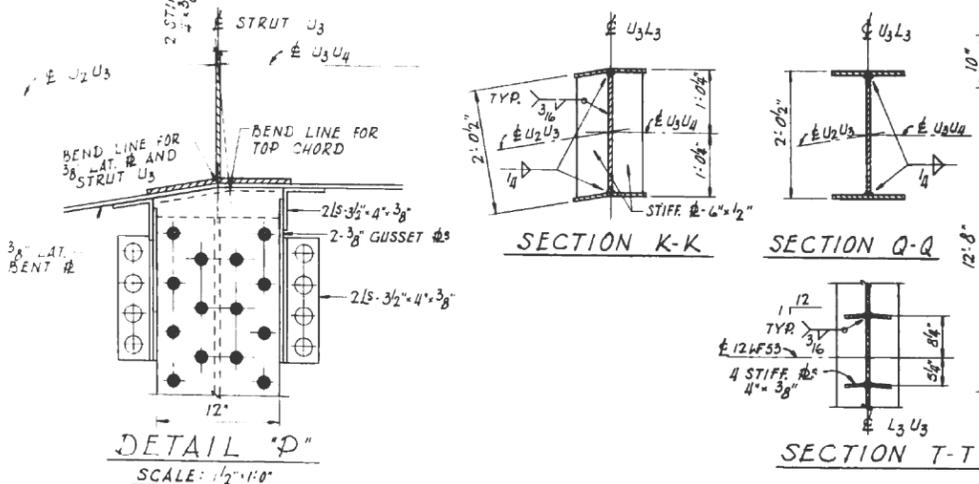
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PLOT SCALE = 100.0000" / in.	CHECKED -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 62M74	
PLOT DATE = 8/10/2020	DATE -	REVISED -								



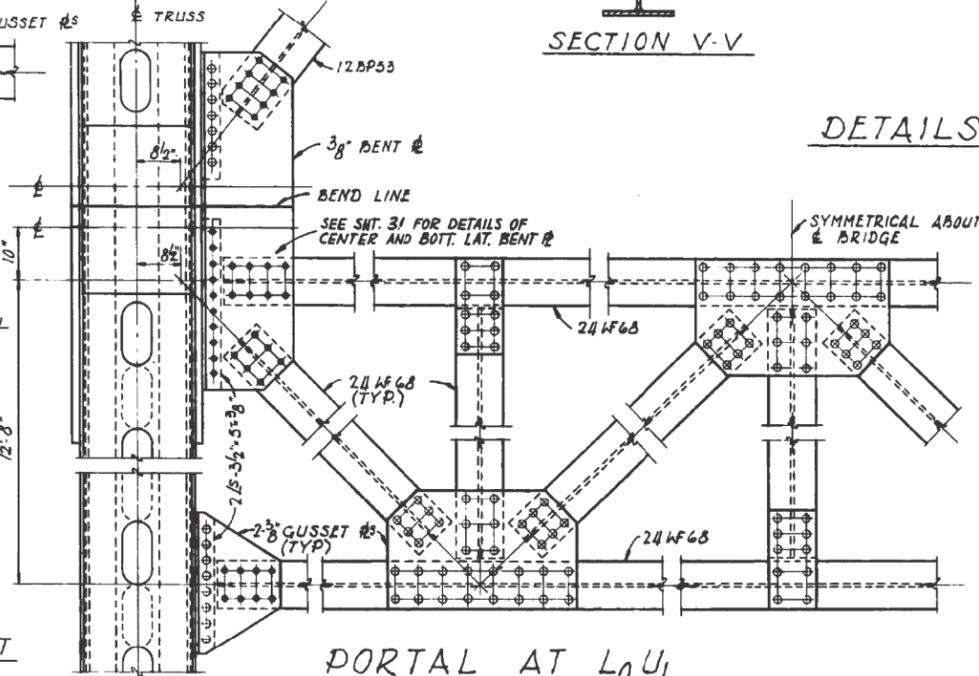
SWAY FRAME AT U₃



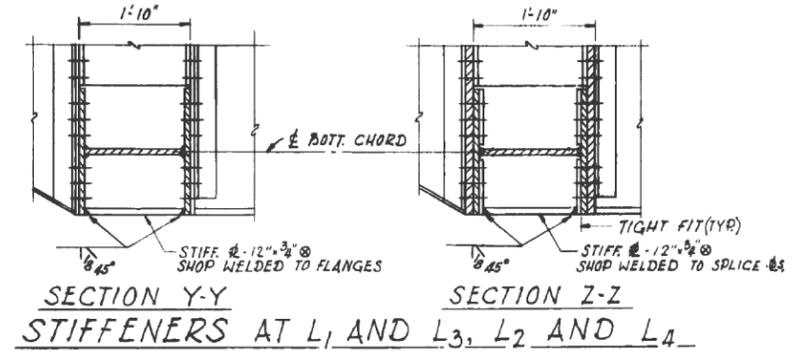
DETAILS OF TOP LATERALS



DETAIL 'D' SCALE: 1/2\"/>

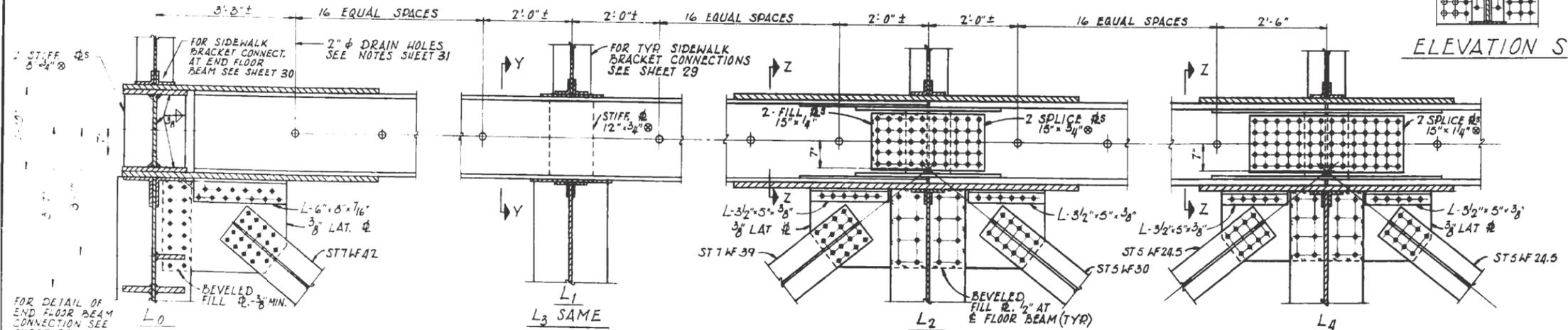


PORTAL AT L₀U₁



SECTION Y-Y SECTION Z-Z STIFFENERS AT L₁ AND L₃, L₂ AND L₄

NOTES:
FOR GENERAL NOTES SEE SHEET 19
FOR ADDITIONAL NOTES SEE SHEET 31
FOR LOCATION OF DETAIL 'D' AND ELEVATION S-S SEE SHEET 32



PLAN OF BOTTOM CHORD

FOR ELEVATIONS L₀ AND L₁ SEE SHEET 31 AND FOR L₂, L₃ AND L₄ SEE SHEET 32

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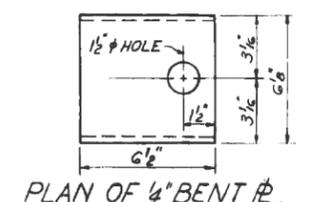
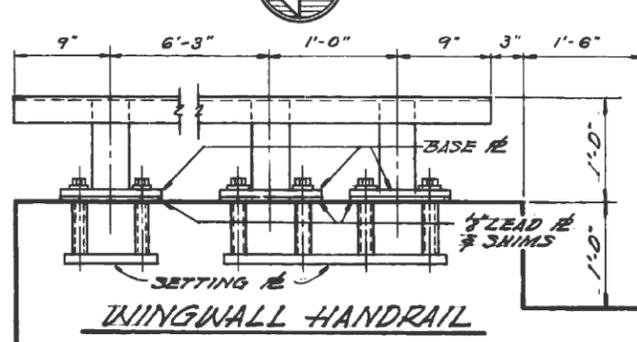
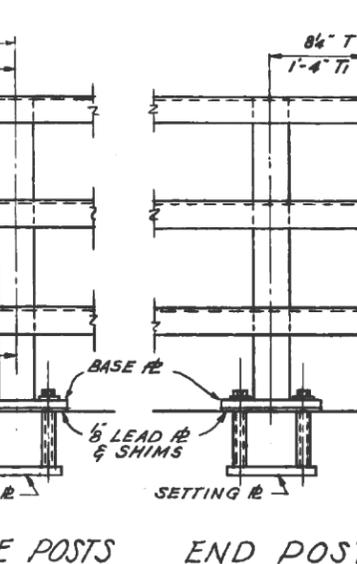
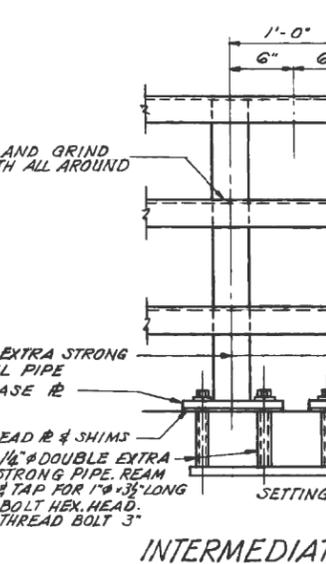
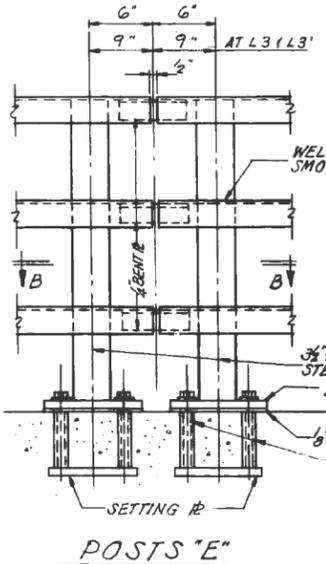
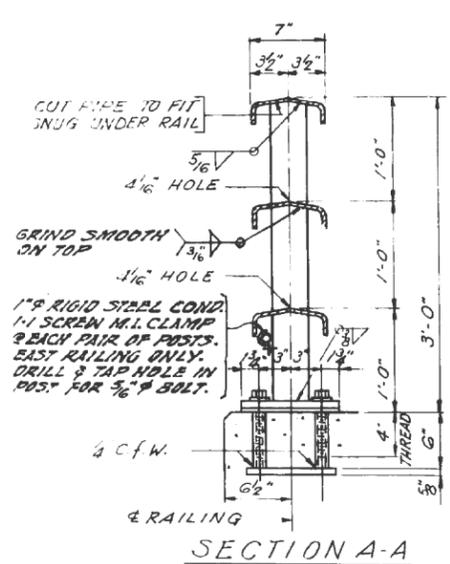
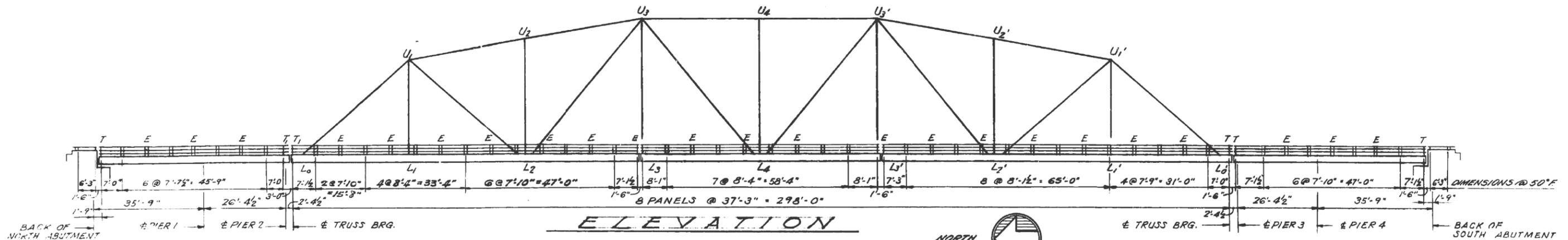
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PLOT DATE = 8/10/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

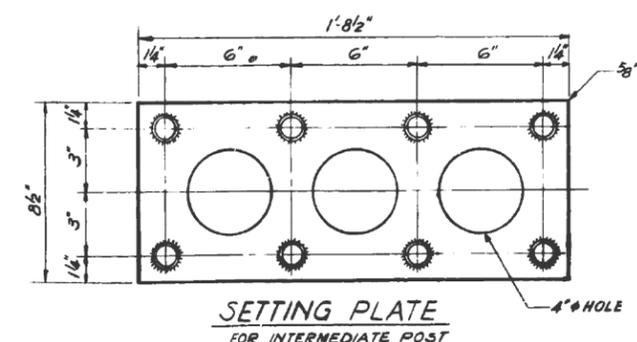
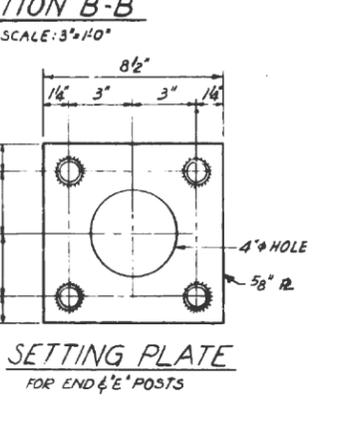
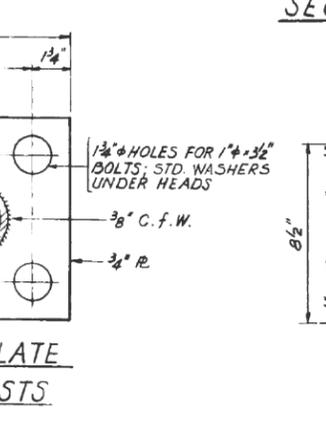
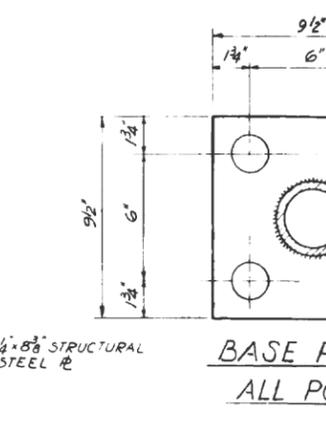
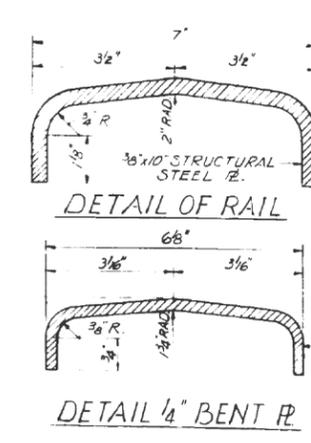
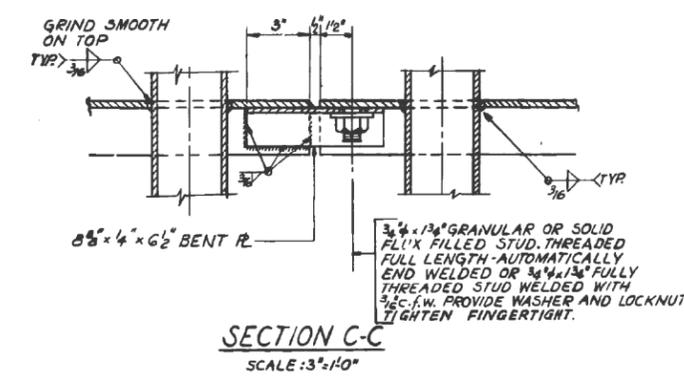
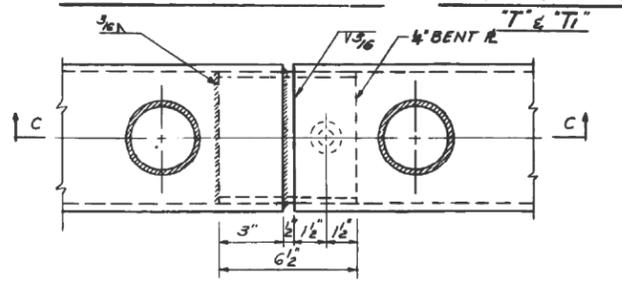
TRUSS DETAILS, SN 016-0323
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-202-BP	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 13
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M74	



NOTES:
 ALL DIMENSIONS ARE HORIZONTAL AND NOT TRUE DIMENSIONS ALONG RAILING. RAIL SHALL BE FABRICATED AND ERECTED TO CONFORM TO PROFILE GRADE OF ROADWAY. RAIL POSTS SHALL BE TRULY VERTICAL. WELDING OF RAIL POSTS TO HORIZONTAL MEMBERS AND BASE PLATES SHALL BE CONTINUOUS WELDS ALL AROUND. RAIL POSTS SHALL CONFORM TO THE STANDARD SPECIFICATION FOR WELDED AND SEAMLESS STEEL PIPE A.S.T.M. A 53 WITH MINIMUM YIELD POINT OF 30,000 P.S.I. HANDRAIL SHALL BE GIVEN ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. SEE SPECIFICATIONS. SHIM PLATES FOR RAIL POSTS: FURNISH SHIMS CONSISTING OF ONE 1/8 SHIM AND TWO 1/4 SHIMS AT 50% OF RAIL POSTS FOR VERTICAL ADJUSTMENT OF POSTS. SIZE OF SHIM PLATES, LEAD PLATES AND SPACING OF HOLES SHALL BE SAME AS FOR BASE PLATES OF POSTS. AFTER ERECTION ALL BOLTS AND WASHERS SHALL BE SPOT PAINTED WITH ONE COAT OF RED LEAD AND TWO COATS OF ALUMINUM PAINT.



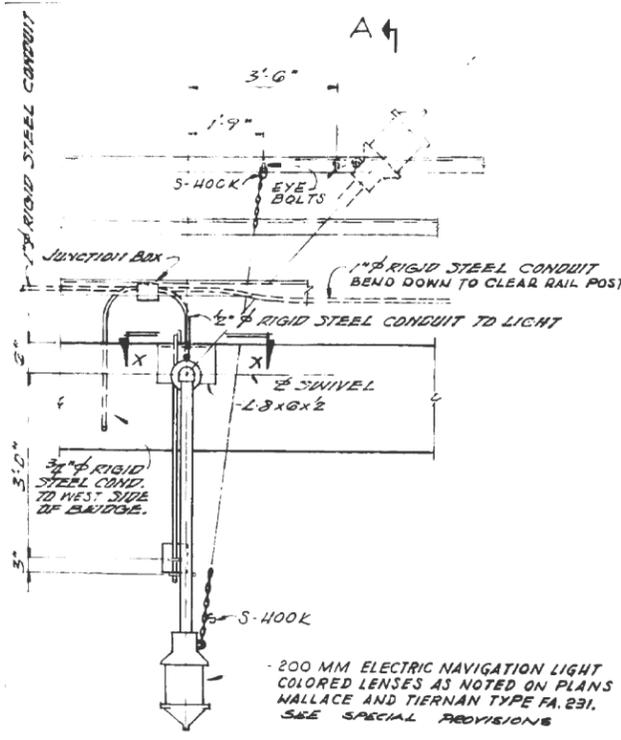
FOR INFORMATION ONLY

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PLOT DATE = 8/10/2020	DATE -	REVISED -

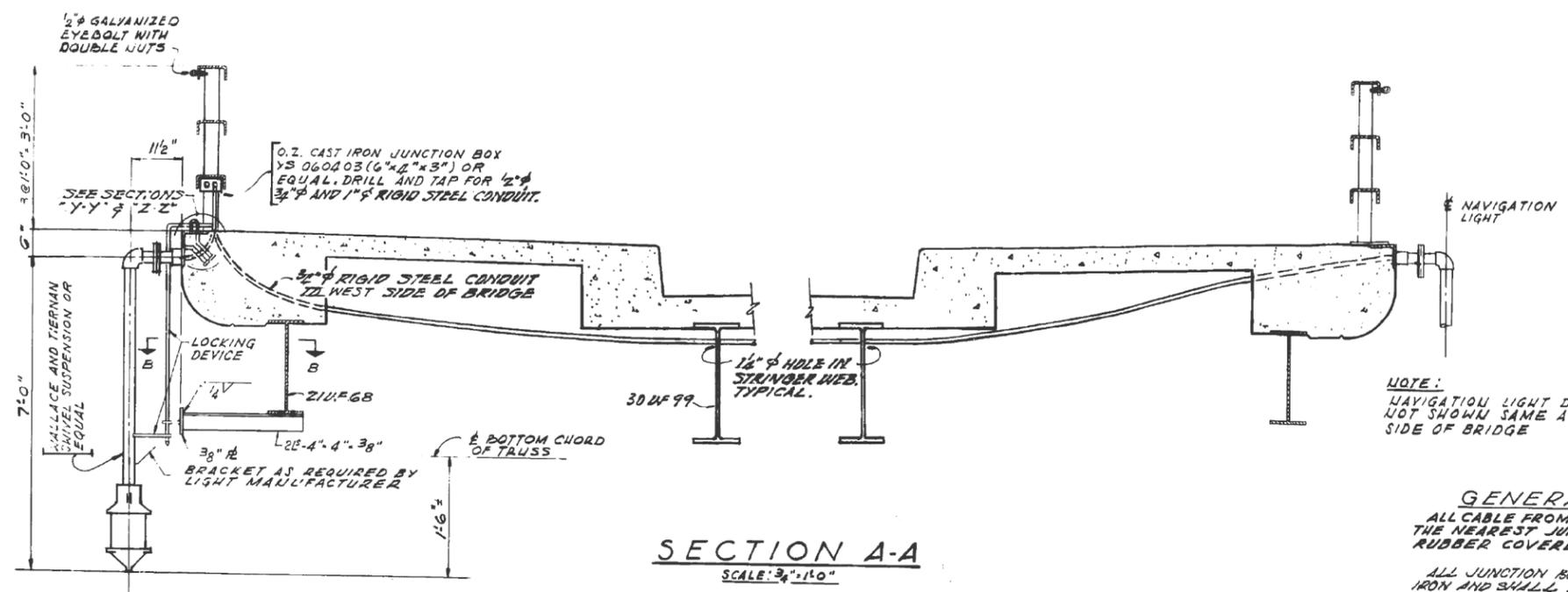
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

HANDRAIL DETAILS, SN 016-0323
 IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	16
			CONTRACT NO. 62M74	
SCALE:		ILLINOIS FED. AID PROJECT		



ELEVATION NAVIGATION LIGHTS
SCALE: 3/4" = 1'-0"



SECTION A-A
SCALE: 3/4" = 1'-0"

GENERAL NOTES
ALL CABLE FROM THE NAVIGATION LIGHTS TO THE NEAREST JUNCTION BOX SHALL BE RUBBER COVERED MARINE CABLE.

ALL JUNCTION BOXES SHALL BE CAST IRON AND SHALL BE OF Y3 060403 (6"x2"x3") OR EQUAL, DRILLED AND TAPPED FOR 1" 3/4" AND 1" RIGID STEEL CONDUIT. SEE PLAN SHEET 26

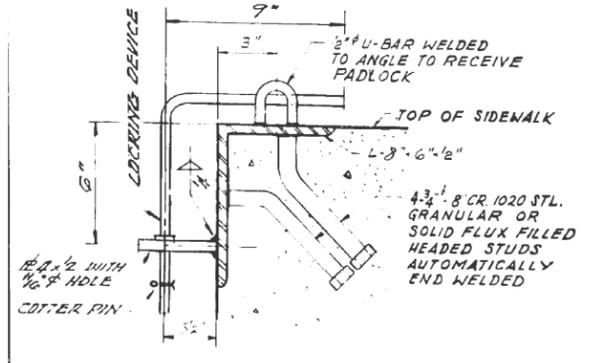
ANGLES AND PLATES USED IN NAVIGATION LIGHT ASSEMBLY SHALL BE A.S.T.M. A36 STEEL.

CONTROL CABINET SHALL BE CAST ALUMINUM, 16.25-G. CABINET SHALL BE COMPLETE WITH INTERIOR MOUNTING BUTTONS, DRILLED AND TAPPED CONDUIT ENTRANCES FOR 1" RIGID STEEL CONDUIT. HUB FOR PADLOCK AND HINGED COVER WITH 2" VENT WITH WEATHER-PROOF CAPPING. CABINET SHALL BE LOCATED ON THE EAST SIDE OF THE EAST COLUMN OF PIER 2 SEE SHEET 42

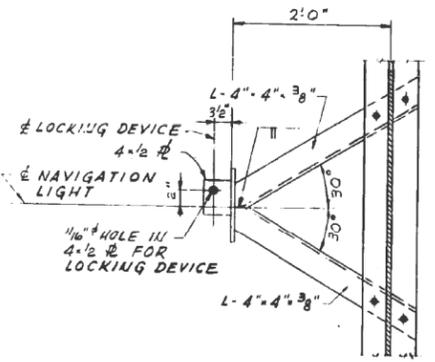
LOCKING DEVICE AND CHAINS WITH HOOKS SHALL BE FURNISHED WITH NAVIGATION LIGHTS.

FURNISHING AND INSTALLING OF ALL EQUIPMENT AND MATERIAL ON THIS SHEET, COMPLETE IN PLACE, IS INCLUDED IN THE ITEM "NAVIGATION LIGHTING SYSTEM COMPLETE."

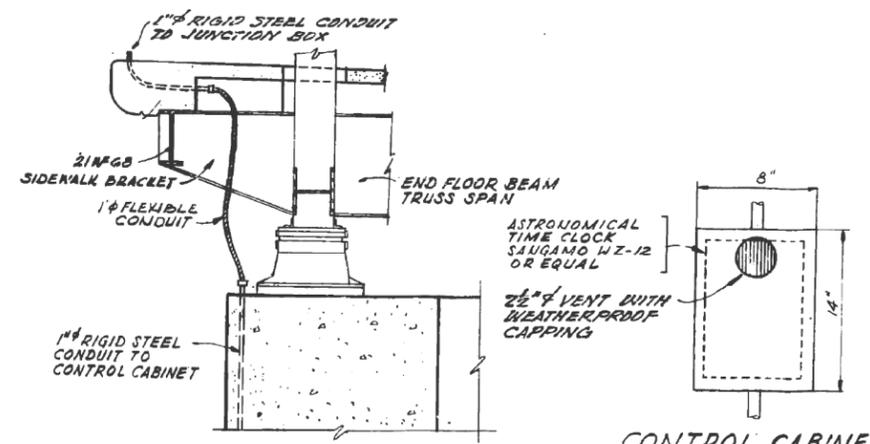
FOR OTHER REQUIREMENTS SEE SPECIAL PROVISIONS.



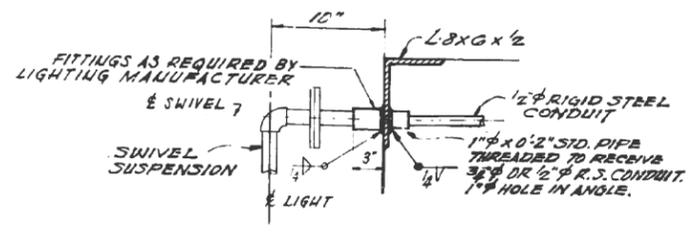
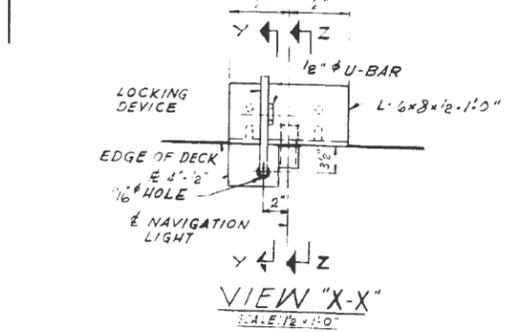
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SECTION "B-B"
SCALE: 1" = 1'-0"



SECTION C-C
SCALE: 3/4" = 1'-0"



SECTION "Z-Z"
SCALE: 1" = 1'-0"

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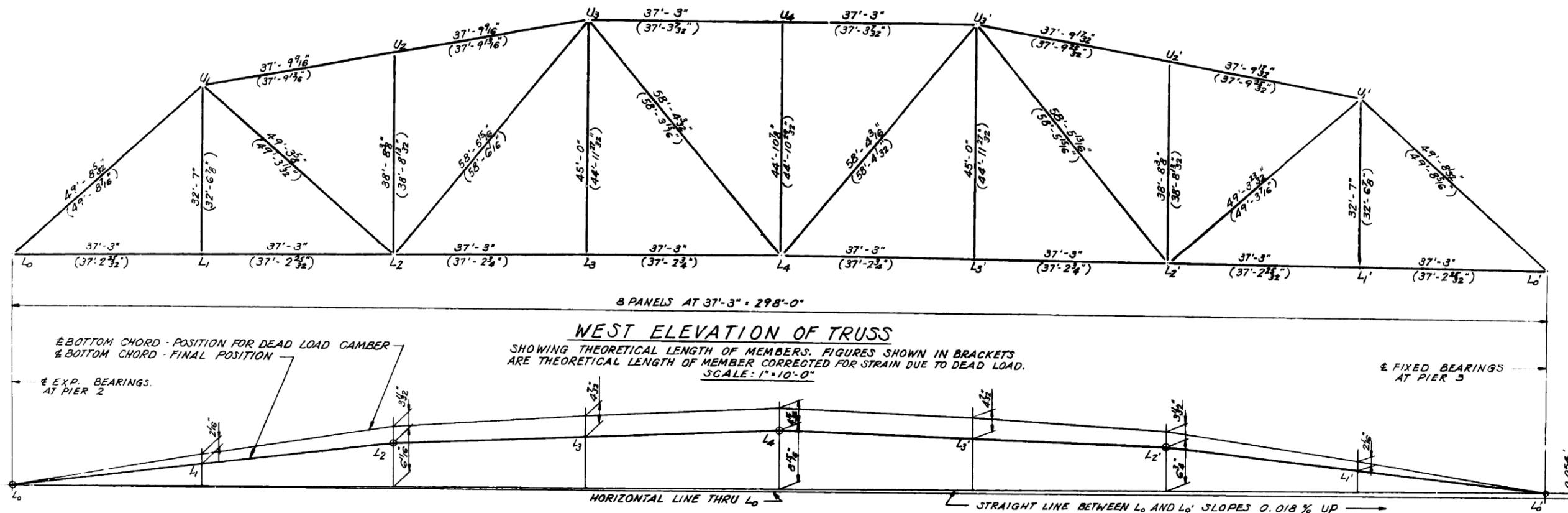
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	DRAWN -	REVISED -
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PLOT DATE = 8/10/2020	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

**NAVIGATION LIGHT DETAILS, SN 016-0323
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2020-202-BP	COUNTY COOK	TOTAL SHEETS 27	SHEET NO. 17
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62M74	



STRESS TABLE

CAMBER DIAGRAM
NO SCALE

ELEVATIONS

MEMBER	SECTION	LENGTH C.T.O.C. JOINT FEET	X-X Y	Y Y	L x 12 T MAX.	AREA SQ. IN.			STRESSES - KIPS				WIND STRESSES KIPS		± STRESSES - KIPS			UNIT STRESSES * KIPS PER SQ. IN.			ALLOWABLE UNIT STRESSES KIPS PER SQ. IN.			D.L. DEFORM. IN INCH D.L.	GRADE OF STEEL	MEMBER	
						GROSS	NET	EFF. GROSS	DEAD LOAD D	LIVE LOAD L	IMPACT I	SIDE WALK SW-LL	D+L+I + SWLL	D+W	GROUP A + B+W	A	B	C	A	B	C	A	B				C
L ₀ -U ₁ , U ₁ '-L ₀ '	2 RS 24x1/2 2 COV. RS 20x1/2 3/8 4 LS 8x6x3/4	49.679	9.08	9.45	65.7	91.14	-	86.64	-1263	-282	-33	-42	-16	-	-1620	-1279	-1625	20.00	22.02	21.83	19.60	24.50	-3/32"	A-440	L ₀ -U ₁ , U ₁ '-L ₀ '		
U ₁ -U ₃ , U ₃ '-U ₁ '	2 RS 24x1/2 2 COV. RS 20x1/2 3/8 4 LS 8x6x3/4	37.796	9.08	9.45	50.0	91.14	-	86.64	-1387	-289	-34	-46	-27	-	-1756	-1414	-1764	20.96	17.32	21.11	20.60	25.80	-1/2"	A-440	U ₁ -U ₃ , U ₃ '-U ₁ '		
U ₃ -U ₃ '	2 RS 24x1/2 2 COV. RS 20x1/2 3/8 4 LS 8x6x3/4	37.250	9.55	9.20	48.6	106.52	-	97.52	-1570	-327	-38	-53	-30	-	-1988	-1600	-1998	20.92	17.30	21.15	20.68	25.85	-7/16"	A-440	U ₃ -U ₃ '		
L ₀ -L ₂ , L ₂ '-L ₀ '	2 RS 24x1/2 1 R 20x1/2 WELDED	37.250	6.05	9.60	74.0	63.00	55.00	-	+947	+197	+23	+32	+89	+14	+1199	+1036	+1240	23.66	21.61	24.69	24.00	30.00	+7/16"	A-441	L ₀ -L ₂ , L ₂ '-L ₀ '		
L ₂ -L ₄ , L ₄ '-L ₂ '	2 RS 24x1/2 1 R 20x1/2 WELDED	37.250	6.01	9.30	74.4	95.75	83.75	-	+1469	+306	+36	+49	+119	+19	+1860	+1588	+1915	24.08	21.48	24.98	24.00	30.00	+1/2"	A-441	L ₂ -L ₄ , L ₄ '-L ₂ '		
U ₁ -L ₂ , U ₁ '-L ₂ '	2 RS 16x1/2 1 R 20x1/2 WELDED	49.310	3.61	9.11	164.0	39.38	33.38	-	+556	+143	+20	+21	-	-	+740	-	-	26.65	-	-	27.00	-	+9/32"	A-441	U ₁ -L ₂ , U ₁ '-L ₂ '		
L ₂ -U ₃ , L ₂ '-U ₃ '	2-15 CS 33.9 2 COV. RS 21x1/2	58.494	6.33	9.53	110.8	35.55	-	28.80	-161	-87	-14	-12	-	-	-274	-	-	11.07	-	-	12.15	-	-1/8"	A-36	L ₂ -U ₃ , L ₂ '-U ₃ '		
U ₁ -L ₄ , U ₁ '-L ₄ '	2 RS 16x1/2 1 R 20x1/2 WELDED	58.350	3.86	9.53	191.5	25.85	21.35	-	+158	+91	+16	+12	-	-	+277	-	-	17.67	-	-	20.00	-	+5/32"	A-36	U ₁ -L ₄ , U ₁ '-L ₄ '		
U ₁ -L ₁ , U ₁ '-L ₁ '	2 RS 12x3/4 1 R 20x1/2 WELDED	32.583	2.90	9.45	134.8	25.69	21.19	-	+226	+99	+30	+8	-	-	+363	-	-	17.15	-	-	20.00	-	+1/8"	A-36	U ₁ -L ₁ , U ₁ '-L ₁ '		
U ₂ -L ₂ , U ₂ '-L ₂ '	2 RS 12x3/4 1 R 21x1/2 WELDED	38.698	5.03	10.75	93.0	22.50	-	4.0	-22	-	-	-	-	-	-22	-	-	5.50	-	-	13.44	-	-1/32"	A-36	U ₂ -L ₂ , U ₂ '-L ₂ '		
U ₃ -L ₃ , U ₃ '-L ₃ '	2 RS 12x3/4 1 R 20x1/2 WELDED	45.000	2.90	9.45	186.3	25.69	21.19	-	+226	+99	+30	+8	-	-	+363	-	-	17.15	-	-	20.00	-	+5/32"	A-36	U ₃ -L ₃ , U ₃ '-L ₃ '		
U ₄ -L ₄	2 RS 12x3/4 1 R 21x1/2 WELDED	44.907	5.03	10.75	107.5	22.50	-	4.0	-22	-	-	-	-	-	-22	-	-	5.50	-	-	12.42	-	-1/32"	A-36	U ₄ -L ₄		

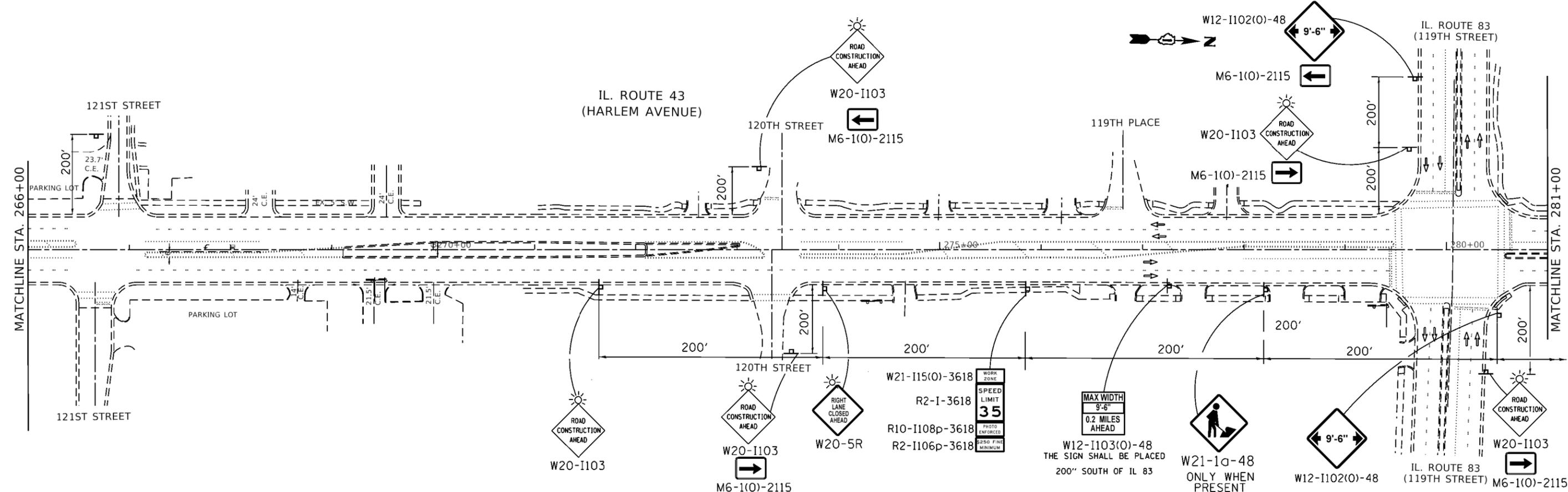
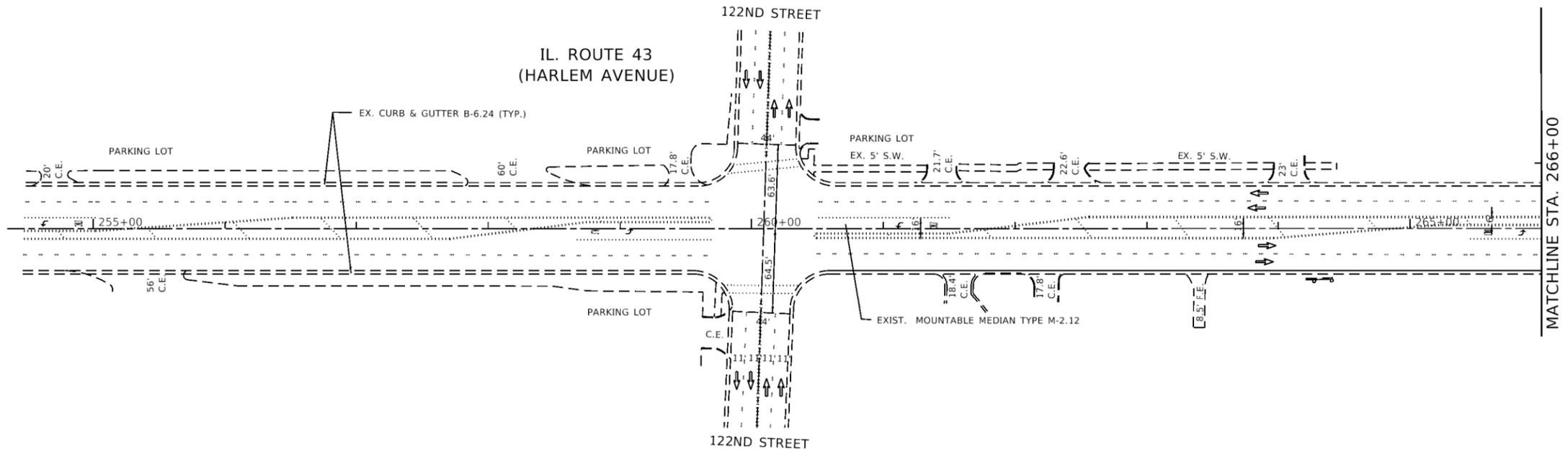
* INCLUDES BENDING STRESS DUE TO WEIGHT OF MEMBER AND WIND ON MEMBER.

PANEL POINT	PROFILE GRADE	W.P. "B"	± BOTTOM CHORD
L ₀	29.216	28.149	24.066
L ₁	29.548	28.435	24.352
L ₂	29.788	28.721	24.638
L ₃	29.934	28.820	24.737
L ₄	29.986	28.919	24.836
L ₃ '	29.952	28.835	24.752
L ₂ '	29.818	28.751	24.668
L ₁ '	29.591	28.477	24.394
L ₀ '	29.270	28.203	24.120

ELEVATIONS GIVEN ARE AFTER DEAD LOAD DEFLECTION.

NOTES:
 FOR GENERAL NOTES SEE SHEET 19
 FOR ADDITIONAL NOTES SEE SHEET 31

FOR INFORMATION ONLY



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PLOT DATE = 8/27/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN, STAGE 1 (SN 016-0323)
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL
 SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-20-BP	COOK	27	19
CONTRACT NO. 62M74				
ILLINOIS FED. AID PROJECT				

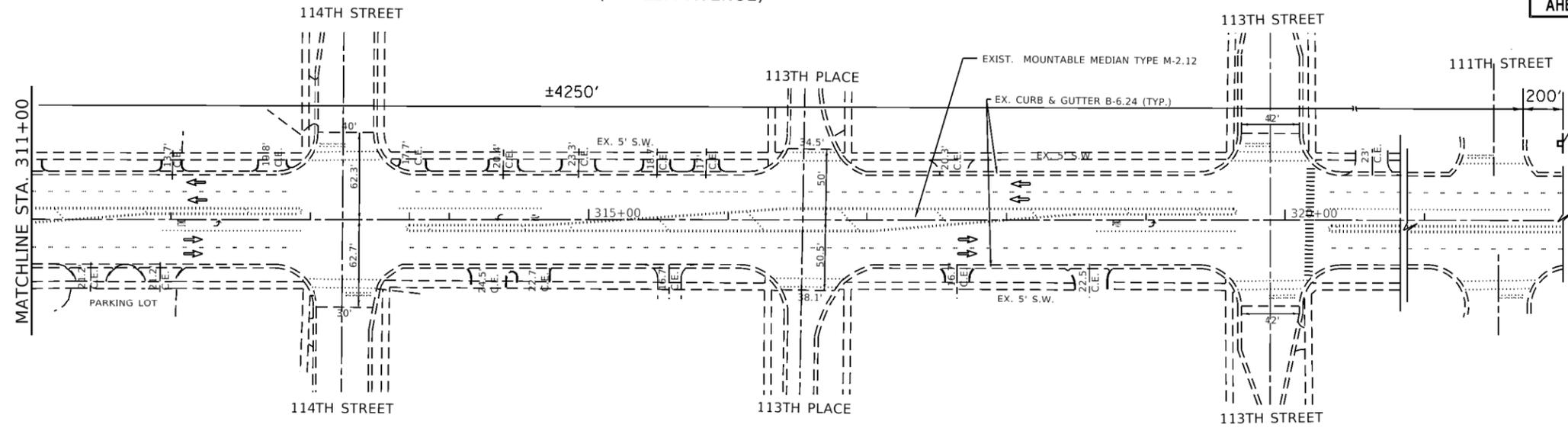


THE SIGN SHALL BE PLACED
200' NORTH OF 111th ST

MAX WIDTH
9'-6"
0.81 MILES
AHEAD

W12-1103(O)-48

IL. ROUTE 43
(HARLEM AVENUE)



NOTES

- EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED
- CONTINUOUS TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN 14 DAYS.
- THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS
- BARRICADE SPACING SHALL BE 20 FT IN TAPERS AND 25 FT ON TANGENTS.

SYMBOLS

-  WORK AREA
-  TEMPORARY IMPACT ATTENUATOR TEST LEVEL II
-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TYPE III BARRICADE WITH FLASHING LIGHT
-  DRUMS WITH STEADY BURNING BI-DIRECTIONAL LIGHT
-  DIRECTION OF TRAFFIC
-  FLASHING ARROW BORD

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	DRAWN -	REVISED -
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PLOT DATE = 8/27/2020	DATE -	REVISED -

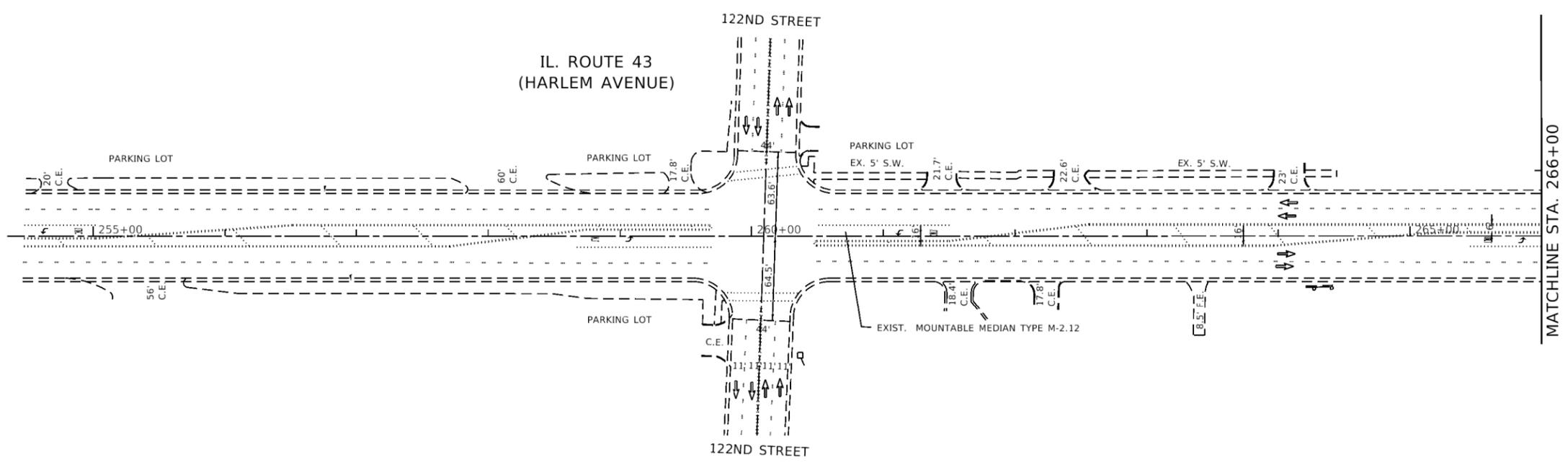
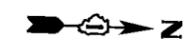
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN, STAGE 1 (SN 016-0323)
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL**

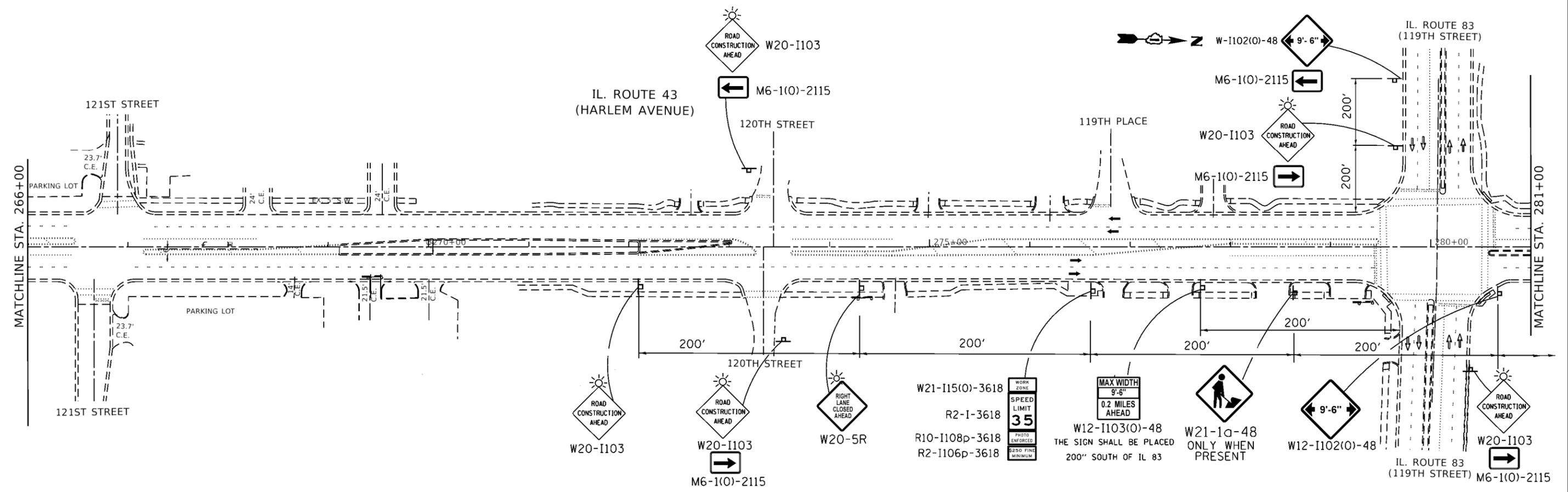
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-20-BP	COOK	27	21
CONTRACT NO. 62M74			ILLINOIS FED. AID PROJECT	

ROAD WORK AHEAD



MATCHLINE STA. 266+00



MATCHLINE STA. 281+00

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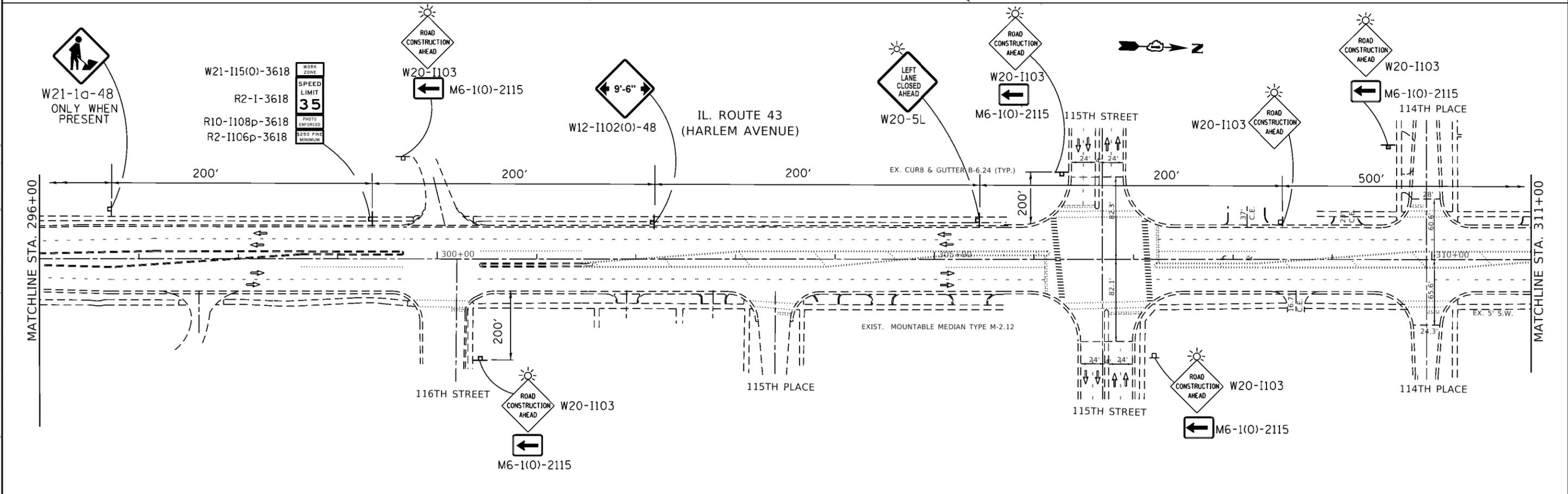
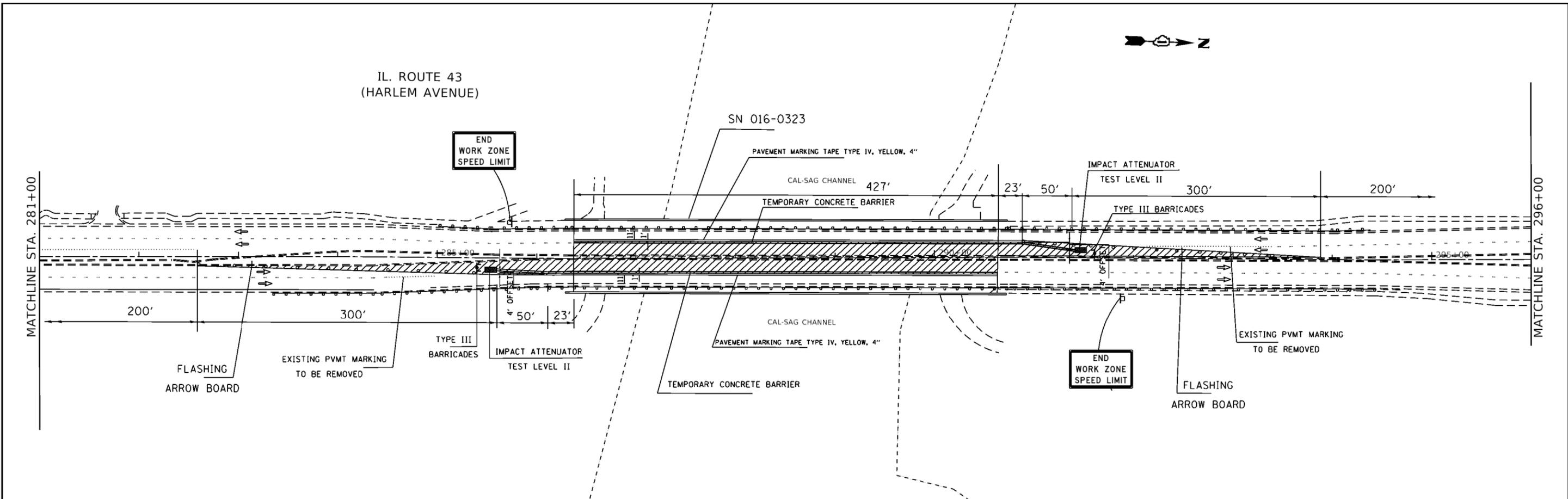
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PLOT DATE = 8/27/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL PLAN, STAGE 2 (SN 016-0323)
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-20-BP	COOK	27	22
CONTRACT NO. 62M74				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.



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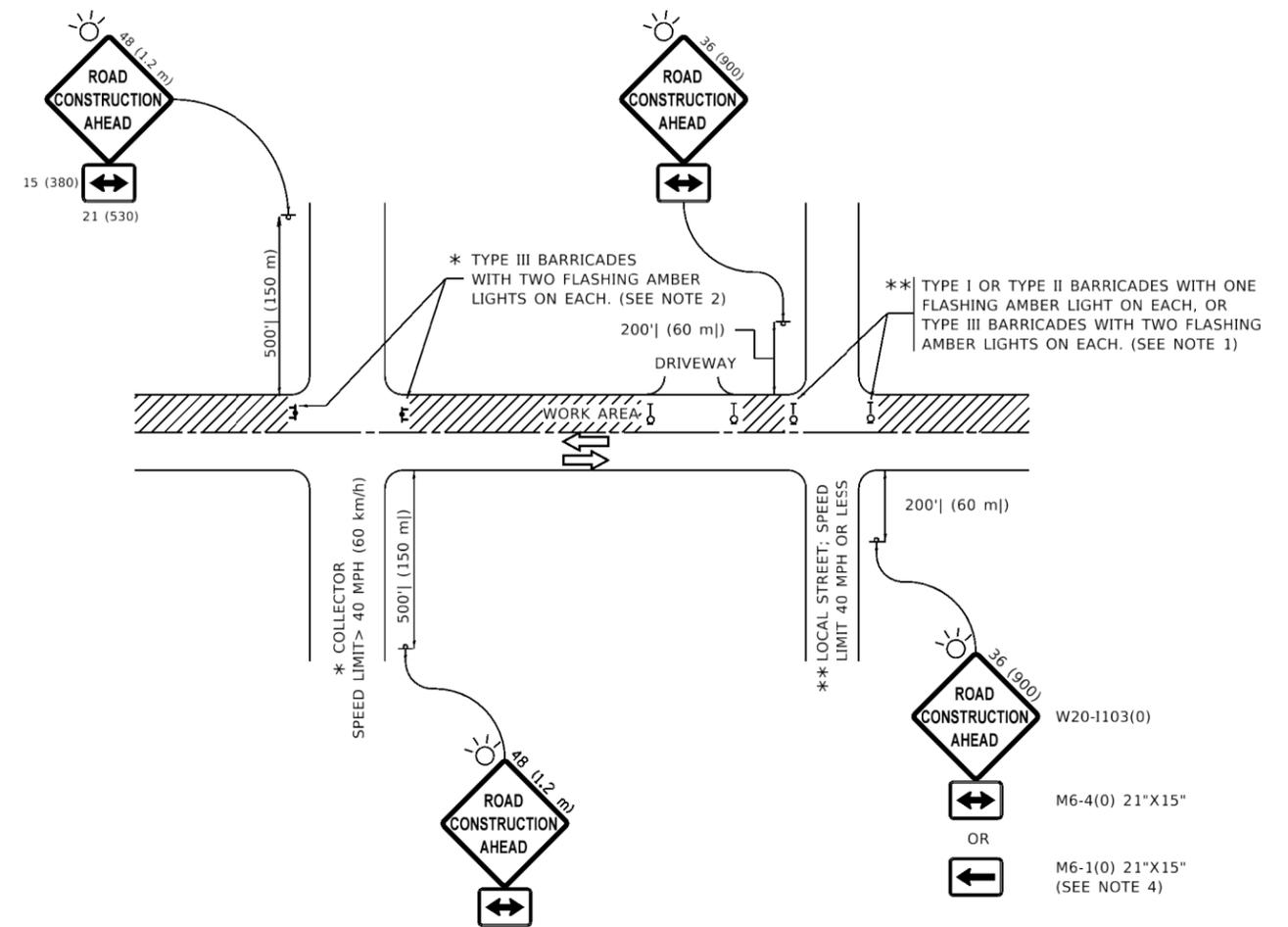
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN, STAGE 2 (SN 016-0323)
IL 43 (HARLEM AVE) OVER CALUMET SAG CHANNEL

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-20-BP	COOK	27	23
CONTRACT NO. 62M74				
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

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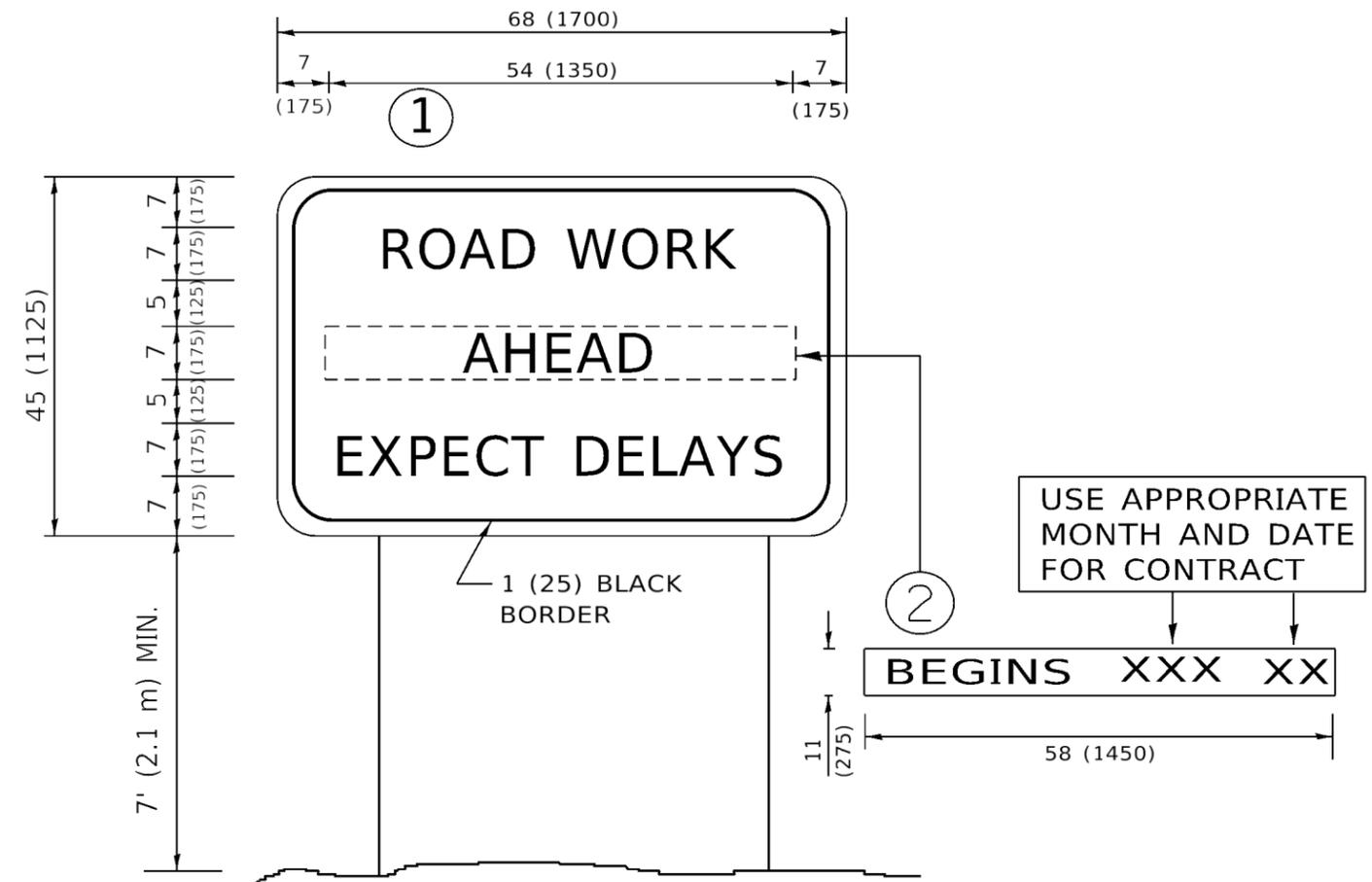
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	DRAWN -	REVISED - T. RAMMACHER 01-06-00
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PLOT DATE = 8/10/2020	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	26
TC-10			CONTRACT NO. 62M74	
ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 8/10/2020	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2020-202-BP	COOK	27	27
TC-22			CONTRACT NO. 62M74	
ILLINOIS FED. AID PROJECT				