

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	22	1
		ILLINOIS	CONTRACT NO. 62X20	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGE OF MOKENA, AND THE CITY OF CHICAGO.

TRAFFIC DATA

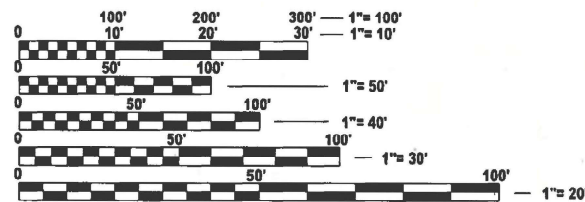
LOCATION #1:
I-90/94 (DAN RYAN) OVER ARCHER AVENUE & IC RR (SN: 016-1062)
ADT: 34,900 (2023)
SPEED LIMIT: 45 MPH

LOCATION #2:
I-80 AT MAPLE RD (SN: 099-0198)
ADT: 68,800 (2023)
SPEED LIMIT: 65 MPH

1) FAI ROUTE 94: I-94 SB TO I-55 WB
OVER ARCHER AVENUE/BNSF & IC RR
SECTION (1717.6-1P) BP 24
PROJECT NHPP-BLWB(517)
BRIDGE PAINTING
COOK & WILL COUNTIES

2) FAI ROUTE 80: I-80
AT MAPLE ROAD

C-91-005-25



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 EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62X20

FOR PROJECT LOCATION MAPS
SEE SHEET 3

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 23rd 2025
James J. ...
REGIONAL ENGINEER

March 21, 2025
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 21, 2025
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHT NO. DESCRIPTION

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	LOCATION MAPS
4	SUMMARY OF QUANTITIES
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21	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULT-LANE WEAVE (TC-09)
22	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)

STATE STANDARDS

STANDARD NO. DESCRIPTION

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701446-11	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701901-10	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGE OF MOKENA, AND CITY OF CHICAGO.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR CARLOS MUNOZ AT CARLOS.MUNOZ@ILLINOIS.GOV OR (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT AND MAINTAIN THE EXISTING BRIDGE LIGHTING AT ANY LOCATIONS THAT LIGHTING IS ENCOUNTERED ADJACENT TO AN AREA TO BE CLEANED AND PAINTED.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS.
9. THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS WHEN WORKING NEAR THE ABUTMENTS IF ELECTRICAL JUNCTION BOXES AND ATTACHED CONDUITS ARE PRESENT.
10. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

GENERAL PAINT NOTES

1. CLEANING AND PAINTING OF THE EXISTING STRUCTURAL STEEL SHALL BE AS SPECIFIED IN THE SPECIAL PROVISION FOR "CLEANING AND PAINTING EXISTING STEEL STRUCTURES".
2. ALL ITEMS (SUCH AS, BUT NOT LIMITED TO: CONDUITS, BRACKETS, AND DECK DRAINS) ATTACHED TO THE OUTSIDE OF THE FASCIA BEAMS SHOULD BE CLEANED AND PAINTED.
3. FOR LOCATION 1 (SN 016-1062): ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL WITHIN THE AREA IN THE PLANS DESIGNATED SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP-10.
4. FOR LOCATION 2 (099-0198): ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP-10.
5. THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-OZE/U. THE COLOR OF THE FINAL FINISH COAT FOR ALL INTERIOR STEEL SURFACES SHALL BE GRAY, MUNSELL NO 5B 7/1. THE COLOR OF THE FINAL FINISH COAT FOR THE EXTERIOR AND BOTTOM FLANGE OF THE FASCIA BEAMS SHALL BE REDDISH BROWN, MUNSELL NO 2. 5YR 3/4.
6. A MINIMUM OF 2 AIR MONITORS AT EVERY LOCATION WILL BE REQUIRED TO MONITOR ABRASIVE BLASTING OPERATIONS. SEE SPECIAL PROVISIONS FOR "CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUE".
7. SSPC QP1 AND SSPC QP2 CERTIFICATION IS REQUIRED FOR THIS CONTRACT.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
VARIOUS BRIDGE PAINTINGS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	22	2
		CONTRACT NO. 62X20		
		ILLINOIS	FED. AID PROJECT	

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

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LOCATION #1



LOCATION #2

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 11/20/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS

VARIOUS BRIDGE PAINTING

SCALE:	SHEET 2	OF 2	SHEETS	STA.	TO STA.
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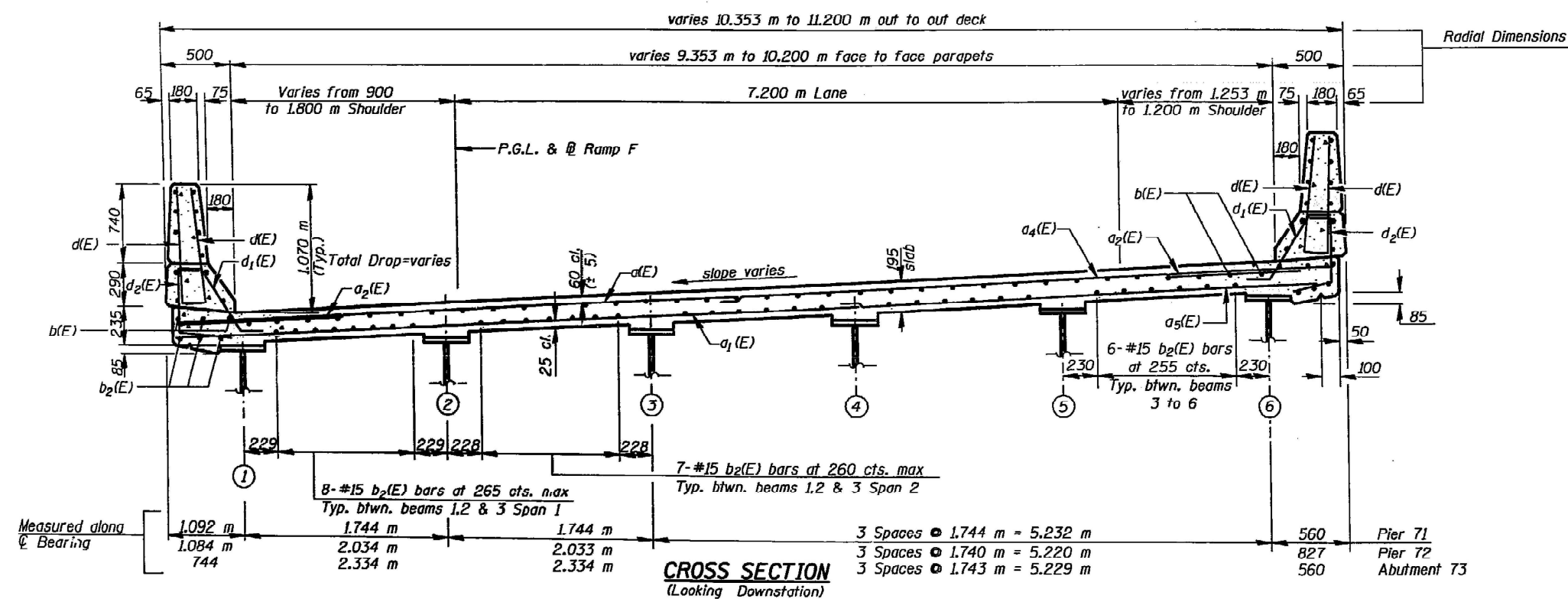
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VAR	(1717.6-1P) BP 24	COOK	21	3
		CONTRACT NO. 62X20		
ILLINOIS		FED. AID PROJECT		

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F.A.P RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24		COOK	20	6
			CONTRACT NO. 62X20		
		ILLINOIS	FED. AID PROJECT		

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FOR INFORMATION ONLY

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
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PLOT DATE = 12/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

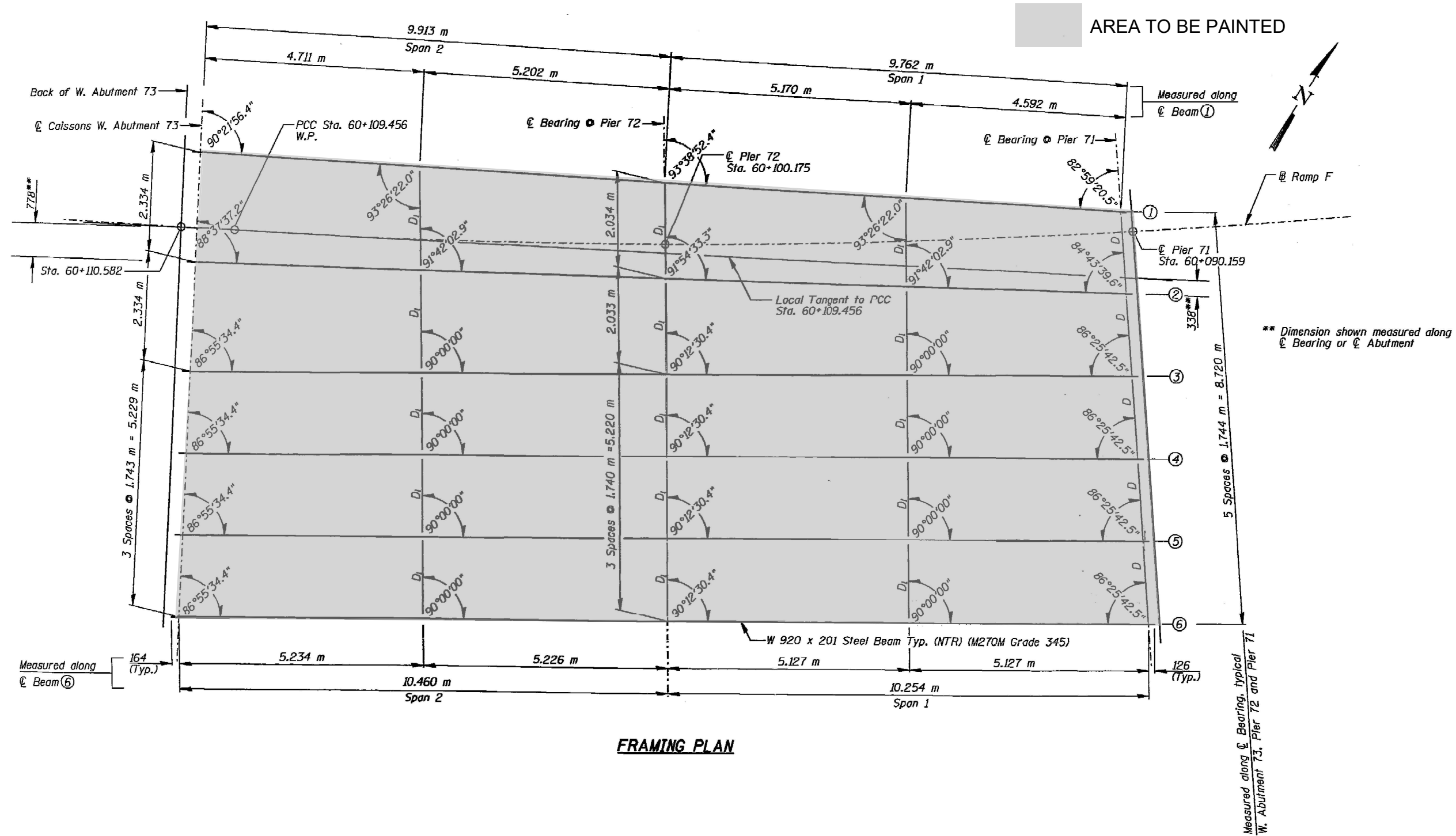
LOCATION 1: EXISTING BRIDGE PLANS
I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR

SCALE:	SHEET 3	OF 11	SHEETS	STA. 0+00.00	TO STA. 0+00.00
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	7
		CONTRACT NO. 62X20		
		ILLINOIS FED. AID PROJECT		



Location	Girder	Type A	b	Type C	d
Span 8	GF18	Fix.	67'5 $\frac{1}{2}$ "	Exp.	68'4 $\frac{1}{2}$ "
Span 9	GF19	Exp.	67'6"	Fix.	68'5"
Span 10	GF20	Fix.	67'4 $\frac{3}{4}$ "	Exp.	68'3 $\frac{3}{4}$ "



FRAMING PLAN

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	DRAWN -	REVISED -
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PLOT DATE = 12/5/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

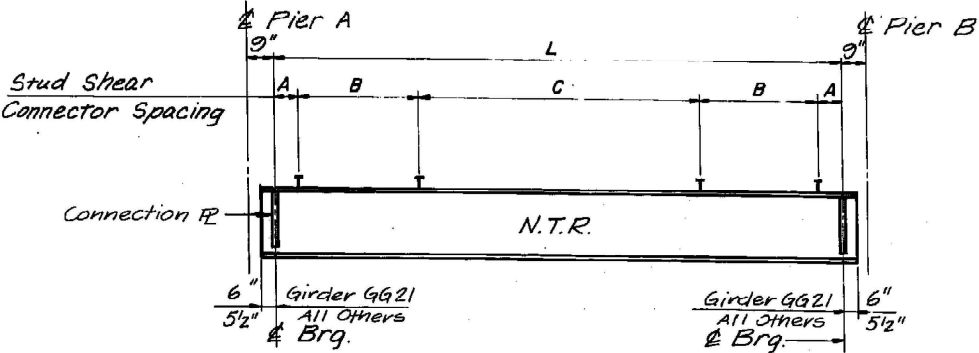
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I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR**

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	9
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY

WIDE FLANGE BEAMS GF10 THRU GF20 & GG21											
SPAN	BEAM	BEAM SIZE	L (¢ BRG. TO ¢ BRG.)	TOP OF BEAM ELEV. AT ¢ BEARINGS				STUDS PER ROW	STUD SHEAR CONNECTOR SPACING		
				PIER A	ELEV. A	PIER B	ELEV. B		A	B	C
F3	GF10	W36x150	61'-8 1/2"	F1	63.254	64	60.761	4	6"	15@10"	24@18"±
F3	GF11	W36x150	59'-1 1/4"	F1	62.871	64	60.591	4	6"	15@10"	23@18"±
F4	GF12	W36x135	63'-6 3/8"	64	60.521	65	57.308	4	6"	14@12"	26@16"±
F4	GF13	W36x134	66'-1 1/8"	64	62.162	65	58.937	4	6"	20@10"	33@12"±
F5	GF14	W36x182	63'-10 5/16"	65	57.225	66	53.439	4	6"	12@10"	43@12"±
F5	GF15	W36x150	67'-3 1/8"	65	58.855	66	55.086	4	6"	11@15"	26@18"±
F6	GF16	W36x170	67'-3 1/4"	66	55.000	67	51.206	4	6"	—	57@14"±
F7	GF17	W36x170	67'-4 13/16"	67	51.114	68	47.259	4	6"	—	57@14"±
F8	GF18	W36x170	67'-5 1/2"	68	47.175	69	43.318	4	6"	—	57@14"±
F9	GF19	W36x170	67'-6"	69	43.235	70	39.384	4	6"	—	57@14"±
F10	GF20	W36x170	67'-4 9/16"	70	39.292	71	35.945	4	6"	—	57@14"±
G1	GG21	W36x300	88'-5 15/16"	F1	65.659	74	64.906	5	9"	—	58@18"±

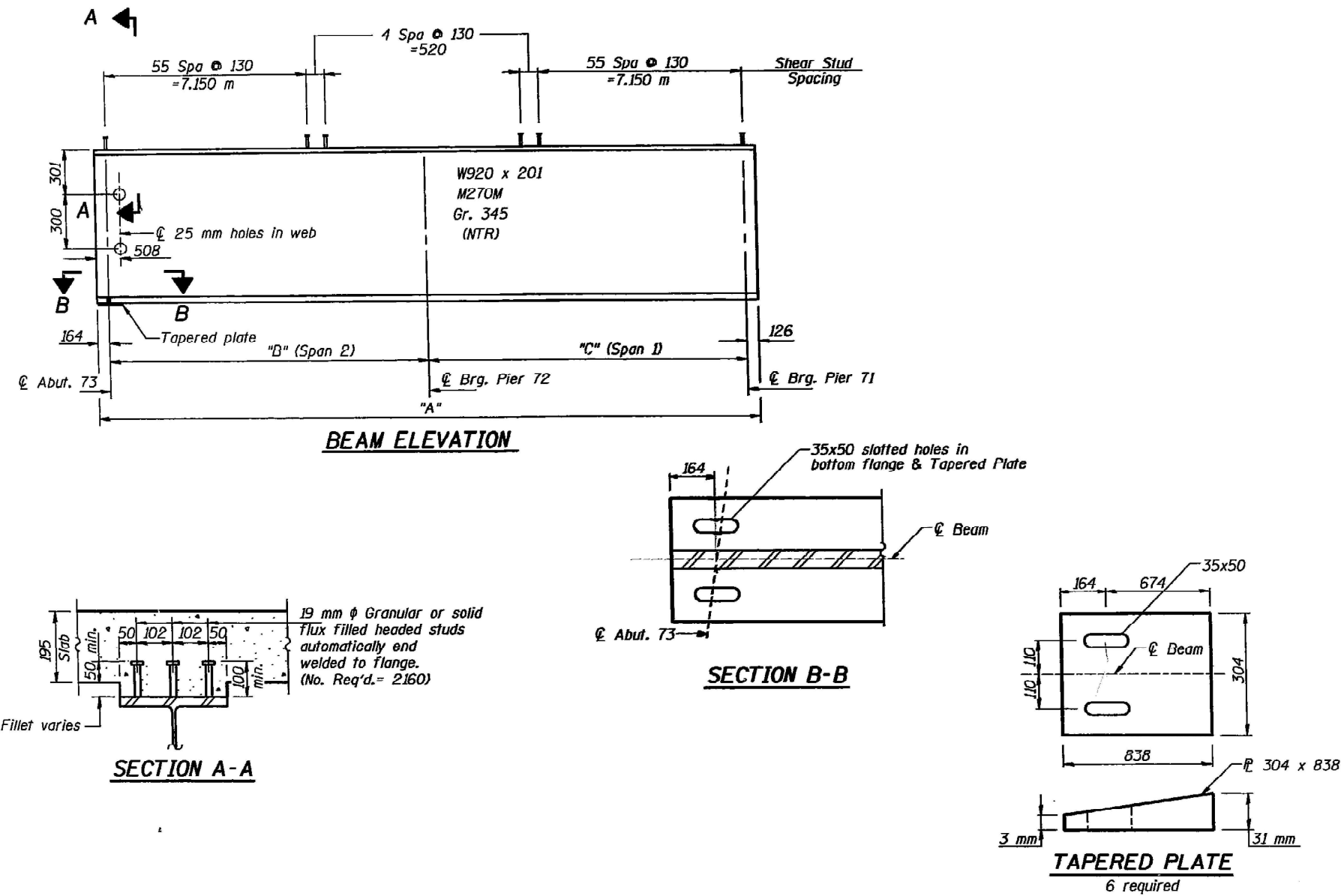


WIDE FLANGE BEAM ELEVATION

Girders GF10 thru GF20 and GG21
(See Table this Sheet for Dimensions)

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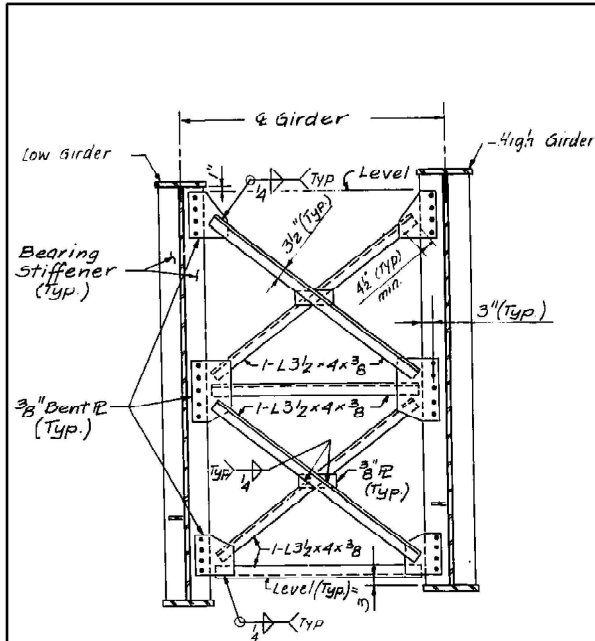
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		DRAWN -	REVISED -		VAR	(1717.6-1P) BP 24	COOK	20	10					
		CHECKED -	REVISED -											
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											ILLINOIS FED. AID PROJECT			



FOR INFORMATION ONLY

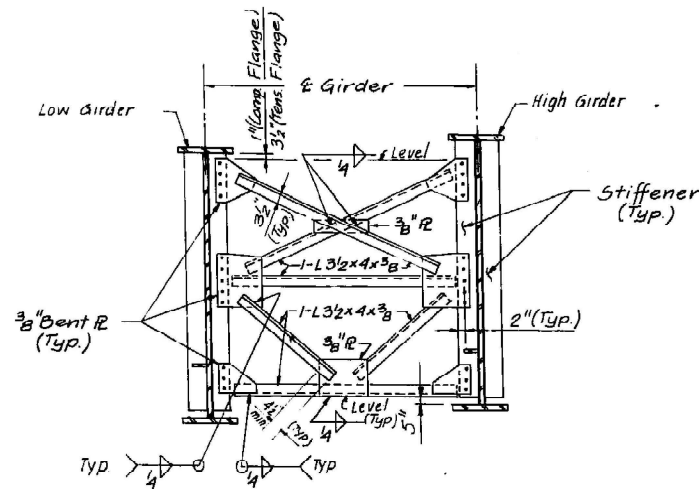
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		CHECKED -	REVISED -						CONTRACT NO. 62X20				
	PLOT DATE = 12/5/2024	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



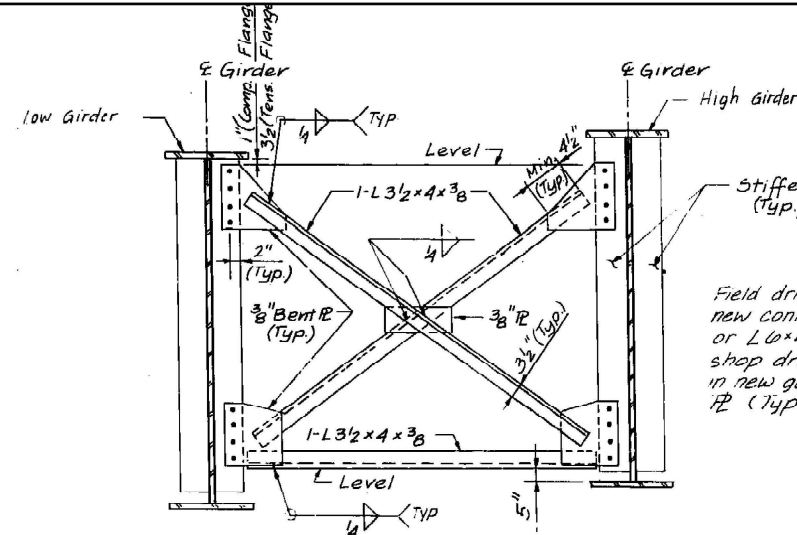
CROSS FRAME - F1

CROSS FRAME - F11
See note 3



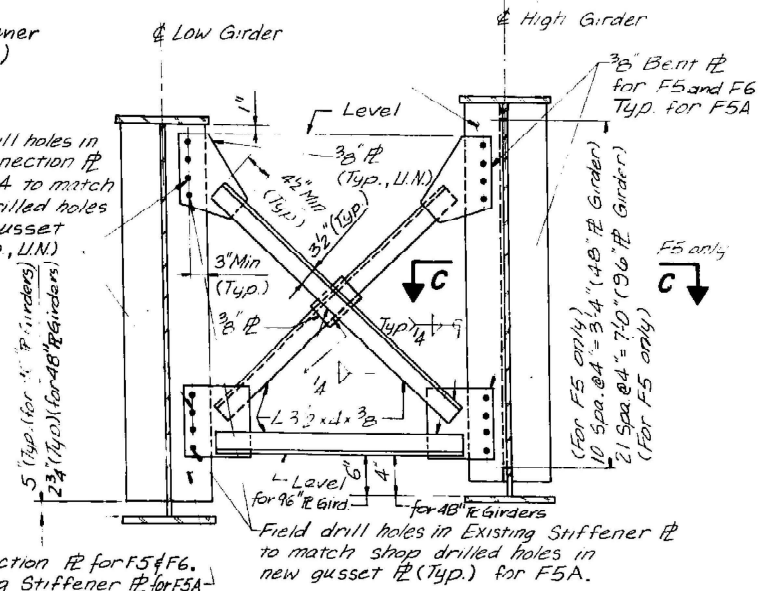
CROSS FRAME - F2

CROSS FRAME - F12
See note 3

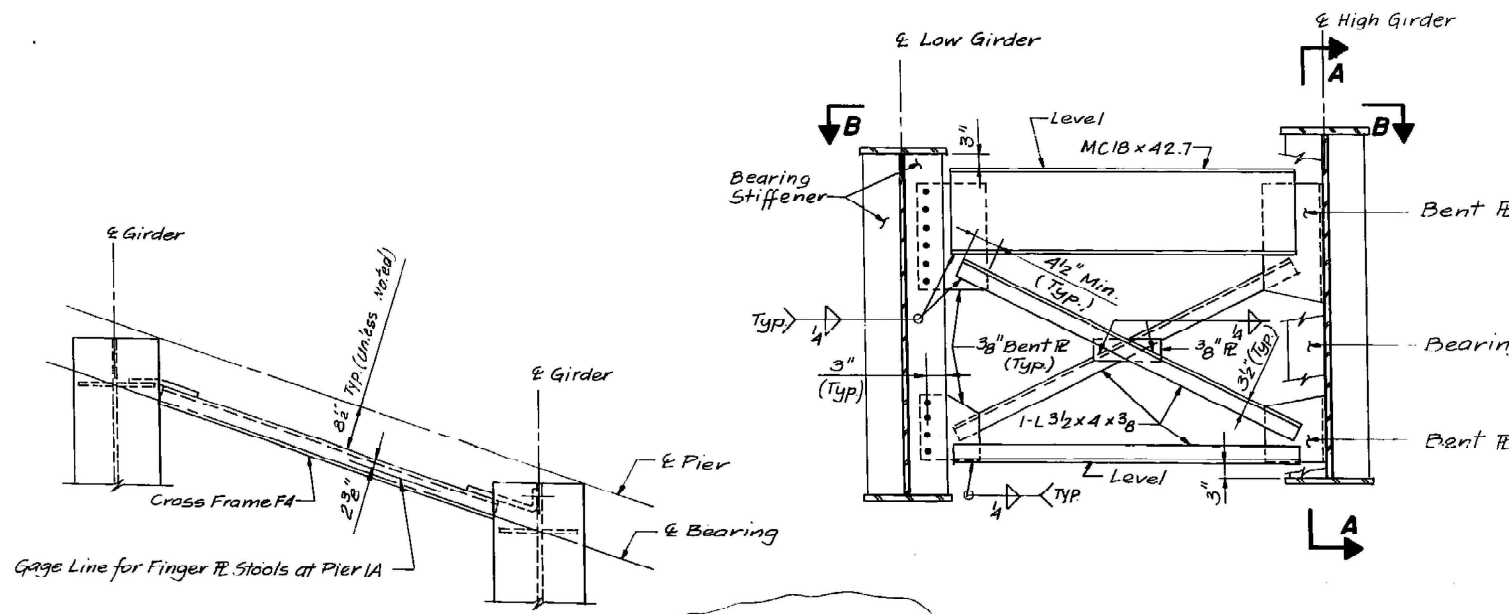


CROSS FRAME - F3

CROSS FRAME - F13
See note 3

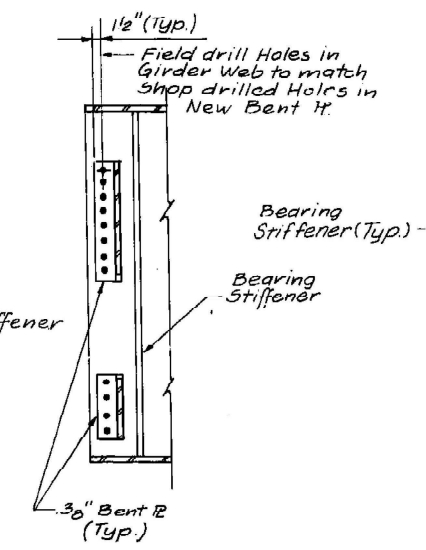


CROSS FRAME - F5, F5A & F6

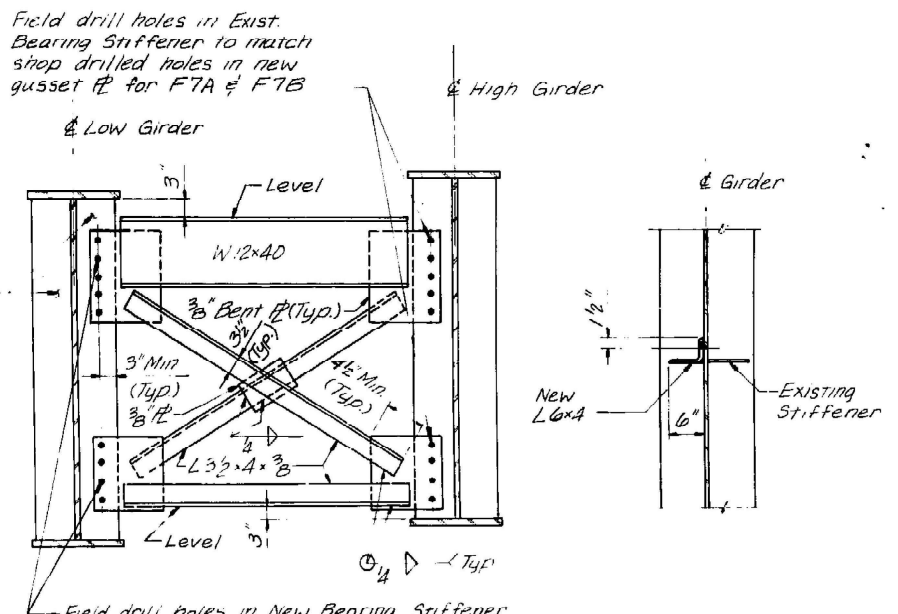


CROSS FRAME - F4

CROSS FRAME - F14
See note 3

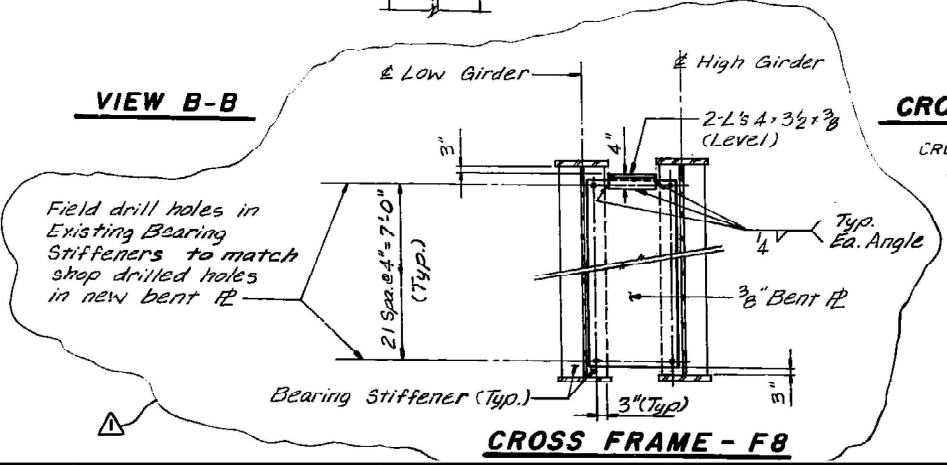


SECTION A-A



CROSS FRAME - F7, F7A & F7B

SECTION C-C
(For Cross Frame F5)



CROSS FRAME - F8

FOR INFORMATION ONLY

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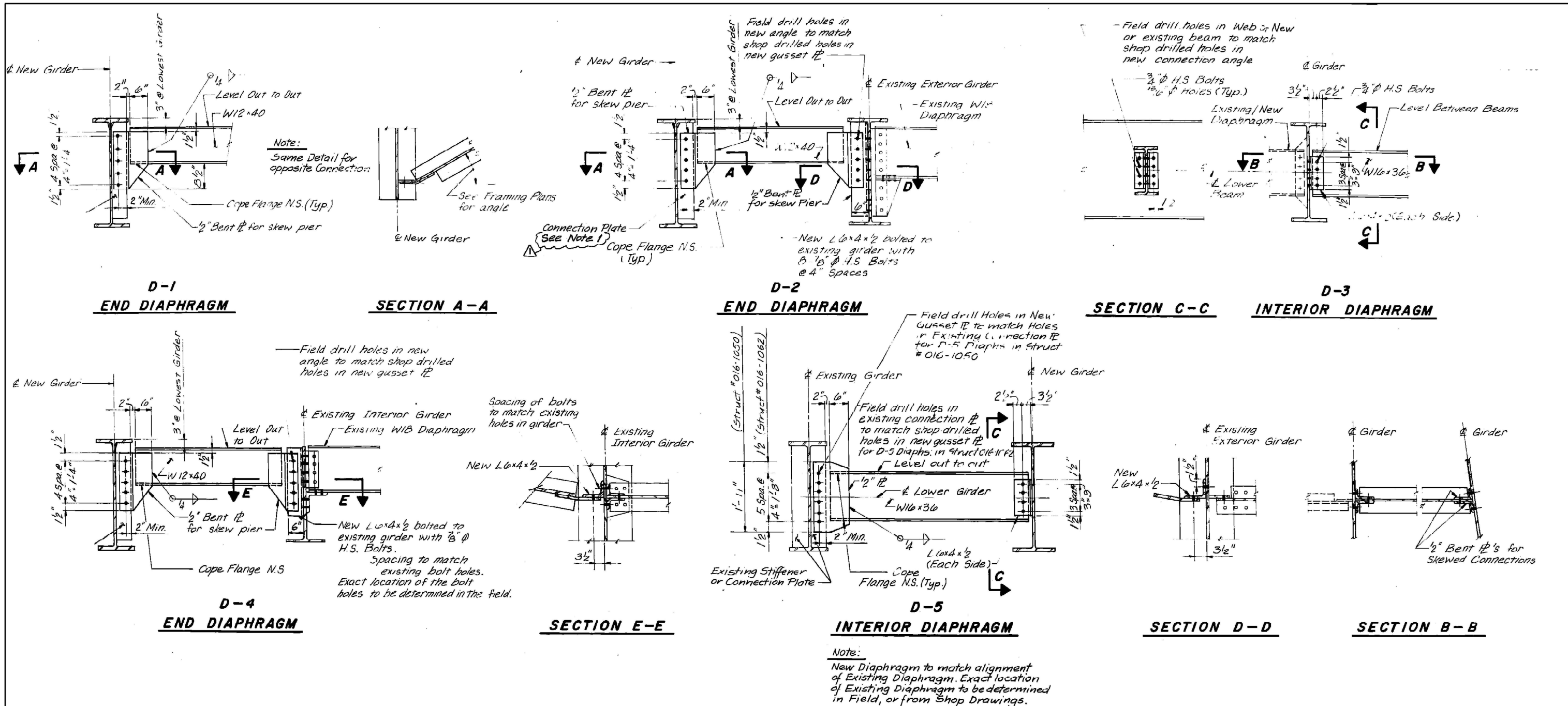
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS
I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR

SCALE: SHEET 8 OF 11 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	12
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

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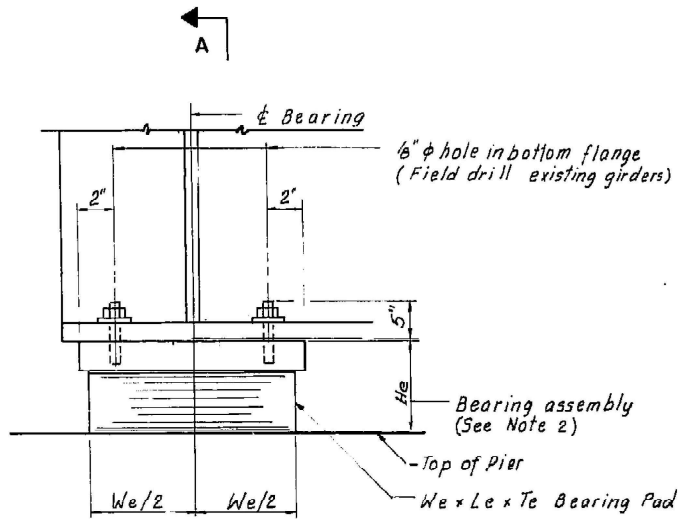
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS
I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR

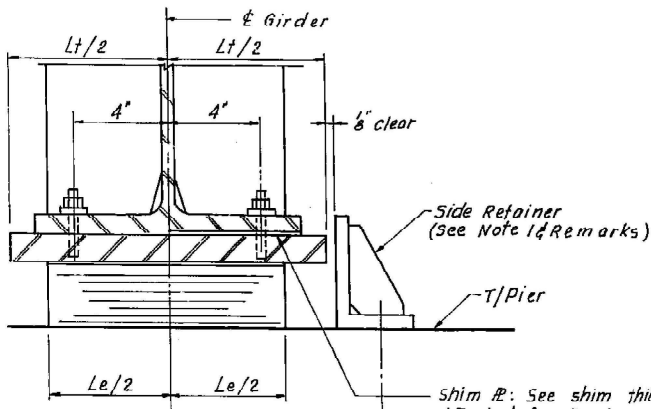
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	13
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				

FOR INFORMATION ONLY



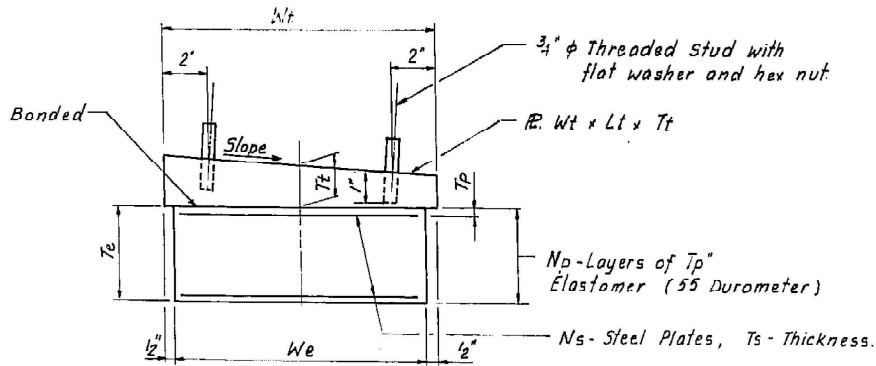
TYPICAL ELEVATION



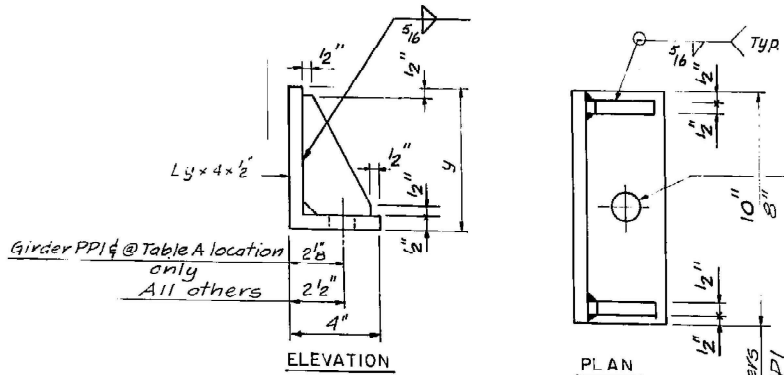
SECTION A-A

Shim \bar{R} : See shim thickness schedule (Typical for Bearings, without Bolsters)
New 1" ϕ Anchor Bolt with 2 1/2" x 2 1/2" x 5/16" \bar{R} Washer under nut. (Typical for Bearing located on top of Pier at exterior girders)
Existing 1 1/2" ϕ Anchor Bolt to be reused at Inside Face of Girders in Table A only. Supply new 2 1/4" x 2 1/4" x 5/16" \bar{R} Washer and new Hex Nut for 1 1/2" ϕ Anchor Bolt at this location only

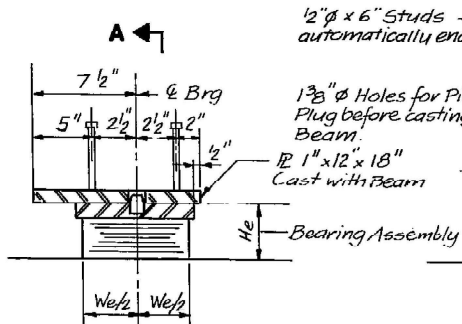
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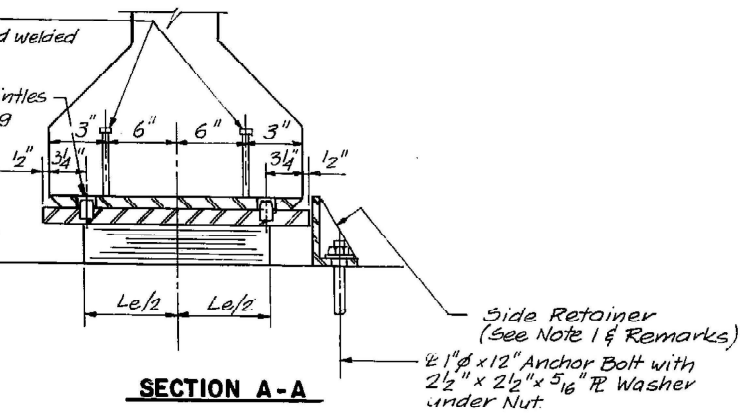
BEARING ASSEMBLY



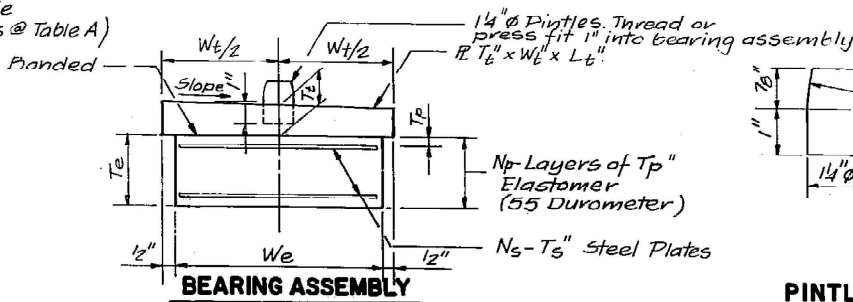
SIDE RETAINER DETAILS



SECTION AT PIER 71



SECTION A-A



BEARING ASSEMBLY

PINTLE

Note: Shim Plates shall not be placed under Brg. Assembly

TYPE I ELASTOMERIC EXPANSION BEARING AT PIER 71

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USER NAME = Jacob Roth

DESIGNED -

REVISED -

DRAWN -

REVISED -

CHECKED -

REVISED -

PLOT DATE = 12/5/2024

DATE -

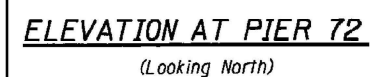
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS
I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR

SCALE: SHEET 10 OF 11 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	14
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				



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



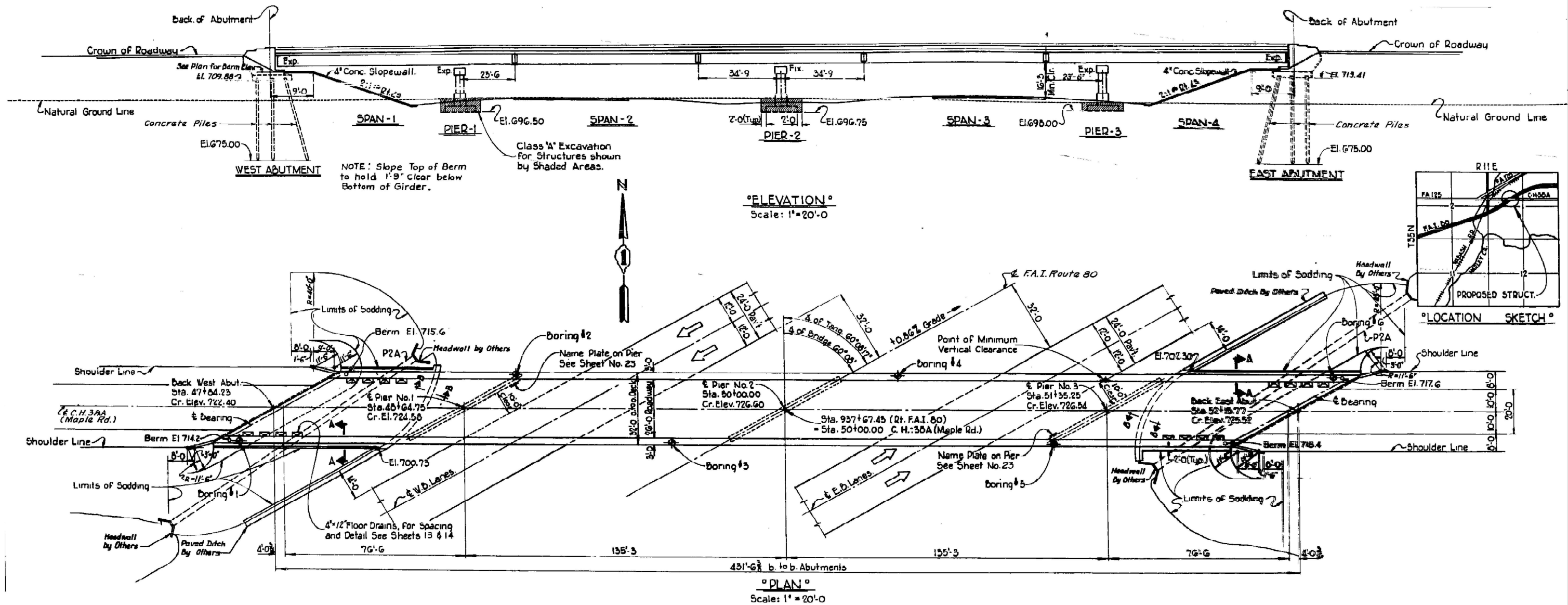
Notes: Shim plates shall not be placed under Bearing Assembly.



FOR INFORMATION ONLY

USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1: EXISTING BRIDGE PLANS I-94 EB TO I-55 SB AT ARCHER AVE/BNSF & ICC RR					F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
	DRAWN -	REVISED -							VAR	(1717.6-1P) BP 24	COOK	20	15		
	CHECKED -	REVISED -										CONTRACT NO. 62X20			
PLOT DATE = 12/5/2024	DATE -	REVISED -		SCALE:	SHEET 11	OF 11	SHEETS	STA. 0+00.00	TO STA. 0+00.00						

MODEL: SN 016-1062-08a [Sheet]



FOR INFORMATION ONLY

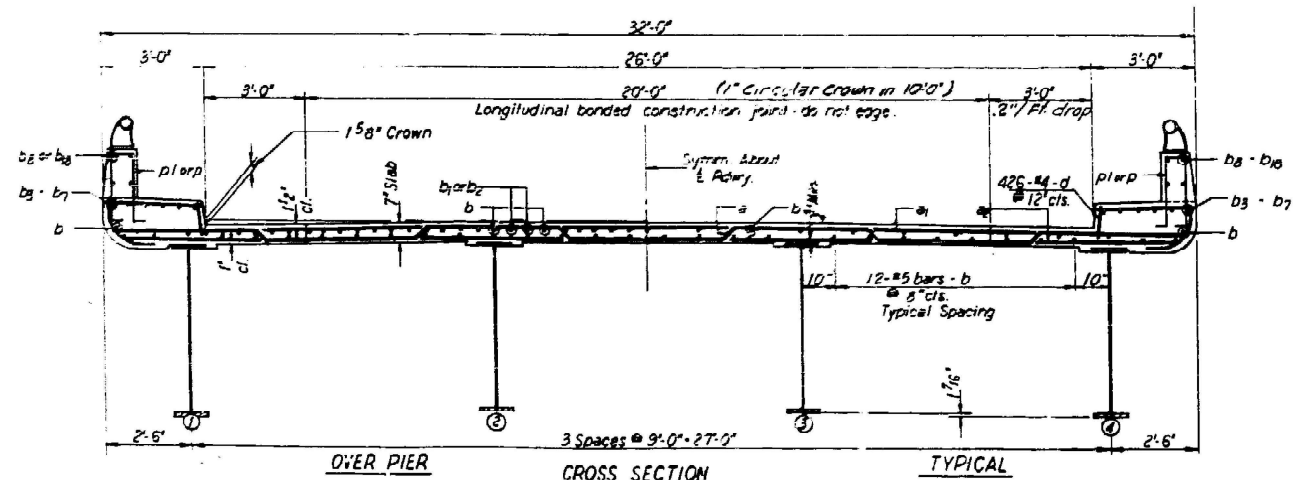
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS			
I-80 AT MAPLE ROAD			
SCALE:	SHEET 1	OF 5 SHEETS	STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	16
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				

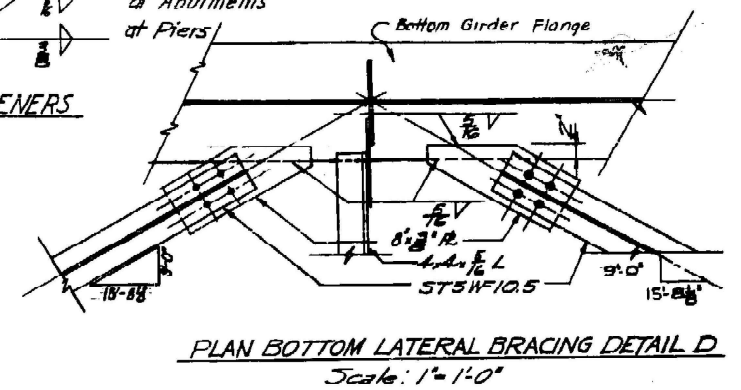
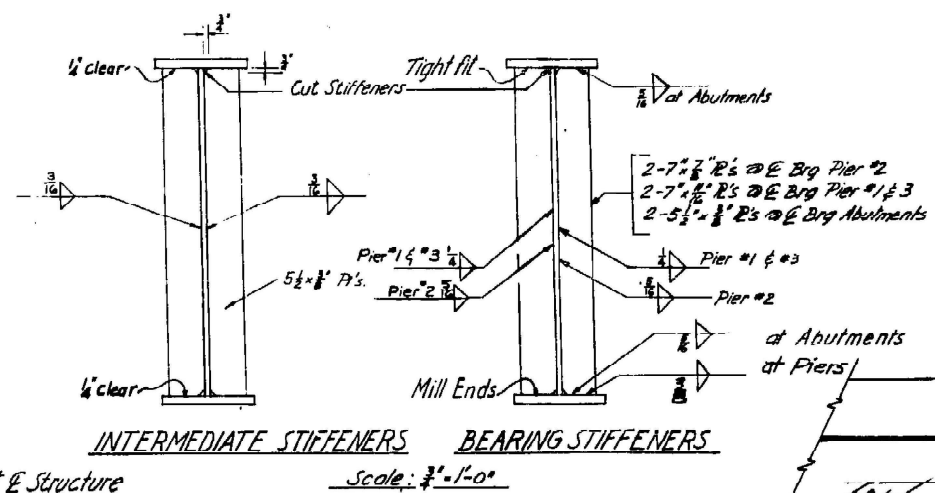
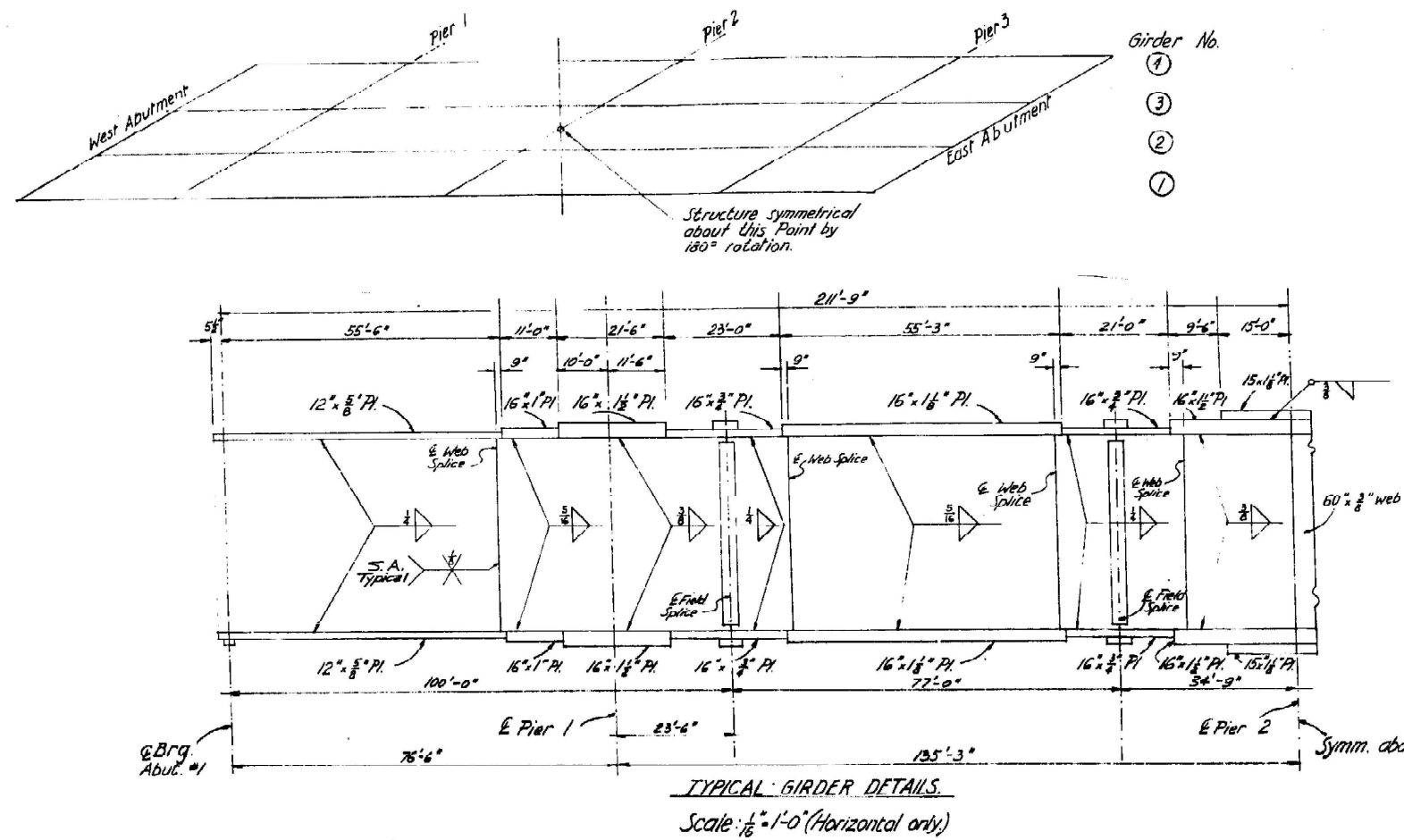


FOR INFORMATION ONLY

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FILE NAME:	USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 2: EXISTING BRIDGE PLANS I-80 AT MAPLE ROAD				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	(1717.6-1P) BP 24	COOK	20	17
		CHECKED -	REVISED -						CONTRACT NO. 62X20				
	PLOT DATE = 12/5/2024	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET 2	OF 5	SHEETS	STA. 0+00.00	TO STA. 0+00.00		

MODEL: SN 099-0198-04 (Sheet)
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FOR INFORMATION ONLY

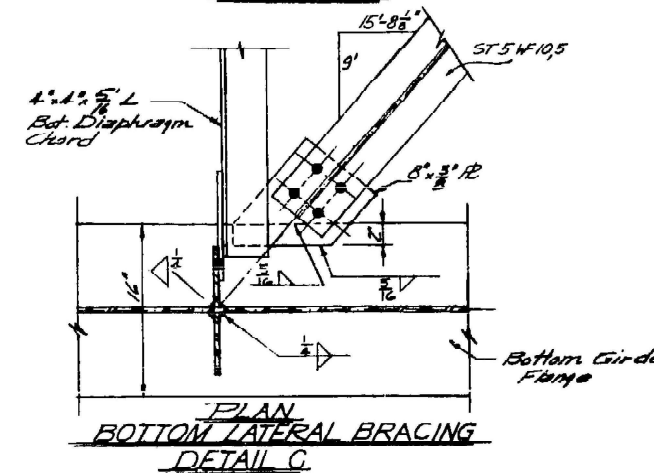
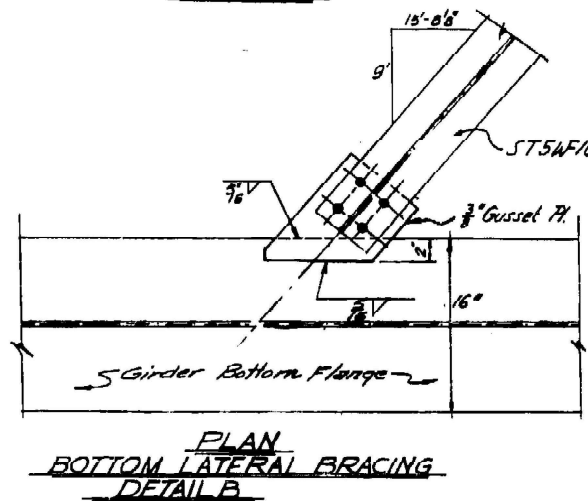
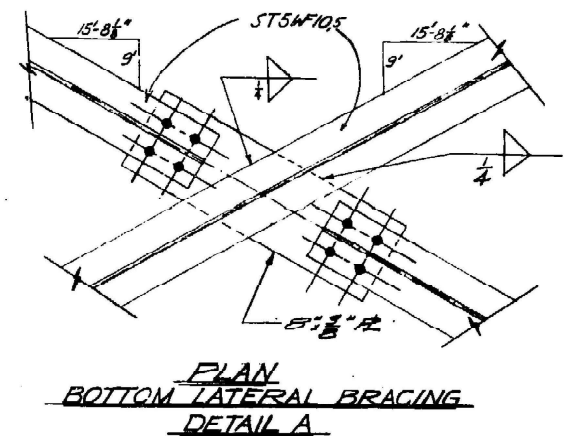
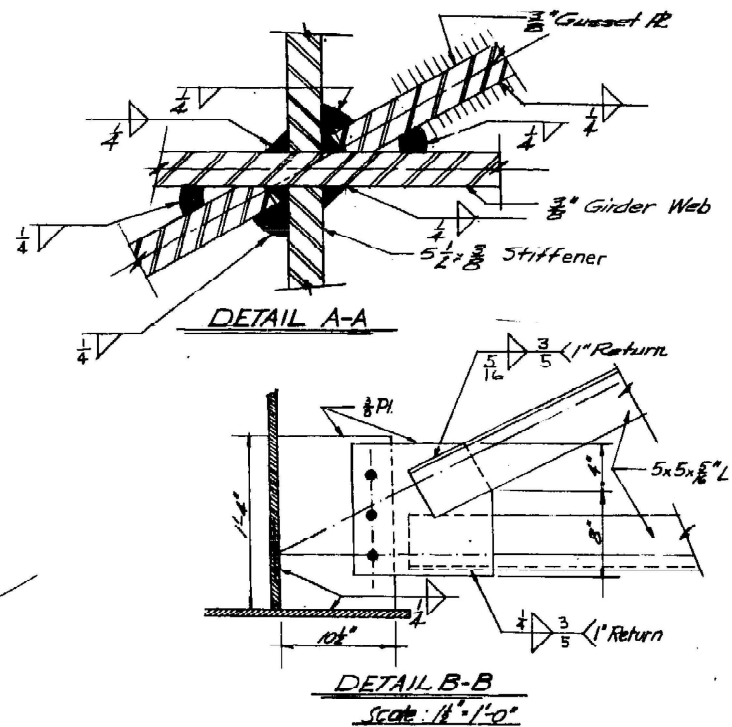
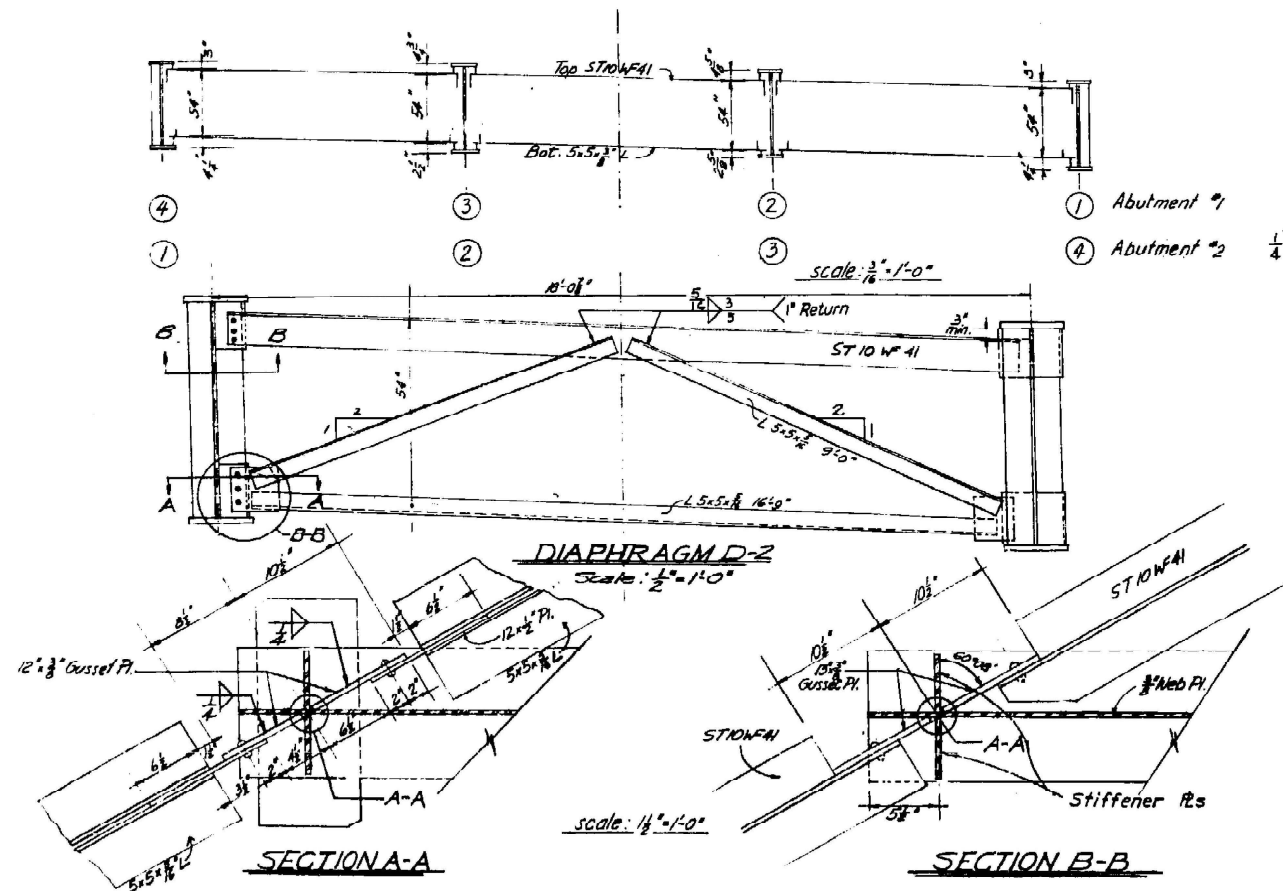
USER NAME = Jacob Roth	DESIGNED -	REVISED -
DRAWN -	REVISED -	
CHECKED -	REVISED -	
PLOT DATE = 12/5/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
I-80 AT MAPLE ROAD

SCALE: SHEET 4 OF 5 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	19
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

MODEL: SN 099-0198-05 (Sheet)
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USER NAME = Jacob Roth	DESIGNED -	REVISED -
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PLOT DATE = 12/5/2024	DATE -	REVISED -

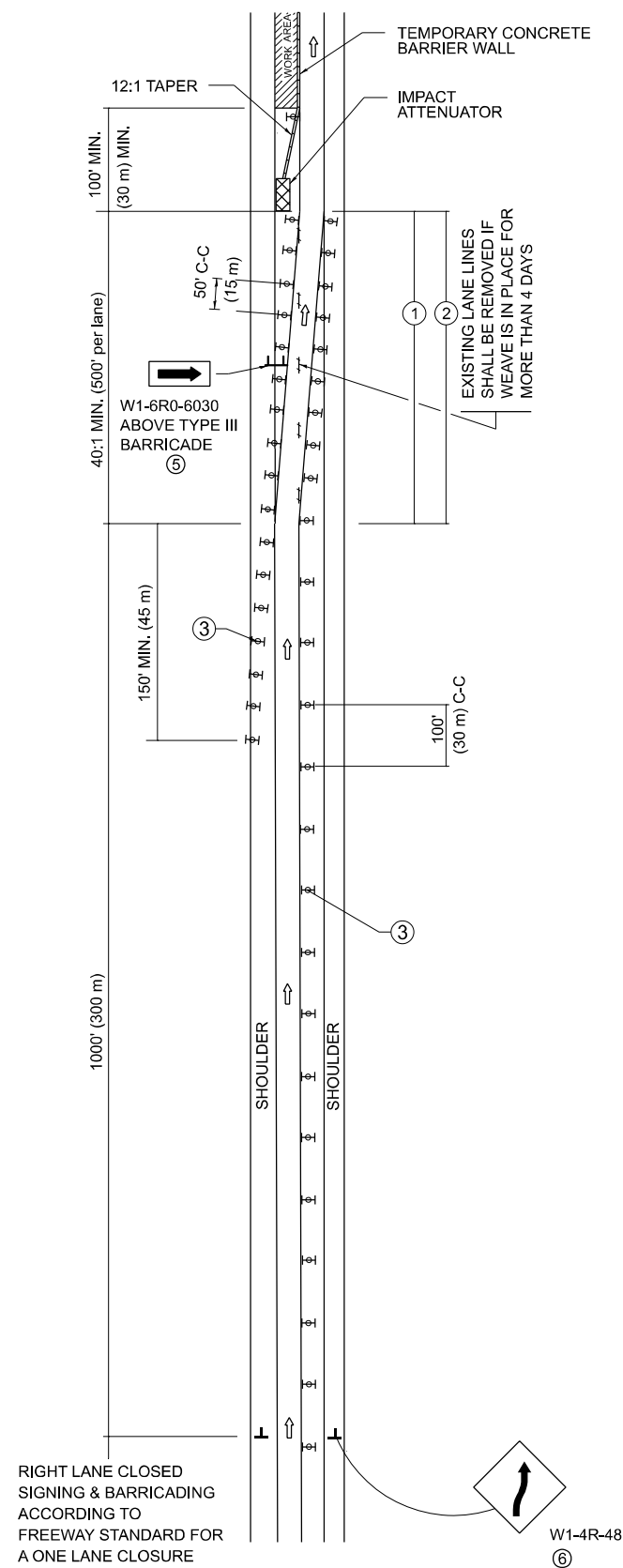
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
I-80 AT MAPLE ROAD

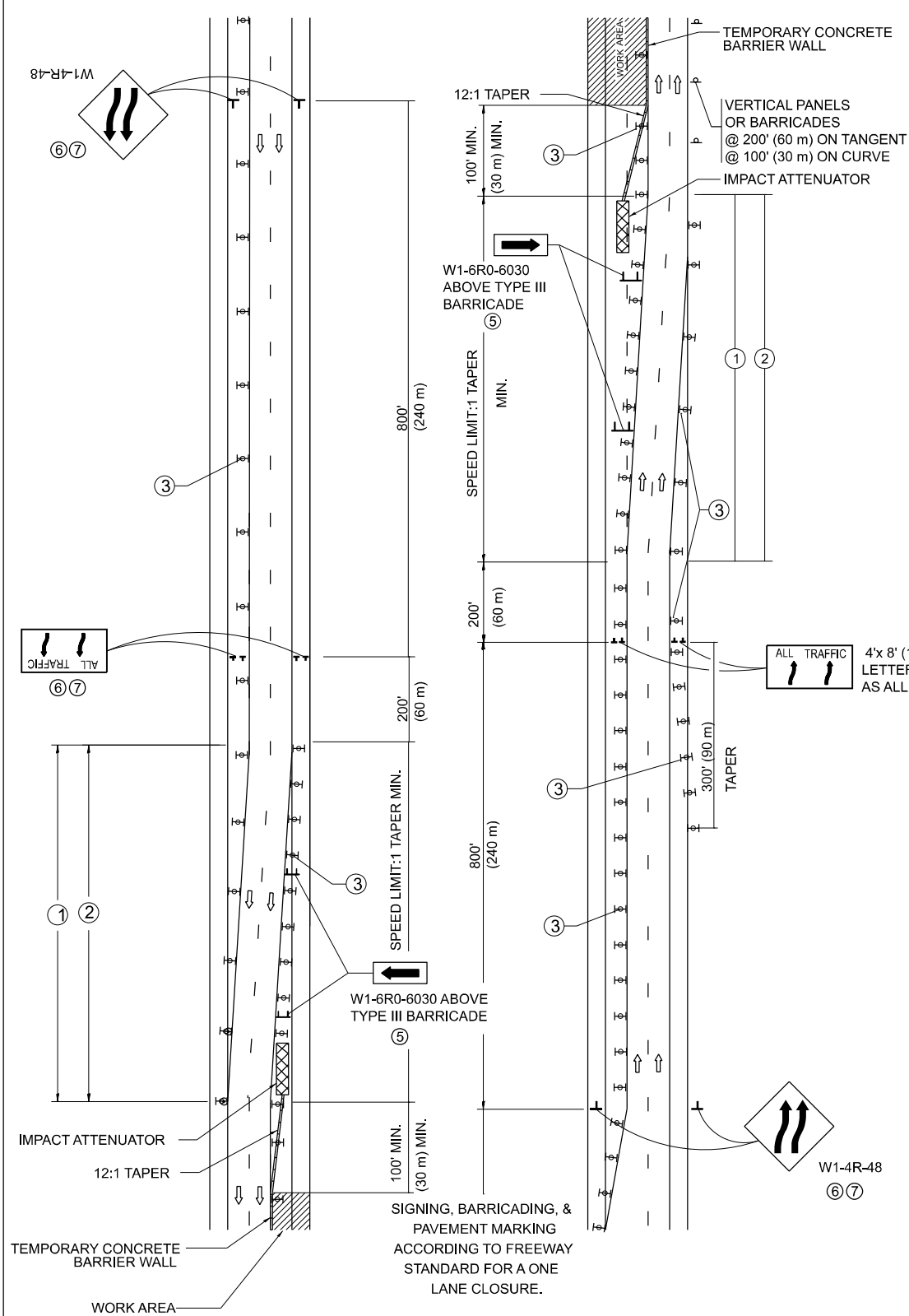
SCALE: SHEET 5 OF 5 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	20	20
CONTRACT NO. 62X20				
ILLINOIS FED. AID PROJECT				

SINGLE LANE WEAVE










MULTI-LANE WEAVE



- GENERAL NOTES:**

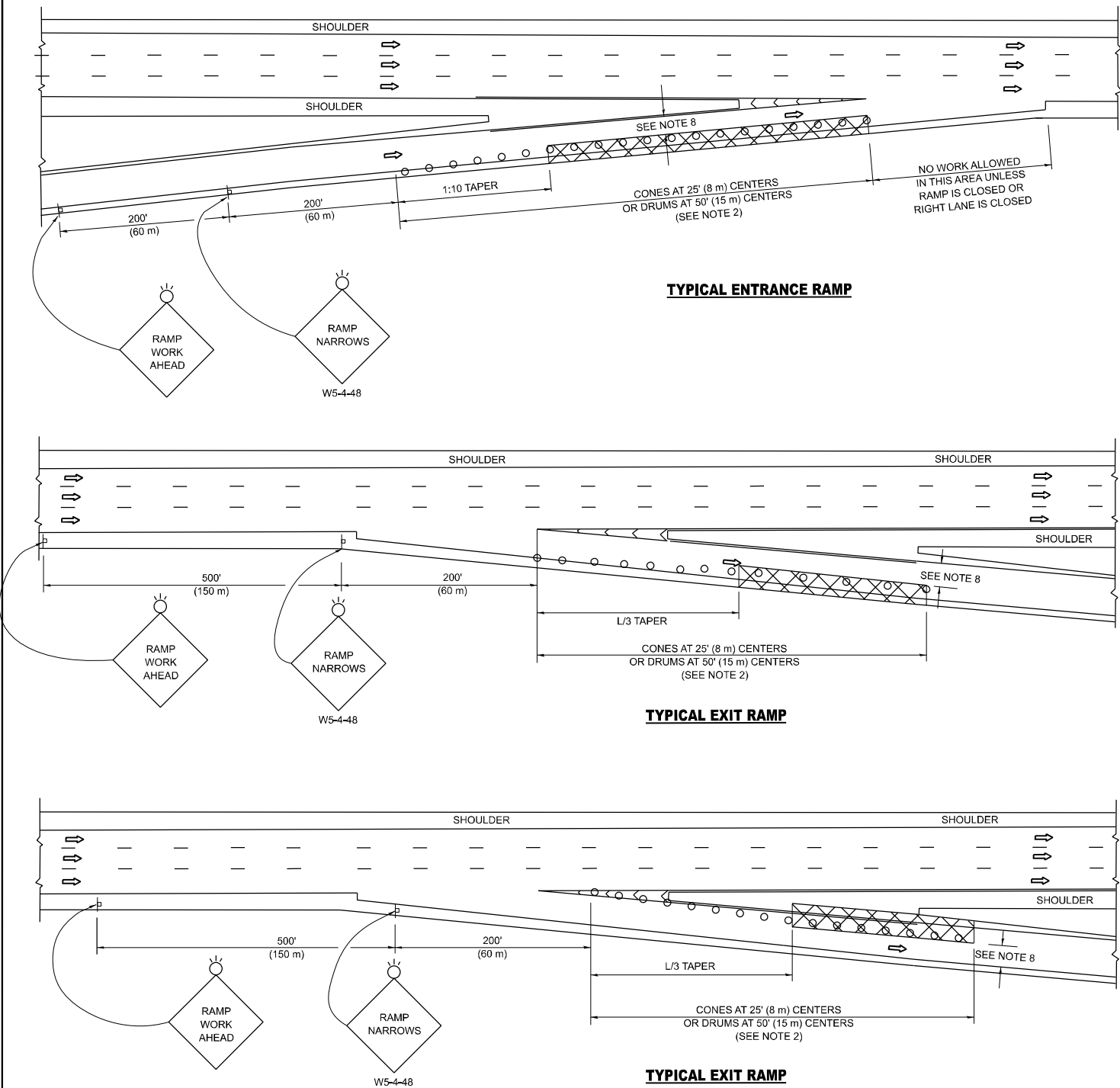
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8" "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

SYMBOLS

- | | |
|---|--|
|  | DIRECTION OF TRAFFIC |
|  | WORK AREA |
|  | SIGN ON PORTABLE OR PERMANENT SUPPORT |
|  | TYPE II BARRICADE OR DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT |
|  | TEMPORARY CONCRETE BARRIER WALL |
|  | IMPACT ATTENUATOR |
|  | |
- W24-1-48
- (7)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

PARTIAL RAMP CLOSURE DETAILS



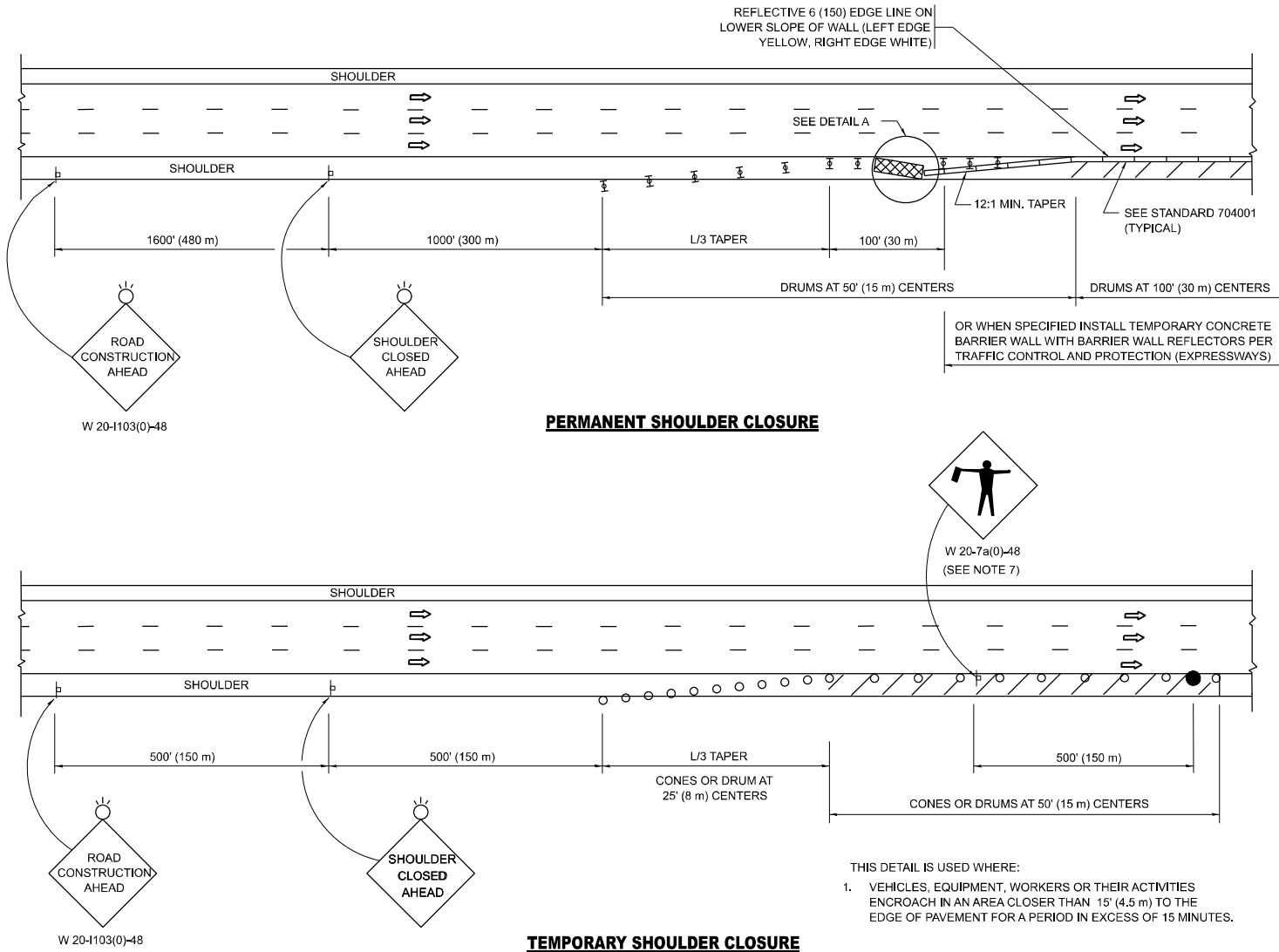
SYMBOLS

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

- THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
- TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE

TEMPORARY SHOULDER CLOSURE

- THIS DETAIL IS USED WHERE:
- VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)



- THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
- THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
b. THE WORK ACTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
- 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.
- TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(1717.6-1P) BP 24	COOK	22	22
TC-17		CONTRACT NO. 62X20		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-17 [Sheet]
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