

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3-4 SUMMARY OF QUANTITIES
- 5 SCHEDULE OF QUANTITIES
- 6 STRIPING SCHEDULE
- 7-13 A STAGING PLANS
- 14-27 STRUCTURE PLANS
- 28-29 MEDIAN CURB
- 30-33 WORK ZONE SIGN DETAILS (34.1)
- 34 URBAN LANE INSIDE CLOSURE, MULTILANE, 2-WAY, WITH MOUNTABLE MEDIAN (35.1)
- 35-37 TYPICAL PAVEMENT MARKINGS (41.1)

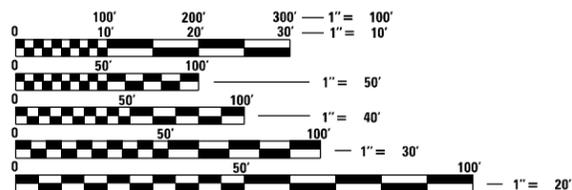
**HIGHWAY STANDARDS**

- 000001-08 STANDARDS SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND A FOOT
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
- 701602-10 URBAN LANME CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701611-01 URBAN HALF ROAD CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-08 TRAFFIC CONTROL DEVICES
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**TOWNSHIP: ROCK ISLAND DESCRIPTION OF IMPROVEMENT**  
**SECTION: 26,35**

**THE IMPROVEMENT CONSISTS OF STRUCTURAL STEEL REPAIRS: BEAMS, BRACKETS, HANGER, CANOPY AND JOINT REPAIRS, HANDRAIL AND POST REPLACMENT TO STRUCTURE CARRYING US 67 (CENTENNIAL BRIDGE) OVER THE MISSISSIPPI RIVER (S.N. 081-9905)**

**SN # 081-9905**



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 MANAGER: CHRIS CONDERMAN (815)284-5995**  
**SQUAD LEADER: CHAD SPREEMAN (815)284-5934**

**CONTRACT NO. 64N71**

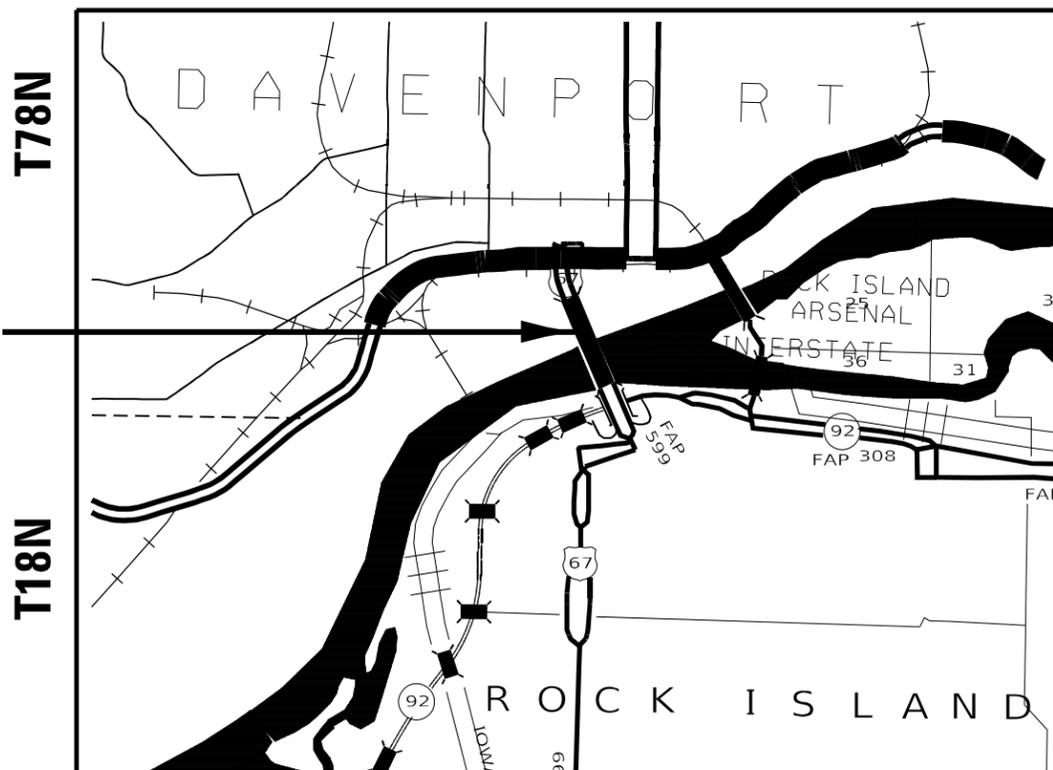
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PROPOSED**  
**HIGHWAY PLANS**

**F.A.P. ROUTE 308 (US 67)**  
**SECTION (3BR)BRR-1**  
**PROJECT NHPP-84T9(487)**  
**BRIDGE REPAIR**  
**ROCK ISLAND COUNTY**

**C-92-042-19**

**R3E IOWA**

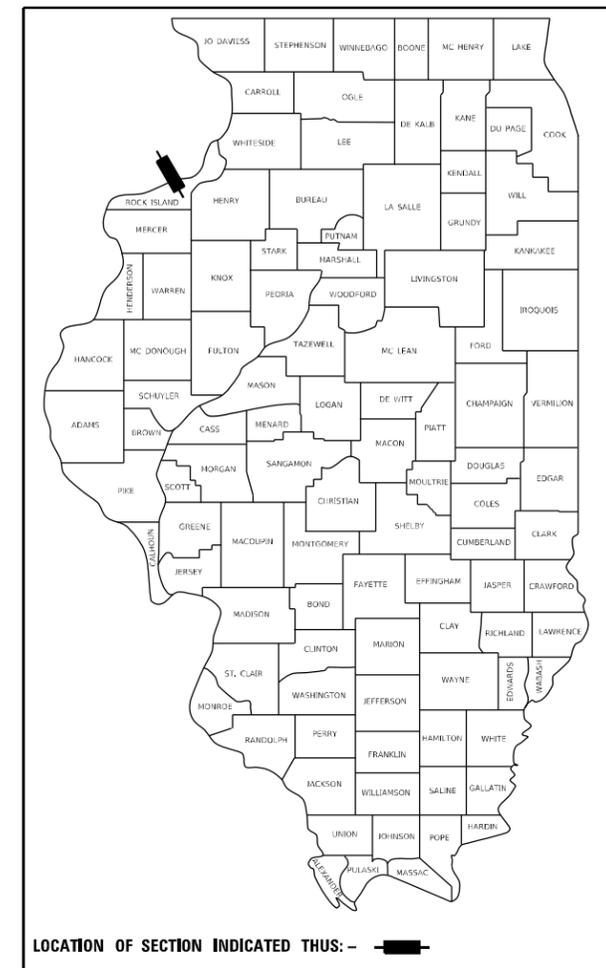


GROSS LENGTH = 3854 FT. = 0.730 MILE  
 NET LENGTH = 3854 FT. = 0.730 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3B)BRR-1	ROCK ISLAND	37*	1
			ILLINOIS	CONTRACT NO. 64N71

\* 37 + 2 = 39 TOTAL SHEETS.

D-92-036-19



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUBMITTED 01/26 20 22

*[Signature]*  
 REGIONAL ENGINEER

March 25 20 22  
*[Signature]*  
 ENGINEER OF DESIGN AND ENVIRONMENT

March 23 20 22  
*[Signature]*  
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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**OF THE STATE OF ILLINOIS**

# GENERAL NOTES

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

CenturyLink	(3069)477-0363
Mediacom	(309)743-4750
AT&T	(630)573-5465

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

The following agencies must be contacted at least two weeks prior to any work involving the sign structures at the north and south side of this bridge. IowaDOT: **Jason Dale 515-239-1995** and City of Davenport: **Ron Perkins 563-888-2002**.

That will give fair opportunity to remove their permitted camera equipment. We will have to allow opportunity for the replacement structure to provide for existing conduit feeding the existing sign to be replaced through the sidewalk to the new sign structure.

No work will be allowed in water. A mussel survey was not completed for this Contract.

This structure will retain the same number 081-9905.

FILE NAME = 64N71.GN (003).DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			FAP 308	(3BR)BRR-1	Rock Island	37	2	
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	PLOT DATE = 1/27/2022 6:23 AM	DATE - 1/27/2022 6:21 AM	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				ILLINOIS 80% FED / 20% STATE	IOWA 100% STATE
				BRIDGE 0013 081-9905	BRIDGE 0013 081-9905
52100400	STEEL BEARING ASSEMBLY	EACH	2	1	1
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.5	0.5
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	L SUM	1	0.5	0.5
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5
70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	1520	760	760
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	98	49	49
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2126	1063	1063
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4860	2430	2430
73800020	REMOVE STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - MONOTUBE	EACH	2	1	1
73800220	STRUCTURAL STEEL SUPPORT FOR OVERHEAD SIGN STRUCTURE - MONOTUBE	EACH	2	1	1
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	4	2	2
X0320016	TEMP PEDESTRIAN RAMP	SQ FT	80	40	40
X4402400	CURB REMOVAL (SPECIAL)	FOOT	154	77	77

\*SPECIALTY ITEMS

\*\*NON-PARTICIPATING ITEMS

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

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	3
			CONTRACT NO. 64N71	
ILLINOIS FED. AID PROJECT				

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				URBAN	
				ILLINOIS 80% FED / 20% STATE	IOWA 100% STATE
				BRIDGE 0013 081-9905	BRIDGE 0013 081-9905
X6060505	CONCRETE CURB (SPECIAL)	FOOT	154	77	77
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5
Z0001905	STRUCTURAL STEEL REPAIR	POUND	27,200	13,600	13,600
X0325497	STRUCTURAL REPAIR OF CONCRETE (SPECIAL)	SQ FT	29	14.5	14.5
X0931300	JACKING AND CRIBBING (SPECIAL)	L SUM	1	0.5	0.5
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	0.5	0.5

\*SPECIALTY ITEMS

\*\*NON-PARTICIPATING ITEMS

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	4
			CONTRACT NO. 64N71	
ILLINOIS FED. AID PROJECT				

## Schedule of Quantities

**78200011**

**BARRIER WALL REFLECTORS, TYPE C**

<u>EACH</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
4	4	North part of Bridge Iowa Side 2 sections that have been removed before	Median
<b>4</b>	<b>4</b>	<b>TOTAL</b>	

**X4402400**

**CURB REMOVAL (SPECIAL)**

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
154	154	North part of Bridge Iowa Side 2 sections that have been removed before	Median
<b>154</b>	<b>154</b>	<b>TOTAL</b>	

**X6060505**

**CONCRETE CURB (SPECIAL)**

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
154	154	North part of Bridge Iowa Side 2 sections that have been removed before	Median
<b>154</b>	<b>154</b>	<b>TOTAL</b>	

**X7015005**

**CHANGEABLE MESSAGE SIGN**

<u>CAL DAY</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
98	98	Note locations are on the traffic control sheets in plans and to be determined by Resident.	
<b>98</b>	<b>98</b>	<b>TOTAL</b>	

**TEMPORARY PEDESTRIAN RAMP**

<u>SQ FT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
80	80	North part of Bridge Iowa Side along curb.	CURB
<b>80</b>	<b>80</b>	<b>TOTAL</b>	

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	5
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

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STRIPING SCHEDULE							
LOCATION		REMARKS	LENGTH	70107004	70307120		70300150
				PAVEMENT MARKING BLACKOUT TAPE, 4"	TEMPORARY PAVEMENT MARKING LINE - 4", TPE IV TAPE		SHORT-TERM PAVEMENT MARKING REMOVAL
Location			4X Length	Yellow	White		
			FT	FOOT	FOOT		SQ FT
<b>MAINLINE</b>		<b>Rock Island COUNTY</b>					
Stage 1 tapers South of Bridge		Tapers	540		540	540	360
Stage 1 tapers North of Bridge		Tapers	900		540	900	480
Stage 1 ramp closure South of Bridge		Tapers	180			180	60
Stage 1 at Bridge Taper South of Bridge		Tapers	220	880			293
Stage 2 tapers South of Bridge		Tapers	540		540	540	360
Stage 2 tapers North of Bridge		Tapers	540		540	540	360
CURB REMOVAL AREA		Median	160	640			213
<b>MAINLINE</b>		<b>Rock Island COUNTY</b>		<b>1,520</b>	<b>2,160</b>	<b>2,700</b>	<b>2,126</b>

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STRIPING SCHEDULE**

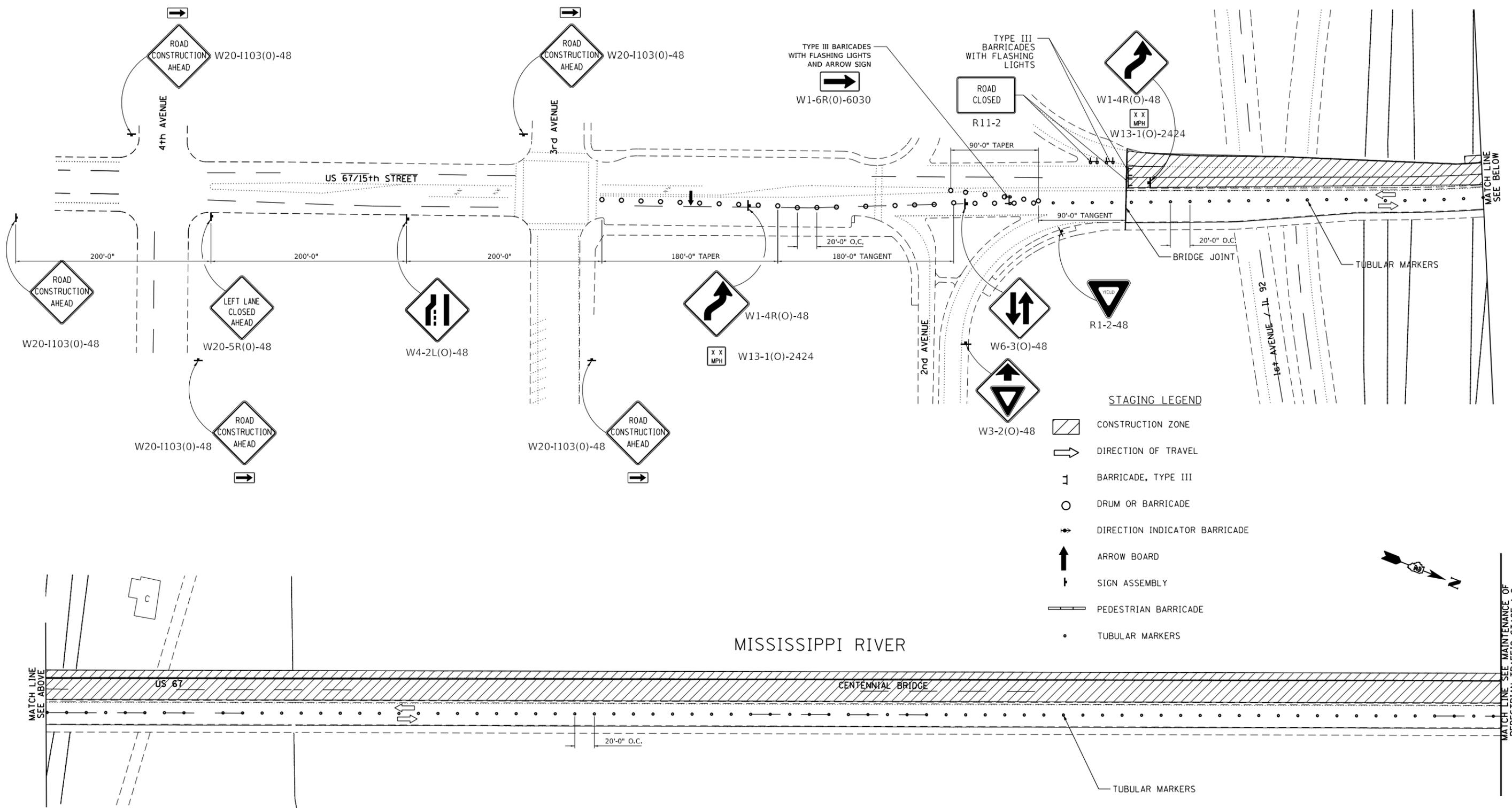
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	6
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				





NOTES:  
 FOR STAGING NOTES SEE MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS SHEETS 10 & 11.  
 FOR ROAD CLOSURE AND DETOUR SIGNING SEE SHEETS 6, 7, 8, 9, AND 12.



**STAGING LEGEND**

	CONSTRUCTION ZONE
	DIRECTION OF TRAVEL
	BARRICADE, TYPE III
	DRUM OR BARRICADE
	DIRECTION INDICATOR BARRICADE
	ARROW BOARD
	SIGN ASSEMBLY
	PEDESTRIAN BARRICADE
	TUBULAR MARKERS

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF PEDESTRIAN TRAFFIC STAGE 2-1**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 308	SECTION (3BR)BRR-1	COUNTY ROCK ISLAND	TOTAL SHEETS 37	SHEET NO. 9
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE MAINTENANCE OF PEDESTRIAN TRAFFIC STAGE 1-2

NOTES:

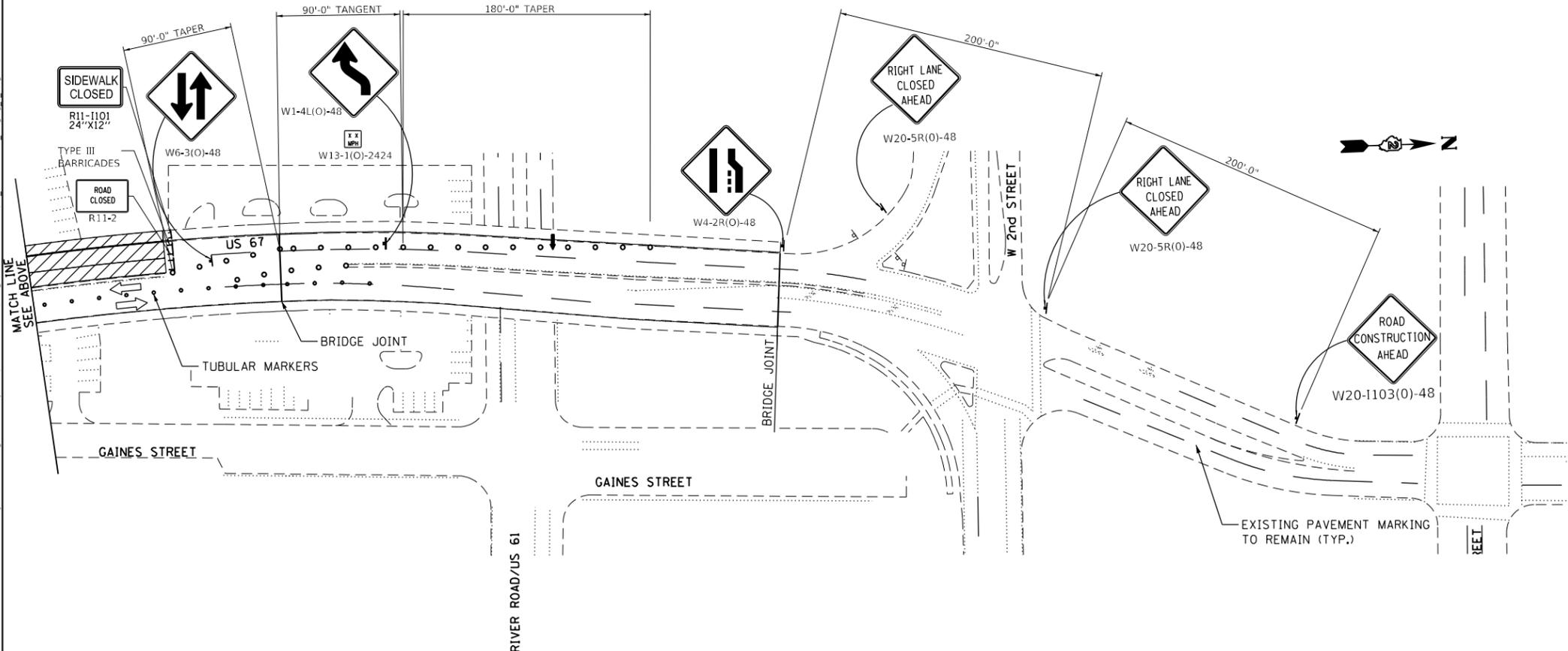
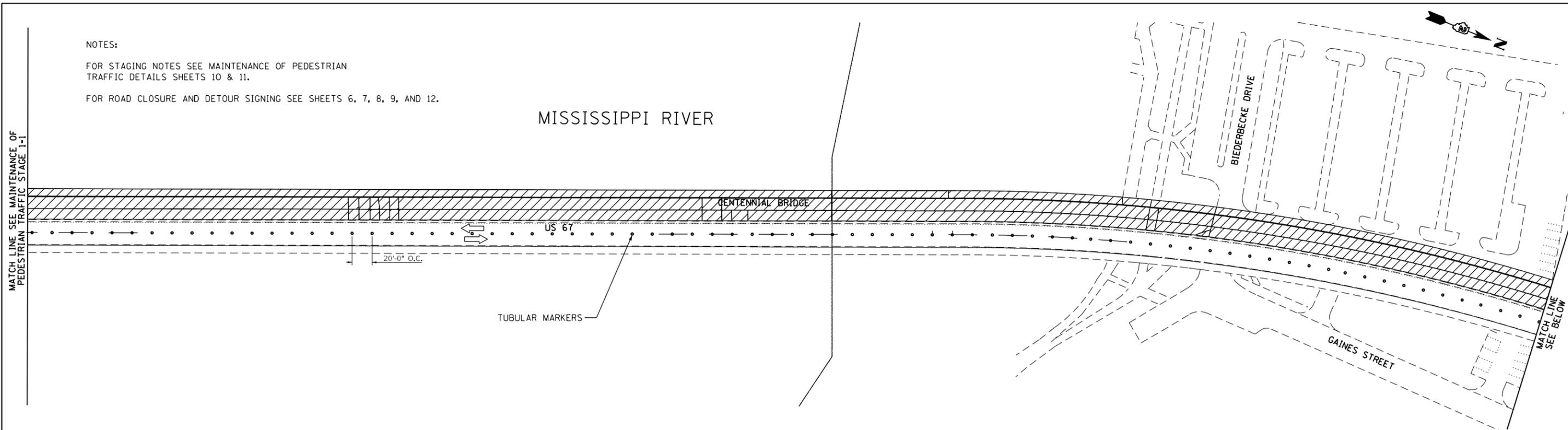
FOR STAGING NOTES SEE MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS SHEETS 10 & 11.

FOR ROAD CLOSURE AND DETOUR SIGNING SEE SHEETS 6, 7, 8, 9, AND 12.

MISSISSIPPI RIVER

MATCH LINE SEE MAINTENANCE OF PEDESTRIAN TRAFFIC STAGE 1-1

MATCH LINE SEE BELOW



STAGING LEGEND

- CONSTRUCTION ZONE
- DIRECTION OF TRAVEL
- BARRICADE, TYPE III
- BARRICADE, TYPE I
- DIRECTION INDICATOR BARRICADE
- ARROW BOARD
- SIGN ASSEMBLY
- PEDESTRIAN BARRICADE
- TUBULAR MARKERS
- BARRICADE, TYPE III WITH FLASHING LIGHTS

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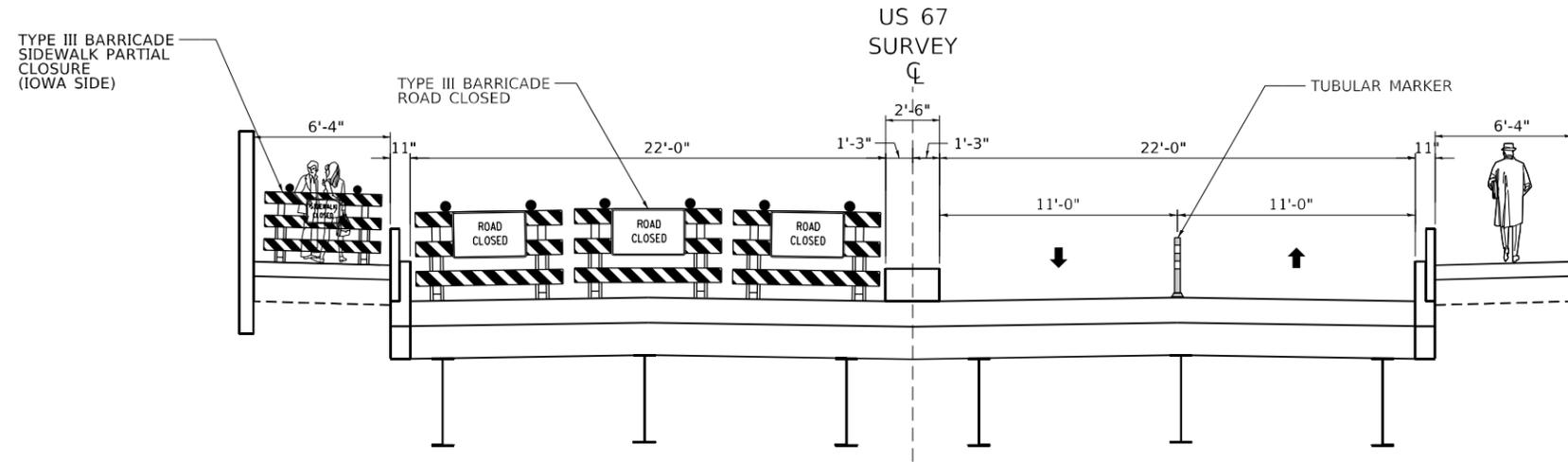
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAINTANANCE OF PEDESTRIAN TRAFFIC STAGE 2-2  
 SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	10
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTIONS  
WEST SIDE LANE CLOSURES  
 (LOOKING TOWARDS IOWA)



EXISTING SECTION US 67  
 BRIDGE

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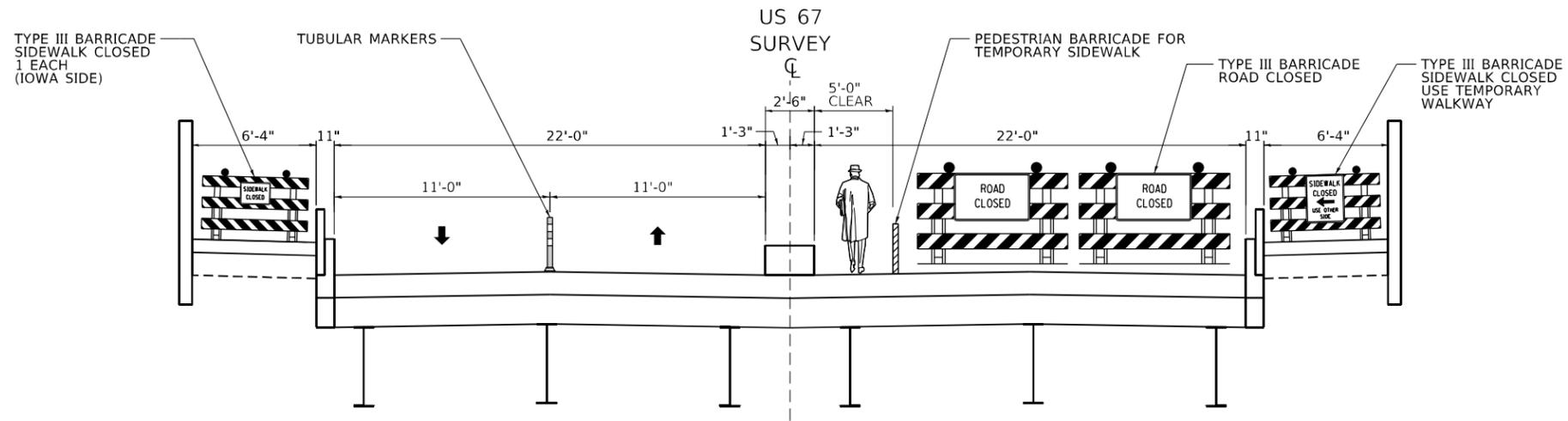
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 67 OVER MISSISSIPPI RIVER STRUCTURE NO. 081-9905  
 MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	11
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTIONS  
 EAST SIDE LANE CLOSURES  
 (LOOKING TOWARD IOWA)



EXISTING SECTION US 67  
 BRIDGE

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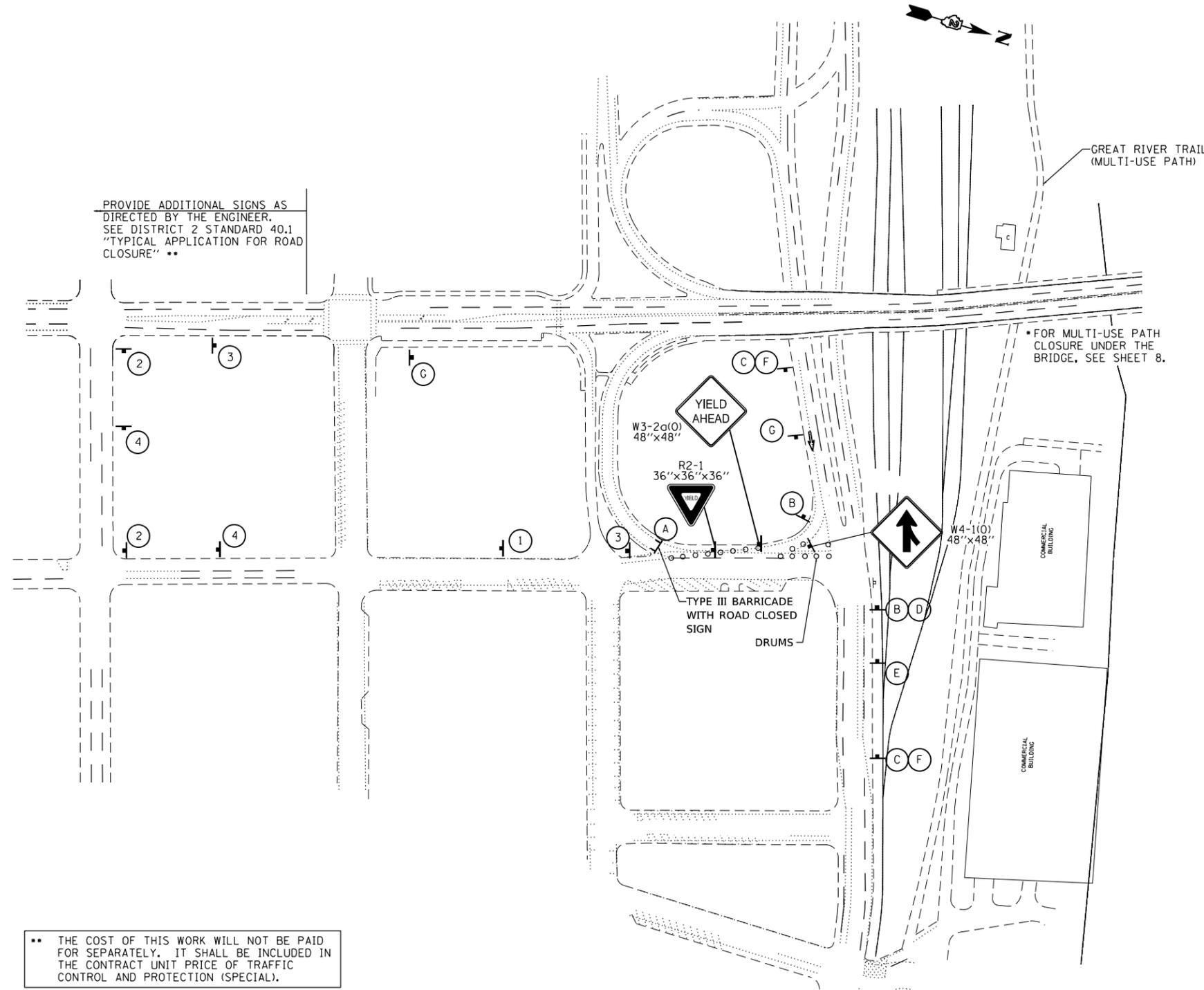
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**US 67 OVER MISSISSIPPI RIVER STRUCTURE NO. 081-9905  
 MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	12
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

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PROVIDE ADDITIONAL SIGNS AS DIRECTED BY THE ENGINEER. SEE DISTRICT 2 STANDARD 40.1 "TYPICAL APPLICATION FOR ROAD CLOSURE" \*\*

FOR MULTI-USE PATH CLOSURE UNDER THE BRIDGE, SEE SHEET 8.

\*\* THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY. IT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

<b>R11-2</b> 48"X30" <b>ROAD CLOSED</b>	<b>W20-3</b> 48"X48" <b>RAMP CLOSED AHEAD</b>	<b>W20-2</b> 48"X48" <b>DETOUR AHEAD</b>	<b>W1-6R(O)-6030</b> ←	<b>US 67 RAMP CLOSED</b>	<b>FOLLOW MARKED DETOUR</b>
(A)	(B)	(C)	(D)	(E)	
<b>NORTH</b> <b>US 67</b>	<b>W12-102(O)</b> 48"X48" ←XX'-X'→	<b>M4-8</b> 24"X12" <b>DETOUR</b>	<b>M4-8</b> 24"X12" <b>DETOUR</b>	<b>M4-8A</b> 24"X18" <b>END DETOUR</b>	<b>M4-8</b> 24"X12" <b>DETOUR</b>
(F)	(G)	<b>M3-1</b> 24"X12" <b>NORTH</b>	<b>M3-1</b> 24"X12" <b>NORTH</b>	<b>M3-1</b> 24"X12" <b>NORTH</b>	<b>M3-1</b> 24"X12" <b>NORTH</b>
PLATE TO GO BELOW SIGNS		<b>M1-4</b> <b>67</b>	<b>M1-4</b> <b>67</b>	<b>M1-4</b> <b>67</b>	<b>M1-4</b> <b>67</b>
		<b>M6-3</b> 21"X15" ↑	<b>M6-1</b> 21"X15" →		<b>M6-6</b> 21"X15" ↗
		(1)	(2)	(3)	(4)

- LEGEND**
- ← NORTHBOUND DETOUR
  - ↔ SOUTHBOUND DETOUR
  - ⊥ SIGN ASSEMBLY
  - TYPE I BARRICADE OR DRUM
  - ⊞ TYPE III BARRICADE

**NOTE:**  
 SEE SHEET 9 FOR PEDESTRIAN TRAFFIC CONTROL STAGING NOTES.  
 SEE SEPARATE MAINTENANCE OF PEDESTRIAN TRAFFIC PLANS FOR INFORMATION REGARDING PEDESTRIAN ACCOMMODATIONS DURING THE BRIDGE CLOSURE.

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF PEDESTRIAN TRAFFIC DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	13
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				



1



2



3



4



5



6



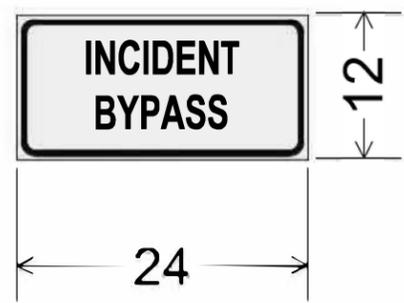
7



8

### SYMBOLS

-  SIGN
-  TYPE II BARRICADE OR DRUM WITH LIGHT
-  TYPE III BARRICADE WITH FLASHERS
-  PORTABLE CHANGEABLE MESSAGE SIGN
-  ARROW BOARD



INCIDENT BYPASS SHALL BE PAID FOR AS TRAFFIC CONTROL PROTECTION (SPECIAL)

MODEL: Default  
FILE NAME: p:\work\pw\_bentley.com\pwworkspace\DOT\_Offices\District\_2\Projects\64N71\Program\_Development\Studies\_64N71\Signs\sign.dgn

USER NAME = costellopp	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISOR -
PL OT AT E = Nbr2022 01:03: 24 PM	CHECKED -	REVISOR -
	DATE -	R EV ISD -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US ROUTE 67  
SIGN LOCATIONS

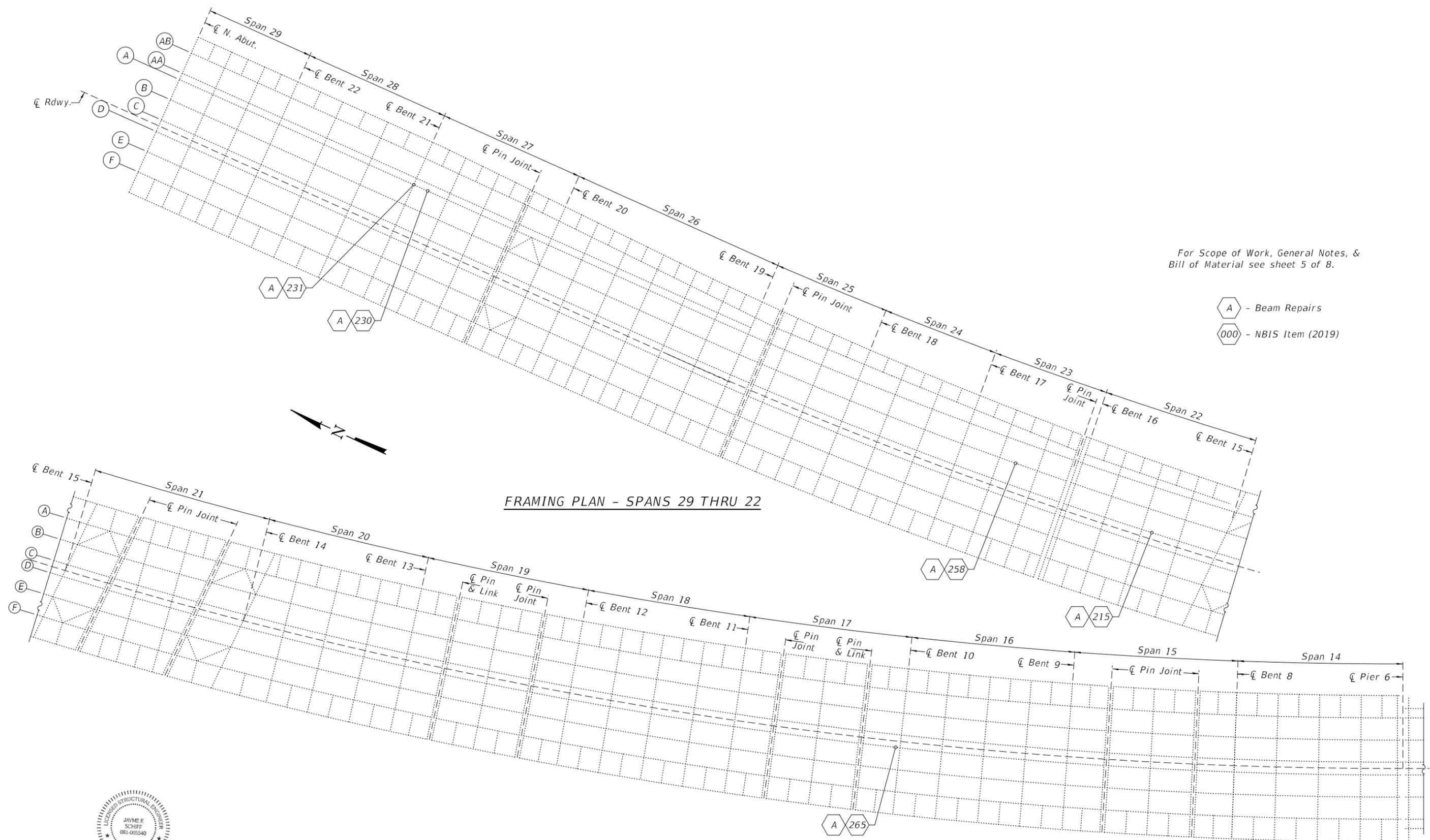
SCALE SHEET OF SHEETS ST A. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	13A
CONTRACT NO. 64N71				



For Scope of Work, General Notes, & Bill of Material see sheet 5 of 8.

-  - Beam Repairs
-  - NBIS Item (2019)



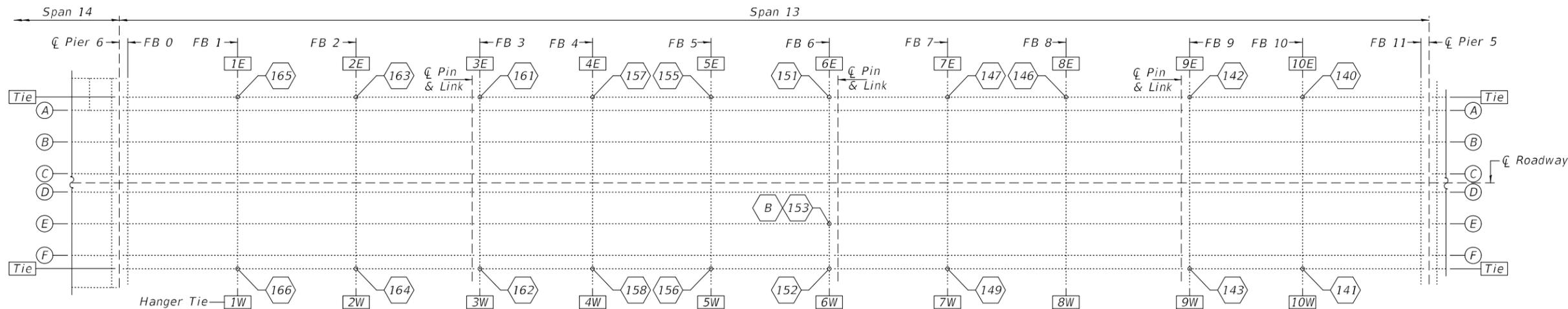
**FRAMING PLAN - SPANS 29 THRU 22**

**FRAMING PLAN SPAN 21 THROUGH 14**

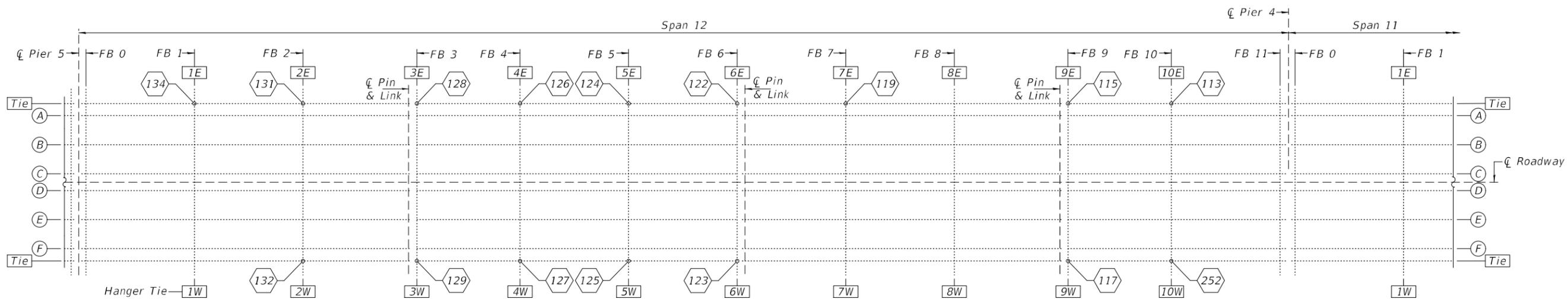


Expires: November 30, 2022  
Seal applies to sheets 14 thru 20A of 37 only.

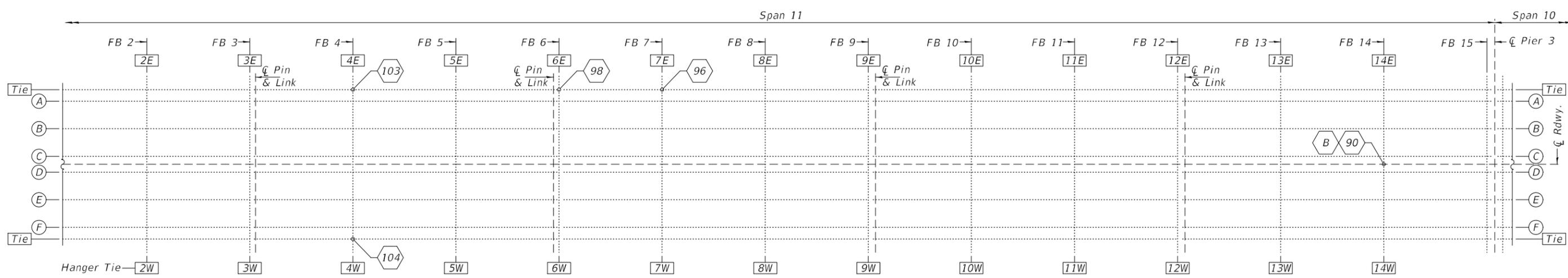
DESIGNED - JEFFREY S. BURKE	EXAMINED - <i>Twig A. Holt</i> ENGINEER OF STRUCTURAL SERVICES	DATE - MARCH 25, 2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FRAMING PLAN - SPANS 29 THRU 14 U.S. ROUTE 67 OVER THE MISSISSIPPI RIVER SN 081-9905 - CENTENNIAL BRIDGE</b>	F.A.P. RTE. 308	SECTION (3BR) BRR-1	COUNTY ROCK ISLAND	TOTAL SHEETS 37	SHEET NO. 14	
CHECKED - CHI-CHEUNG CHAU	PASSED - <i>Jayme F. Schiff</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			CONTRACT NO. 64N71		ILLINOIS FED. AID PROJECT			
DRAWN - STEFFEN		REVISED -			SHEET NO. 1 OF 8 SHEETS					
CHECKED - JSB CCC										



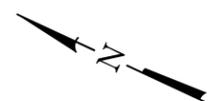
FRAMING PLAN - SPAN 13



FRAMING PLAN - SPANS 12 & 11



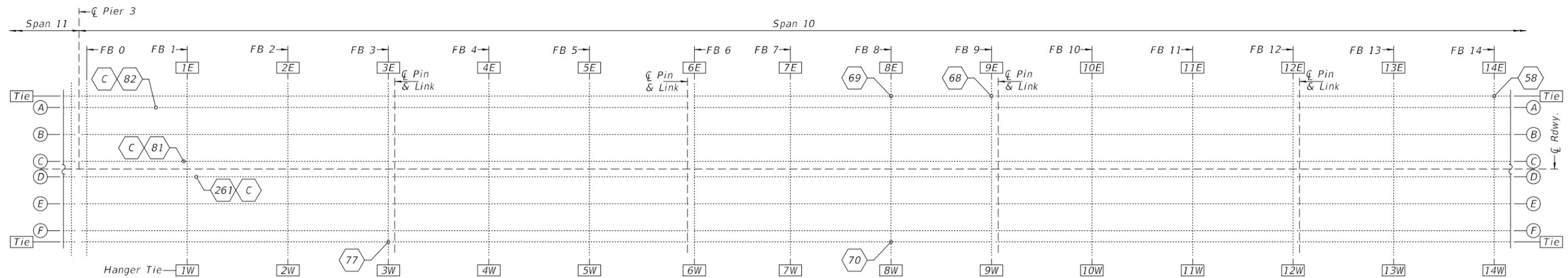
FRAMING PLAN - SPAN 11



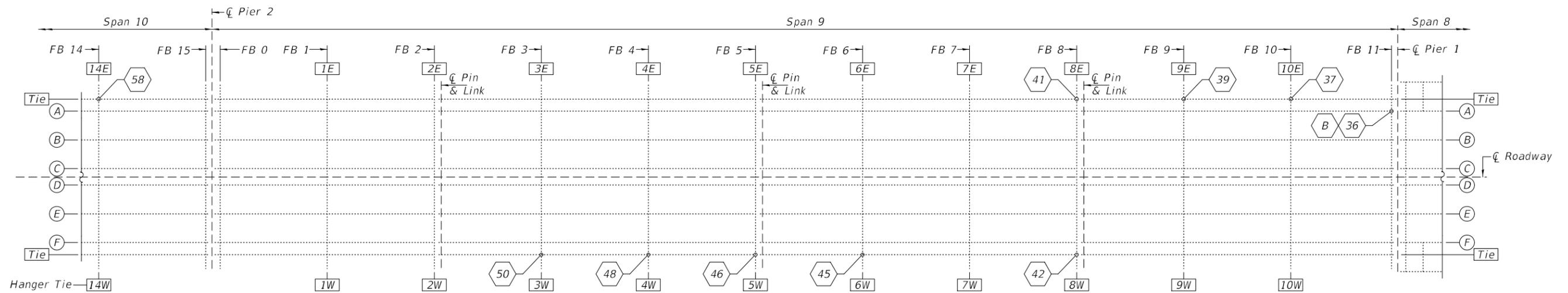
- B - Floor Beam Repairs
- 000 - Hanger Repair / NBIS Item (2019)

For Scope of Work, General Notes, & Bill of Material see sheet 5 of 8.

DESIGNED - JSB	EXAMINED - <i>Timothy A. [Signature]</i>	DATE - MARCH 25, 2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FRAMING PLAN - ARCH SPANS 13 THRU 11 SN 081-9905</b>	F.A.P. RTE. 308	SECTION (3BR) BRR-1	COUNTY ROCK ISLAND	TOTAL SHEETS 37	SHEET NO. 15	
CHECKED - CCC	PASSED - <i>James F. [Signature]</i>	REVISED -			CONTRACT NO. 64N71					
DRAWN - STEFFEN	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			SHEET NO. 2 OF 8 SHEETS					
CHECKED - JSB CCC					ILLINOIS FED. AID PROJECT					



FRAMING PLAN - SPAN 10



FRAMING PLAN - SPANS 10 & 9

-  - Floor Beam Repairs
-  - Stringer Repairs
-  - Hanger Repair / NBIS Item (2019)

For Scope of Work, General Notes, & Bill of Material see sheet 5 of 8.

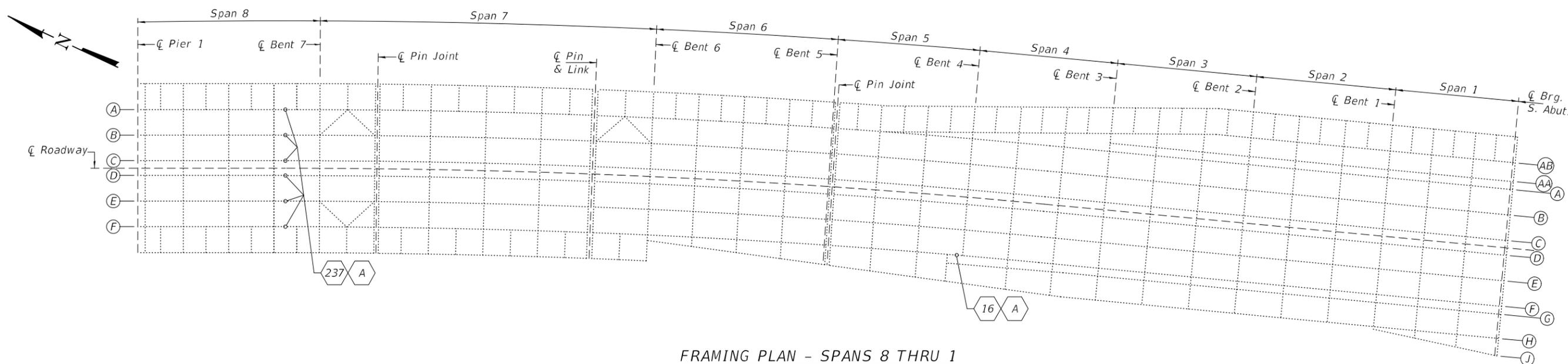
DESIGNED - JSB	EXAMINED - <i>Timothy A. [Signature]</i>	DATE - MARCH 25, 2022
CHECKED - CCC	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - STEFFEN	PASSED - <i>James F. [Signature]</i>	REVISED -
CHECKED - JSB CCC	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

FRAMING PLAN - ARCH SPANS 10 & 9  
SN 081-9905

SHEET NO. 3 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR) BRR-1	ROCK ISLAND	37	16
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				



FRAMING PLAN - SPANS 8 THRU 1

- A - Beam Repairs
- 000 - NBIS Item (2019)

For Scope of Work, General Notes, & Bill of Material see sheet 5 of 8.

DESIGNED - JSB	EXAMINED	DATE - MARCH 25, 2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FRAMING PLAN - SPANS 8 THRU 1 SN 081-9905</b>	F.A.P. RTE. 308	SECTION (3BR) BRR-1	COUNTY ROCK ISLAND	TOTAL SHEETS 37	SHEET NO. 17	
CHECKED - CCC	PASSED	REVISÉD -			CONTRACT NO. 64N71					
DRAWN - STEFFEN		REVISÉD -			SHEET NO. 4 OF 8 SHEETS					
CHECKED - JSB CCC		ILLINOIS FED. AID PROJECT								

**GENERAL NOTES**

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.  
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Fasteners shall be high strength bolts. Bolts 7/8"Ø, open holes 15/16"Ø, unless otherwise noted.

Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Structural Steel Repair.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the special provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Cleaning & painting of all connections shall meet the requirements for Primary Connections as specified in the special provision for "Cleaning and Painting Contact Surface Areas of Existing Steel Structures" unless otherwise noted.

The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior and exterior steel surfaces shall be Gray, Munsell No. 5B 7/1.

\* Quantities of bolts required to fill the holes are estimated. Cost of any additional bolts required shall be included with Structural Steel Repair.

**HANGER REPAIR LOCATIONS**

For Details see sheet 6 of 8.

ITEM	SPAN	HANGER	ITEM	SPAN	HANGER		
37	9	10E	126	12	4E		
39		9E	127		4W		
41		8E	128		3E		
42		8W	129		3W		
45		6W	131		2E		
46		5W	132		2W		
48		4W	134		1E		
50		3W	140		10E		
58		10	14E		141	13	10W
68			9E		142		9E
69	8E		143	9W			
70	8W		146	8E			
77	3W		147	7E			
96	11	7E	149	13	7W		
98		6E	151		6E		
103		4E	152		6W		
104	12	4W	155	13	5E		
113		10E	156		5W		
252		10W	157		4E		
115		9E	158		4W		
117		9W	161		3E		
119		7E	162		3W		
122		6E	163		2E		
123		6W	164		2W		
124		5E	165		1E		
125		5W	166		1W		

**REPAIR "A" - BEAM REPAIR LOCATIONS**

ITEM	SPAN	MEMBER	LOCATION	DEFICIENCY	SHEET
16	5	Beam F	1' & 6' from B4	* S.L.; Abandoned Holes. 20 bolts req'd.	-
237	8	Beam A-F	Between 1st & 2nd sdwk. bracket from B7	* S.L.; Multiple Holes. 3 bolts req'd.	-
265	17	Beam D	6' from B10	Section Loss	7
215	22	Beam C	Full Length except at Brg.	Section Loss; Bottom Flange	7
258	23	Beam B	Near Mid-Span	Section Loss; 2-1 1/2" x 8" Notches	7
230	27	Beam A	6' to 30' from B21	* S.L.; Abandoned Holes. 8 bolts req'd.	-
231	28	Beam A	at B21	* S.L.; Misdrilled holes. 4 bolts req'd.	-

**REPAIR "B" - FLOOR BEAM REPAIR LOCATIONS**

ITEM	SPAN	MEMBER	LOCATION	DEFICIENCY	SHEET
36	9	F.B. 11	Stiffener at Str. A, Pan. 11	* 1" Hole w/ 10" crack; 2-1" Holes. 3 bolts req'd.	-
90	11	F.B. 14	Btwn. Stringers C & D	* Missing Bolts on Bott. Cover Pl. 3 bolts req'd.	-
153	13	F.B. 6	at Stringer E, 30' length	Section Loss; Bottom Flange	8

**REPAIR "C" - STRINGER REPAIR LOCATIONS**

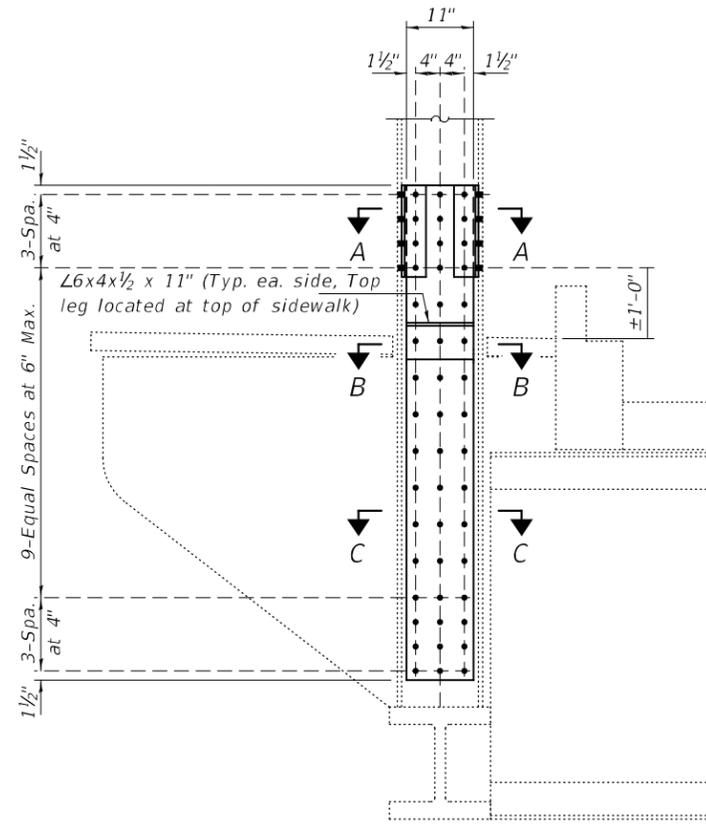
ITEM	SPAN	MEMBER	LOCATION	DEFICIENCY	SHEET
261	10	Stringer D	FB1 to 1st Purlin, Pan. 1	Section Loss	8
81		Stringer C	Last 9' from FB1	Section Loss, Top Flange	8
82		Stringer A	Btwn. Purlins 1-2 & 3-4, S. of FB0	* S.L.; Misdrilled holes. 2 bolts req'd.	-

**TOTAL BILL OF MATERIAL**

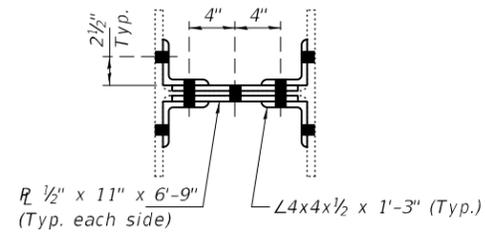
ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	27200
* Steel Bearing Assembly	Each	2
* Remove Structural Steel Support for Overhead Sign Structure - Monotube	Each	2
* Structural Steel Support for Overhead Sign Structure - Monotube	Each	2
* Structural Repair of Concrete (Special)	Sq. Ft.	28.5
* Jacking and Cribbing (Special)	L. Sum	1.0

\* For details see sheets 21 thru 27 of 37.

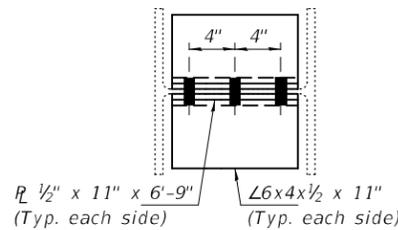
DESIGNED - JSB	EXAMINED	DATE - MARCH 25, 2022	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCOPE OF WORK, GENERAL NOTES & BILL OF MATERIAL SN 081-9905	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - CCC	PASSED	REVISER -			308	(3BR) BRR-1	ROCK ISLAND	37	18	
DRAWN - STEFFEN	REVISER -				CONTRACT NO. 64N71					
CHECKED - JSB CCC					ILLINOIS FED. AID PROJECT					



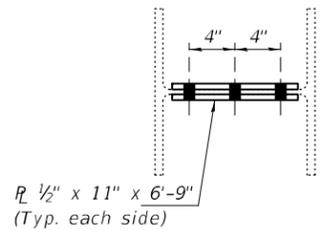
**HANGER REPAIR DETAIL**  
 (See Table sheet 5 of 8 for Locations.)  
 (51-Required)



**SECTION A-A**



**SECTION B-B**



**SECTION C-C**

DESIGNED - JSB  
 CHECKED - CCC  
 DRAWN - STEFFEN  
 CHECKED - JSB CCC

EXAMINED  
 PASSED  
 ENGINEER OF STRUCTURAL SERVICES  
 ENGINEER OF BRIDGES AND STRUCTURES

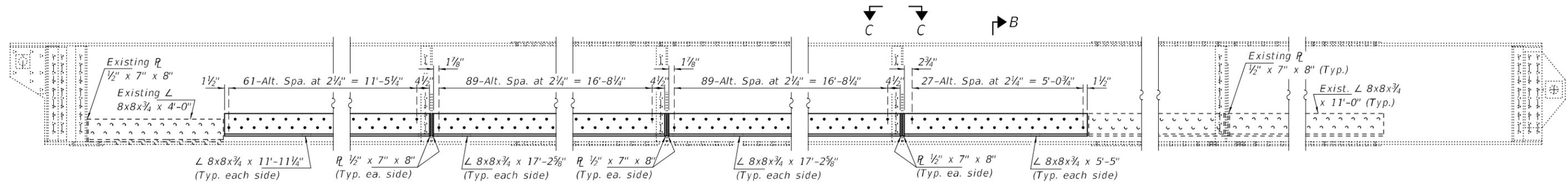
DATE - MARCH 25, 2022  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

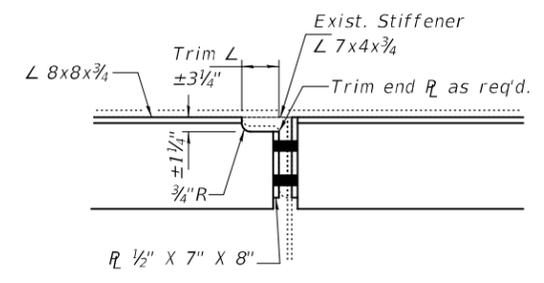
**HANGER REPAIR DETAILS**  
**SN 081-9905**

SHEET NO. 6 OF 8 SHEETS

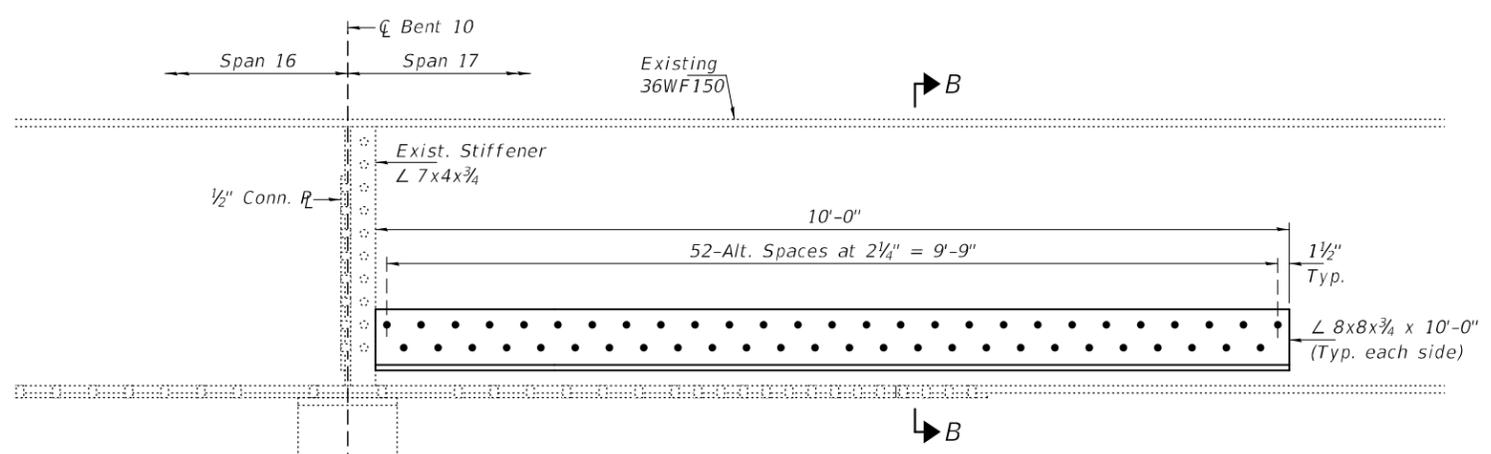
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR) BRR-1	ROCK ISLAND	37	19
CONTRACT NO. 64N71				
ILLINOIS		FED. AID PROJECT		



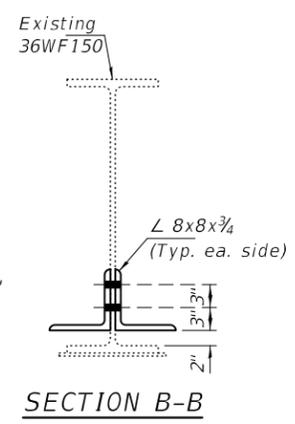
ITEM 215  
SPAN 22; BEAM "C"



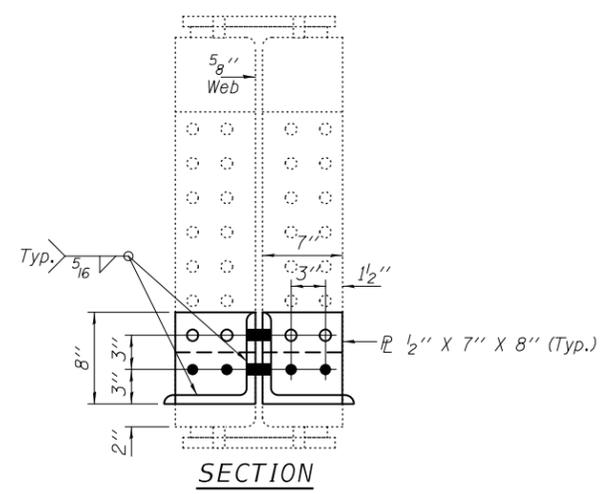
VIEW C-C  
(Typ. at each stiffener, top flange not shown for clarity.)



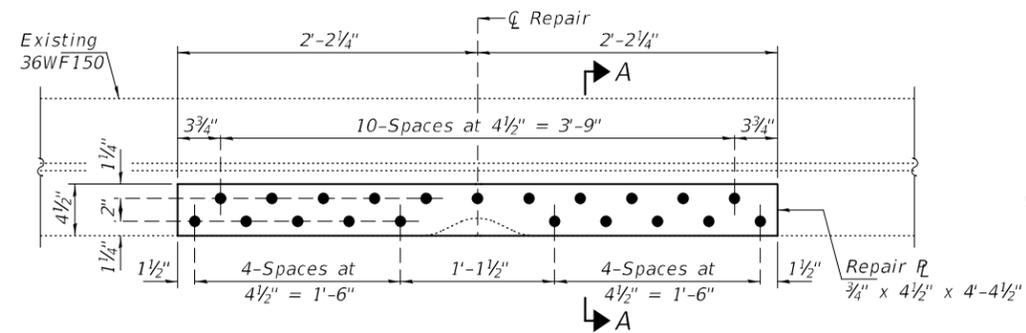
ITEM 265  
SPAN 17; BEAM "D"  
(Looking West)



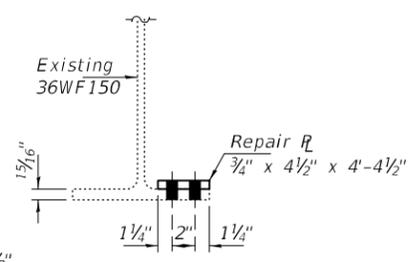
SECTION B-B



SECTION

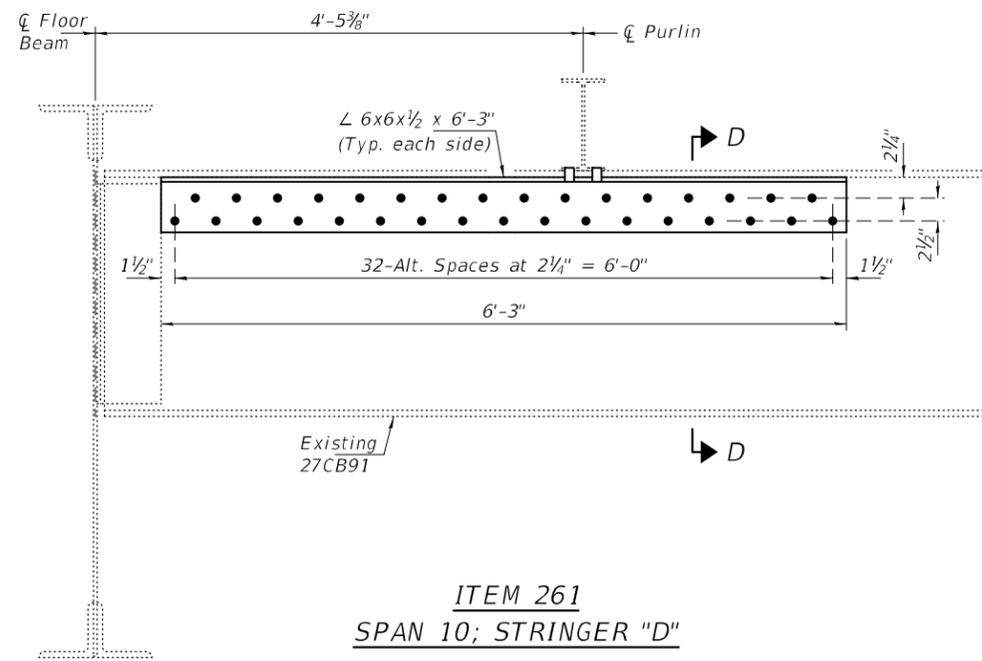


ITEM 258  
SPAN 23; BEAM "B"

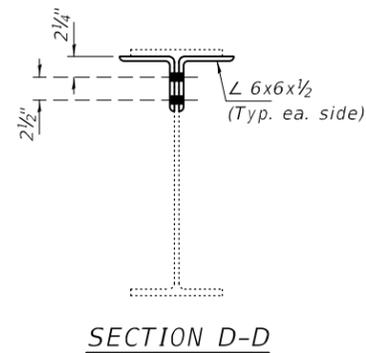


SECTION A-A

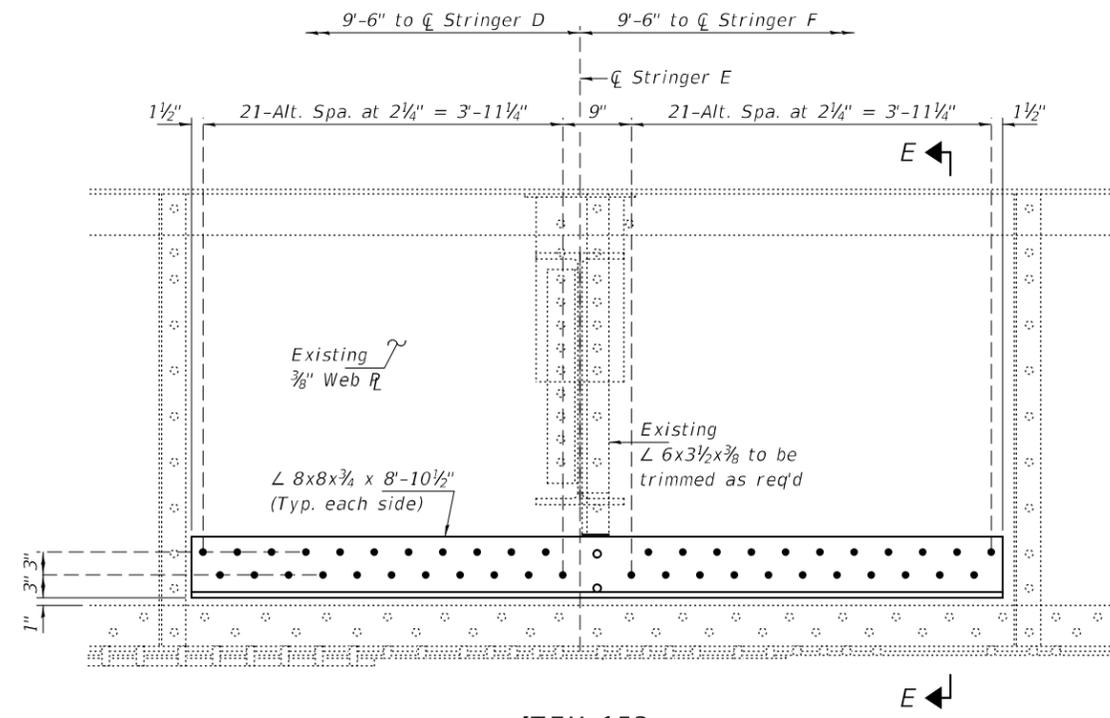
DESIGNED - JSB	EXAMINED - <i>Timothy A. Smith</i> ENGINEER OF STRUCTURAL SERVICES	DATE - MARCH 25, 2022	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REPAIR DETAILS SN 081-9905</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED - CCC	PASSED - <i>James F. Smith</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -			308	(3BR) BRR-1	ROCK ISLAND	37	20	
DRAWN - STEFFEN		REVISED -			CONTRACT NO. 64N71					
CHECKED - JSB CCC					SHEET NO. 7 OF 8 SHEETS					
				ILLINOIS FED. AID PROJECT						



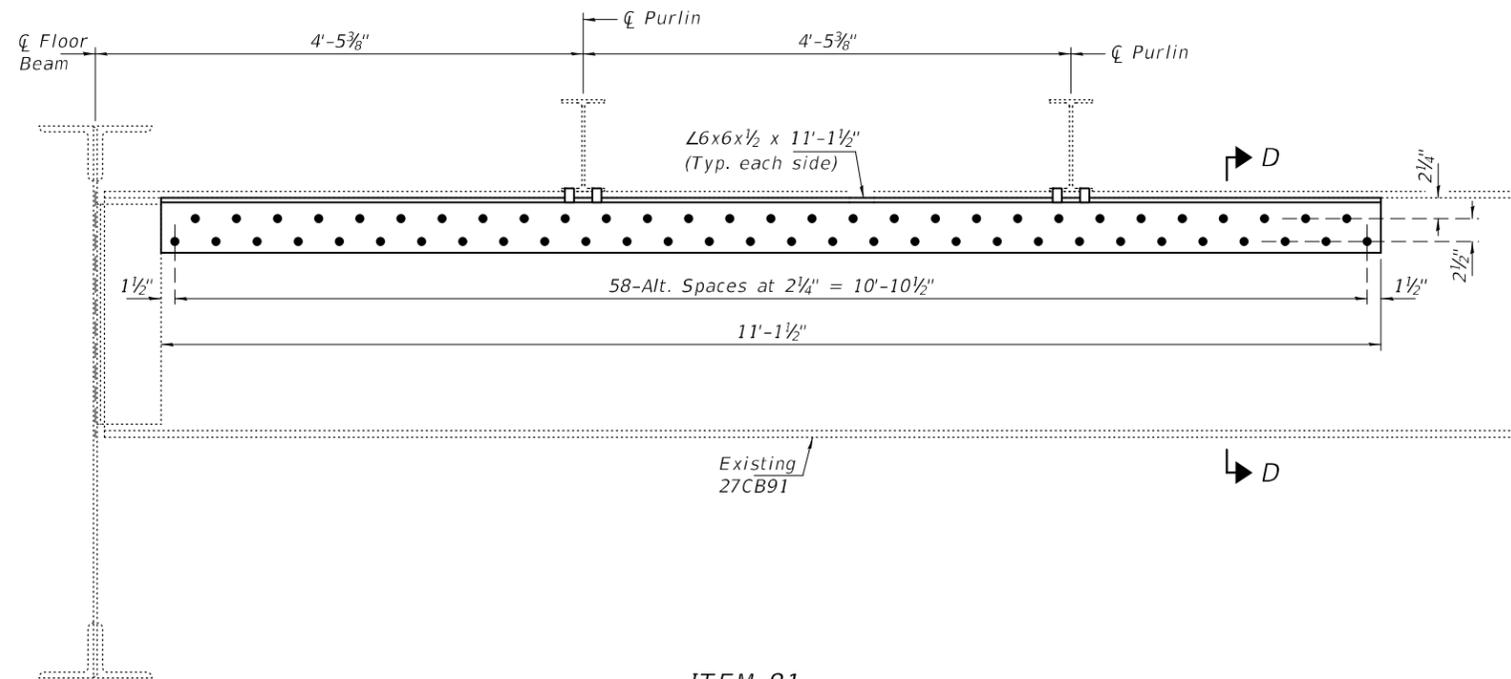
ITEM 261  
SPAN 10; STRINGER "D"



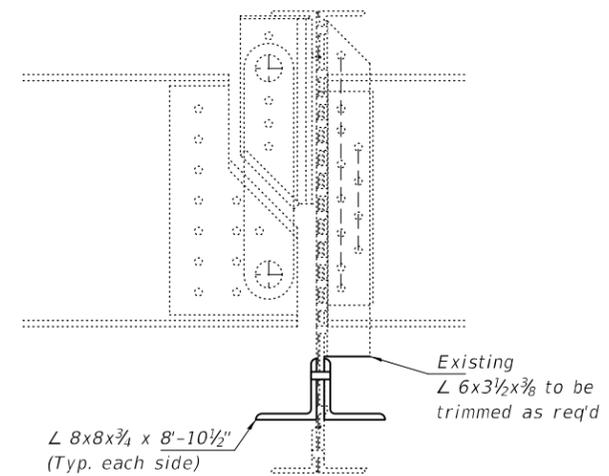
SECTION D-D



ITEM 153  
SPAN 13; STRINGER "E"



ITEM 81  
SPAN 10; STRINGER "C"



SECTION E-E

DESIGNED - JSB  
CHECKED - CCC  
DRAWN - STEFFEN  
CHECKED - JSB CCC

EXAMINED  
PASSED  
TIMOTHY A. [Signature]  
ENGINEER OF STRUCTURAL SERVICES  
JAYME F. [Signature]  
ENGINEER OF BRIDGES AND STRUCTURES

DATE - MARCH 25, 2022  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REPAIR DETAILS  
SN 081-9905

SHEET NO. 8 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR) BRR-1	ROCK ISLAND	37	20A
CONTRACT NO. 64N71				
ILLINOIS		FED. AID PROJECT		

**INDEX OF SHEETS**

1. General Plan and Elevation
2. Jacking and Cribbing Details
3. Replacement Bearing Details
4. Concrete Repair Details
5. Sign Pole Replacement Details
- 6-7. Existing Plans (For Information Only)

**SCOPE OF WORK**

1. Perform concrete repair at Pier 2.
2. Replace existing expansion bearings at Pier 2.
3. Replace west sign pole in Spans 7 and 16.

**NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
3. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
4. See Roadway Plans for traffic staging details.

**DESIGN SPECIFICATIONS**

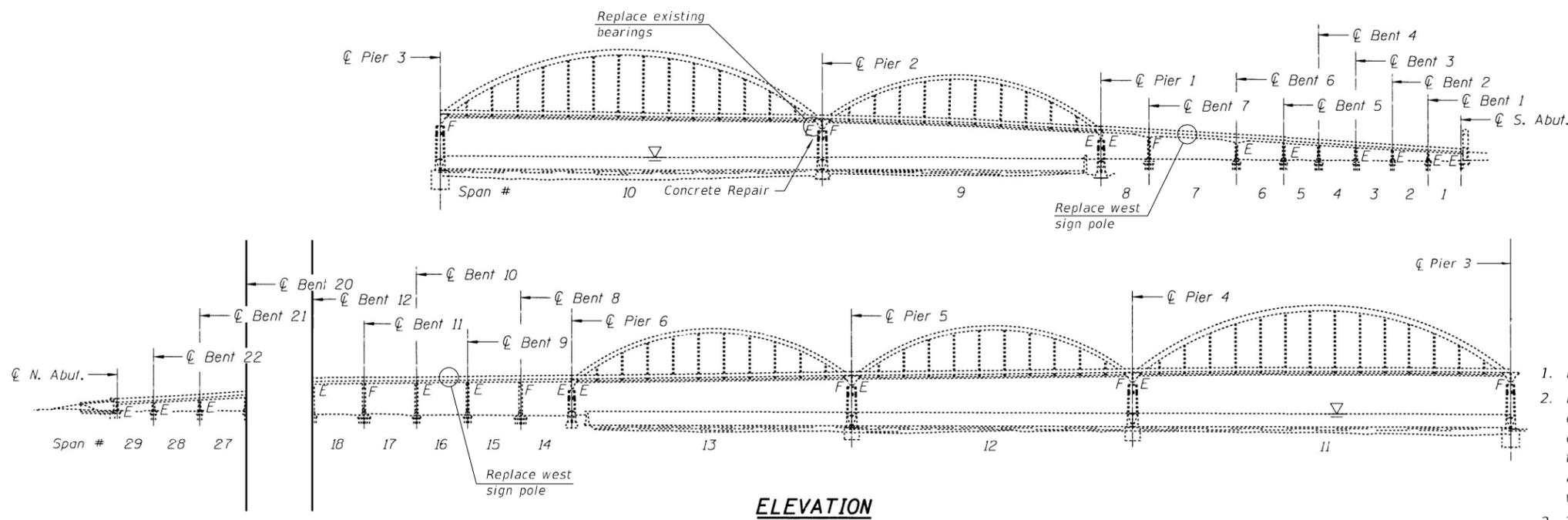
2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition.



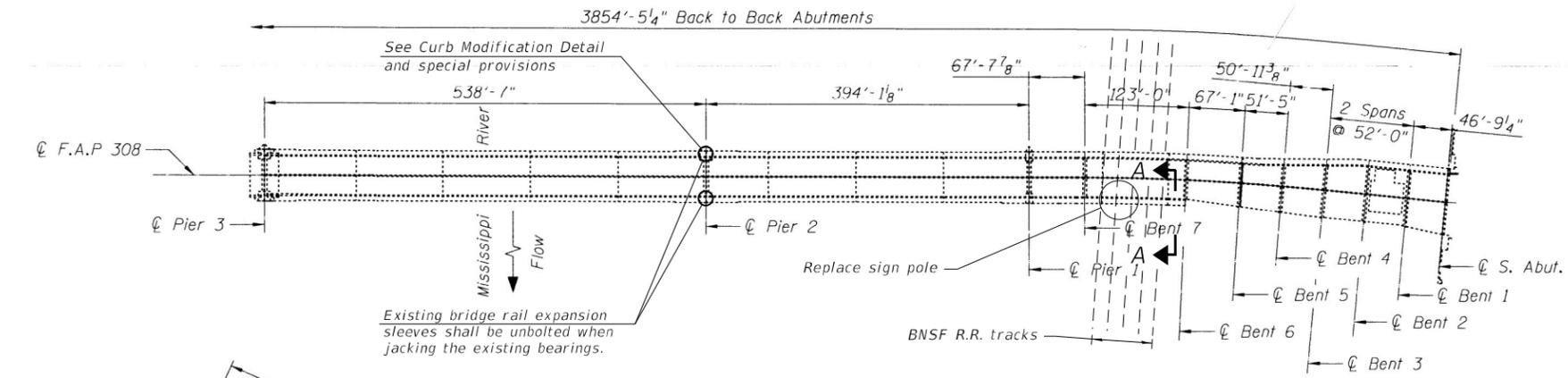
*CH E*  
3-25-22

Expires: 11/30/2022

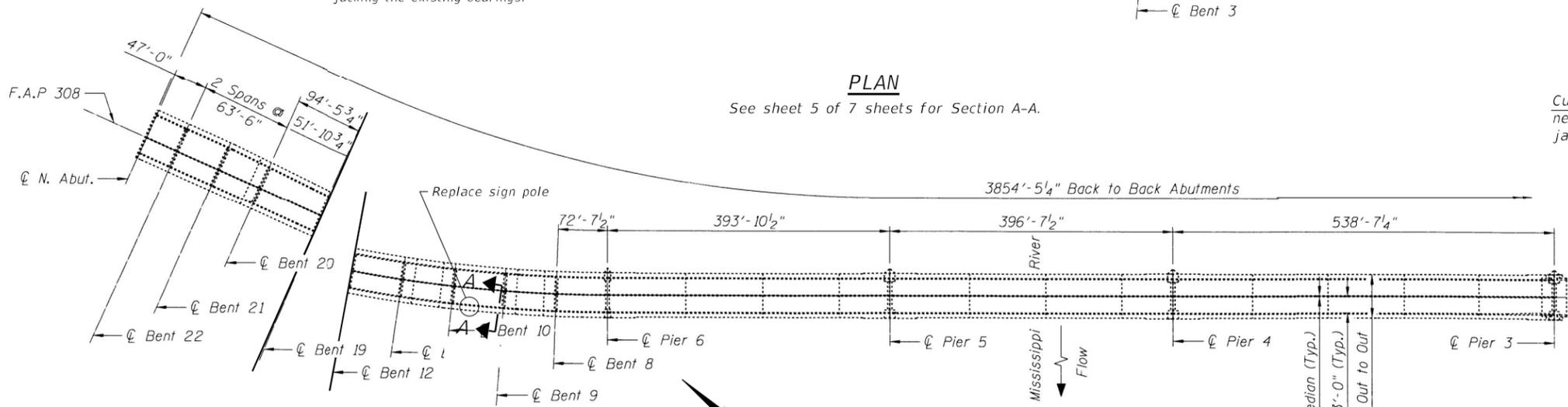
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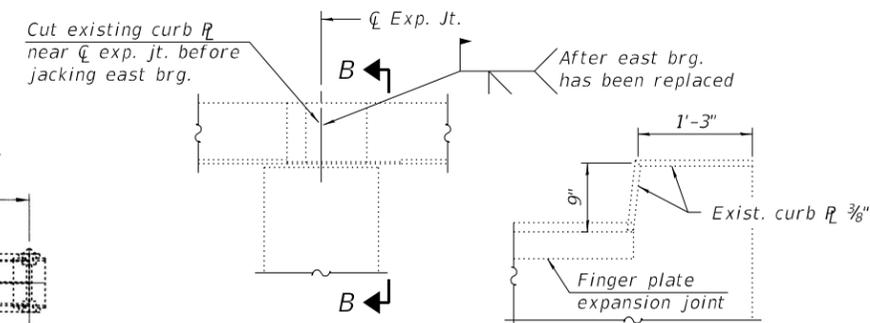
**ELEVATION**



**PLAN**



**PLAN**



**CURB MODIFICATION DETAIL**

**SECTION B-B**

(Showing plan view)  
**BILL OF MATERIAL**  
(For bearing and monotube replacement work)

Item	Unit	Super	Sub	Total
Steel Bearing Assembly	Each	2		2
Remove Structural Steel Support for Overhead Sign Structure - Monotube	Each	2		2
Structural Steel Support for Overhead Sign Structure - Monotube	Each	2		2
Structural Repair of Concrete (Special)	Sq. Ft.		28.5	28.5
Jacking and Cribbing (Special)	L. Sum	1.0		1.0

FILE NAME: C:\SP\WHKS & COLABS-SPRING - Projects\DOT BBS\0353 BBS Various Various\0353.03 Centennial Repairs - Pn IICADD\CAD\_Sheets\0819905-205204.dgn



USER NAME = dtheberling	DESIGNED - CEH	REVISED -
PLOT DATE = 3/25/2022	CHECKED - MJR	REVISED -
PLOT DATE = 11:10:13 AM	DRAWN - DLH	REVISED -
	CHECKED - CEH/MJR	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION**  
**STRUCTURE NO. 081-9905**  
SHEET 1 OF 7 SHEETS

F.A.P. RTE. 308	SECTION (3B) BRR-1	COUNTY ROCK ISLAND	TOTAL SHEETS 37	SHEET NO. 21
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

**JACKING AND CRIBBING GENERAL SEQUENCE**

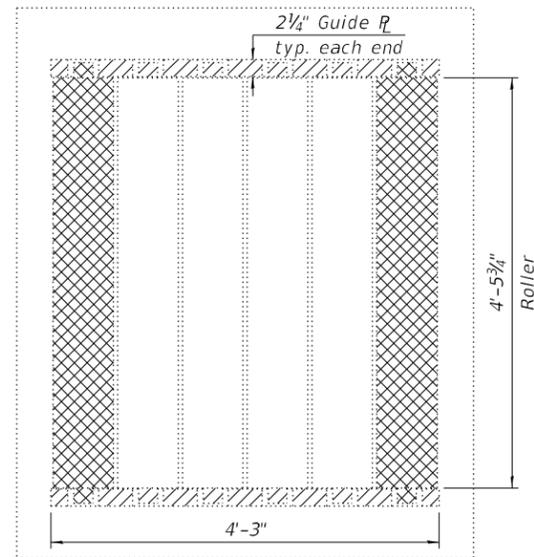
(See special provision for detailed sequence description.)

1. Remove vermin wire mesh screens and clean away debris at the locations shown. Clean and inspect the condition of the interior region of the lower steel casting to check for section loss or pitting exceeding a 1/4" in depth.
2. Remove portions of the existing guide plates so that the guide plates are flush with the exposed horizontal surfaces of the existing chrome steel plates. Remove portions of the existing roller teeth immediately adjacent to existing chrome steel plates.
3. Remove the two exterior rollers.
4. Install instrumentation, hydraulic jacks and lift the bridge.
5. Remove remaining rollers.
6. Install new top and bottom bearing plates as shown in the details on sheet 3 of 7.
7. Release and remove hydraulic jacks.
8. Complete installation of the proposed bearing.

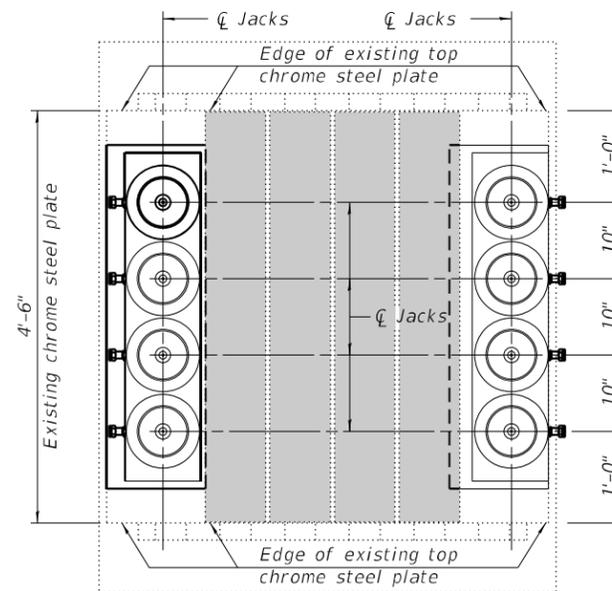
Notes:

1. See Jacking and Cribbing special provision for additional information.
2. See sheet 3 of 7 for steps 6 thru 8.

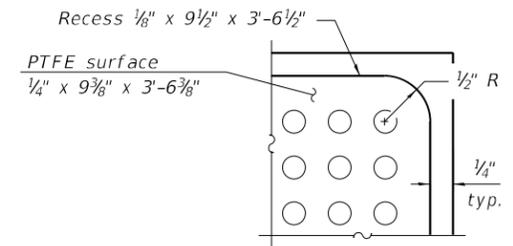
- LEGEND**
- Step 2 steel removal
  - Step 3 steel removal
  - Step 5 steel removal



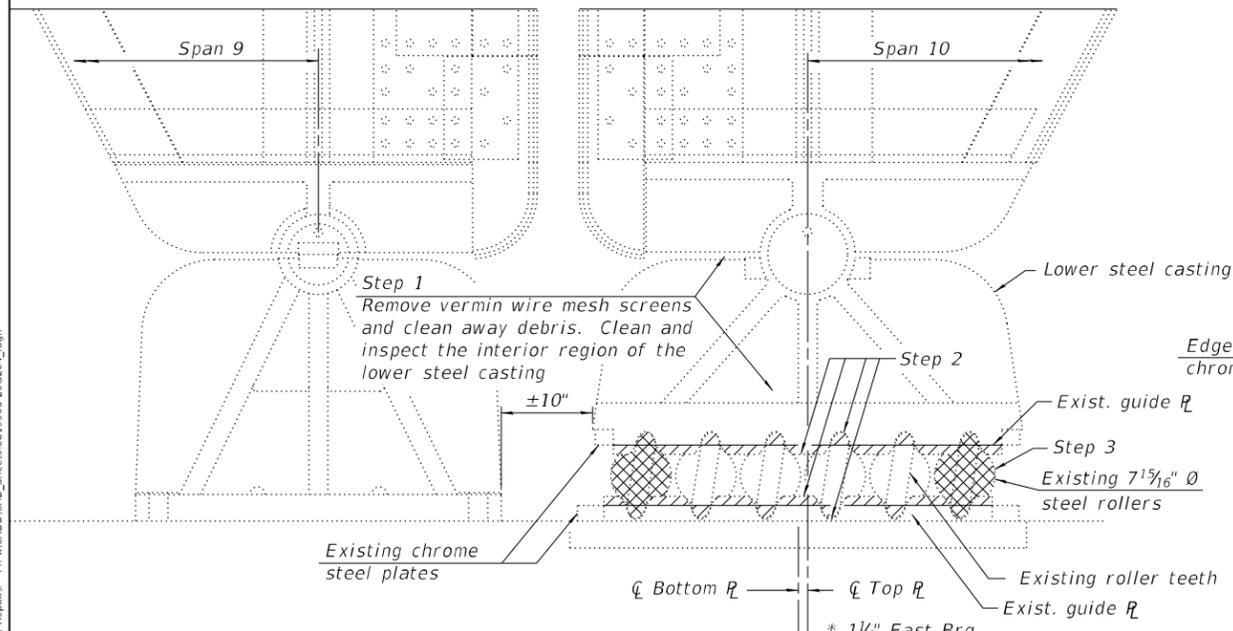
**PLAN**  
(Lower steel casting not shown.)



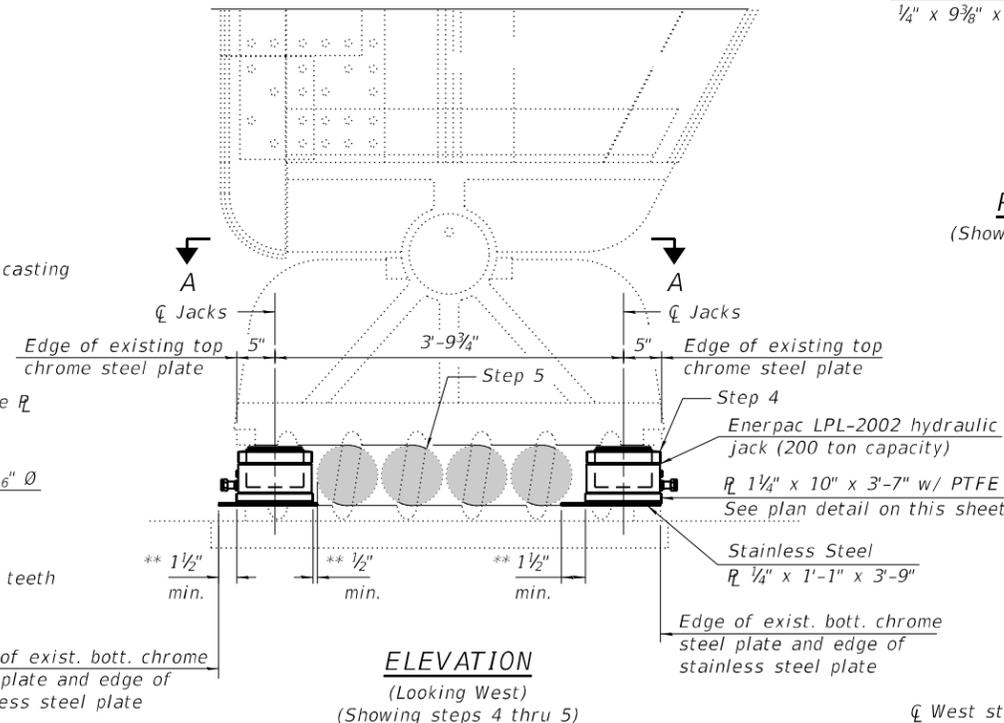
**PLAN**  
(Lower steel casting not shown.)



**PLAN - PTFE SURFACE**  
(Showing the bottom surface of the 1/4" R)



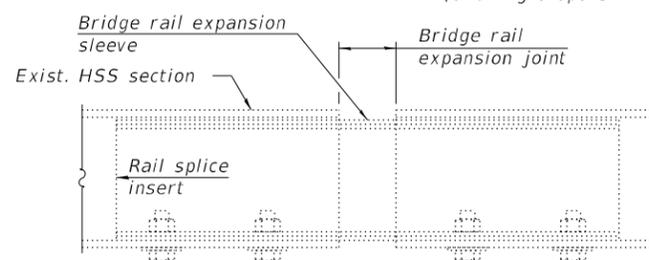
**ELEVATION**  
(Looking West)  
(Showing steps 1 thru 3)



**ELEVATION**  
(Looking West)  
(Showing steps 4 thru 5)

**BILL OF MATERIAL**

Item	Unit	Total
Jacking and Cribbing (Special)	L. Sum	1.0



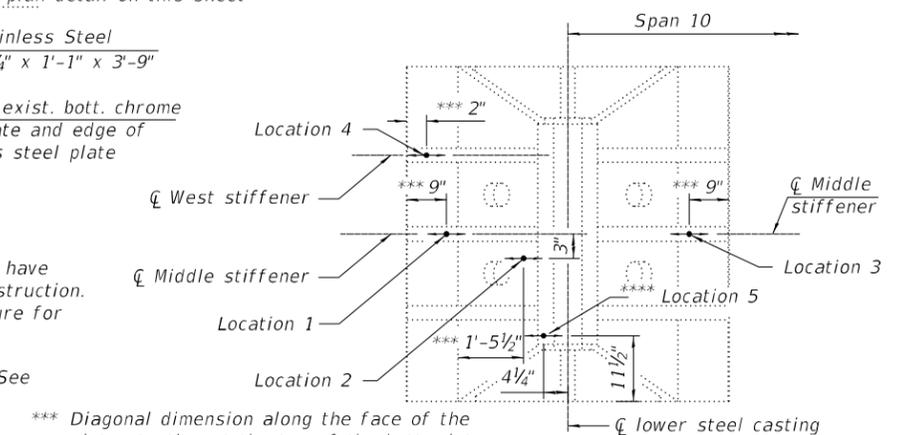
**RAIL SPLICE ELEVATION**  
(2 rail splices adjacent to each bearing.)

**Rail Splice Notes:**

1. The existing bridge rail expansion sleeve (2 per side of bridge) shall be unbolted and slid to one side to avoid binding during jacking. This shall be done prior to applying jacking load to the adjacent bearing.
2. After the adjacent bearing is replaced and prior to opening the adjacent lane to traffic, adjust the position of the existing bridge rail expansion sleeve and reinstall the existing bolts. Bolts shall be tightened only to a point that will allow railing movement.

\* Alignment offset measured during an October 2021 field inspection. Drawings have been prepared assuming the alignment will be similar at the beginning of construction. Actual alignment may vary during construction and may change with temperature for properly functioning bearings. See special provisions for further discussion.

\*\* Minimum expected clearances when setting the jacking components in place. See special provisions for further discussion.



**VIEW A-A**  
(Showing centroid of strain gauge locations on the lower steel casting.)

FILE NAME: C:\SP\WHKS & COLLABS-SPRING - Projects\DOT BBS\0353 BBS Various Various\0353.03 Centennial Repairs - Ph II\CADD\CAD\_Sheets\081905-2105204.dgn



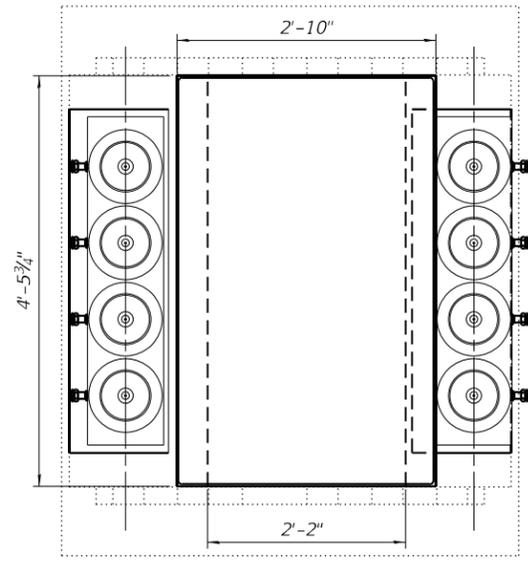
design firm no. 184001036	USER NAME = dheberling	DESIGNED - CEH	REVISED -
		CHECKED - MJR	REVISED -
	PLOT DATE = 3/25/2022	DRAWN - DLH	REVISED -
	PLOT DATE = 11:10:24 AM	CHECKED - CEH/MJR	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

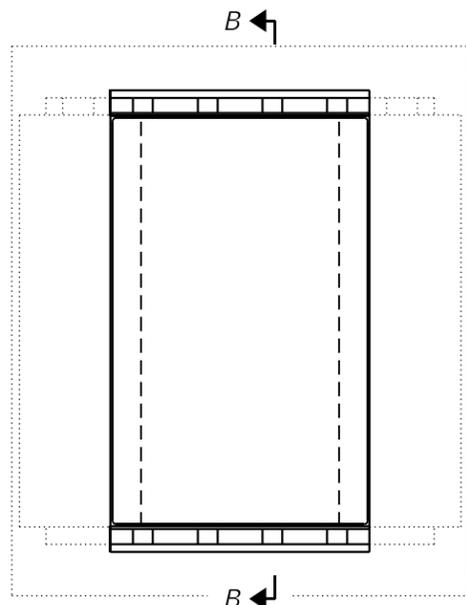
**JACKING AND CRIBBING DETAILS  
STRUCTURE NO. 081-9905**

SHEET 2 OF 7 SHEETS

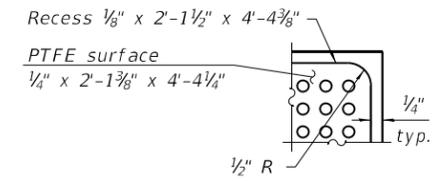
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3B) BRR-1	ROCK ISLAND	37	22
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				



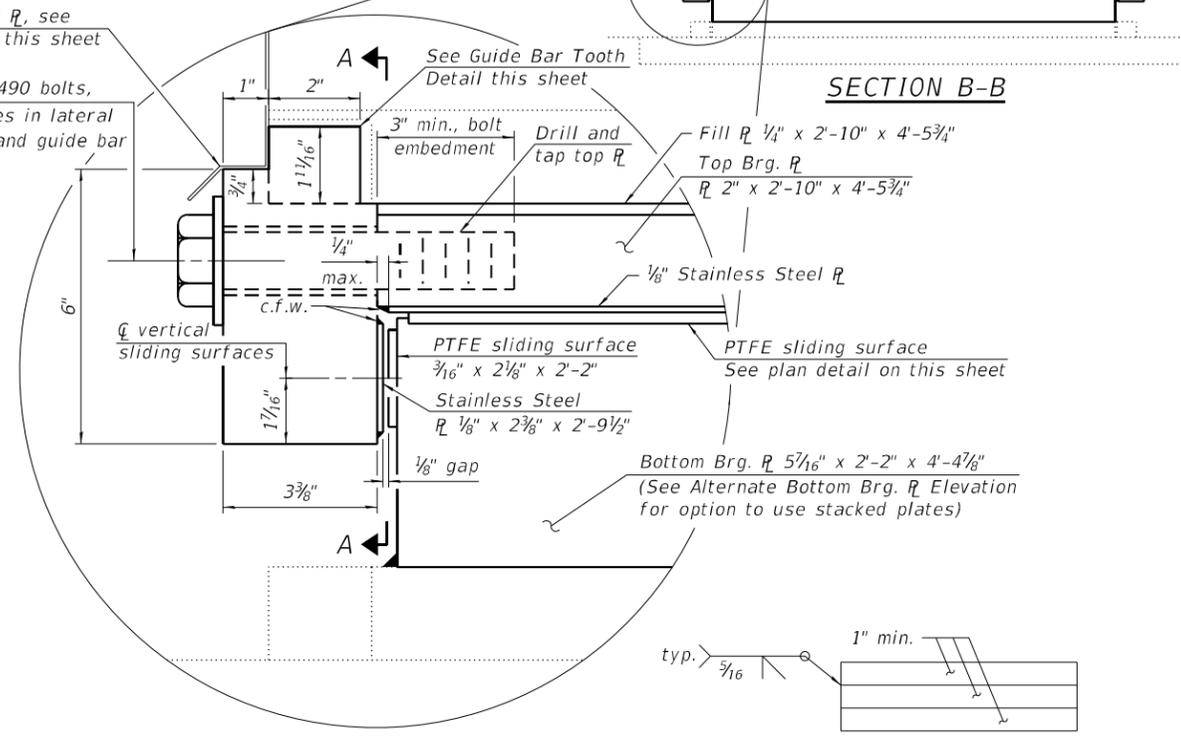
**PLAN**  
(Lower steel casting not shown.)



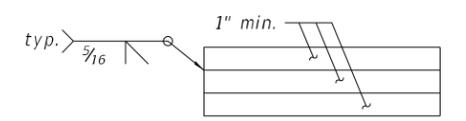
**PLAN**  
(Lower steel casting not shown.)



**PLAN - PTFE SURFACE**



**LATERAL RESTRAINT & GUIDE BAR DETAIL**



**ALTERNATE BOTTOM BEARING PLATE ELEVATION**

(The number of plates shown is conceptual and for illustration only. Vent holes shall be indicated on the shop drawings to prevent the all-around welds from creating confined spaces during galvanizing.)

**BEARING DESIGN DATA**

Design Vertical Load	=	2,100 kips
Design Horizontal Load	=	210 kips
*** Total Movement	=	3.0 in.

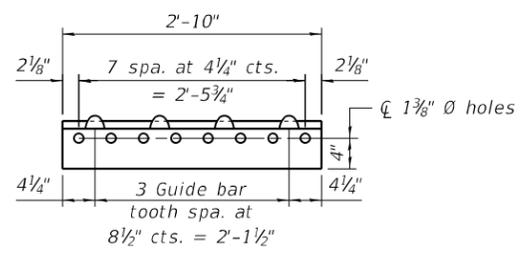
\*\*\* Total movement is based on one way expansion (or contraction) of the superstructure along the centerline of the arch when bearings are set at 50° F. Bearing movement tolerances are excluded.

**Notes:**

- Bearing design data is for the new bearing components.
- See Sheet 2 of 7 and the special provisions for description of bearing replacement steps.
- See Steel Bearing Assembly special provision for additional information.

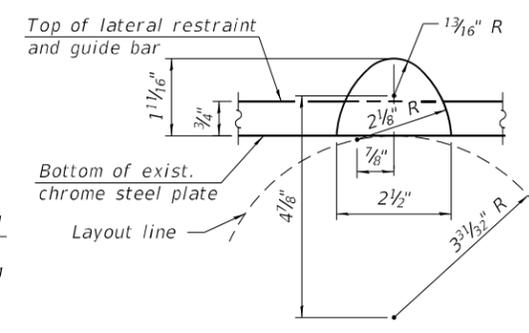
**BILL OF MATERIAL**

Item	Unit	Total
Steel Bearing Assembly	Each	2

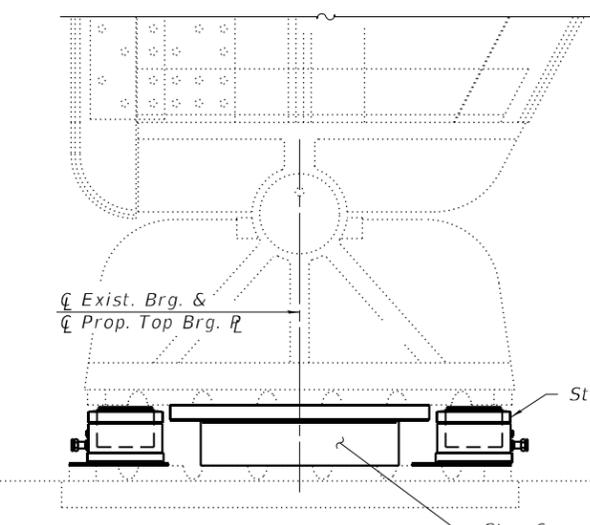


**SECTION A-A**

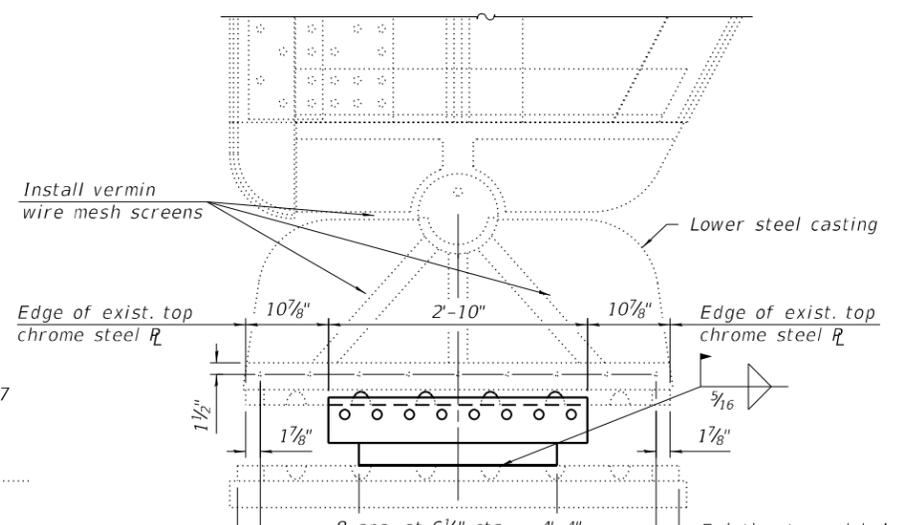
(Showing lateral restraint and guide bar. See Section B-B for additional details.) (Stainless steel plate not shown.)



**GUIDE BAR TOOTH DETAIL**

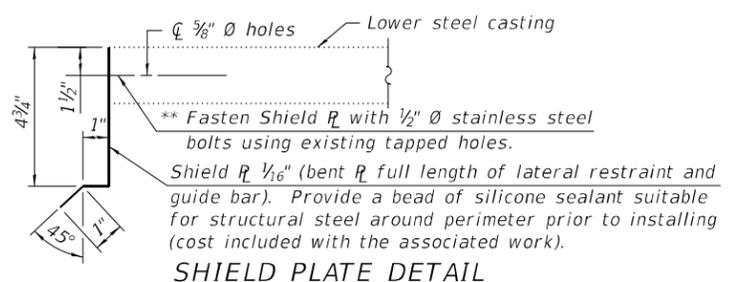


**ELEVATION**  
(Looking West)  
(Showing steps 6 thru 7)



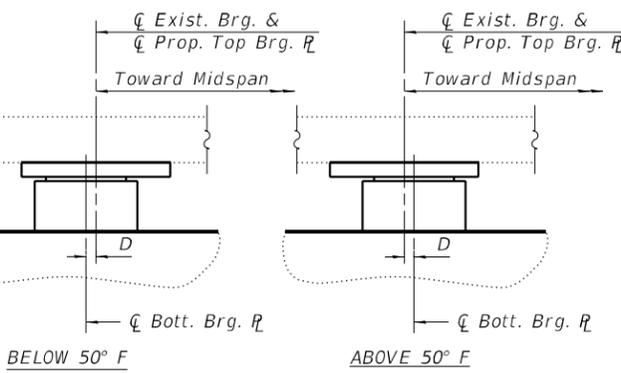
**ELEVATION**  
(Looking West) (Showing Step 8)  
(Shield flange not shown)

\* Dimensions may need to be adjusted to correctly position the bottom bearing plate relative to the top bearing plate. See Expansion Bearing Orientation detail.



**SHIELD PLATE DETAIL**

\*\* The existing holes may need to be re-drilled and tapped. Cost included with Steel Bearing Assembly.



**EXPANSION BEARING ORIENTATION**

The above diagrams are for information purposes only to show the amount of expected offset "D" for the current temperature in the field.

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PLOT DATE = 3/25/2022	CHECKED - MJR	REVISED -
PLOT DATE = 11:10:25 AM	DRAWN - DLH	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

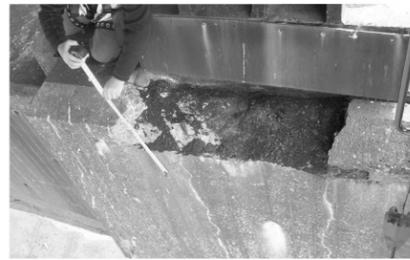
**REPLACEMENT BEARING DETAILS  
STRUCTURE NO. 081-9905**

SHEET 3 OF 7 SHEETS

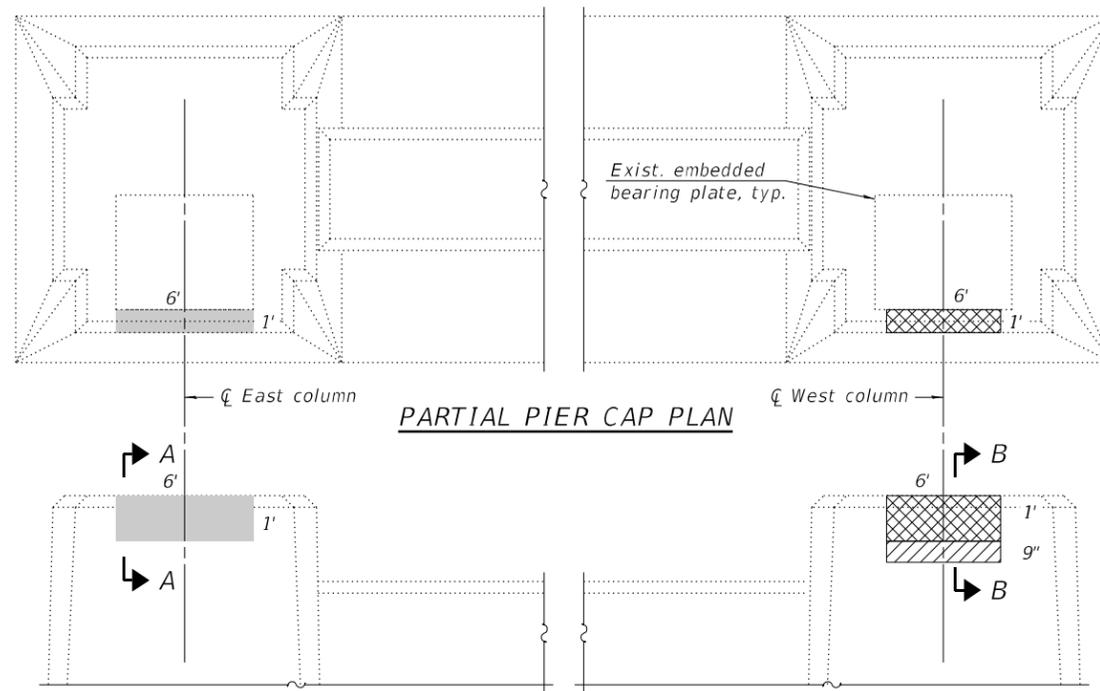
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308	(3B) BRR-1	ROCK ISLAND	37	23
CONTRACT NO. 64N71				
ILLINOIS		FED. AID PROJECT		



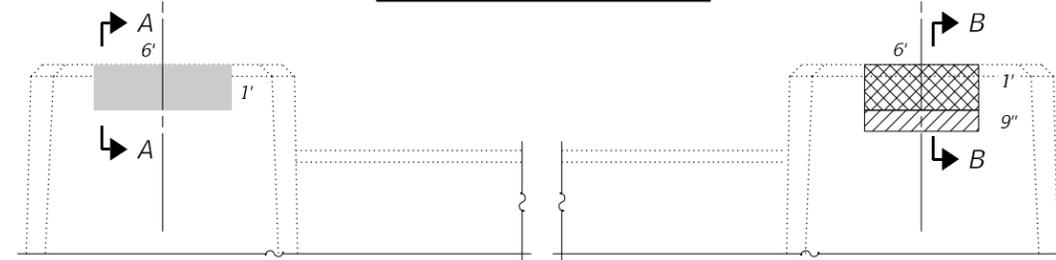
EAST COLUMN PHOTO



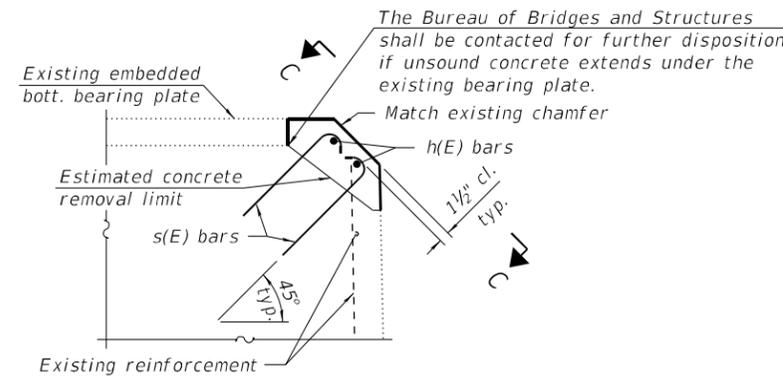
WEST COLUMN PHOTO



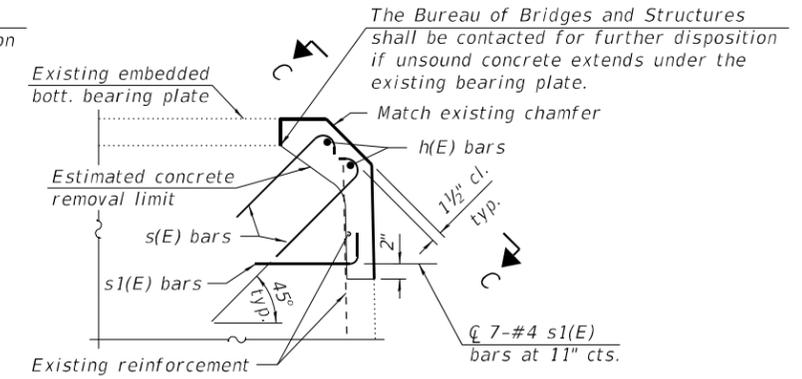
PARTIAL PIER CAP PLAN



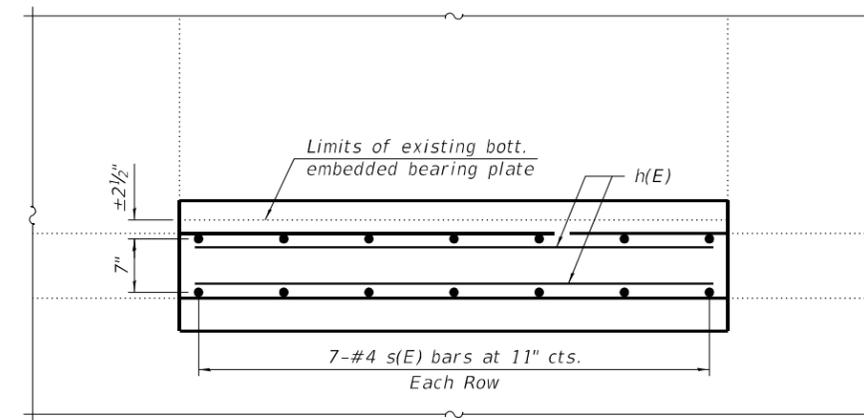
PARTIAL PIER 2 ELEVATION  
(Looking South)



SECTION A-A



SECTION B-B



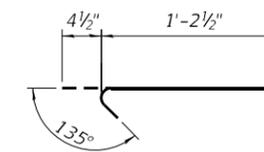
VIEW C-C  
(East column shown. West column similar.)

Notes:

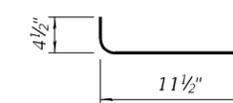
- The concrete repair limits shown are estimated. The Engineer shall field verify the repair limits during construction.
- The concrete area specified for the east column should be removed and replaced to the limits shown (at a minimum) to anchor the area during jacking and prevent an occurrence of the condition observed at the west column.
- The concrete repairs shall be completed prior to commencing jacking for the bearing replacement. The concrete repairs at both locations may be completed at the beginning of construction and do not have to be coordinated with stage construction traffic.
- Concrete removal shall be performed prior to ordering the reinforcement to ensure the reinforcement details shown are sufficient. The Bureau of Bridges and Structures shall be contacted for further disposition if the actual concrete removal limits exceed those shown.
- Hooked s(E) and s1(E) reinforcement bars shall be drilled and grouted in 9 in. minimum deep holes and according to Section 584 of the Standard Specifications.
- Fabricate s(E) and s1(E) bars with a 1 1/2" outside bend radius.

LEGEND

- Concrete to be replaced
- Delaminated concrete
- Spalled concrete



BAR s(E)



BAR s1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#4	5'-8"	—
s(E)	28	#4	1'-7"	—
s1(E)	7	#4	1'-4"	—
Structural Repair of Concrete (Special)			Sq. Ft.	28.5

FILE NAME: C:\SP\WHKS & COLLABS-Spring - Projects\DOT BBS\0353 BBS Various\Various\0353.03 Conteminal Repairs - Pn IICADD\CAD\_Sheets\01190520204.dgn



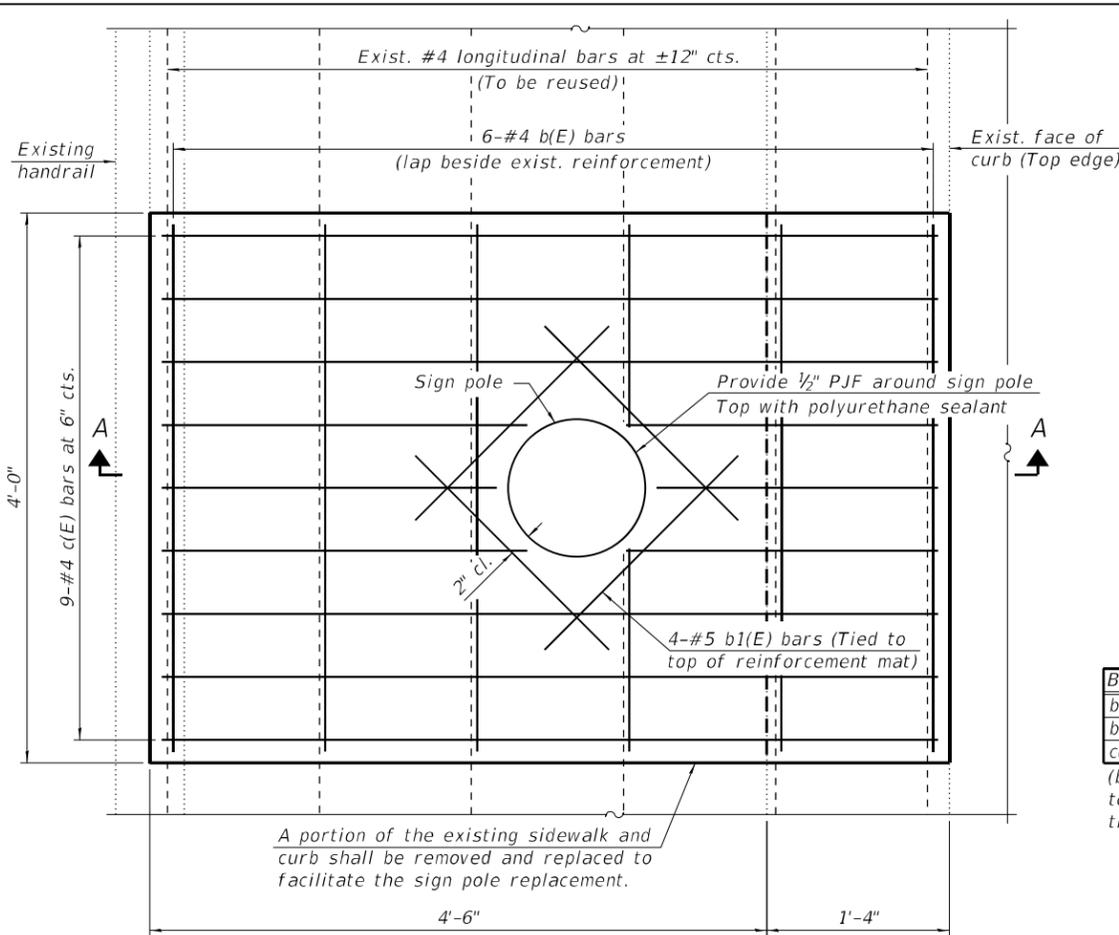
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

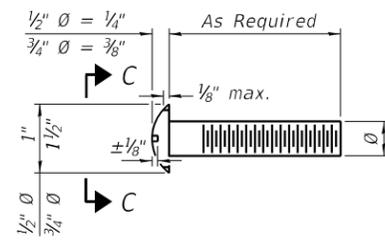
CONCRETE REPAIR DETAILS  
STRUCTURE NO. 081-9905

SHEET 4 OF 7 SHEETS

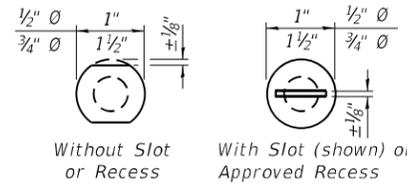
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3B) BRR-1	ROCK ISLAND	37	24
CONTRACT NO. 64N71				
ILLINOIS		FED. AID PROJECT		



PLAN



DETAIL OF 1/2" Ø & 3/4" Ø ROUND HEAD BOLTS



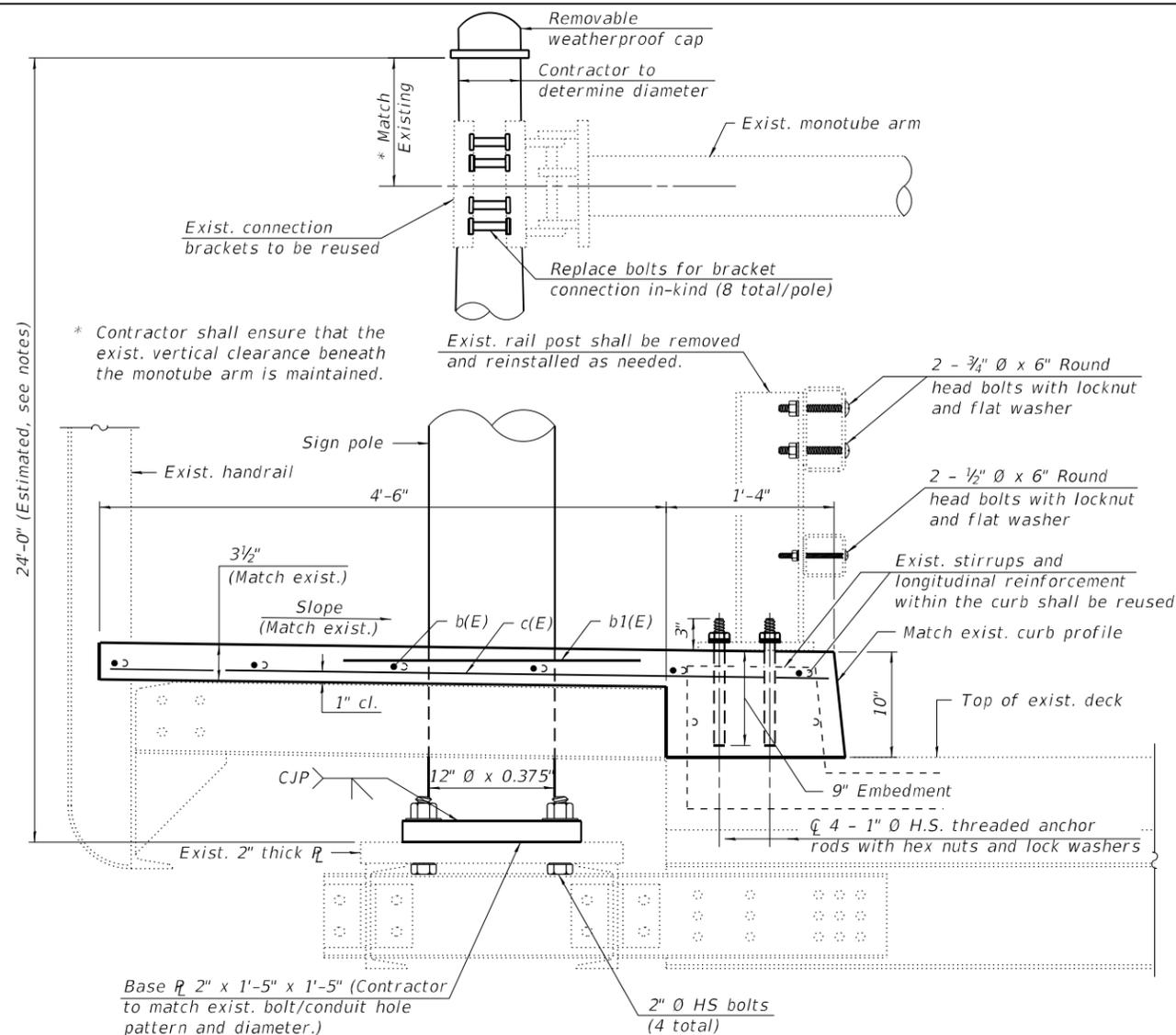
VIEW C-C

BAR LIST

(Per sign pole location)

Bar	No.	Size	Length	Shape
b(E)	6	#4	3'-9"	—
b1(E)	4	#5	2'-0"	—
c(E)	9	#4	5'-7"	—

(b(E) and c(E) bars shall be cut in field to clear sign pole. Cost included with the associated work.)



SECTION A-A

Notes:

- The existing designated sign poles are deteriorated and shall be replaced "in-kind". No existing plans or shop drawings with full details are available. The information shown is a result of existing partial plan details and field measurements. The pole height shown is estimated. Maximum pole height is typically 25 ft. Contractor shall field verify all dimensions and details shown and provide additional information needed by Fabricator. Any discovered discrepancies with the information shown shall be reported to the Bureau of Bridges and Structures for further disposition.
- This work shall be sequenced to occur with the traffic stage when the traffic lanes immediately adjacent to the sign pole locations are closed to traffic.
- Removal and disposal of the existing sign pole is included with the pay item Remove Structural Steel Support for Overhead Sign Structure - Monotube. The removal shall be in accordance with Section 738 of the Standard Specifications and also include the following work:
  - Temporary support of the existing monotube arm while the pole is being removed and replaced. Details and calculations for the temporary support shall be prepared and sealed by an Illinois Licensed Structural Engineer and submitted to the Engineer for review and approval. The submittal shall demonstrate that the Contractor's proposed means and methods to accomplish the work do not compromise the structural adequacy of the bridge at any time during the work activities being performed.
  - Removal and reinstallation of the existing rail post. Replacement hardware shown herein shall be in accordance with Section 509 of the Standard Specifications for Type 2399 Steel Railings and be galvanized according to Article 509.05 of the Standard Specifications. All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 Grade A.
  - Removal and replacement of portions of the existing concrete sidewalk and curb (including furnishing and placing proposed reinforcement). This work shall be completed in accordance with the applicable portions of Sections 501 and 503 of the Standard Specifications. Existing longitudinal (sidewalk/curb) reinforcement and stirrups extending into the removal area shall be cleaned and incorporated into the new construction. Existing transverse (sidewalk) reinforcement to be removed and replaced unless noted otherwise. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Concrete shall be Class BS.
  - The top surface of the existing 2" thick plate shall be cleaned and painted per the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures" prior to installing the new sign pole.
  - Existing sign panels attached to the sign poles being replaced shall be carefully removed, stored in a manner that prevents damage, and reattached in the same position to the new sign pole. The sign panel shall be reattached with in-kind replacement clamps.
  - Protective shield system shall be provided in accordance with Article 501.03. The area of the system shall be sufficient in size to provide adequate protection against falling debris and objects during the concrete removal.

- The District shall be responsible for disconnecting all electrical components prior to the Contractor removing the sign pole and connecting all electrical components after the sign pole has been replaced.
- PJF shall be in accordance with Article 1051.09 of the Standard Specifications. After concrete has cured, a 1/4 in. thick bead of polyurethane sealant shall be applied to the top of the joint (finished flush with the top of concrete). Polyurethane sealant shall be according to Article 1050.04 of the Standard Specifications and the color shall be gray.
- Furnishing and erecting the sign pole is included with the pay item Structural Steel Support for Overhead Sign Structure - Monotube. This work shall be in accordance with Section 738 of the Standard Specifications and the following requirements:
  - Base plate shall conform to the requirements of AASHTO M 270 Grade 50.
  - Steel pipe for sign pole shall conform to the requirements of ASTM A 500 Grade C.
  - All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 Structural Welding Code, the Standard Specifications, and AASHTO Standard Specifications (current at time of letting) for Structural Supports for Highway Signs, Luminaires and Traffic Signs (Fatigue Category II - natural wind gust only).
  - The sign pole shall be hot-dip galvanized according to AASHTO M 111 after fabrication is complete.
  - All connection bolts for the sign pole shall be High Strength Bolts M164, Galvanize M232 (A153), Type 3. Bolts for the base plate shall be fully tightened. Bolts for the bracket connection shall have "locknuts" with nylon or steel inserts and semifinished hexagonal heads equivalent to the finished heavy hex series of the American National Standard.

BILL OF MATERIAL

Item	Unit	Total
Remove Structural Steel Support for Overhead Sign Structure - Monotube	Each	2
Structural Steel Support for Overhead Sign Structure - Monotube	Each	2

FILE NAME: C:\SP\WHKS & COLLEGE-Spring - Projects\DOT\BBS\0353\BBS\_Various\_Various\0353\03\_Centennial Repairs - Ph IICADD\CAD\_Sheets\08199052010204.dgn



design firm no. 184001036	USER NAME = dheberling	DESIGNED - CEH	REVISED -
		CHECKED - MJR	REVISED -
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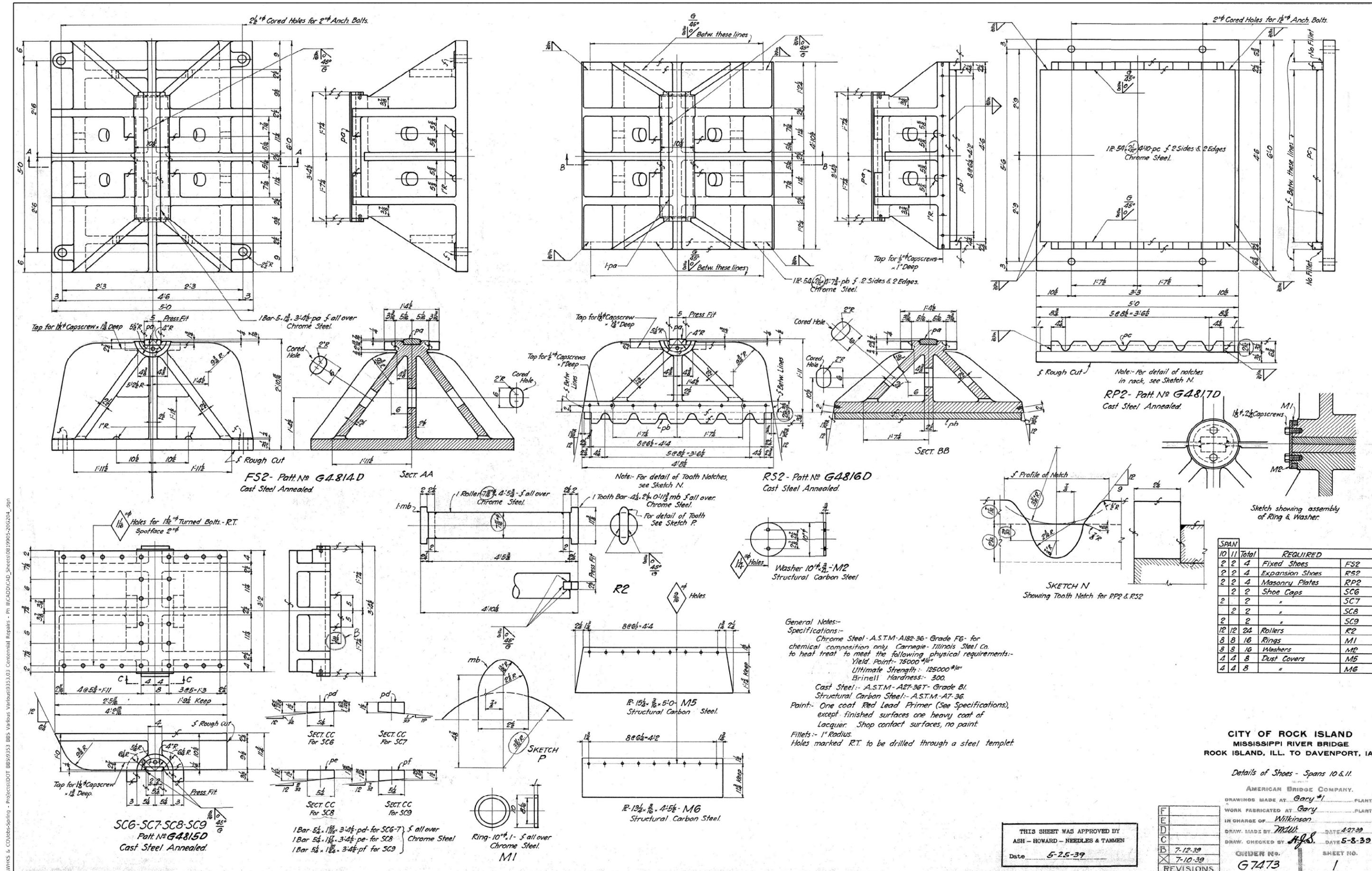
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGN POLE REPLACEMENT DETAILS  
STRUCTURE NO. 081-9905

SHEET 5 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3B) BRR-1	ROCK ISLAND	37	25
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

FILE NAME: C:\SP\WHKS & COUBBS-Spring - Projects\DOT BBS\0353 BBS Various Repairs - Ph IICADD\CAD\_Sheets\08199052010204.dgn



SPAN		REQUIRED	
10	11	Total	
2	2	4	Fixed Shoes
2	2	4	Expansion Shoes
2	2	4	Masonry Plates
2	2	2	Shoe Caps
2	2	2	SC7
2	2	2	SC8
2	2	2	SC9
12	12	24	Rollers
8	8	16	Rings
8	8	16	Washers
4	4	8	Dust Covers
4	4	8	M6

**CITY OF ROCK ISLAND**  
MISSISSIPPI RIVER BRIDGE  
ROCK ISLAND, ILL. TO DAVENPORT, IA.

Details of Shoes - Spans 10 & 11.

AMERICAN BRIDGE COMPANY.  
DRAWINGS MADE AT Gary, IN. PLANT.  
WORK FABRICATED AT Gary, IN. PLANT.  
IN CHARGE OF Wilkinson  
DRAW. MADE BY MULL DATE 4-27-39  
DRAW. CHECKED BY H.P.S. DATE 5-8-39

THIS SHEET WAS APPROVED BY  
ASH - HOWARD - NEEDLES & TAMMEN  
Date 5-25-39

REVISIONS  
G7473

ORDER NO. G7473 SHEET NO. 1



USER NAME = dtheberling	DESIGNED - CEH	REVISED -
PLOT DATE = 3/25/2022	CHECKED - MJR	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

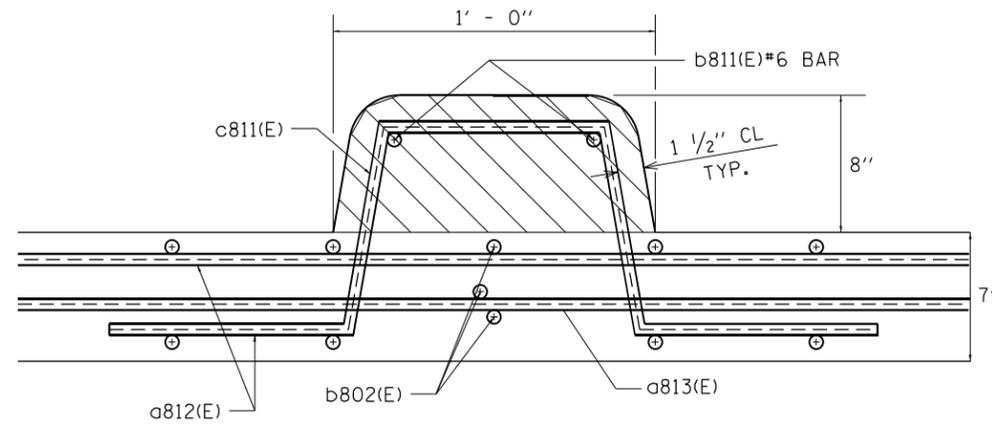
**EXISTING PLANS (FOR INFORMATION ONLY)**  
**STRUCTURE NO. 081-9905**

SHEET 6 OF 7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

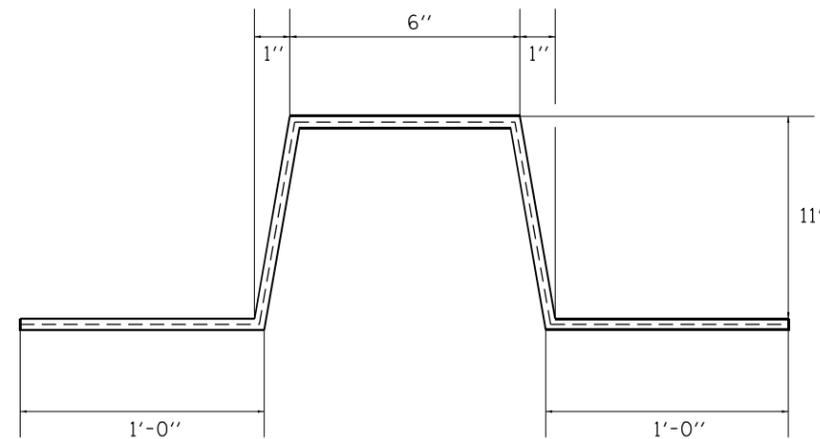


### EXISTING MEDIAN



 CONCRETE REMOVAL

### MEDIAN CURB DETAIL



BAR c811(E)  
#4 BAR

#### REMOVAL PROCEDURE

- REMOVE CONCRETE TO LIMITS SHOWN
- CUT c811(E) BARS FLUSH WITH DECK SURFACE. GRIND TO ENSURE SMOOTH SURFACE AND PREVENT TIRE DAMAGE

X4402100 CURB REMOVAL (SPECIAL)

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	DATE -	REVISED -

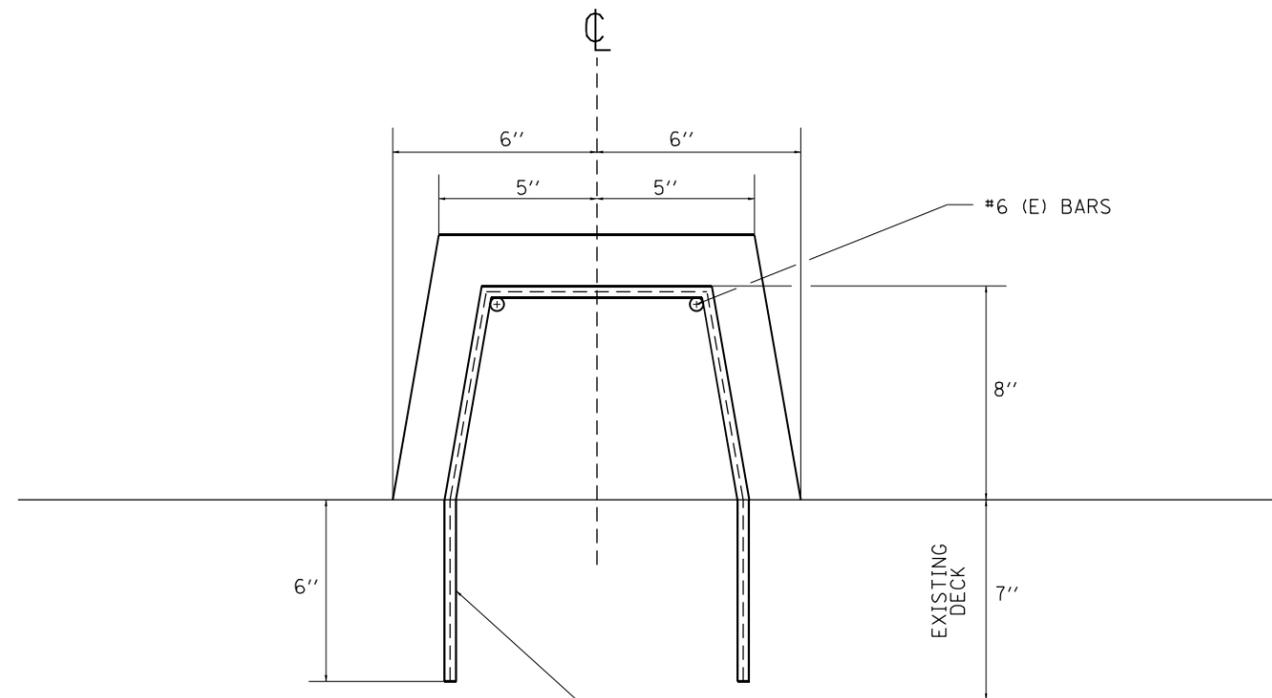
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING MEDIAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	28
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

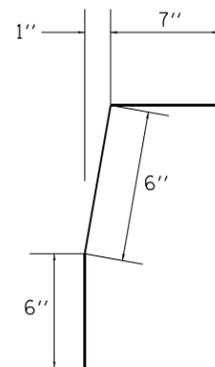
# RECONSTRUCTED MEDIAN



#6 (E) BARS

#4 BARS EPOXY COATED @ 12" CTS.  
EPOXY GROUT ON EXISTING DECK IN  
ACCORDANCE WITH ARTICAL 584  
OF THE STANDARD SPECS.

X6060505 CONCRETE CURB (SPECIAL)



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

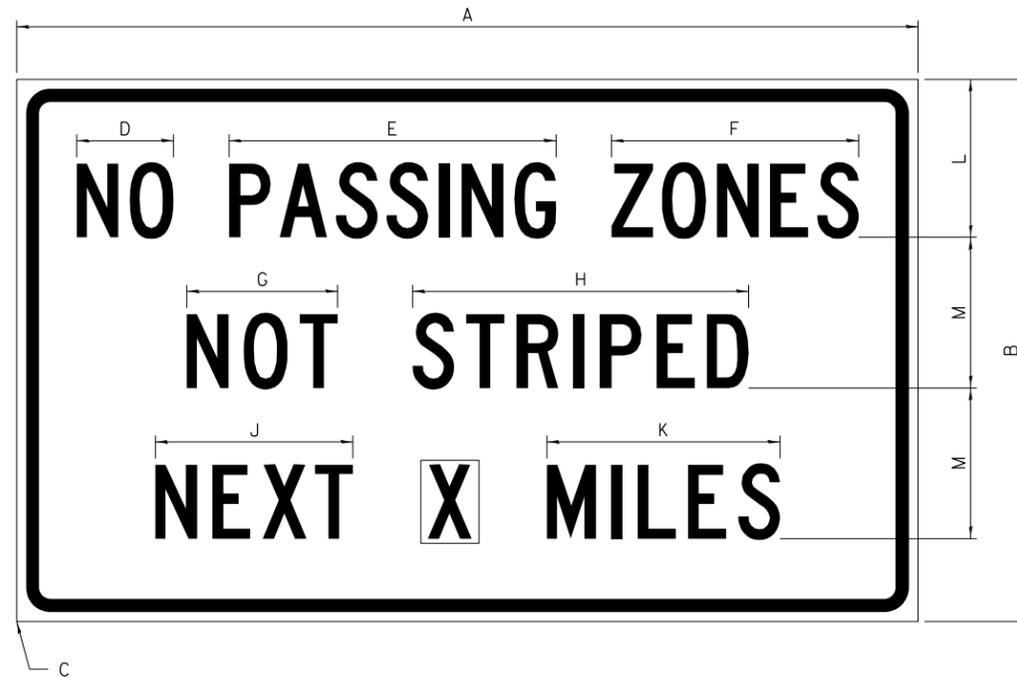
## RECONSTRUCTED MEDIAN

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	29
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

**ILLINOIS STANDARD G20-I100**



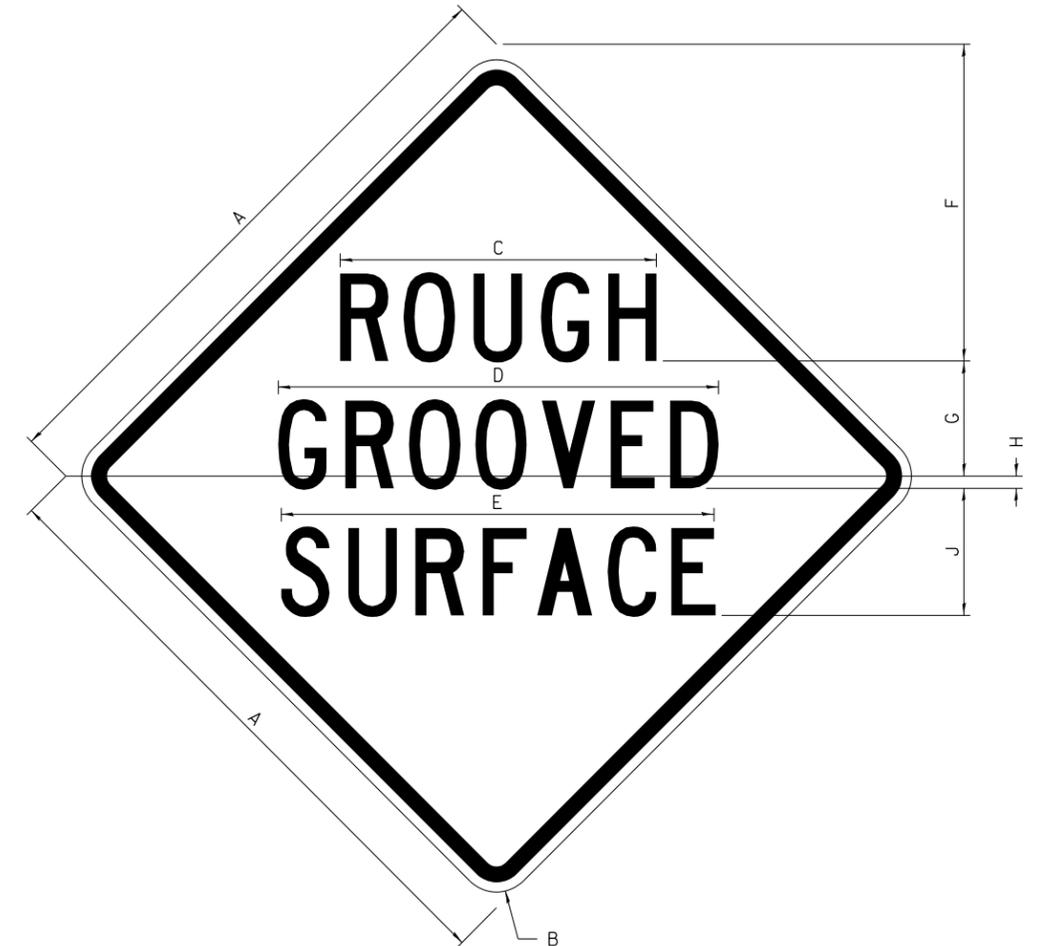
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

**ILLINOIS STANDARD W8-I107**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

**GENERAL NOTES**

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

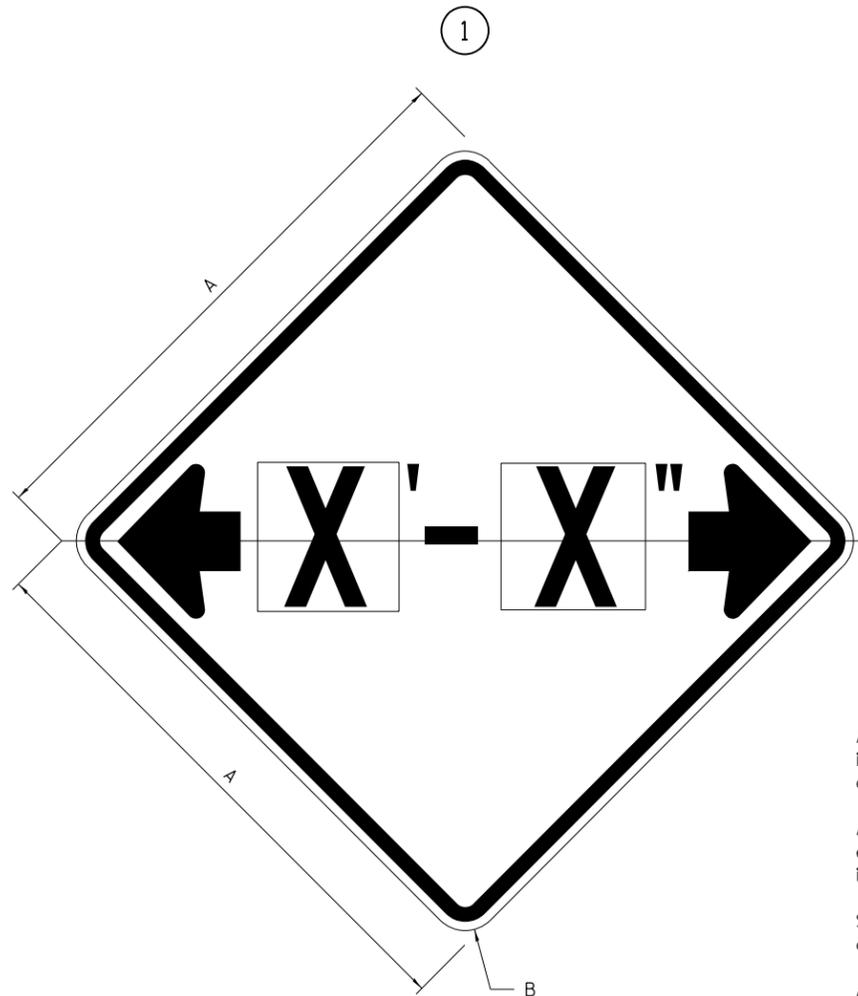
**REGION 2 / DISTRICT 2 STANDARD**

SCALE: SHEET OF SHEETS STA. TO STA.

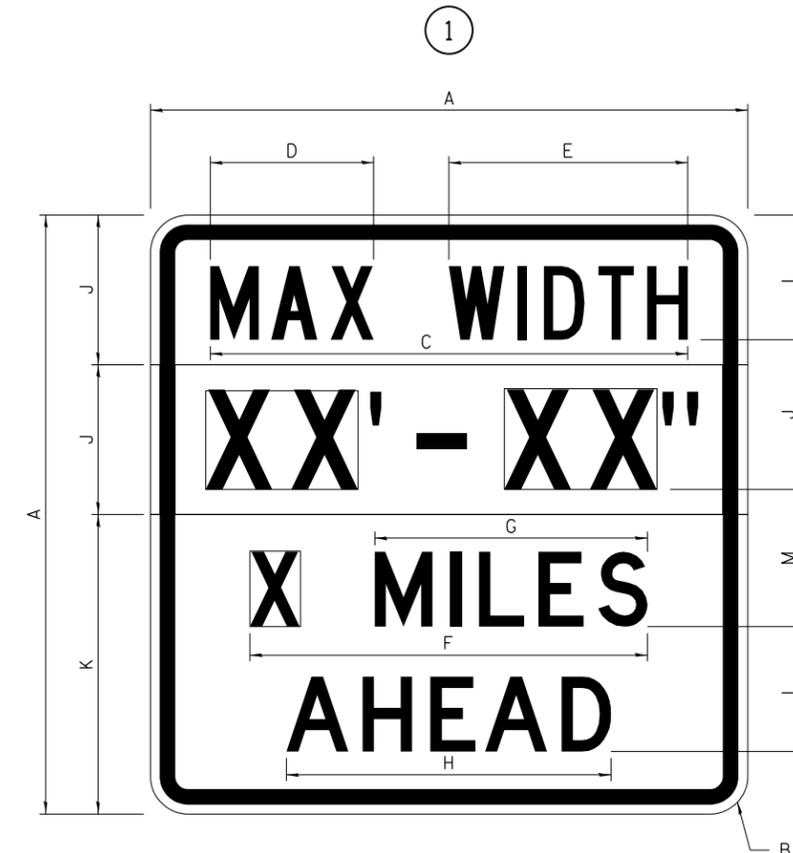
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	30
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

## ILLINOIS STANDARD W12-I102



## ILLINOIS STANDARD W12-I103



### GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

COLOR LEGEND AND BORDER BACKGROUND BLACK FL ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

① Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

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	DRAWN -	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

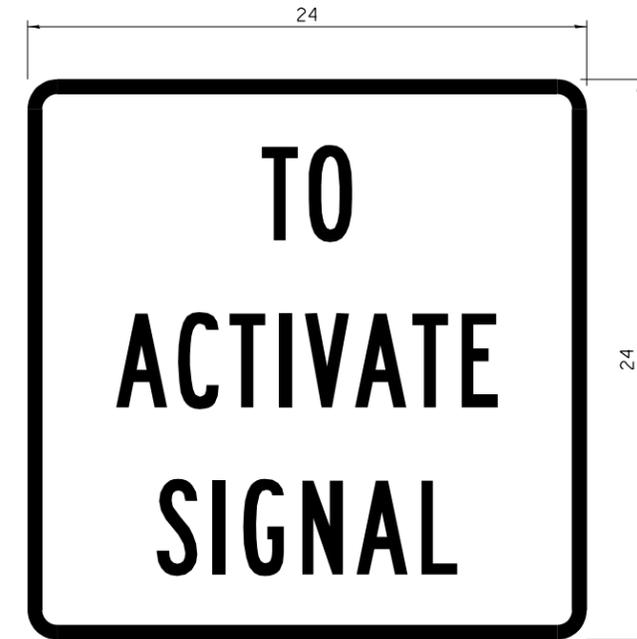
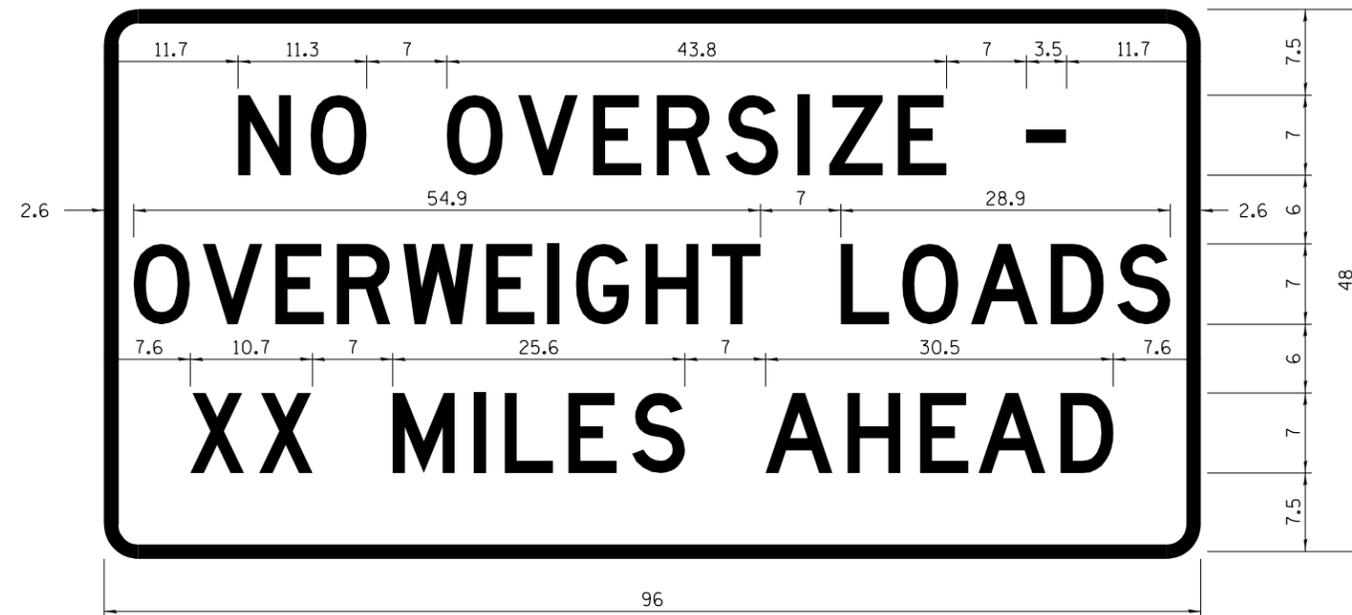
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	31
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

# WORK ZONE SIGN DETAILS

## ROAD CLOSED TO OVERSIZED LOADS

## STOP LINE SIGN FOR TEMPORARY SIGNALS



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED
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COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
-------	------------------------------	-------------	---------------------------------

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;  
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;  
 Table of letter and object lefts.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

### GENERAL NOTES

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Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

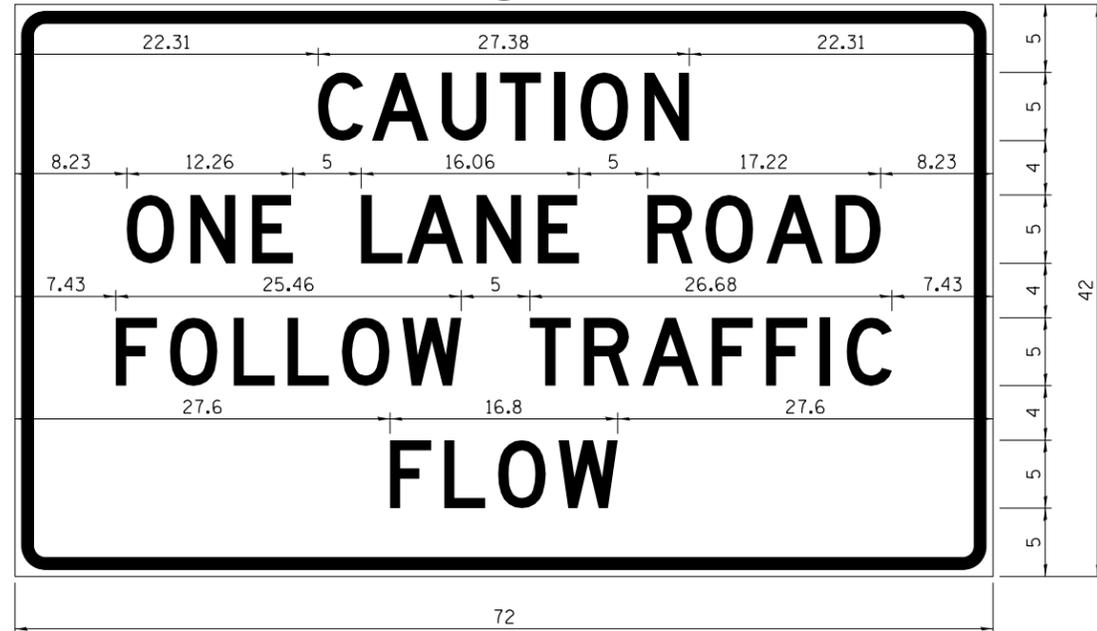
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	32
CONTRACT NO. 64N71				

**ENTRANCE SIGN FOR USE  
WITH TEMPORARY SIGNALS**

**WORK ZONE SIGN DETAILS**

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;  
[CAUTION] D; [ONE LANE ROAD] D;  
[FOLLOW TRAFFIC] D; [FLOW] D

② This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

**Table Of Widths And Spaces**

22.31	C	A	U	T	I	O	N	22.31
3.36	4.18	3.36	3.04	0.78	3.52	3.36		
0.62	0.94	0.94	0.94	1.17	1.17	1.17		

8.23	O	N	E
3.51	3.36	1.18	3.04
1.17			

5.00	L	A	N	E
3.05	4.18	3.36	1.17	3.05
0.31	0.94	0.94	0.94	

5.00	R	O	A	D	8.23
3.36	3.52	0.94	4.18	3.36	
0.93	0.94	0.93	0.93	0.93	

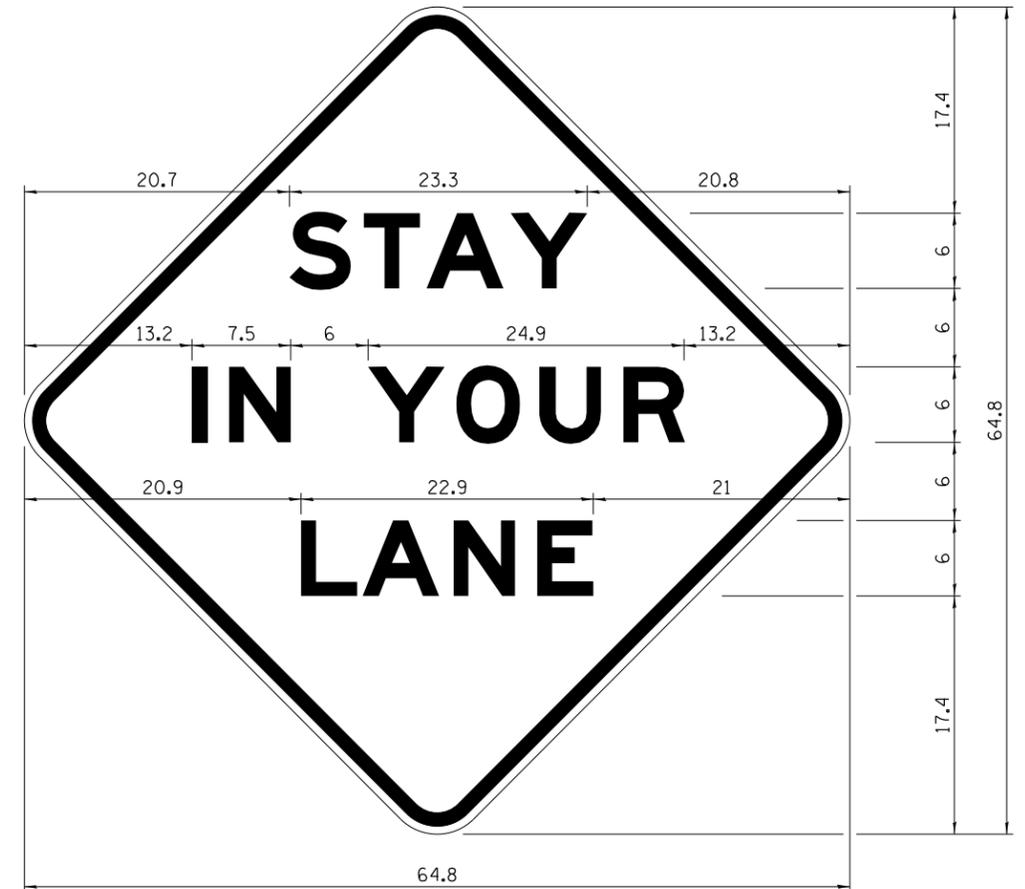
7.43	F	O	L	L	O	W
3.04	3.52	1.17	3.04	3.05	3.51	4.37
0.94	1.17	0.94	0.94	0.94	0.94	

5.00	T	R	A	F	F	I	C	7.43
3.05	3.36	4.18	3.05	3.04	0.94	0.78	3.35	
0.94	0.94	0.93	0.93	0.94	0.94	1.18		

27.60	F	L	O	W	27.60
3.05	3.04	3.52	4.38		
0.94	0.94	0.93			

Sign not to scale

**STAY IN YOUR LANE**



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;  
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

**Table of Letter and Object Lefts**

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

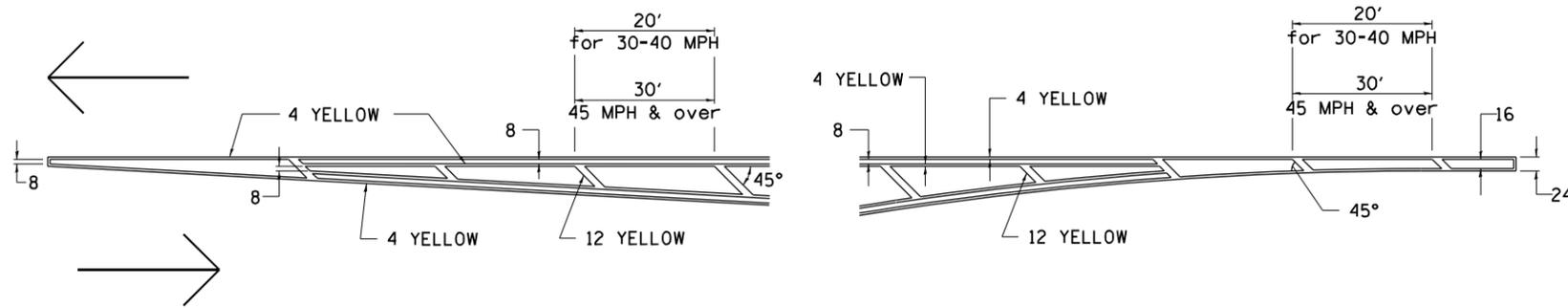
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	33
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

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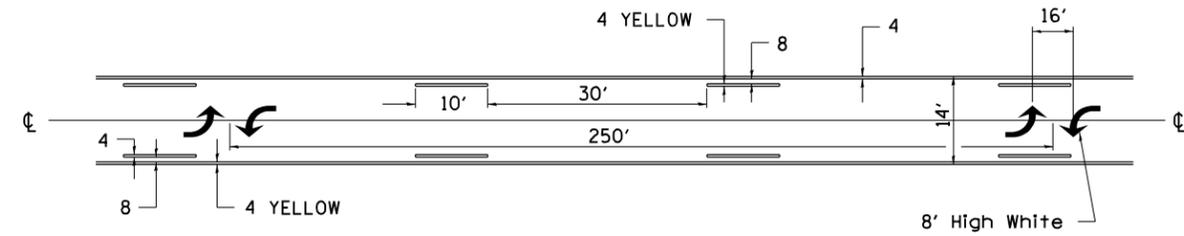


# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

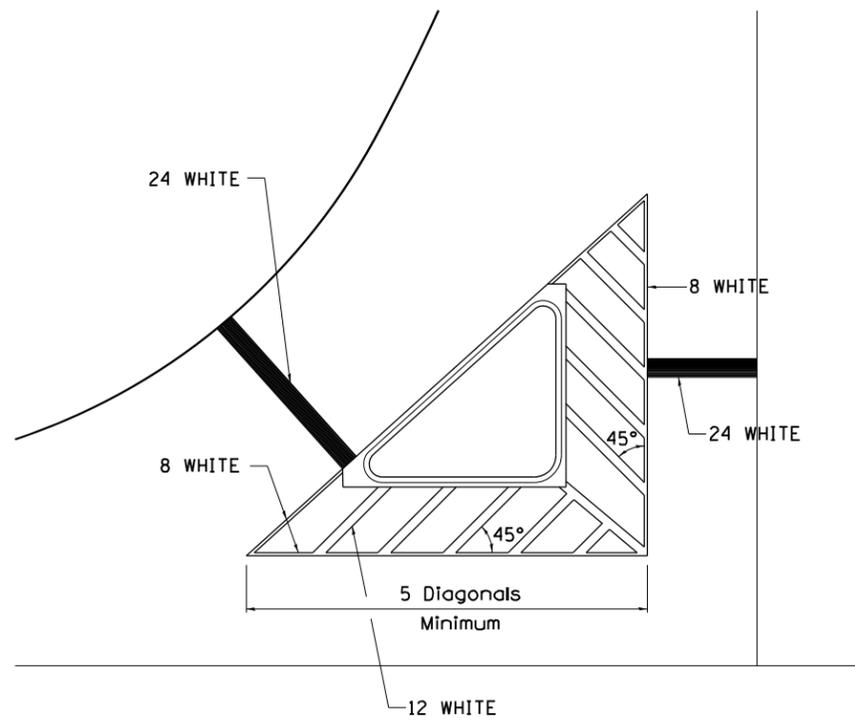


## MEDIAN PAVEMENT MARKING



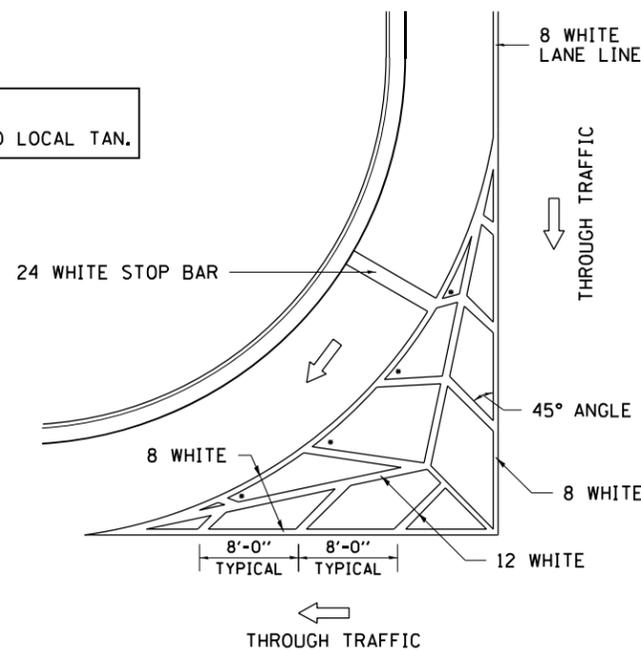
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



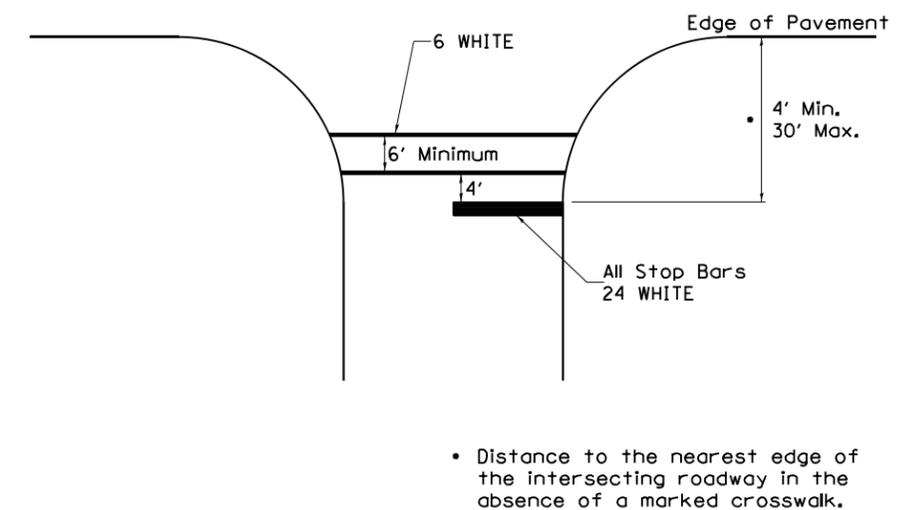
## TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:  
\* 45° TO LOCAL TAN.



## STANDARD CROSSWALK MARKING

See Schedules for Locations



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DRAWN -	REVISOR -	REVISED - 3-05-12
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

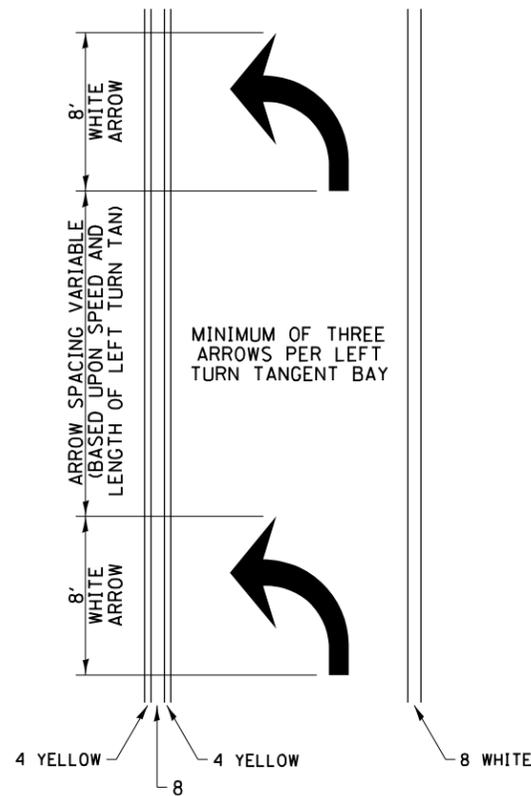
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	35
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

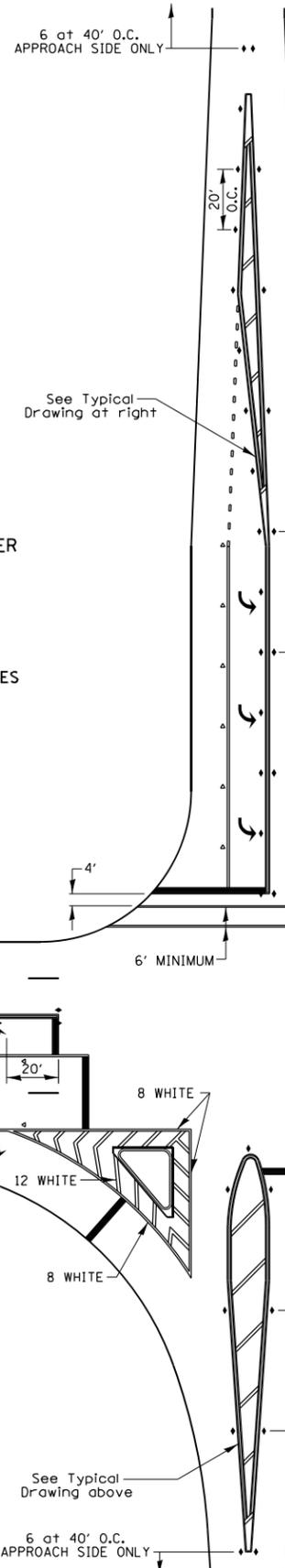
# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

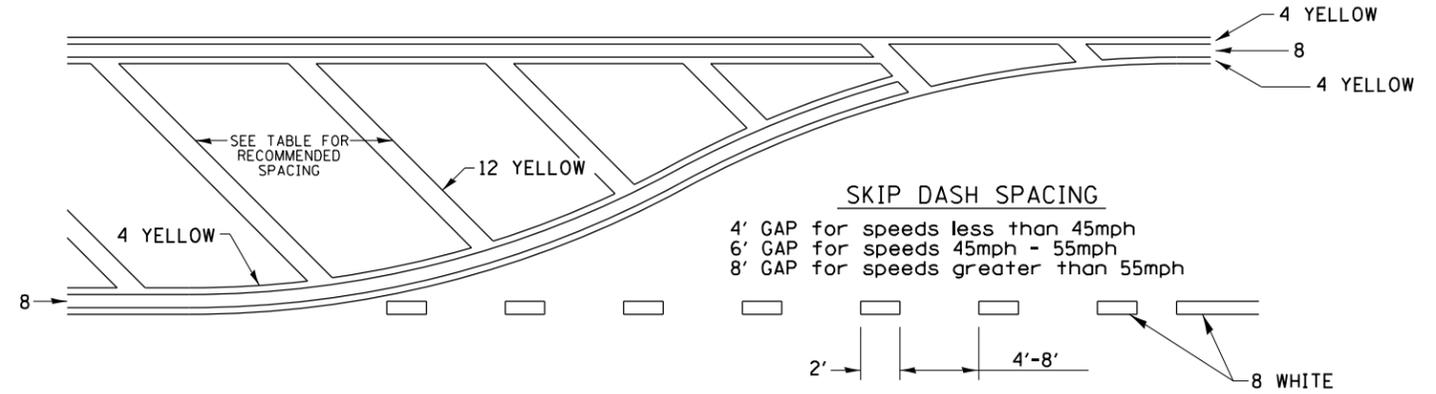


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



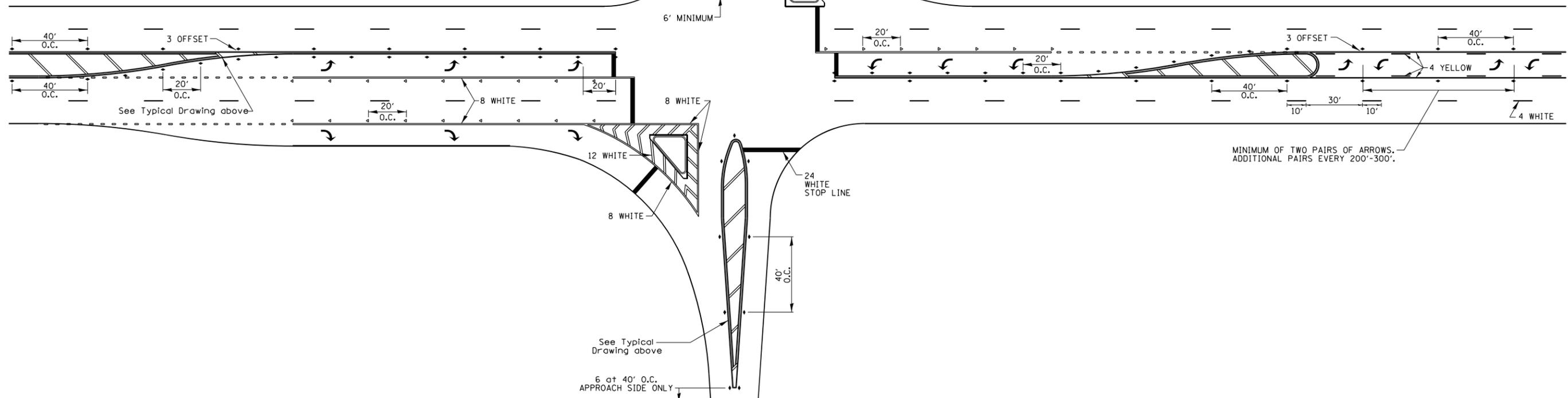
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



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USER NAME = costellojg	DESIGNED -	REVISED - 6-27-14
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	(3BR)BRR-1	ROCK ISLAND	37	36
CONTRACT NO. 64N71				
ILLINOIS FED. AID PROJECT				

