

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	1
		ILLINOIS	CONTRACT NO. 62Y02	

06-13-2025 LETTING ITEM 026

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

LOCATION 1: FAP ROUTE 349 - GALENA BOULEVARD
OVER IL-56 (SN 045-0037)
LOCATION 2: FAU ROUTE 1521 - US30
OVER BLACKBERRY CREEK (SN 047-0029)
SECTION (10-B) BP 24
BRIDGE PAINTING
KANE, KENDALL COUNTY
C-91-152-25

D-91-097-25



FOR INDEX OF SHEETS, SEE SHEET NO.

THIS PROJECT IS LOCATED IN THE VILLAGES OF SUGAR GROVE
AND MONTGOMERY

TRAFFIC DATA

LOCATION 1:
IL-56 AT GALENA BOULEVARD
2024 ADT: 14800
POSTED SPEED LIMIT: 55 MPH

LOCATION 2:
US-30 AT BLACKBERRY CREEK
2024 ADT: 15800
POSTED SPEED LIMIT: 55 MPH

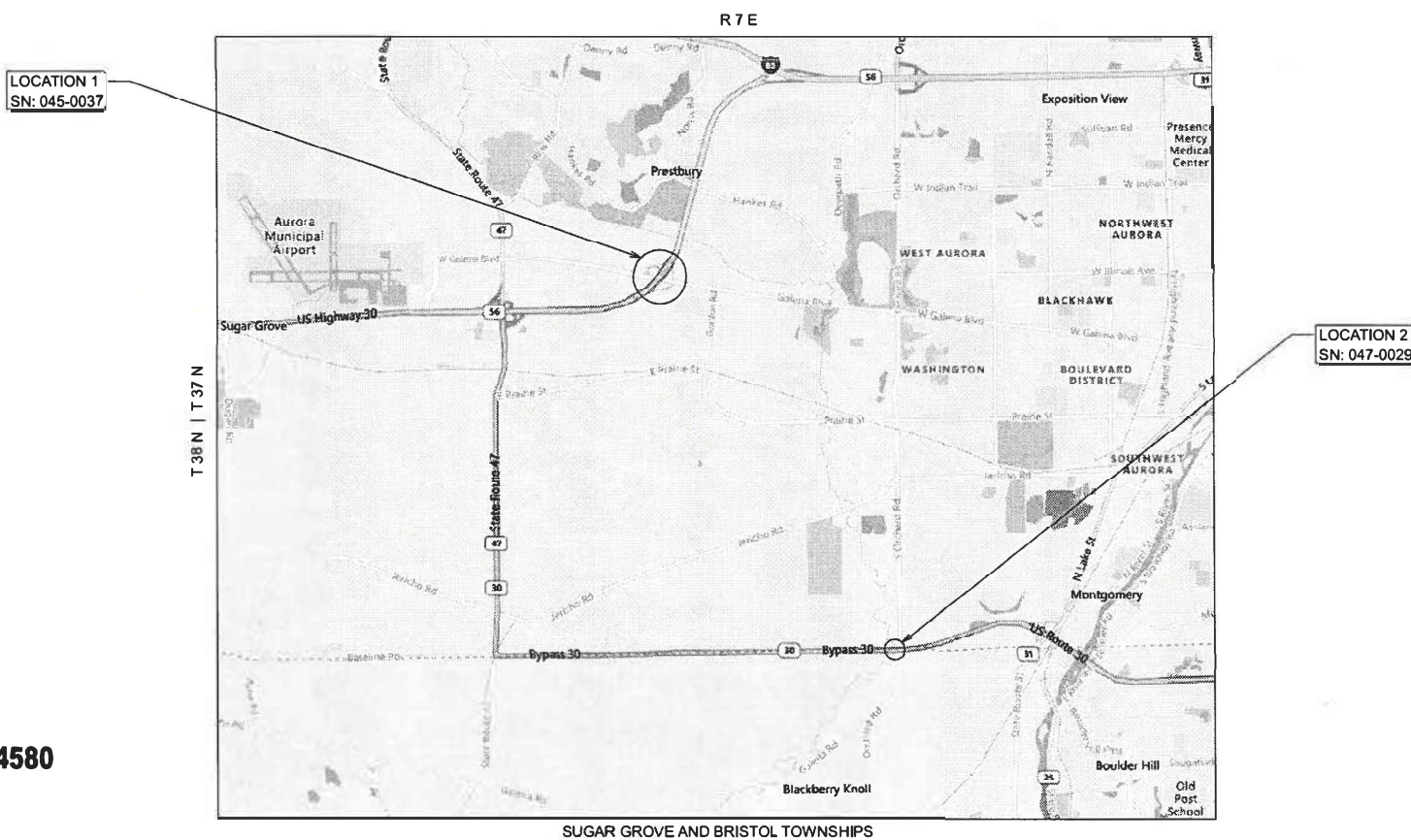


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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. 62Y02



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 18th 2025
Jane Smith REGIONAL ENGINEER

May 9 2025
Scott Etk ENGINEER OF DESIGN AND ENVIRONMENT

May 9 2025
Harry DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

REV-SEP

MODEL: GenNotesSh01 [Sheet]
FILE NAME: c:\pwwork\pwwork\road\pdp\1070161\1070161-08725-shh-gennote.dgn

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	LOCATION 1: DETOUR ROUTE (SN 045-0037)
5 - 7	LOCATION 1: SUGGESTED MAINTENANCE OF TRAFFIC PLANS (SN 045-0037)
8 - 14	LOCATION 1: EXISTING BRIDGE PLANS (SN 045-0037)
15 - 19	LOCATION 2: EXISTING BRIDGE PLANS (SN 045-0029)
20	TRAFFIC CONTROL DETAILS FOR ENTRANCE AND EXIT RAMP CLOSURES (TC-08)
21	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
22	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOUSRES AND PARTIAL RAMP CLOSURES (TC-17)
23	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS (TC-21)
24	ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

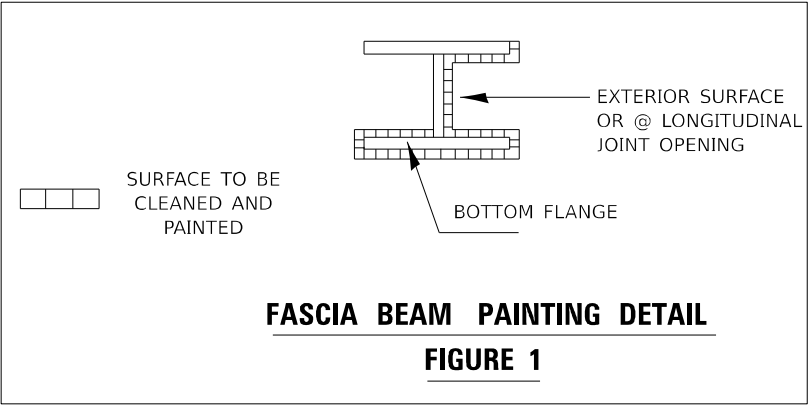
STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 M.P.H.
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 M.P.H. TO 55 M.P.H.
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 M.P.H. TO 55 M.P.H.
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT TO MOVING OPER., FOR SPEEDS ≥ 45 M.P.H.
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER

GENERAL NOTES

1	BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES, (48 HOURS NOTIFICATION IS REQUIRED).
2	THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, VILLAGES OF SUGAR GROVE AND MONTGOMERY IN KANE AND KENDALL COUNTIES.
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 ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
5	THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN-HOSADURGA AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINUMUM 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 ENCOUNTED 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 ARTIFICAIL LIGHTING IS UTILIZED IN NIGHTTIME OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECUATIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJACENT RESIDENTIAL AREAS
9	THE CONTRACTOR SHALL TAKE THE NECESSARY PRECUATIONS 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 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 045-0037): ALL BEAMS, BEARINGS, AND OTHER STRUCTURAL STEEL SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP-10.
4	FOR LOCATION 2 (SN 047-0029): THE EXTERIOR SURFACES AND TOP AND BOTTOM FLANGE OF THE FASCIA BEAM OUTSIDE THE DECK JOINTS FOR THE LENGTH OF THE BRIDGE (SEE FIGURE 1) SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SSPC-SP10. BEARINGS AND ALL OTHER STRUCTURAL STEEL WITHIN 5 FEET (MEASURED ALONG THE BEAM) OF THE ABUTMENTS SHALL BE CLEANED PER NEAR WHITE BLAST CLEANING SPPCS-SP10.
5	THESE AREAS SHALL BE PAINTED ACCORDING TO THE REQUIREMENTS OF PAINT SYSTEM 1-0Z/E/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, 5 YR 3/4.
6	A MINIMUM OF 2 (TWO) 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 QP 1 AND SSPC QP2 CERTIFICATION IS REQUIRED FOR THIS CONTRACT.

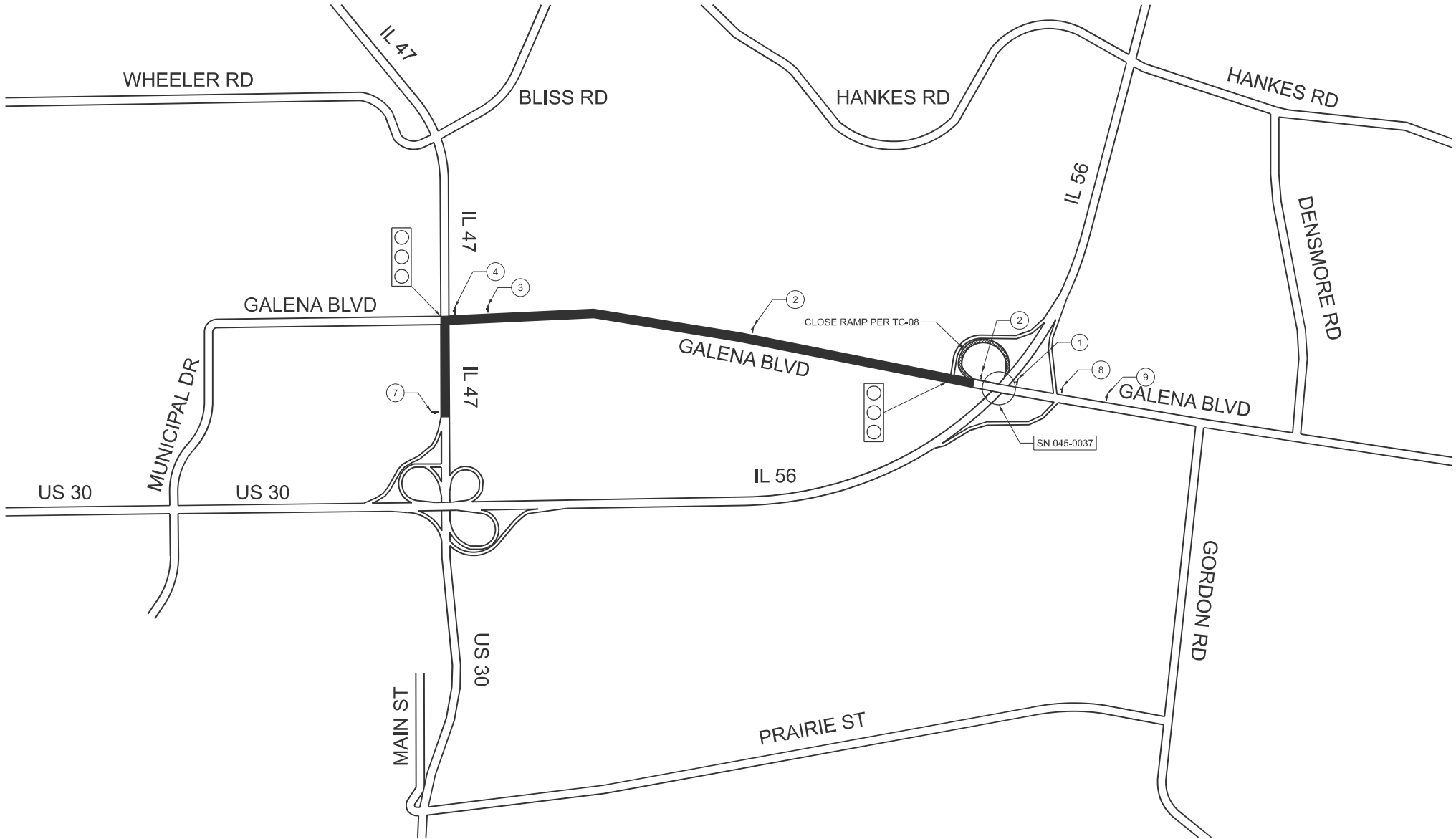


	USER NAME = Jacob,Roth		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES VARIOUS BRIDGE PAINTINGS				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -						VAR	(10-B) BP 24	KANE	24	2
			CHECKED -	REVISED -						CONTRACT NO. 62Y02				
	PLOT DATE = 3/26/2025		DATE -	REVISED -		SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT	

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DETOUR NOTES

- 1. DETOUR SIGNAGE SHALL BE CONSIDERED INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL) EXCEPT AS OTHERWISE NOTED.
- 2. SEE DETAIL TC-21 AND TC-08 FOR TYPICAL SIGN SPACING.
- 3. TEMPORARY TRAFFIC SIGNAL TIMING SHALL BE IMPLEMENTED ALONG THE DETOUR ROUTE FOR EACH SIGNALIZED INTERSECTION.



ROUTE MARKERS



M1-1100-2424

ARROW SIGNS



M6-3-2115



M5-1L-2115



M6-1-2115



M5-1R-2115



M6-1-2115

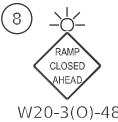
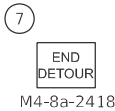
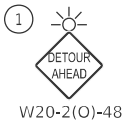
CARDINAL DIRECTION SIGNS



M3-3-2412



M4-8-2412



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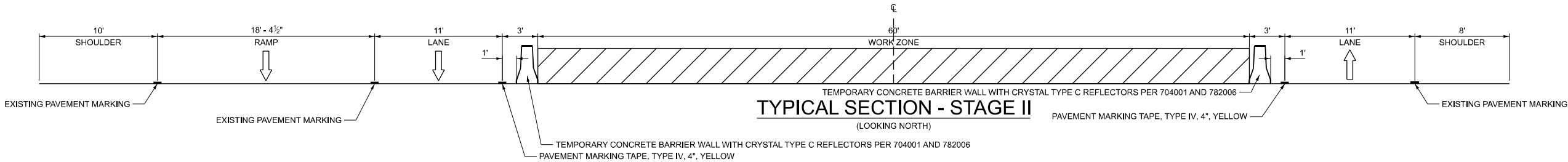
	USER NAME = Jacob,Roth		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 1: DETOUR ROUTE GALENA BLVD OVER IL 56 (SN 045-0037)			F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN -	REVISED -					VAR	(10-B) BP 24	KANE	24	4
			CHECKED -	REVISED -					CONTRACT NO. 62Y02				
	PLOT DATE = 3/26/2025		DATE -	REVISED -		SCALE:	SHEET 1	OF 16 SHEETS	STA. 0+00.00	TO STA. 0+00.00	ILLINOIS FED. AID PROJECT		



TYPICAL SECTION
(LOOKING NORTH)



TYPICAL SECTION - STAGE I
(LOOKING NORTH)

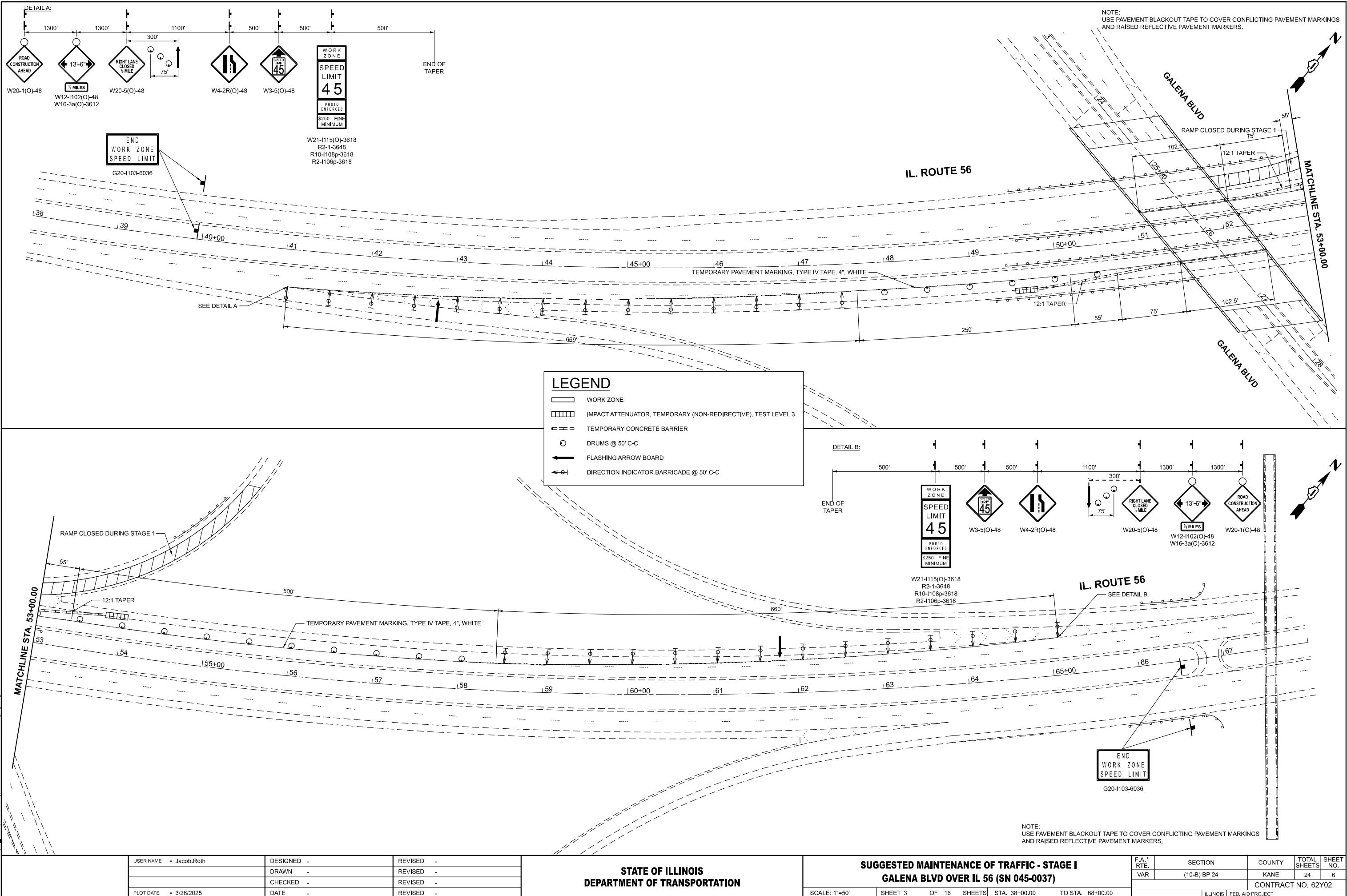


TYPICAL SECTION - STAGE II
(LOOKING NORTH)

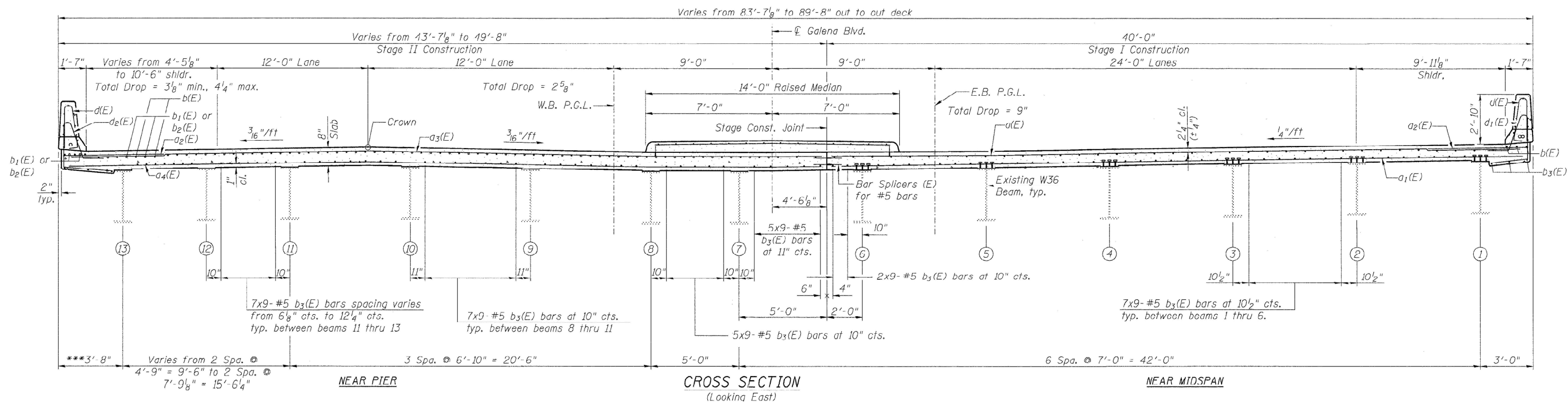
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		DRAWN -	REVISED -					VAR	(10-B) BP 24	KANE	24	5
		CHECKED -	REVISED -					CONTRACT NO. 62Y02				
	PLOT DATE = 3/26/2025	DATE -	REVISED -		SCALE:	SHEET 2	OF 16 SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

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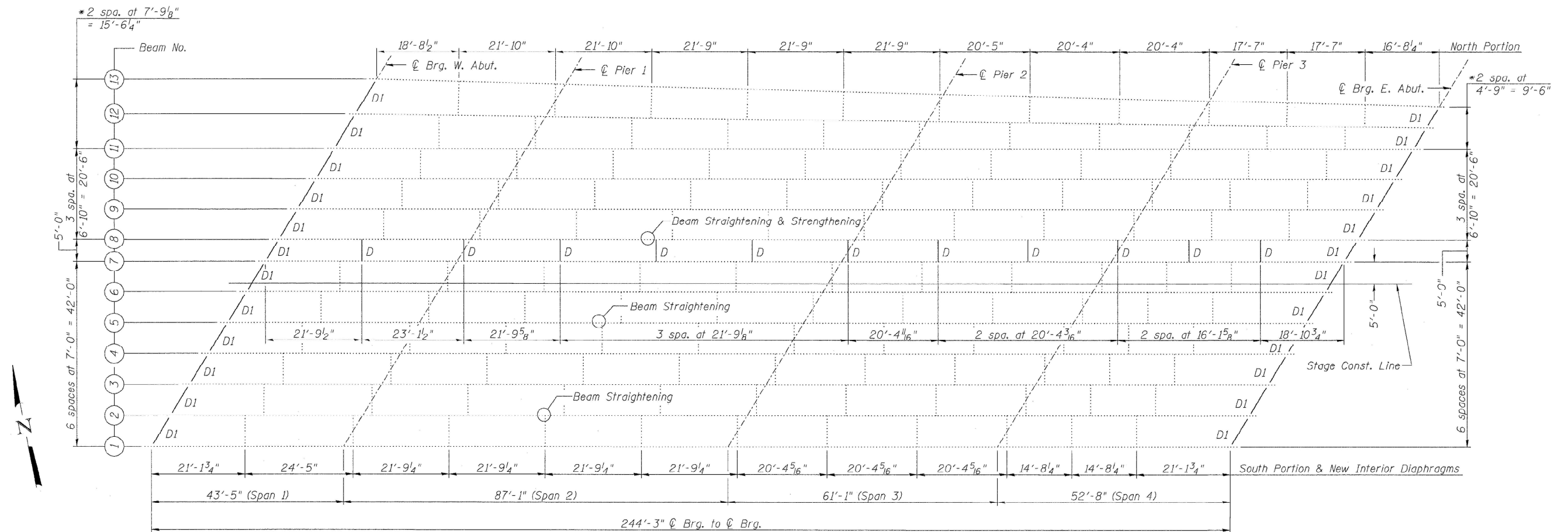
FOR INFORMATION ONLY

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS GALENA BLVD OVER IL 56 (SN 045-0037)			
SCALE:	SHEET 6	OF 16 SHEETS	STA. 0+00.00 TO STA. 0+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	9
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

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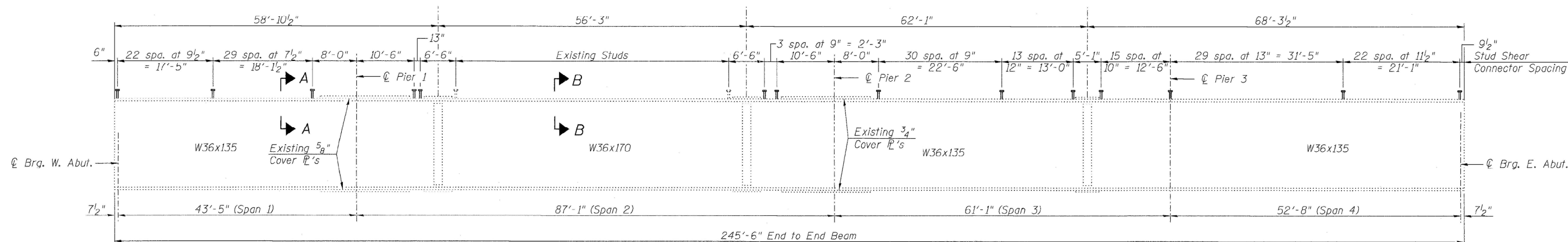
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

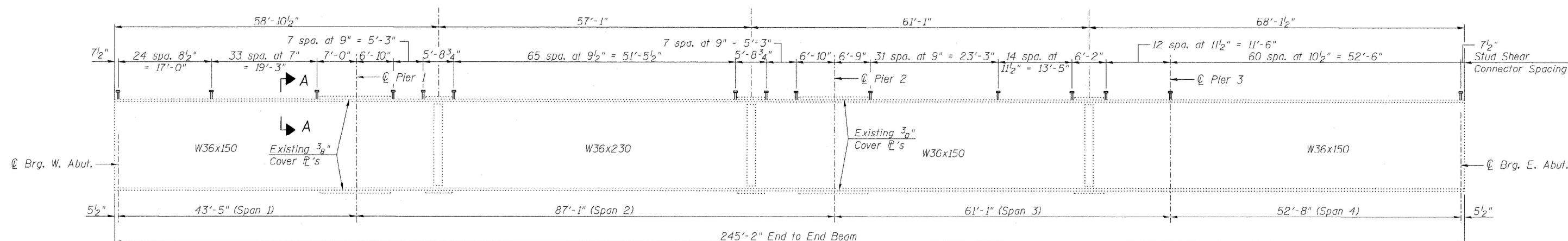
LOCATION 1: EXISTING BRIDGE PLANS
GALENA BLVD OVER IL 56 (SN 045-0037)

SCALE: SHEET 7 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

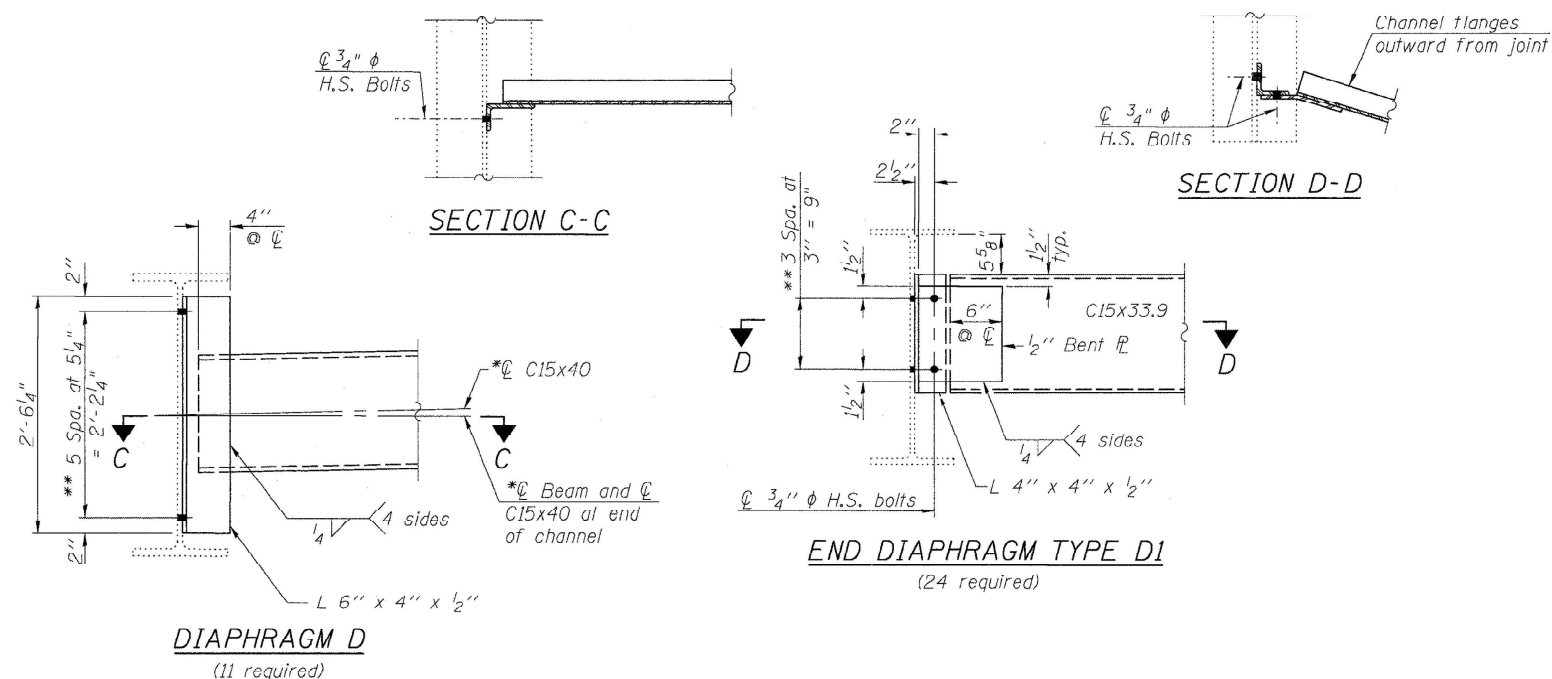
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	10
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



EXISTING BEAM ELEVATION (BEAMS 1-7)



EXISTING BEAM ELEVATION (BEAMS 8-13)



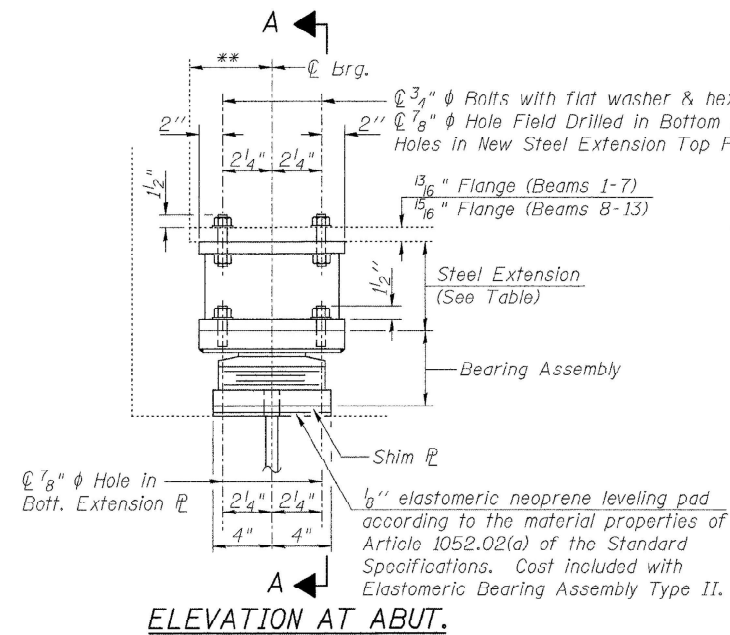
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

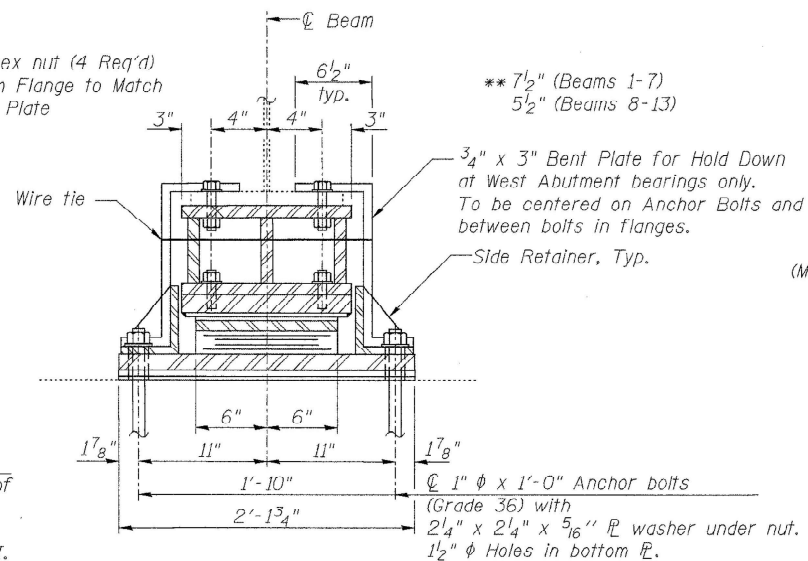
LOCATION 1: EXISTING BRIDGE PLANS
GALENA BLVD OVER IL 56 (SN 045-0037)

SCALE: SHEET 8 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	11
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



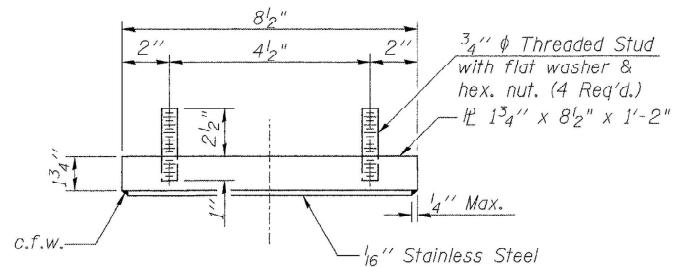
ELEVATION AT ABUT.



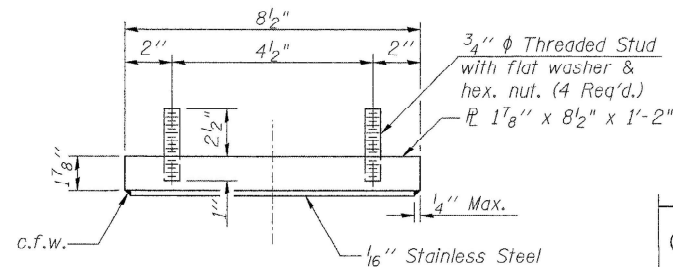
SECTION A-A

TYPE II ELASTOMERIC EXP. BRG.

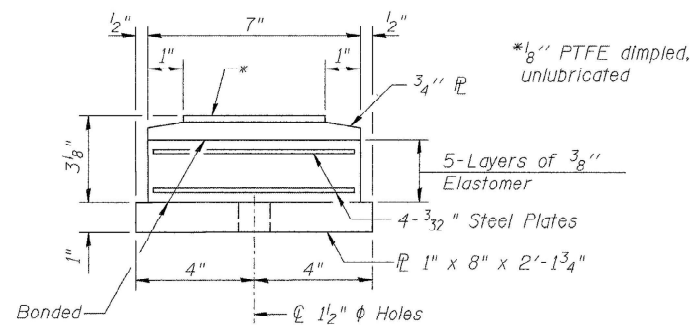
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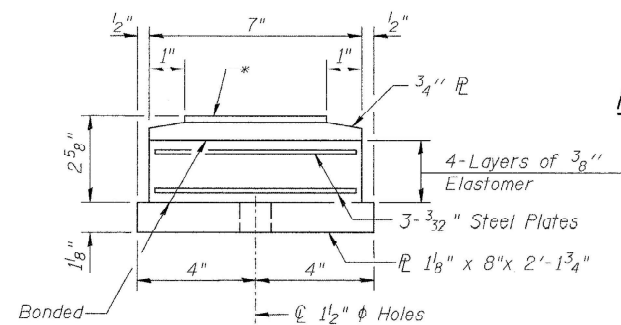
TOP BEARING ASSEMBLY - W. ABUT.



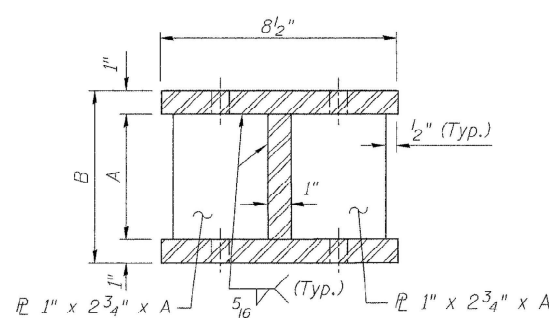
TOP BEARING ASSEMBLY - E. ABUT.



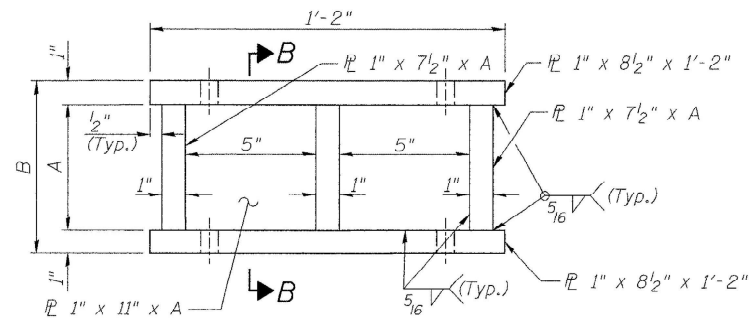
BOTTOM BEARING ASSEMBLY - W. ABUT.



BOTTOM BEARING ASSEMBLY - E. ABUT.

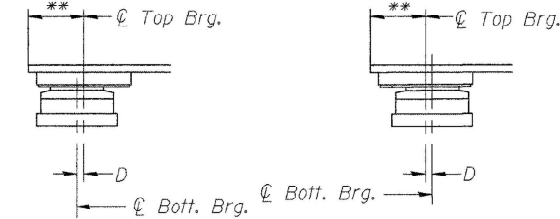


SECTION B-B



ELEVATION STEEL EXTENSION

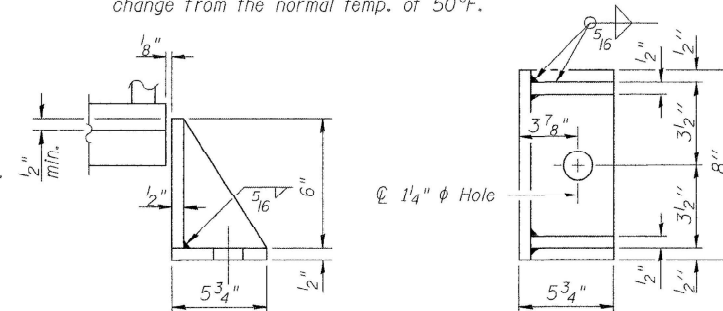
FOR INFORMATION ONLY



BELOW 50°F. (Move bott. brg. away from fixed brg.)
 ABOVE 50°F. (Move bott. brg. toward fixed brg.)

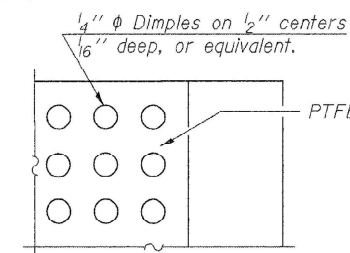
SETTING ANCHOR BOLTS AT EXP. BRG.

D=1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

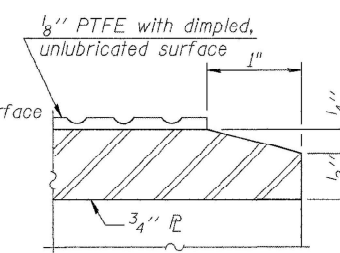


SIDE RETAINER

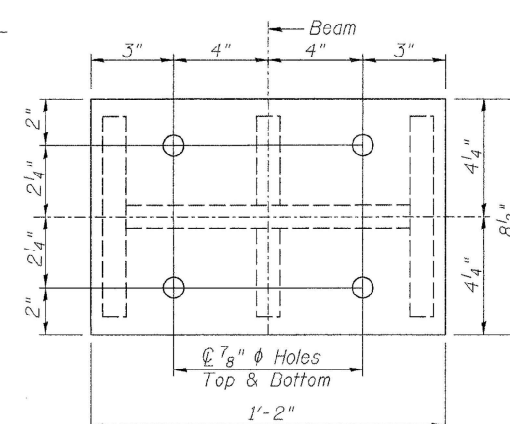
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



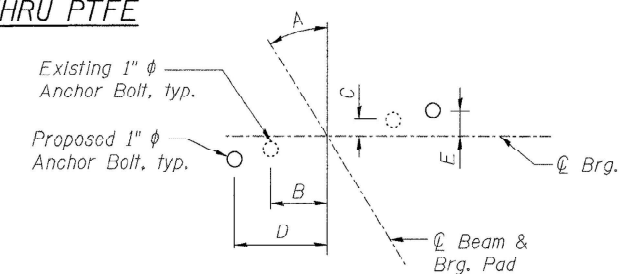
PLAN-PTFE SURFACE



SECTION THRU PTFE



PLAN STEEL EXTENSION



USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS
 GALENA BLVD OVER IL 56 (SN 045-0037)

SCALE: SHEET 9 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	12
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				

ELEVATION AT PIER 1

SECTION A-A

ELEVATION AT PIER 2

SECTION C-C

PINTLE

TYPE I ELASTOMERIC EXP. BRG.

BEARING ASSEMBLY - PIER 1

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

SECTION C-C

ANCHOR BOLT LOCATION

(Pier 1)

Beams	1 thru 11	12	13
A	31°-30'-10"	30°-47'-29"	30°-04'-09"
B	6 7/8"	6 7/8"	6 7/8"
C	4 8/8"	4 8/8"	4 8/8"
D	10 5/8"	10 3/4"	10 7/8"
E	6 2/8"	6 3/8"	6 1/8"

ANCHOR BOLT LOCATION

(Pier 2)

Beams	1 thru 11	12	13
A	31'-30'-10"	30'-47'-29"	30'-04'-0"
B	6 $\frac{7}{8}$ "	6 $\frac{7}{8}$ "	6 $\frac{7}{8}$ "
C	4 $\frac{1}{2}$ "	4 $\frac{1}{2}$ "	4"
D	8 $\frac{3}{4}$ "	8 $\frac{3}{4}$ "	8 $\frac{7}{8}$ "
E	5 $\frac{3}{4}$ "	5 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "

STEEL EXTENSION DIMENSIONS

(Pier 1)

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8	Beam 9	Beam 10	Beam 11	Beam 12	Beam
A	9 ³ / ₈ "	8 ⁵ / ₈ "	9 ¹ / ₈ "	8 ⁵ / ₈ "	8 ³ / ₄ "	8"	5 ⁵ / ₈ "	10"	9 ¹ / ₂ "	10 ¹ / ₄ "	10 ⁵ / ₈ "	10 ³ / ₈ "	10"
B	11 ³ / ₈ "	10 ³ / ₈ "	11 ¹ / ₂ "	10 ⁵ / ₈ "	10 ³ / ₄ "	10"	7 ⁵ / ₈ "	12"	11 ¹ / ₂ "	12 ¹ / ₄ "	12 ⁵ / ₈ "	12 ³ / ₈ "	12"

ELEVATION STEEL EXTENSION

PLAN STEEL EXTENSION

FOR INFORMATION ONLY

SIDE RETAINER

Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.

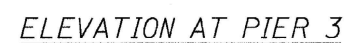
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 1: EXISTING BRIDGE PLANS
GALENA BLVD OVER IL 56 (SN 045-0037)

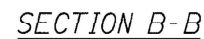
SCALE:	SHEET 10	OF 16	SHEETS	STA. 0+00.00	TO STA. 0+00.00
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F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	13
		CONTRACT NO. 62Y02		
		ILLINOIS FED. AID PROJECT		



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

TYPE I ELASTOMERIC EXP. BRG.



STEEL EXTENSION DIMENSIONS
(Pier 3)

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8	Beam 9	Beam 10	Beam 11	Beam 12	Beam 1
A	9 ₈ "	9 ₈ "	9 ₈ "	9 ₈ "	9"	8 ₈ "	6 ₈ "	9 ₄ "	8 ₈ "	10"	10 ₈ "	9 ₈ "	9 ₄ "
B	11 ₈ "	11 ₈ "	11 ₈ "	11 ₈ "	11"	10 ₈ "	8 ₈ "	11 ₄ "	10 ₈ "	12"	12 ₈ "	11 ₈ "	11 ₄ "



Beams	1 thru 11	12	13
A	31°-30'-10"	30°-47'-29"	30°-04'-09"
B	7 $\frac{1}{2}$ "	7 $\frac{1}{2}$ "	7 $\frac{5}{8}$ "
C	4 $\frac{9}{16}$ "	4 $\frac{1}{2}$ "	4 $\frac{9}{16}$ "
D	9 $\frac{5}{8}$ "	9 $\frac{5}{8}$ "	9 $\frac{3}{4}$ "
E	5 $\frac{1}{2}$ "	5 $\frac{3}{8}$ "	5 $\frac{5}{8}$ "

FOR INFORMATION ONLY

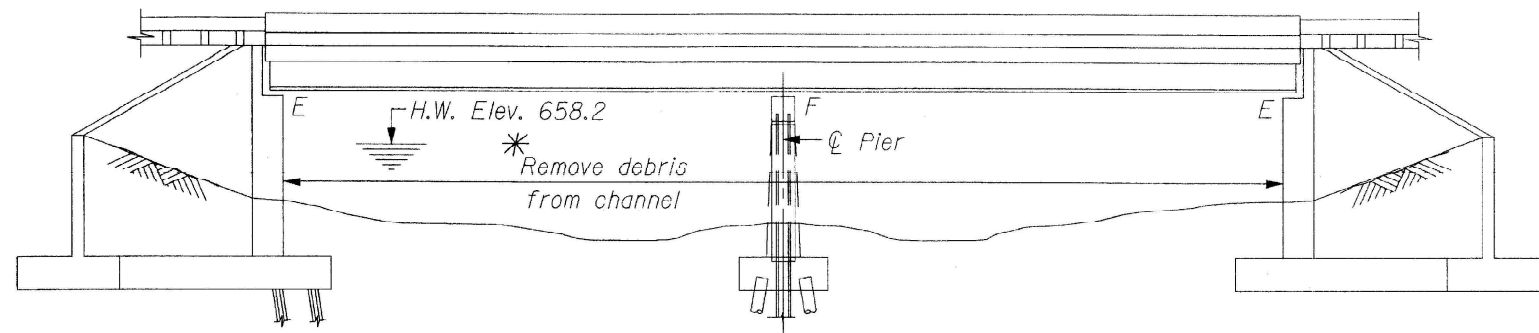
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

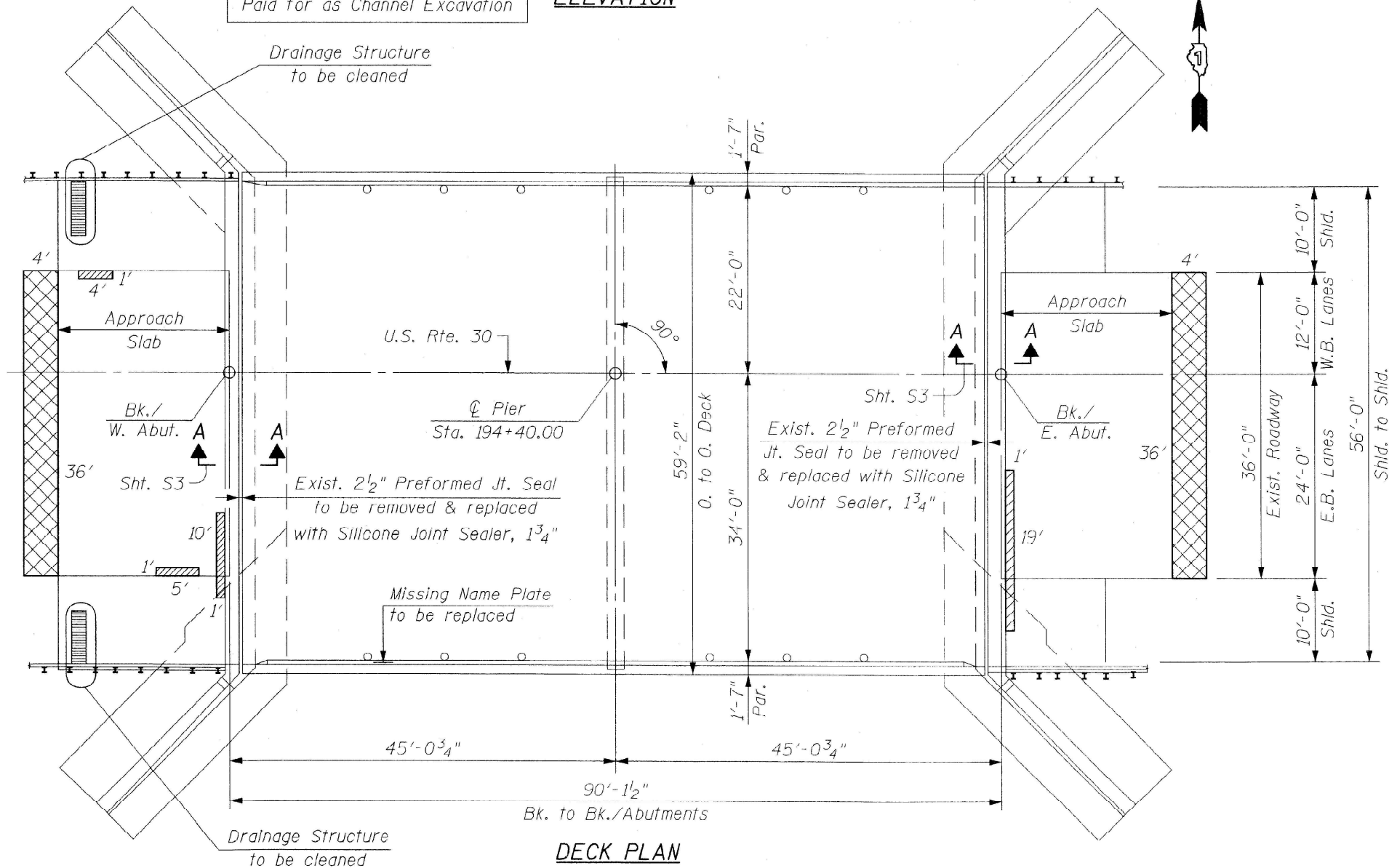
**LOCATION 1: EXISTING BRIDGE PLANS
GALENA BLVD OVER IL 56 (SN 045-0037)**

SCALE:	SHEET 11	OF 16	SHEETS	STA. 0+00.00	TO STA. 0+00.00
--------	----------	-------	--------	--------------	-----------------

F.A.* RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	14
		CONTRACT NO. 62Y02		
		ILLINOIS FED. AID PROJECT		



ELEVATION



DECK PLAN

FOR INFORMATION ONLY

MODEL: 047-0029-01
FILE NAME: c:\pwworkspace\roth\p107016\108725-shd-details.dgn

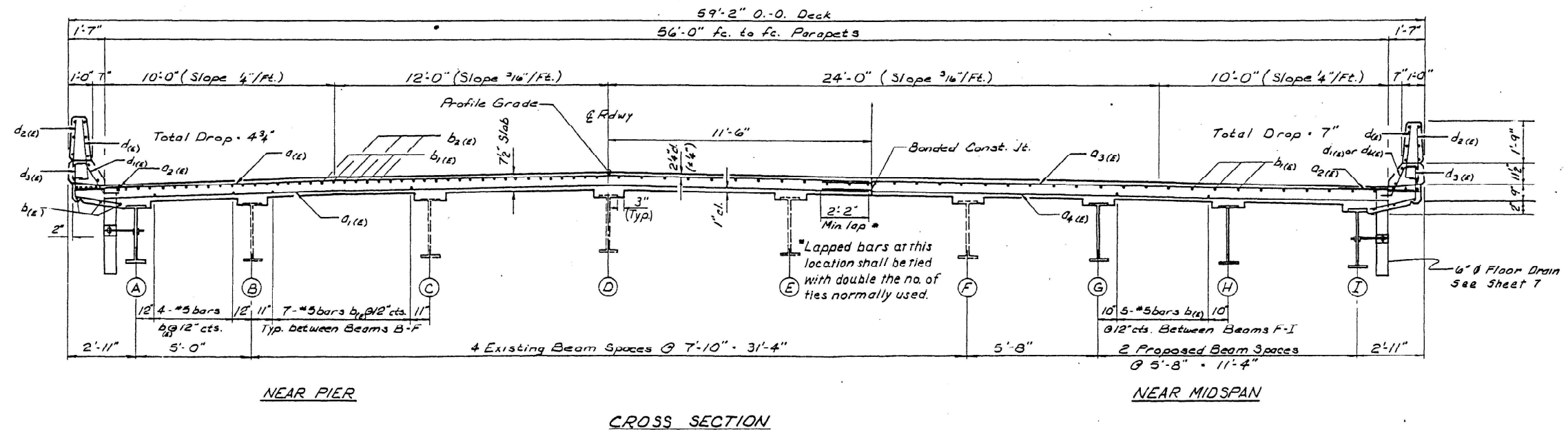
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
US 30 OVER BLACKBERRY CREEK (SN 047-0029)

SCALE: SHEET 12 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	15
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY

MODEL: 047-0029-02
FILE NAME: c:\pwworking\roth\p1070161\108725-shr-details.dgn

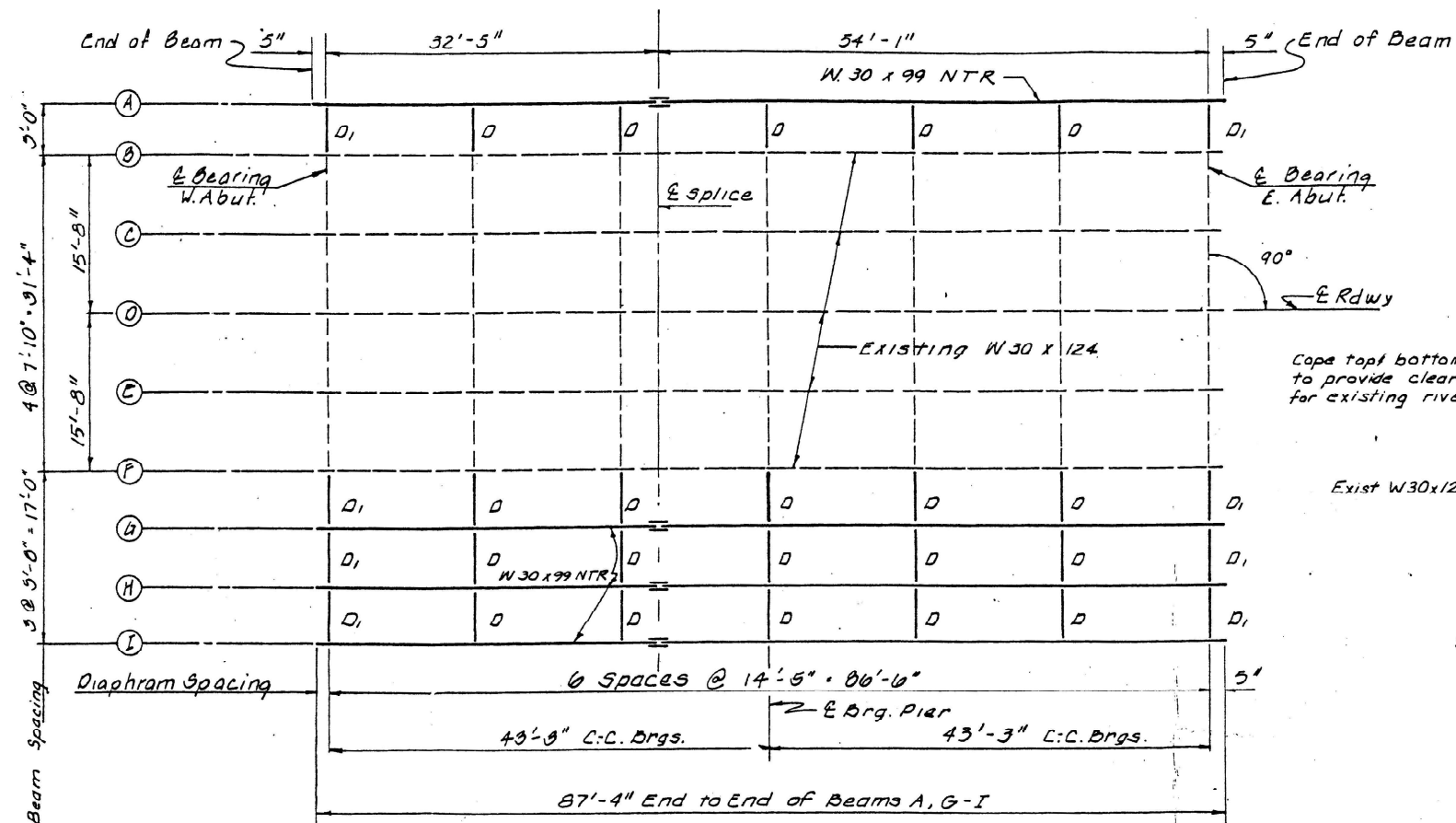
USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
US 30 OVER BLACKBERRY CREEK (SN 047-0029)

SCALE: SHEET 13 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

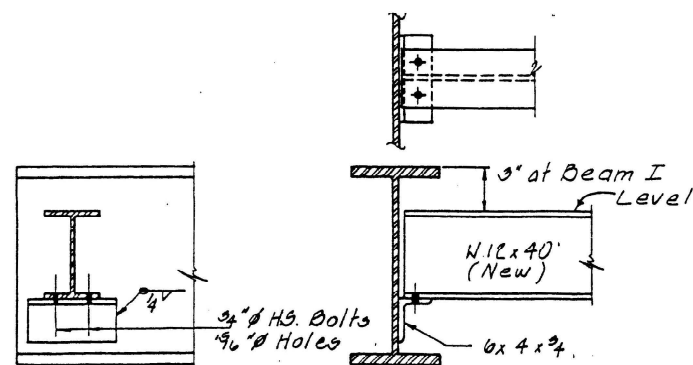
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	16
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



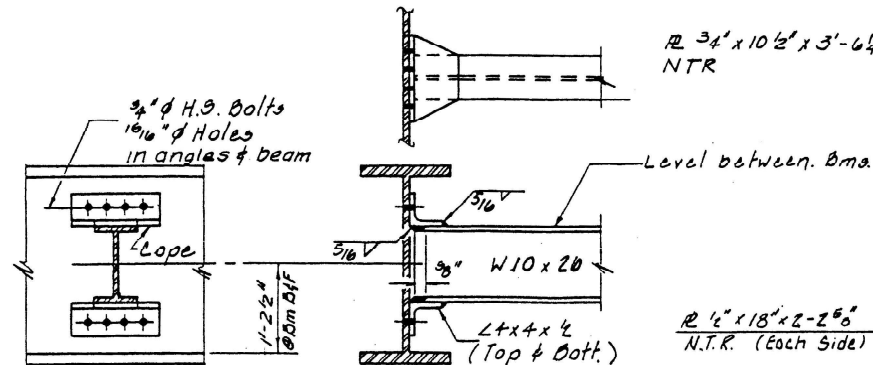
PLAN

NOTE:
NTR - indicates Notch Toughness Requirements
All dimensions are Horizontal dimensions

NOTE:
Hardened washers shall be required over 1 1/16" & oversized Holes (2 per bolt) in diaphragm connections.



DIAPHRAGM D1
8 Required (Proposed)

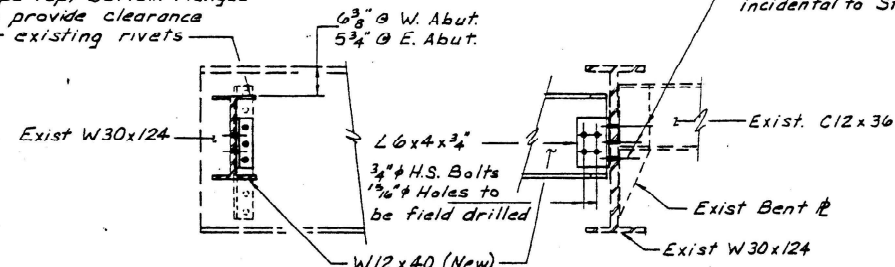


DIAPHRAGM D
40 Required (Proposed)

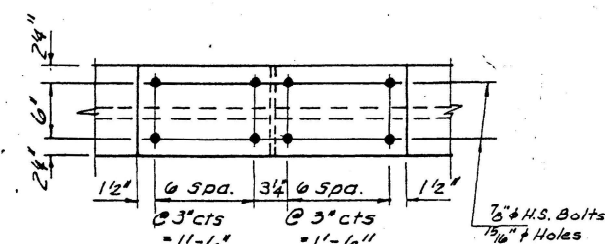
TOP OF BEAM ELEVATIONS

BEAM MARK	E. Brq. W. Abut.	Splice	E. Brq. Pier	E. Brq. E. Abut.
BEAM A	666.095	666.183	666.212	666.328
BEAM B	666.129	666.217	666.246	666.363
BEAM H	666.029	666.113	666.142	666.259
BEAM I	665.908	665.995	666.024	666.141

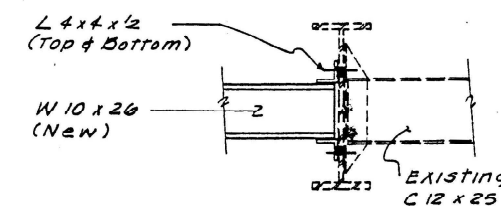
Cope top bottom flanges to provide clearance for existing rivets



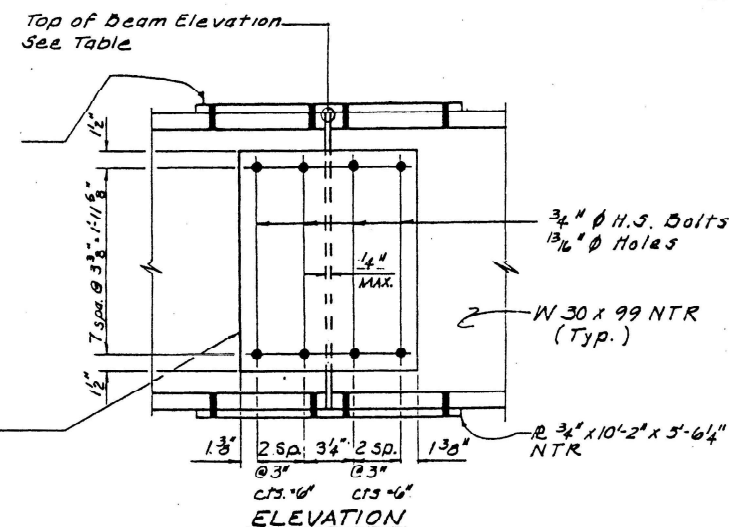
DIAPHRAGM D, CONNECTION TO EXIST. BEAM



PLAN



DIAPHRAGM D CONNECTION TO EXISTING BEAM



SPLICE
(Proposed)
4 Required - Proposed

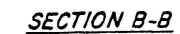
FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
US 30 OVER BLACKBERRY CREEK (SN 047-0029)

SCALE: SHEET 14 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	17
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				

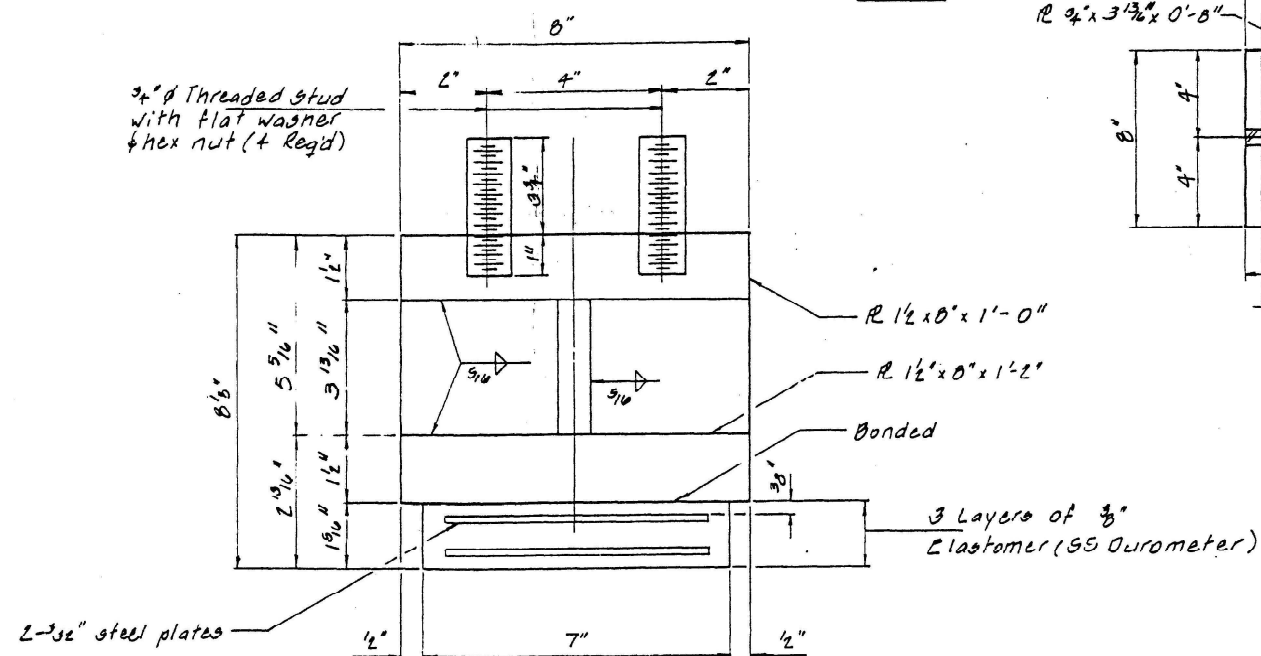


Technical drawing of a square plate with a central rectangular hole and a cross-shaped slot. The plate has a total width of 8 inches and a total height of 8 inches. The central hole is 7 inches wide and 5 inches high. The slot is 1/2 inch wide and 5/8 inch high. The drawing includes dimensions for the plate, hole, and slot, as well as labels for the beam and original plate.

Dimensions and Labels:

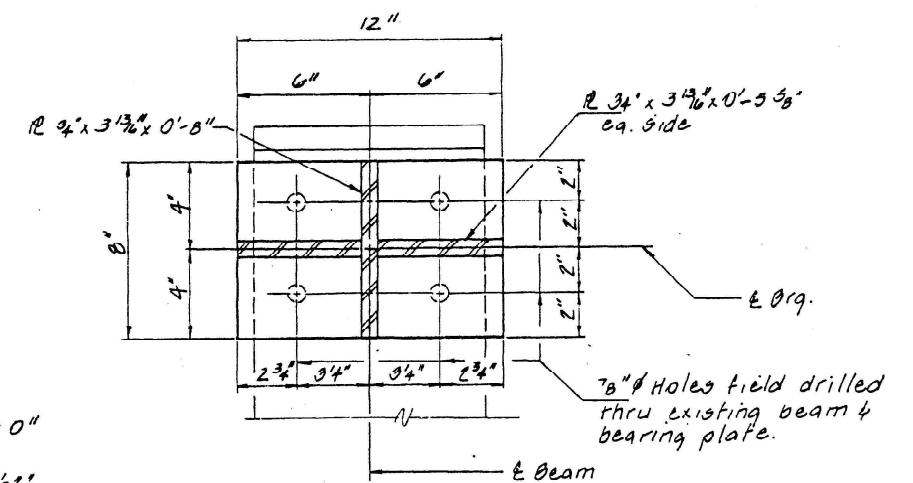
- Plate Dimensions: 8" x 8"
- Hole Dimensions: 7" x 5"
- Slot Dimensions: 1/2" x 5/8"
- Labels: E Beam, E Orig.

SECTION B-B

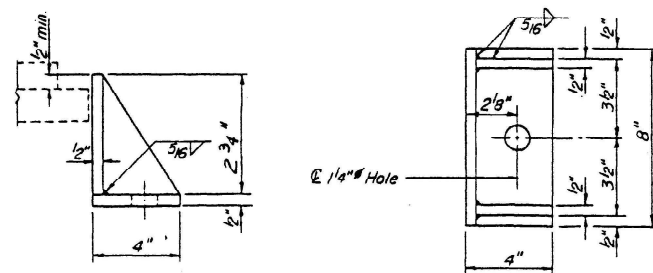


BEARING ASSEMBLY

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



SECTION C-C

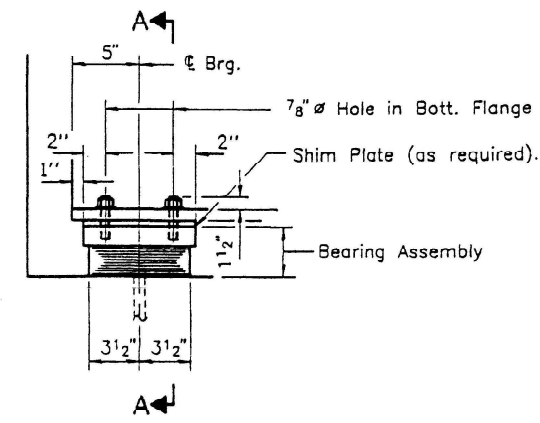


SIDE RETAINER

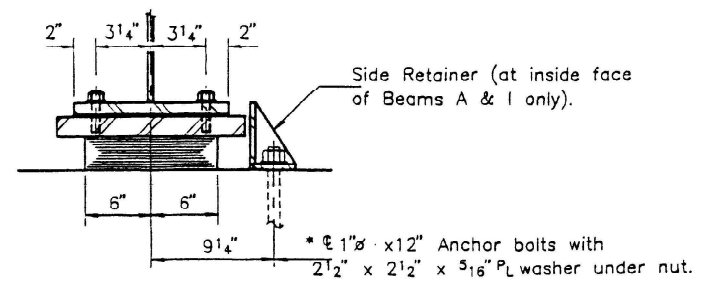
Equivalent rolled angle with stiffeners
will be allowed in lieu of welded plates.
(2 Required)

FOR INFORMATION ONLY

USER NAME = Jacob.Roth	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION 2: EXISTING BRIDGE PLANS US 30 OVER BLACKBERRY CREEK (SN 047-0029)	F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -			VAR	(10-B) BP 24	KANE	24	18	
	CHECKED -	REVISED -			CONTRACT NO. 62Y02					
PLOT DATE = 3/26/2025	DATE -	REVISED -			SCALE:	SHEET 15 OF 16 SHEETS	STA. 0+00.00	TO STA. 0+00.00		
						ILLINOIS FED. AID PROJECT				



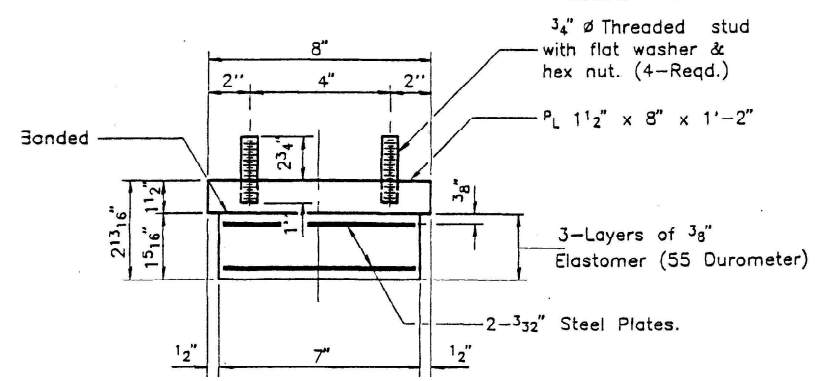
ELEVATION AT ABUT.



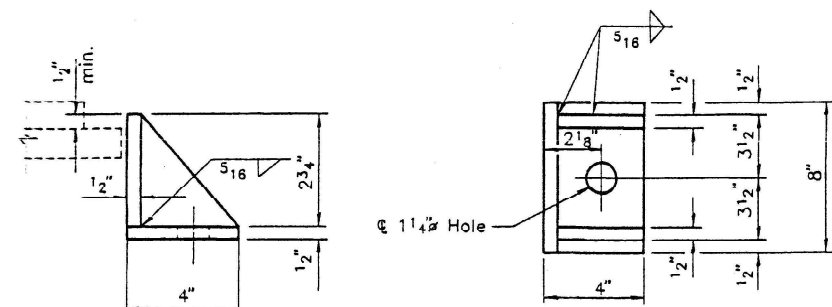
SECTION A-A

TYPE I ELASTOMERIC EXP. BRG.

Beams A & G-I



BEARING ASSEMBLY



SIDE RETAINER

FOR INFORMATION ONLY

MODEL: 047-0029-05
FILE NAME: c:\pwworkspace\road\p1070161\108725-rtt-details.dgn

USER NAME = Jacob.Roth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 3/26/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION 2: EXISTING BRIDGE PLANS
US 30 OVER BLACKBERRY CREEK (SN 047-0029)

SCALE: SHEET 16 OF 16 SHEETS STA. 0+00.00 TO STA. 0+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	19
CONTRACT NO. 62Y02				
ILLINOIS FED. AID PROJECT				



FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY ≥24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL ≤45 MPH	200' (60 m)	200' (60 m)

DISTANCES MAY BE SHORTENED DEPENDING
UPON THE PROXIMITY OF ADJACENT RAMPS
OR INTERSECTIONS.



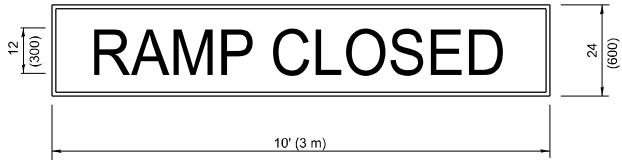
SYMBOLS

TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



RAMP CLOSURE ADVANCE WARNING SIGN



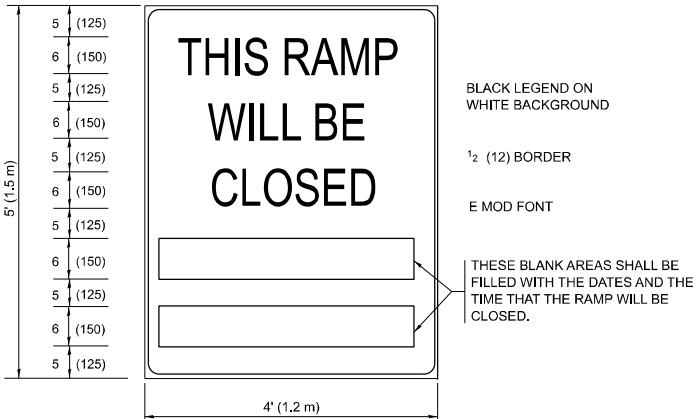
BLACK LEGEND ON ORANGE
BACKGROUND MOUNTED
DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT
GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE
CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

RAMP CLOSURE ADVANCE INFORMATION SIGN



GENERAL NOTES:

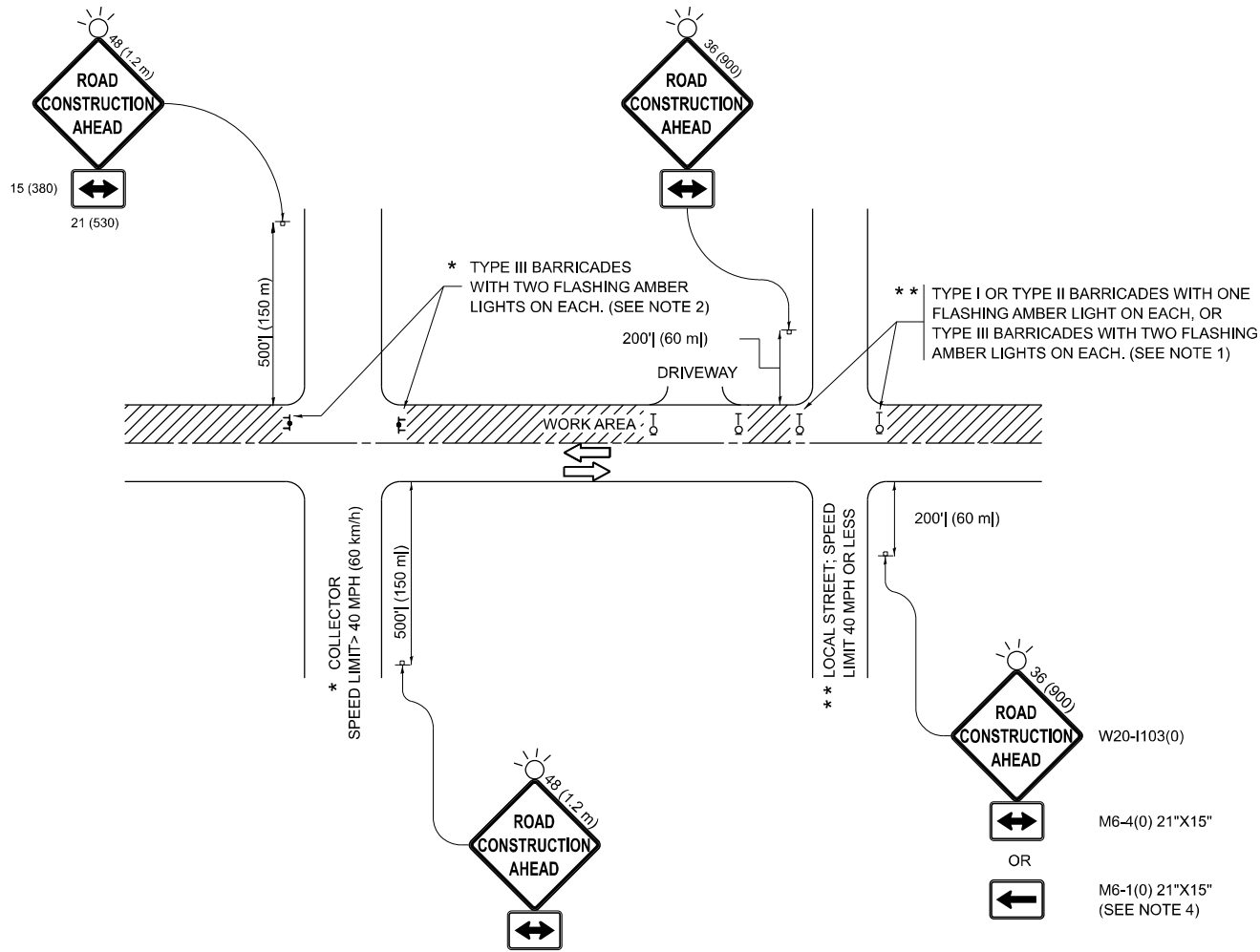
- | | |
|---|---|
| <p>① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.</p> <p>② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.</p> <p>③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.</p> <p>④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.</p> <p>⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).</p> | <p>⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.</p> <p>⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.</p> <p>⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.</p> <p>⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.</p> |
|---|---|

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

	USER NAME = Jacob,Roth	DESIGNED - D.W.S.	REVISED - S.P.B._12-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE AND EXIT RAMP CLOSURE DETAILS				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M.D._06-13						VAR	(10-B) BP 24	KANE	24	20
		CHECKED -	REVISED - M.D._01-18		TC-08					CONTRACT NO. 62Y02			
	PLOT DATE = 3/26/2025	DATE - 02-83	REVISED - D.S._05-24		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.				
									ILLINOIS FED. AID PROJECT				

MODEL: TC-08 [Sheet]
FILE NAME: c:\pw work\pwidot\rothip\1070161\1070161-D109725-sht-DistSids.dgn

MODEL: TC-10 (Sheet)
FILE NAME: c:\p\work\work\trb\trb\p\107016\107016-00725-shd-DistSigs.dgn



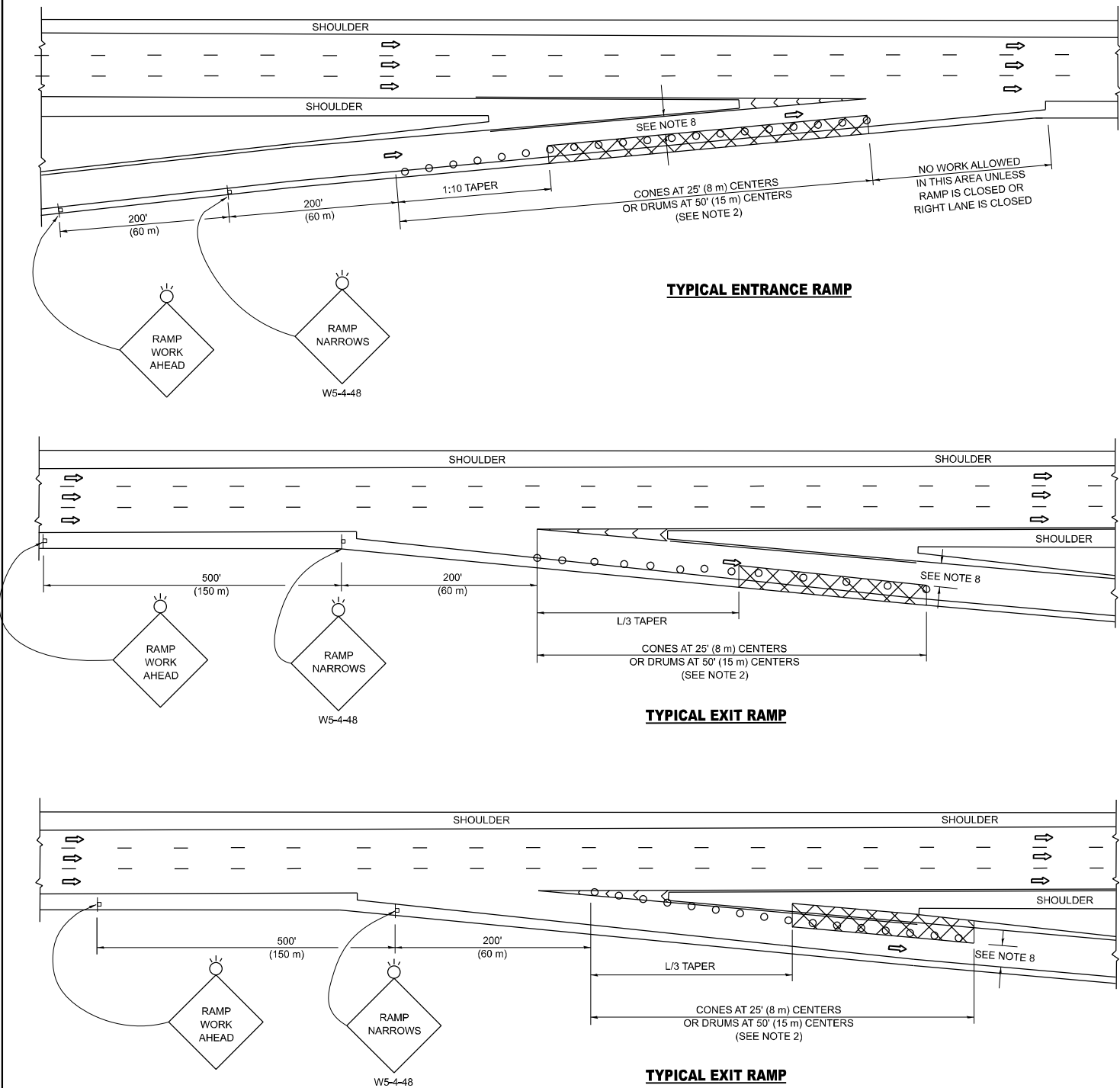
NOTES:

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

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

	USER NAME = Jacob,Roth	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS				F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED - A. SCHUETZE 07-01-13						VAR	(10-B) BP 24	KANE	24	21			
		CHECKED -	REVISED - A. SCHUETZE 09-15-06						TC-10					CONTRACT NO. 62Y02		
	PLOT DATE = 3/26/2025	DATE - 06-89	REVISED - D. SENDERAK 05-03-24						ILLINOIS FED. AID PROJECT							
	SCALE:		SHEET OF SHEETS						STA.		TO STA.					

PARTIAL RAMP CLOSURE DETAILS



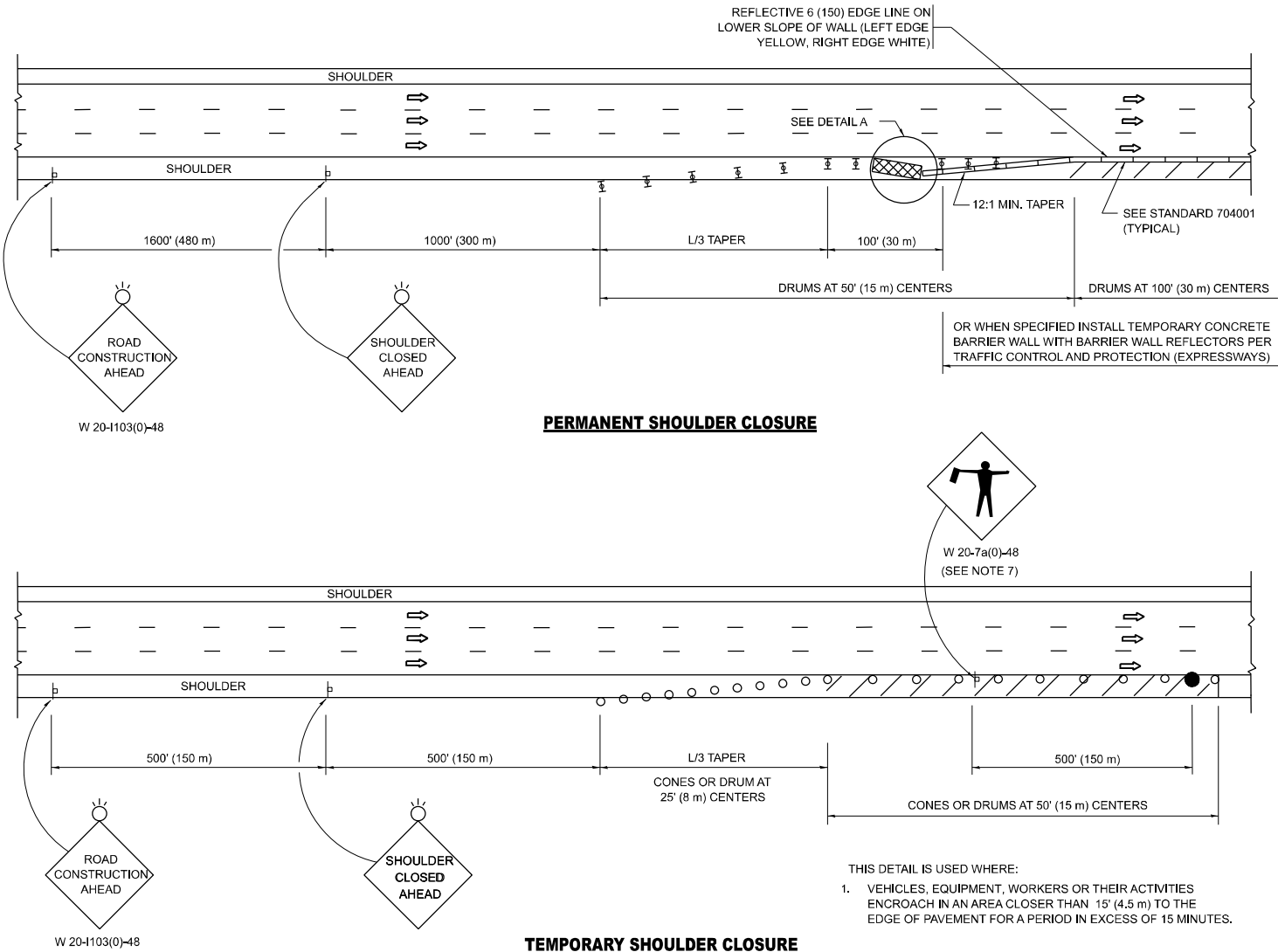
SYMBOLS

- 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

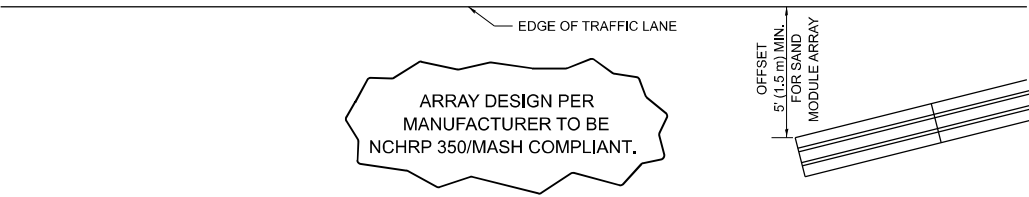


PERMANENT SHOULDER CLOSURE

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 ENCROACHMENT 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.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	22
TC-17		CONTRACT NO. 62Y02		
ILLINOIS		FED. AID PROJECT		

MODEL: TC-21 [Sheet]
FILE NAME: c:\pwwork\proj\road\trb\pjd1070161\ID108725-shh-Dist\Stdts.dgn



FOR U.S. ROUTES
M1-40-2424



FOR ILLINOIS ROUTES
M1-50-2424



R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND



M5-1L-2115



M5-1R-2115



M6-1-2115



M6-1-2115



M6-3-2115

NORTH

M3-1-2412

EAST

M3-2-2412

SOUTH

M3-3-2412

WEST

M3-4-2412

DETOUR

M4-8-2412

The diagram illustrates the placement of detour signs for a 'COMPLETELY CLOSED PORTION' of a 'STATE ROUTE'. It shows a horizontal road with a section marked with cross-hatching and labeled 'COMPLETELY CLOSED PORTION'. To the left, the road is labeled 'STATE ROUTE'. To the right, it is also labeled 'STATE ROUTE'. Several 'MINOR STREET' and 'MAJOR STREET' cross the main road. The diagram shows various signs including 'ROAD CLOSED 500 FT', 'DETOUR AHEAD', and directional detour signs for 'EAST' and 'WEST' directions. It also shows 'TYPE III BARRICADES' and 'ROAD CLOSED' signs with arrows indicating the detour path. Distances like 500', 300', and 200' are marked along the road. A legend on the left defines the symbols for route markers, arrows, and cardinal directions.

* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

	USER NAME	= Jacob,Roth	DESIGNED	-	
	DRAWN	-	REVISED	-	10-18-02
	CHECKED	-	REVISED	-	R. BORO 09-14-09
	DATE	-	REVISED	-	
PLOT DATE	=	3/26/2025			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(10-B) BP 24	KANE	24	23
TC-21		CONTRACT NO. 62Y02		
ILLINOIS FED. AID PROJECT				

