

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

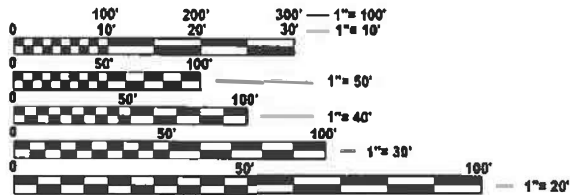
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	31	1
ILLINOIS CONTRACT NO. 80F22				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

ROUTE: VARIOUS EXPRESSWAYS AND ARTERIALS
HIGHWAYS - DISTRICT ONE
SECTION 2026-2261-GRR
MCHD GUARDRAIL REPAIRS
VARIOUS COUNTIES

C-91-354-26



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	C.U.A.N. CHICAGO UTILITY ALERT NETWORK 1-312-744-7000
---	---

PROJECT ENGINEER: OSCAR OLIVEROS (847) 705-4548
PROJECT MANAGER: PETER BLUMBERG (847) 705-4170

CONTRACT NO. 80F22

SEE LOCATION MAPS
SHEETS 005 THRU 013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED June 23, 2026

REGIONAL ENGINEER

August 14, 2026

ENGINEER OF DESIGN AND ENVIRONMENT

August 14, 2026

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: GenNotesStd11 [Sheet]
FILE NAME: c:\pwwork\peridat\yuyang.deng@illinois.gov\1248191\1C135426-shl-gemnote.dgn

INDEX OF SHEETS

1	COVERSHEET
2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5	NORTH DUPAGE COUYNTY LOCATION MAP
6	NORTH KANE COUNTY LOCATION MAP
7	LAKE COUNTY COUNTY LOCATION MAP
8	MCHENRY COUNTY LOCATION MAP
9	NORTH COOK COUNTY LOCATION MAP
10	SOUTH COOK COUNTY LOCATION MAP
11	SOUTH KANE COUNTY LOCATION MAP
12	SOUTH DU PAGE COUNTY LOCATION MAP
13	WILL COUNTY LOCATION MAP
14	DETAIL OF THRIE-BEAM GUARDRAIL WITH MODIFIED OFFSET BLOCK
15	STEEL PLATE BEAM GUARDRAIL STEEL BLOCK-OUT DETAIL
16	CURB REMOVAL (PARTIAL) AND SHOULDER WIDENING FOR TRAFFIC BARRIER TERMINAL ,TYPE 1 SPECIAL
17	STEEL BRIDGE RAIL DETAIL
18	TYPICAL DETAIL TO ANCHOR STEEL PLATE BEAM GUARD RAIL ON CONCRETE (BM-02)
19	TYPICAL DETAIL FOR GUARDRAIL ANCHOR BLOCK REPAIR (BM-03)
20	TYPICAL DETAILS FOR STEEL PLATE BEAM GUARDRAIL ANCHORAGE REPAIR (BM-04)
21	DETAIL FOR CENTER LONGITUDINAL GUARDRAIL JOINT (BM-05)
22	DETAIL OF STEEL PLATE BEAM GUARDRAIL SPECIAL (BM-06)
23	DETAIL OF GUARDRAIL SUPPORT AND END ANCHORAGE (BM-07)
24 - 26	T6 TERMINAL FOR USE WITH 21" HIGH SPBGR (BM-22)
27	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
28	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE TC-09)
29	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
30	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
31	TRAFFIC CONTROL DETAIL FOR SHOULDER CLOSURE AND PARTIAL RAMP CLOSURES (TC-17)
32	SIGNING FOR FLAGGING OPERATIONS AT WORK ZONEOPENINGS (TC-18)

LIST OF STATE STANDARDS

630001 - 13	STEEL PLATE BEAM GUARDRAIL
630101 - 11	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301 - 09	SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
631006 - 08	TRAFFIC BARRIER TERMINAL TYPE 1B
631011 - 10	TRAFFIC BARRIER TERMINAL TYPE 2
631026 - 06	TRAFFIC BARRIER TERMINAL TYPE 5
631031 - 18	TRAFFIC BARRIER TERMINAL TYPE 6
631046 - 04	TRAFFIC BARRIER TERMINAL TYPE 10
701006 - 05	OFF-RD OPERATIONS 2L 2W 15' TO 24" FROM PAVEMENT EDGE
701011 - 04	OFF-RD MOVING OPERATIONS 2L 2W DAY ONLY
701106 - 02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201 - 05	LANE CLOSURE, 2L 2W, DAY ONLY 45MPH OR MORE
701301 - 04	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701311 - 03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS DAY ONLY
701336 - 07	LANE CLOSURE, 2L 2W, WORK AREAS IN SERIES 45MPH OR MORE
701400 - 12	APPROACH TO LANE CLOSURE FREEWAY EXPRESSWAY
701401 - 13	LANE CLOSURE FREEWAY EXPRESSWAY
701411 - 09	LANE CLOSURE MULTILANE ENTRANCE OR EXIT RAMP 45MPH OR MORE
* 701421 - 08	LANE CLOSURE MULTILANE DAY OPERATIONS ONLY 45-55MPH
701426 - 09	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATIONS 45MPH OR MORE
701427 - 05	LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATIONS 40MPH OR LESS
701428 - 01	TRAFFIC CONTROL SETUP REMOVAL FREEWAY EXPRESSWAY
701501 - 06	URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
701502 - 09	URBAN LANE CLOSURE, 2L 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601 - 09	URBAN LANE CLOSURE MULTILANE, 1W 2W WITH NONTRAVERSABLE MEDIAN
701606 - 10	URBAN SINGLE LANE CLOSURE MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 10	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801 - 06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901 - 11	TRAFFIC CONTROL DEVICES
720011 - 01	METAL POSTS FOR SIGNS MARKERS AND DELINEATORS
782006 - 01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR23 - 4	TRAFFIC BARRIER TERMINAL TYPE 1
701446 - 11	TWO LANE CLOSURE FREEWAY EXPRESSWAY

GENERAL NOTES

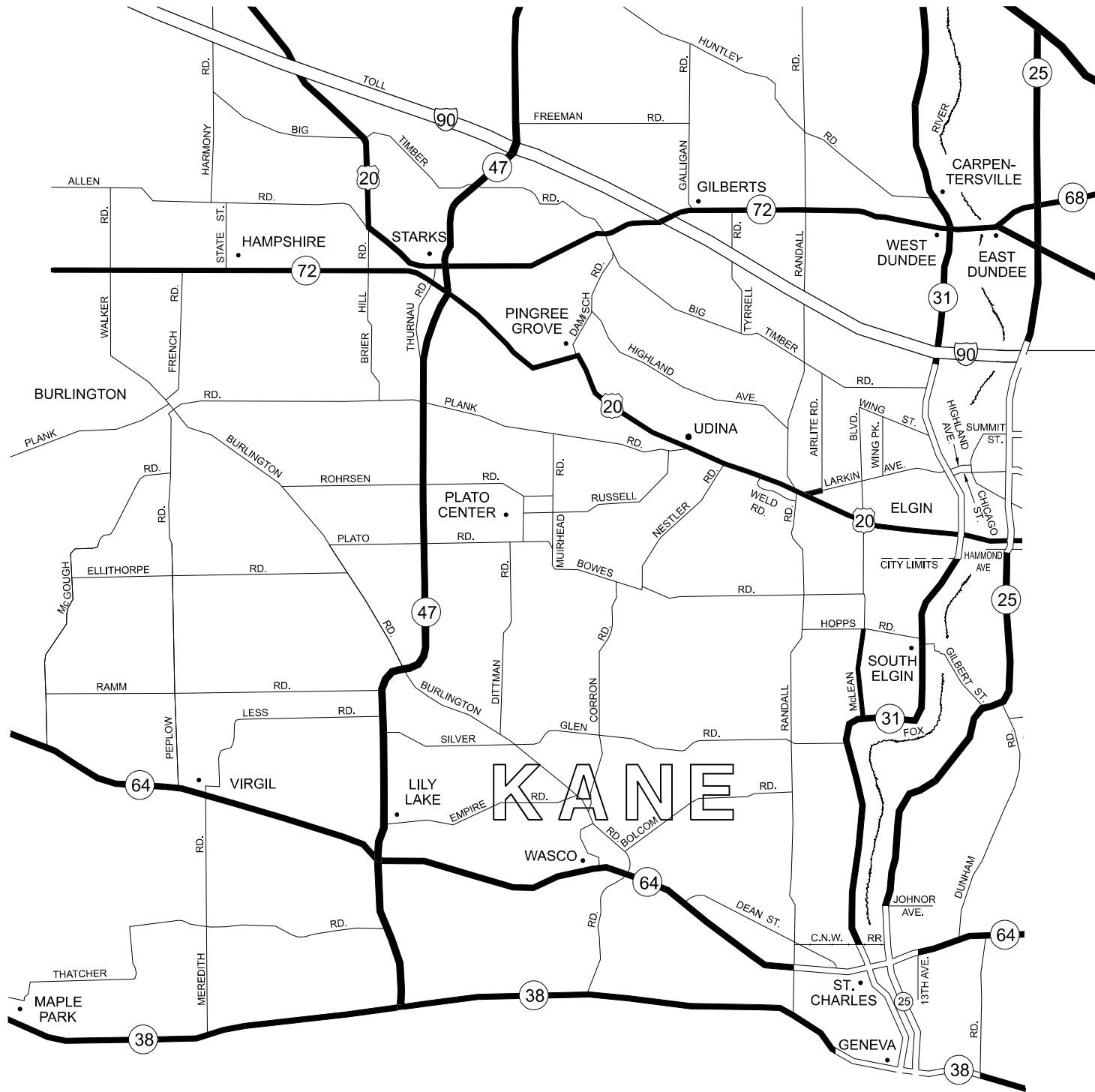
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 OR "CUAN" AT (312) 744-700 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- ALL WORK IS TO BE REPLACED IN KIND OR AS INDICATED ON THE CONTRACT QUANTITY SHEET. GUARDRAIL WORK WILL INCLUDE ALIGNMENT AS NECESSARY TO RESTORE THE RAIL TO THE ORIGINAL CONDITIONS.
- REMOVAL OF DAMAGED MATERIALS WILL INCLUDE DISMANTLING, LOADING, HAULING AND DISPOSAL. THE WORK SITE WILL BE LEFT IN A SAFE AND ORDERLY CONDITION.
- NO MATERIAL SHOULD BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR; APPROPRIATE STANDARDS ARE HEREWITH ATTACHED.
- THE LIMITS OF THE DAMAGED GUARDRAIL WILL BE MARKED WITH PAINT. THE REPLACEMENT PARTS AND THE QUANTITIES INDICATED ARE WITHIN THESE LIMITS AS MARKED.
- REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS WILL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.
- GUARDRAIL MARKERS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.
- THE CONTRACTOR SHALL TELEPHONE THE IDOT BUREAU OF TRAFFIC OPERATIONS, ELECTRICAL MAINTENANCE SECTION AT 708-524-2145 TO REQUEST THE LOCATE FOR UNDERGROUND ELECTRICAL AND/OR FIBER CABLE PRIOR TO ANY DIGGING AS PER THE CONTRACT.
- REMOVAL OF EXISTING TERMINAL SECTIONS INCLUDED IN COST OF NEW TERMINAL SECTIONS
- THE CONTRACTOR SHALL SUBMIT ALL DAILY LANE, RAMP AND SHOULDER CLOSURES VIA WWW.IDOTLCS.COM AT LEAST 24 HOURS IN ADVANCE OF ALL DAILY LANE, AND RAMP AND SHOULDER CLOSURES. THE CONTRACTOR SHALL REQUEST AND GAIN THE APPROVAL FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S EXPRESSWAY TRAFFIC OPERATIONS ENGINEER AT (847) 705-4151 OR (847) 705-4155.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

* MOVING LANE CLOSURES NOT PERMITTED ON EXPRESSWAYS

REVISED SHEET 8/29/2025

	USER NAME = Yuyang.Deng	DESIGNED -	REVISED - JE 8/29/2025	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						VAR	2026-2261-GRR	VARIOUS	32	2
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -						CONTRACT NO. 80F22				
	PLOT DATE = 6/18/2026	DATE -	REVISED -		SCALE:	SHEET	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT	100% STATE 0021		100% STATE MCHD 0021					CODE NO	ITEM	UNIT	100% STATE 0021	100% STATE MCHD 0021									
63000001	STEEL PLATE BEAM GUARDRAIL , TYPE A, 6	FOOT	475	400	75					X6300210	GUARDRAIL BLOCKS	EACH	1630	1305	325								
	FOOT POSTS																						
63100041	TRAFFIC BARRIER TERMINAL , IYPE 1B	EACH	3	2	1					X6300215	RAIL ELEMENT PLATES	EACH	2078	1662	416								
63100045	TRAFFIC BARRIER TERMINAL , TYPE 2	EACH	20	18	2					X6300217	RAIL ELEMENT PLATES (RADIUS)	EACH	100	80	20								
63100070	TRAFFIC BARRIER TERMINAL , TYPE 5	EACH	3	2	1					X6300222	CONNECTING END SECTION	EACH	50	40	10								
63100085	TRAFFIC BARRIER TERMINAL , TYPE 6	EACH	6	5	1					X6300224	RETURN END SECTION	EACH	10	8	2								
63100167	TRAFFIC BARRIER TERMINAL , TYPE 1	EACH	215	200	15					X6300225	SINGLE END SECTION	EACH	17	14	3								
	(SPECIAL) TANGENT																						
										X6300230	STEEL POSTS	EACH	2400	2000	400								
63100169	TRAFFIC BARRIER TERMINAL , TYPE 1	EACH	12	10	2					X6300610	THRIE BEAM GUARDRAIL ELEMENT PLATES	EACH	7	6	1								
	(SPECIAL) FLARED																						
										X6300620	THRIE-BEAM MODIFIED BLOCKS	EACH	7	6	1								
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	100	80	20					X6300630	THRIE-BEAM POSTS	EACH	7	6	1								
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	700	660	40					X6300640	THRIE BEAM RADIUS ELEMENT PLATES	EACH	4	3	1								
X2300019	REATTACHING AND REALIGNING TERMINALS	EACH	22	16	6					X6310163	TRAFFIC BARRIER TERMINAL , TYPE 1, NOSE	EACH	10	8	2								
	AND RAIL ELEMENT PLATES																						
X4402302	CURB REMOVAL (PARTIAL)	FOOT	149	119	30					X6310177	TRAFFIC BARRIER TERMINAL , TYPE 3	EACH	4	3	1								
											(SPECIAL)												
X6300162	REPAIR STEEL PLATE BEAM GUARDRAIL ,	FOOT	50	40	10																		
	TYPE B									X6310203	TRAFFIC BARRIER TERMINAL , TYPE 3	EACH	3	2	1								
											SPECIAL , NOSE												
X6300164	REPAIR STEEL PLATE BEAM GUARDRAIL ,	FOOT	50	40	10																		
	TYPE C									X6330800	GUARDRAIL POST VERTICAL ADJUSTMENT	EACH	23	18	5								
		USER NAME = Yuyang,Deng		DESIGNED -		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.		
				DRAWN -		REVISED -										VAR	2026-2261-GRR		VARIOUS	32	3		
				CHECKED -		REVISED -														CONTRACT NO. 80F22			
PLOT DATE = 6/18/2026		DATE -		REVISED -								SCALE:	SHEET	OF 2	SHEETS	STA.	TO STA.	ILLINOIS FED.AID PROJECT					



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURIDICITION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

MODEL: Kane County (Sheet)
FILE NAME: c:\p\work\kane\illinois.gov\jacek.ejmont\115125-sht-plan.dgn

USER NAME	= jacek.ejmont	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/11/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**GUARDRAIL REPAIR LOCATION MAP
NORTH KANE INCLUDING IL 38**

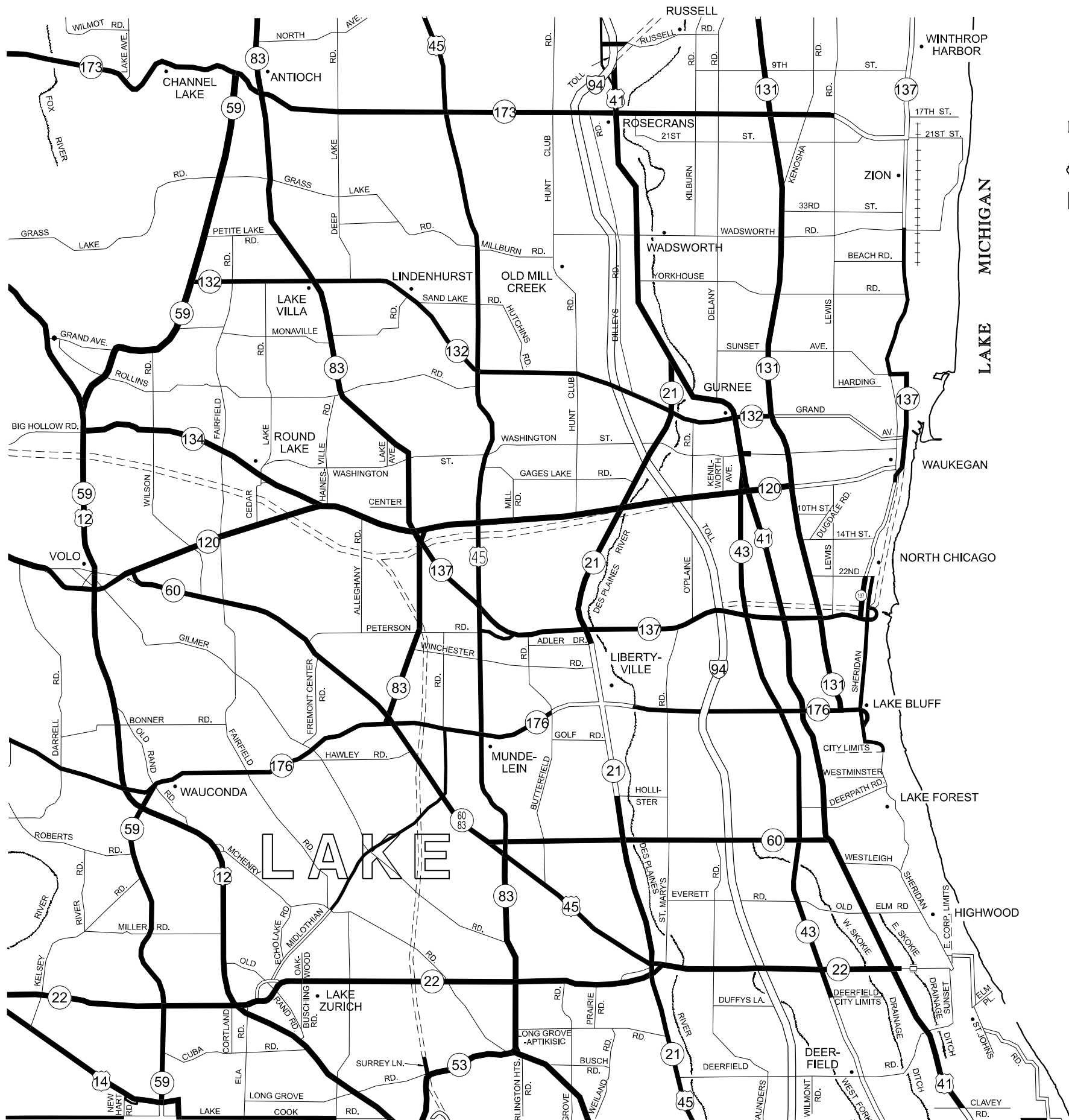
SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	6
CONTRACT NO. 62Y32				

**VARIOUS

**VARIOUS

MODEL: Lake County [Sheet]
FILE NAME: c:\paw\work\lcc\illinois.gov_jackk.ejmont\1124556D115125-sht-plan.dgn



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURISDICTION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

USER NAME	= jacek.ejmont	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/11/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

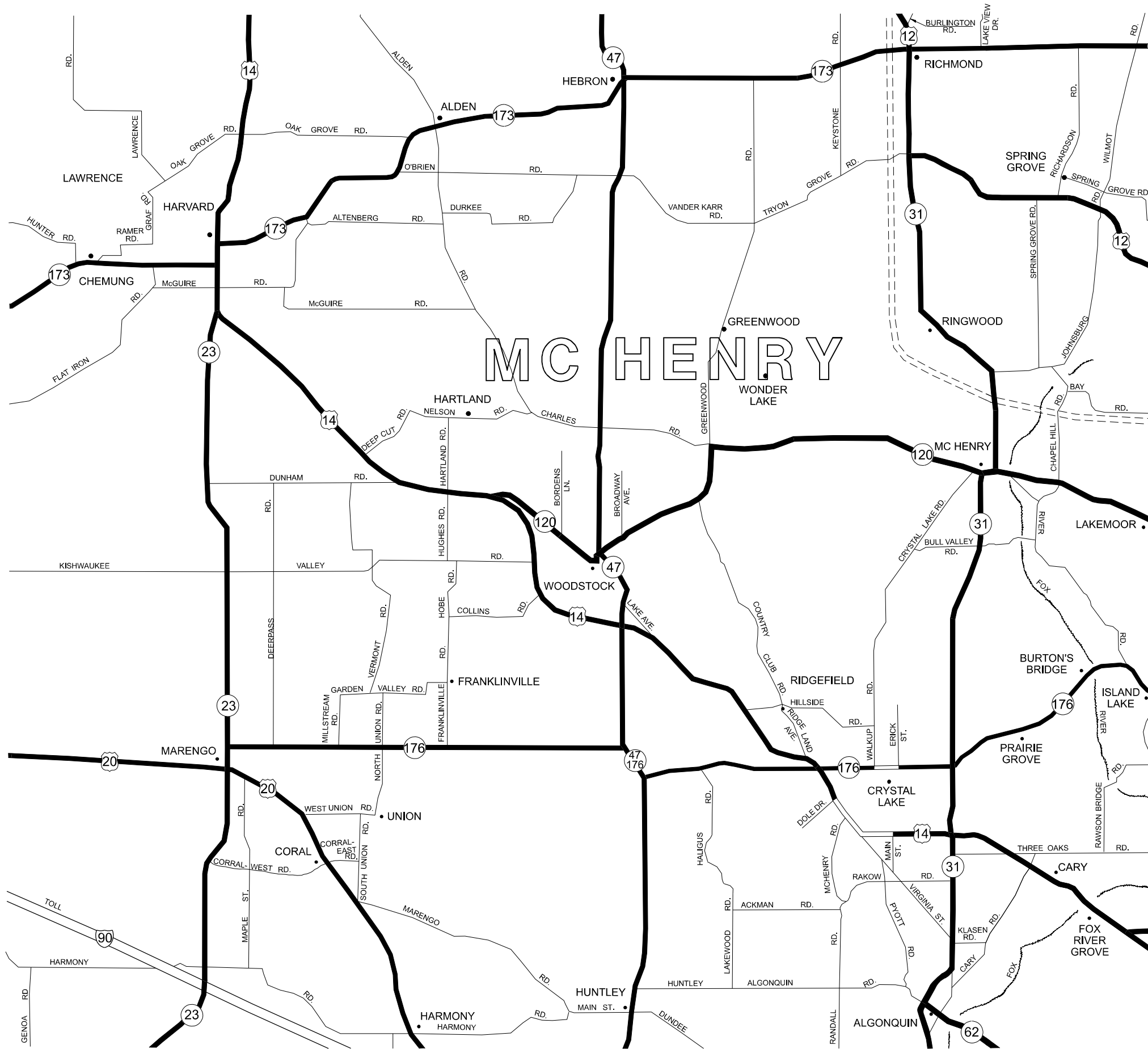
GUARDRAIL REPAIR LOCATION MAP LAKE COUNTY

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	7
CONTRACT NO. 62Y32				
ILLINOIS FED. AID PROJECT				

**VARIOUS

*VARIOUS



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURISDICTION,
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

MODEL: McHenry County (Sheet)
FILE NAME: c:\pw_work\kaidi\yuyang.deng@illinois.gov\1248191\1C135426-shh-plan.dgn

USER NAME	= Yuyang.Deng	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 6/18/2026	DATE	-	REVISED	-

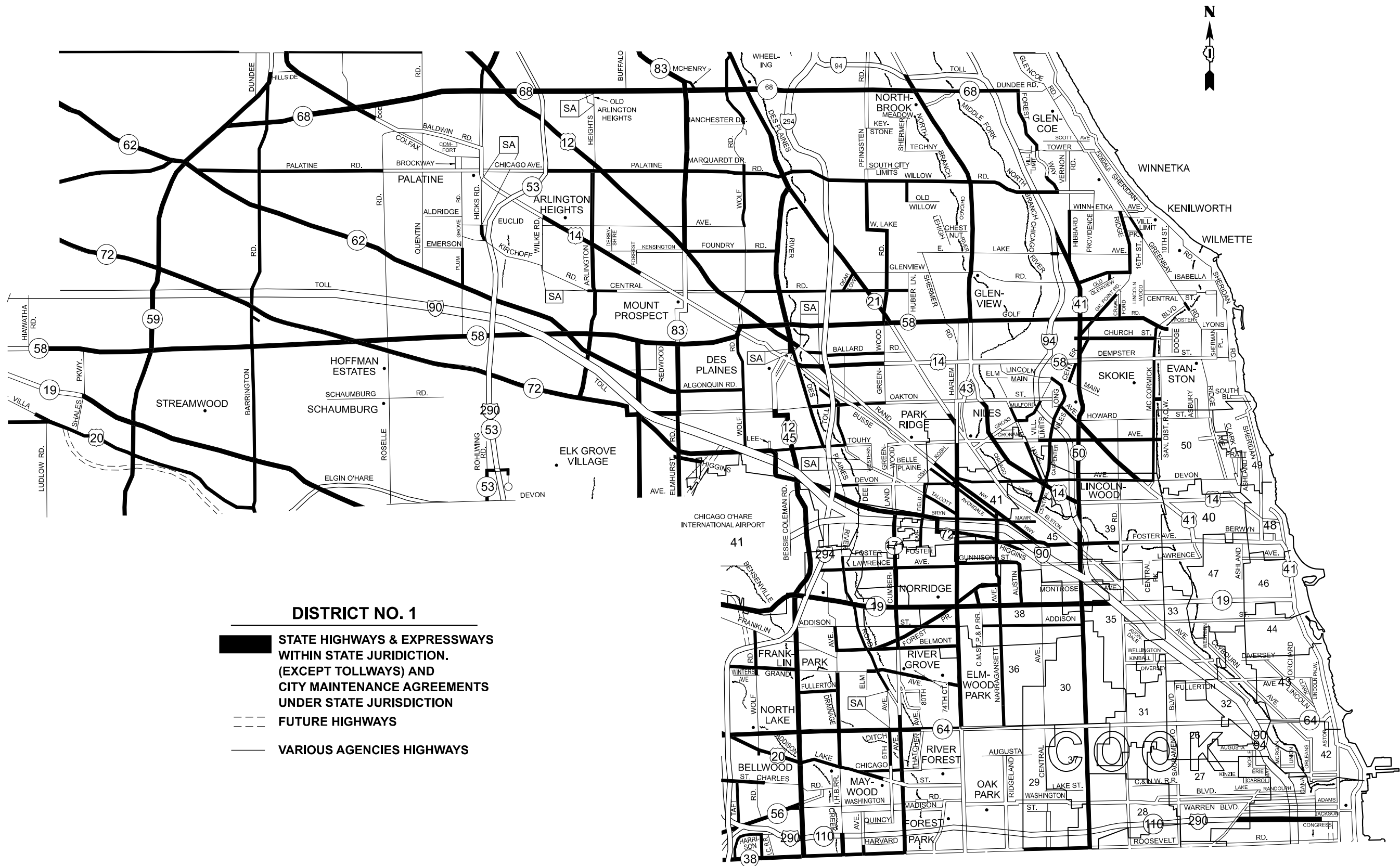
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPAIR LOCATION MAP MCHENRY COUNTY

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	32	8
CONTRACT NO. 80F22				
ILLINOIS FED. AID PROJECT				

MODEL: North Cook County (Sheet)
FILE NAME: c:\pawork\work\illinois\gov\jacek.ejmont\1124556D115125-sht-plan.dgn



PLOT DATE = 7/11/2025	USER NAME = jacek.ejmont	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPAIR LOCATION MAP
NORTH COOK INCLUDING IL 38

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	9
CONTRACT NO. 62Y32				

**VARIOUS

ILLINOIS FED. AID PROJECT

**VARIOUS

MODEL: South Cook County (Sheet)
FILE NAME: c:\pw_work\pwrtd\illinois.gov_jack.ejmont\115125-sht-plan.dgn



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURISDICTION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPAIR LOCATION MAP
SOUTH COOK INCLUDING IL 38

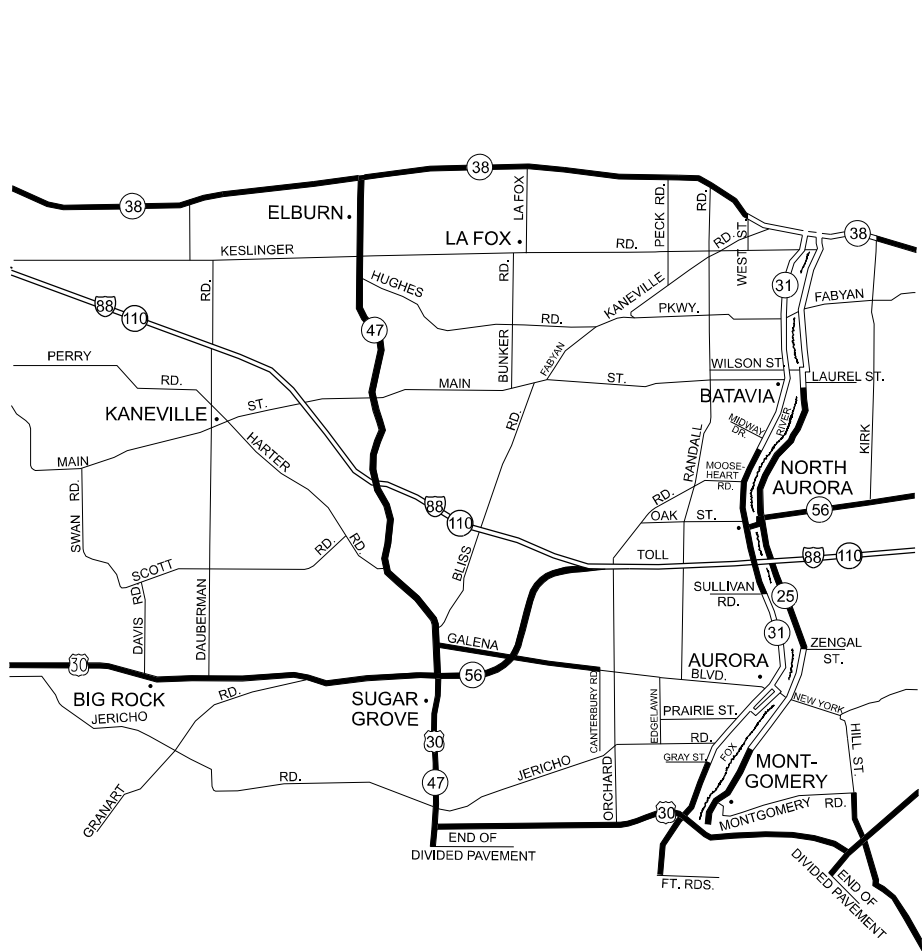
SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	10
CONTRACT NO. 62Y32				
ILLINOIS FED. AID PROJECT				

**VARIOUS

**VARIOUS

MODEL: South of Route 38 [Sheet]
FILE NAME: c:\pw_work\pwtol\illinois.gov_jacek.ejmont\115125-sht-plan.dgn



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURISDICTION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

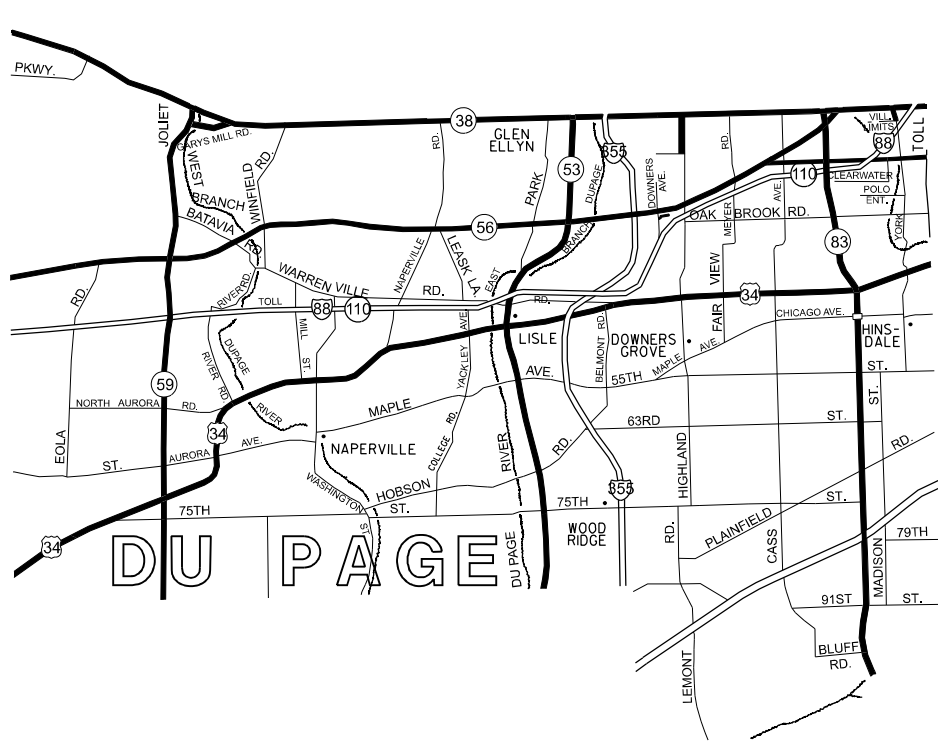
GUARDRAIL REPAIR LOCATION MAP
SOUTH KANE INCLUDING IL 38

SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	11
CONTRACT NO. 62Y32				
ILLINOIS FED. AID PROJECT				

**VARIOUS

*VARIOUS



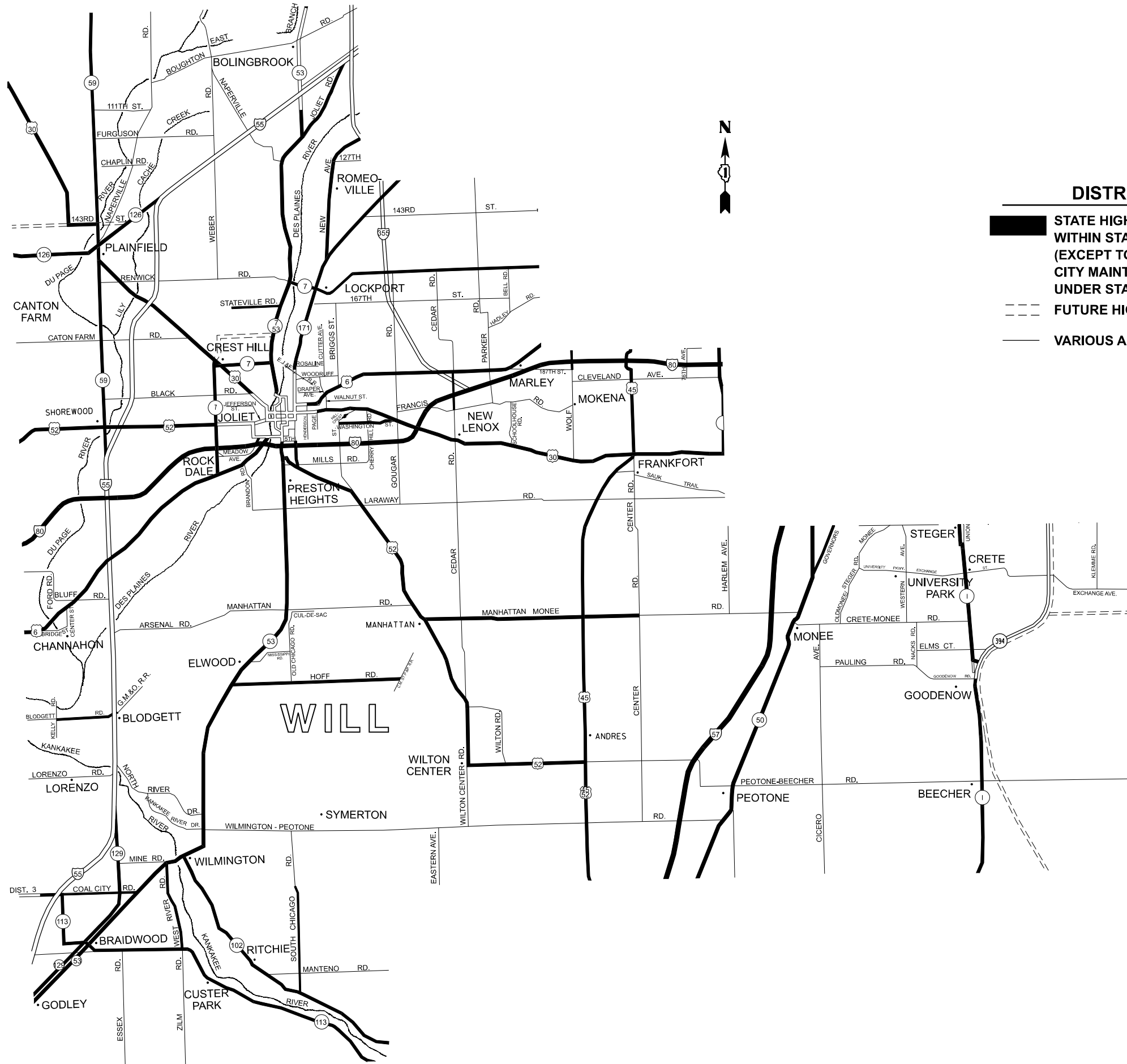
DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURIDICTION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION**
- FUTURE HIGHWAYS**
- VARIOUS AGENCIES HIGHWAYS**

MODEL: South of Route 39-2 [Sheet]
FILE NAME: c:\pw_work\pwid\illinois.gov_jacek.ejmont@illinois.gov\d1124556D115125-sht-plan.dgn

	USER NAME = jacek.ejmont	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL REPAIR LOCATION MAP SOUTH DUPAGE INCLUDING IL 38				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -						**	2025-1083-GRR	*	32	12	
		CHECKED -	REVISED -						CONTRACT NO. 62Y32					
	PLOT DATE = 7/11/2025	DATE -	REVISED -		SCALE:				SHEET	OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

VARIOUS



DISTRICT NO. 1

- STATE HIGHWAYS & EXPRESSWAYS
WITHIN STATE JURISDICTION.
(EXCEPT TOLLWAYS) AND
CITY MAINTENANCE AGREEMENTS
UNDER STATE JURISDICTION
- FUTURE HIGHWAYS
- VARIOUS AGENCIES HIGHWAYS

MODEL: Will County (Sheet)
FILE NAME: c:\pw\work\willcounty\illinois.gov\jacek.ejmont\115125-shit-plan.dgn

USER NAME	= jacek.ejmont	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 7/11/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL REPAIR LOCATION MAP WILL COUNTY

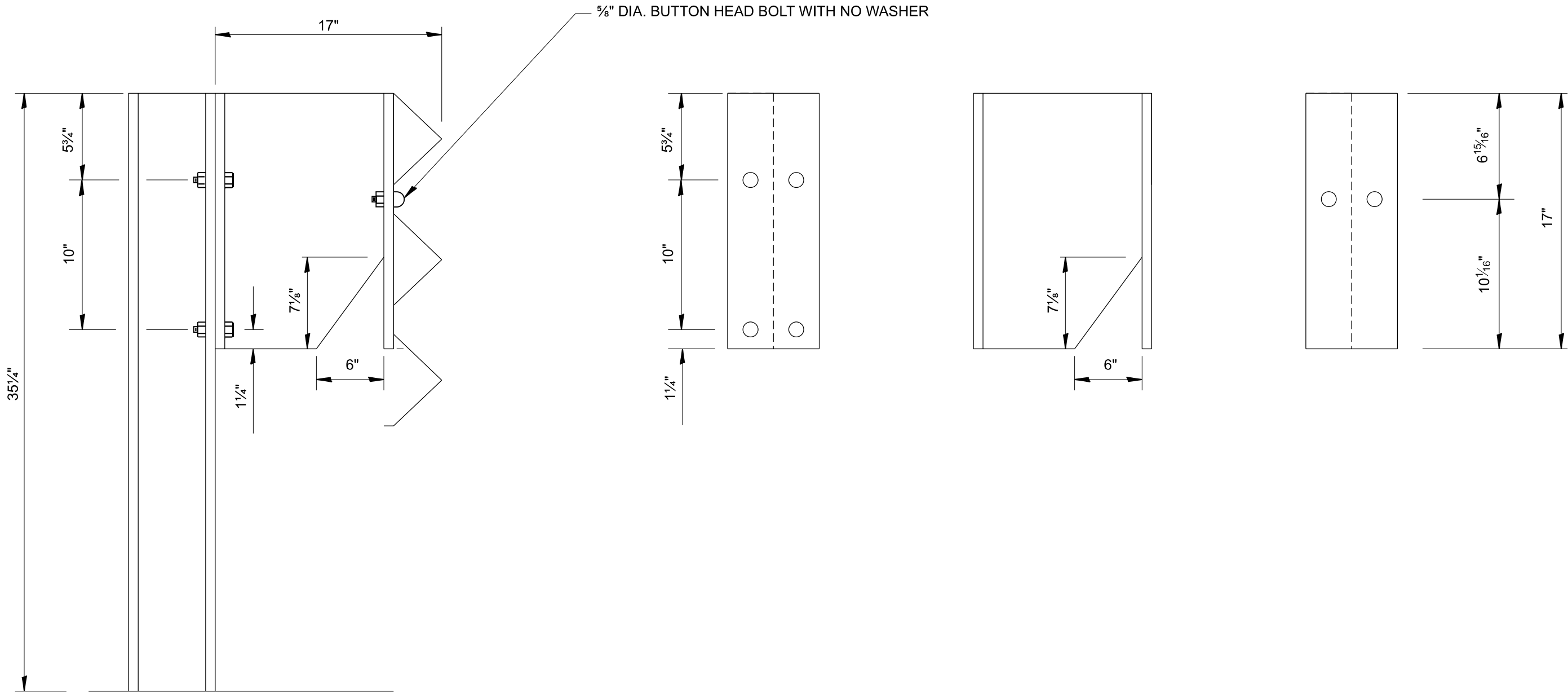
SCALE: SHEET OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	2025-1083-GRR	*	32	13
CONTRACT NO. 62Y32				
ILLINOIS FED. AID PROJECT				

**VARIOUS

**VARIOUS

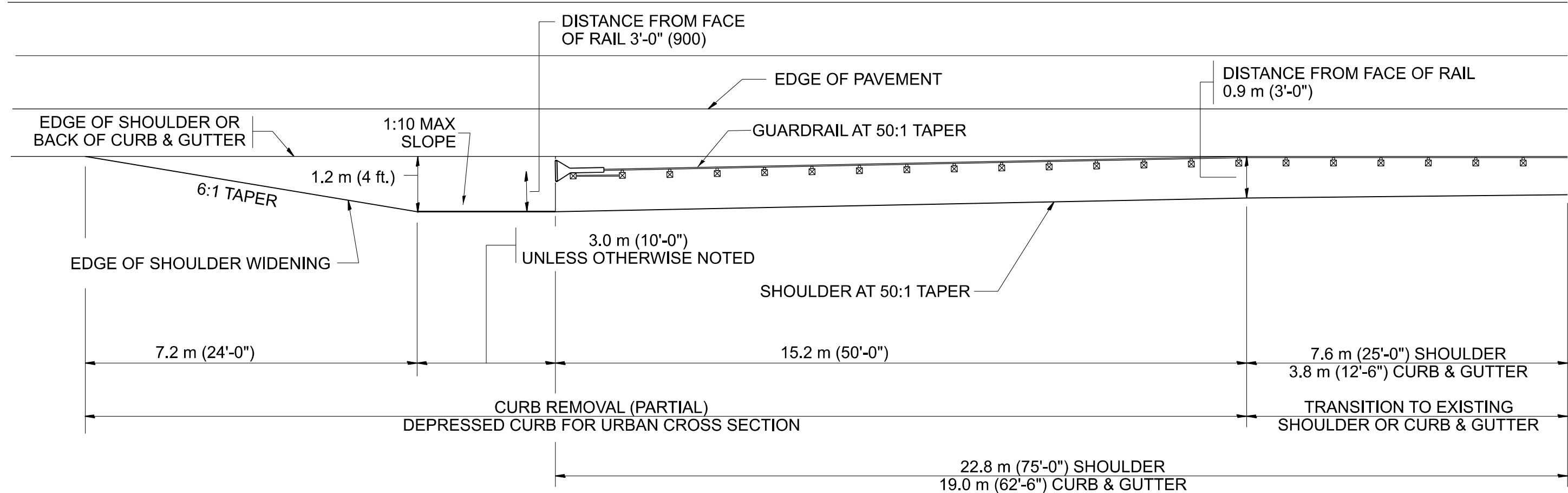
MODEL: DetailSH01 [Sheet]
FILE NAME: c:\pw_work\wydyang.deng@illinois.gov\1248191\135426-shd-details.dgn



	USER NAME = Yuyang.Deng	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL THREE BEAM GUARDRAIL WITH MODIFIED OFFSET BLOCK			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	2026-2261-GRR	VARIOUS	32	14
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -					CONTRACT NO. 80F22				
	PLOT DATE = 6/18/2026	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
	SCALE:							SHEET	OF 4	SHEETS	STA.	TO STA.

*VARIOUS

MODEL: DetailSh02 [Sheet]
FILE NAME: c:\pw_work\wyuyang.deng@illinois.gov\1248191\135426-shd-details.dgn



NOTES: THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

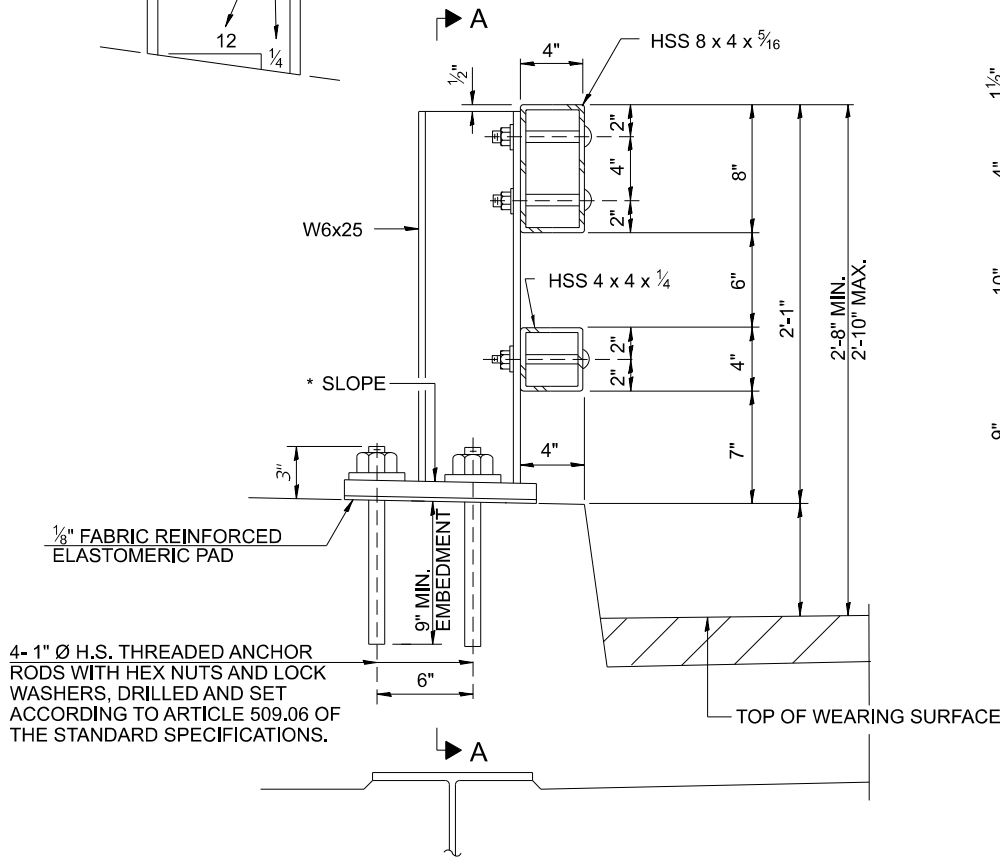
SHOULDER WIDENING SHALL BE IN ACCORDANCE WITH STATE STANDARD 630301

	USER NAME = Yuyang.Deng	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL PLATE BEAM GUARDRAIL STEEL BLOCK-OUT DETAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	2026-2261-GRR	VARIOUS	32	15
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -					CONTRACT NO. 80F22				
	PLOT DATE = 6/18/2026	DATE -	REVISED -		SCALE:	SHEET	OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

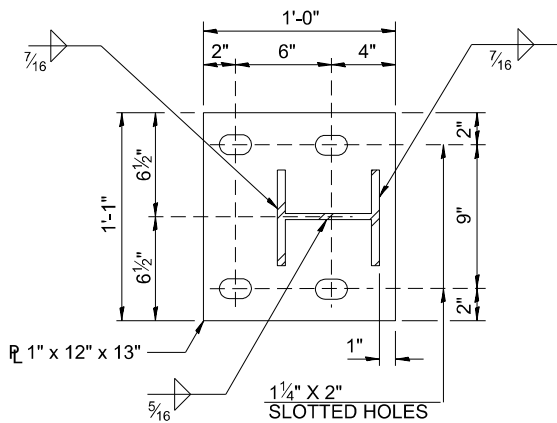
**VARIOUS

*VARIOUS

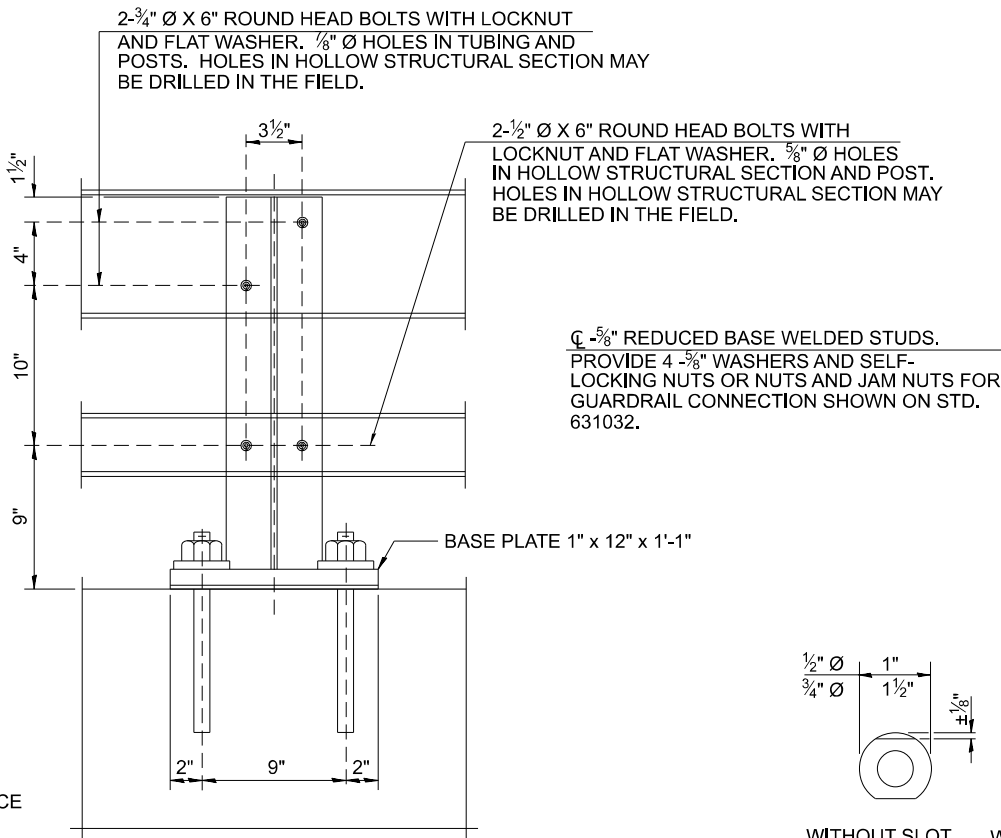
* CUT BOTTOM END OF POST TO CURB SLOPE.



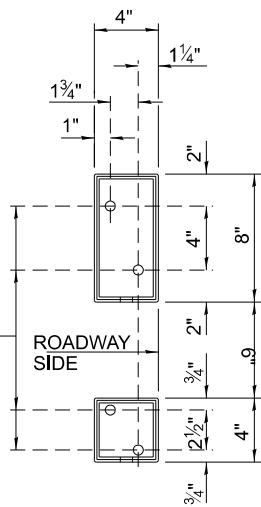
SECTION AT RAIL POST



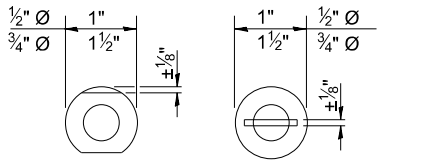
BASE PLATE DETAIL



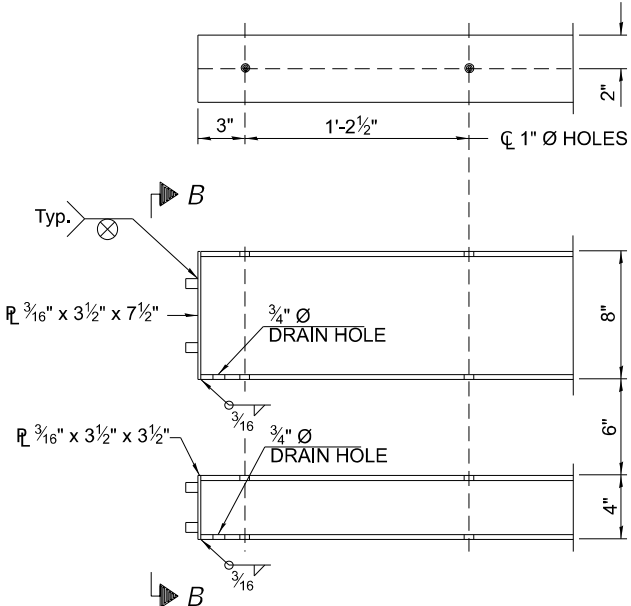
SECTION A-A



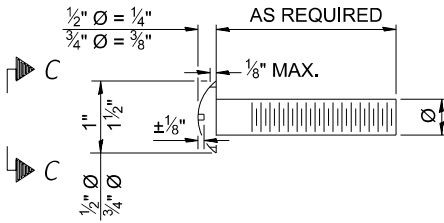
VIEW B-B



VIEW C-C



END OF RAIL DETAILS



DETAIL OF 1/2" x 3/4" ROUND HEAD BOLTS

NOTES:
POSTS SHALL NOT BE LOCATED CLOSER THAN 1'-3" TO AN EXISTING BRIDGE EXPANSION JOINT OR END OF BRIDGE.
STEEL BRIDGE RAIL EXPANSION JOINT SHALL BE PROVIDED BETWEEN ANY TWO (2) POSTS WHICH SPAN A BRIDGE EXPANSION JOINT. BOLTS LOCATED AT EXPANSION JOINT SHALL BE PROVIDED WITH LOCKNUTS AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW RAILING MOVEMENT.
PROVIDE ONE 1/8" AND TWO 1/16" STEEL SHIMS FOR 25% OF THE POSTS. SHIMS SHALL BE SIMILAR TO BASE PLATES IN SIZE AND HOLES.
ALL STEEL RAIL ELEMENTS SHALL BE GALVANIZED ACCORDING TO ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
RAIL SPLICE	1/4"	1'-8"	2"	4"	—

T = TOTAL MOVEMENT AT EXPANSION JOINT AS SHOWN ON THE DESIGN PLANS.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
STEEL RAILING, TYPE 2399	FOOT	

R-31

2-17-2017

(6'-3" Maximum Post Spacing)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB REMOVAL (PARTIAL) FOR
TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL

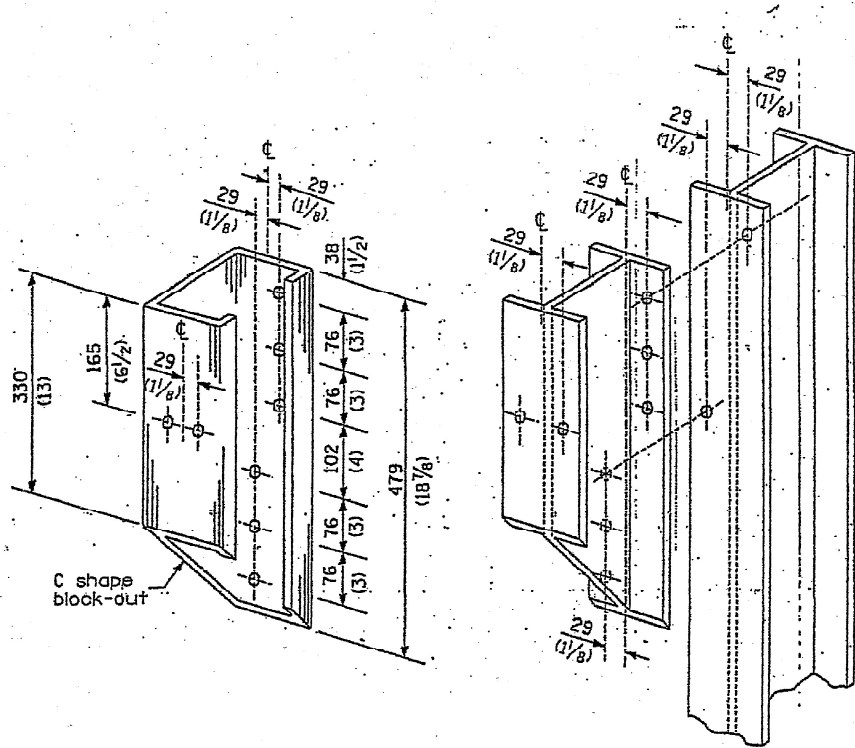
SCALE: SHEET OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	32	16
CONTRACT NO. 80F22				

**VARIOUS

**VARIOUS

MODEL: DetailSh03 (Sheet)
FILE NAME: c:\paw_work\wytobyuyang.deng\1248191\135426-shh-details.dgn

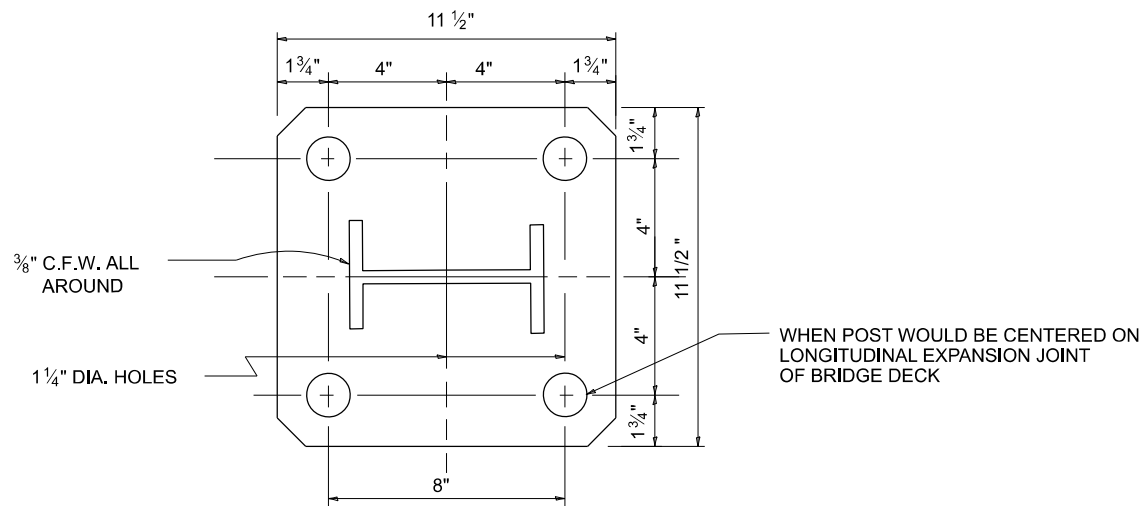


STEEL BLOCK-OUT AND
STEEL POST DETAILS

MODEL: DetailSheet [Sheet]
FILE NAME: c:\pw_work\pwyuyang.deng@illinois.gov\1248191\135426-shd-details.dgn

	USER NAME = Yuyang.Deng	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL RAIL BRIDGE DETAIL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -					VAR	2026-2261-GRR	VARIOUS	32	17
	PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -					CONTRACT NO. 80F22				
	PLOT DATE = 6/18/2026	DATE -	REVISED -		SCALE:	SHEET	OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

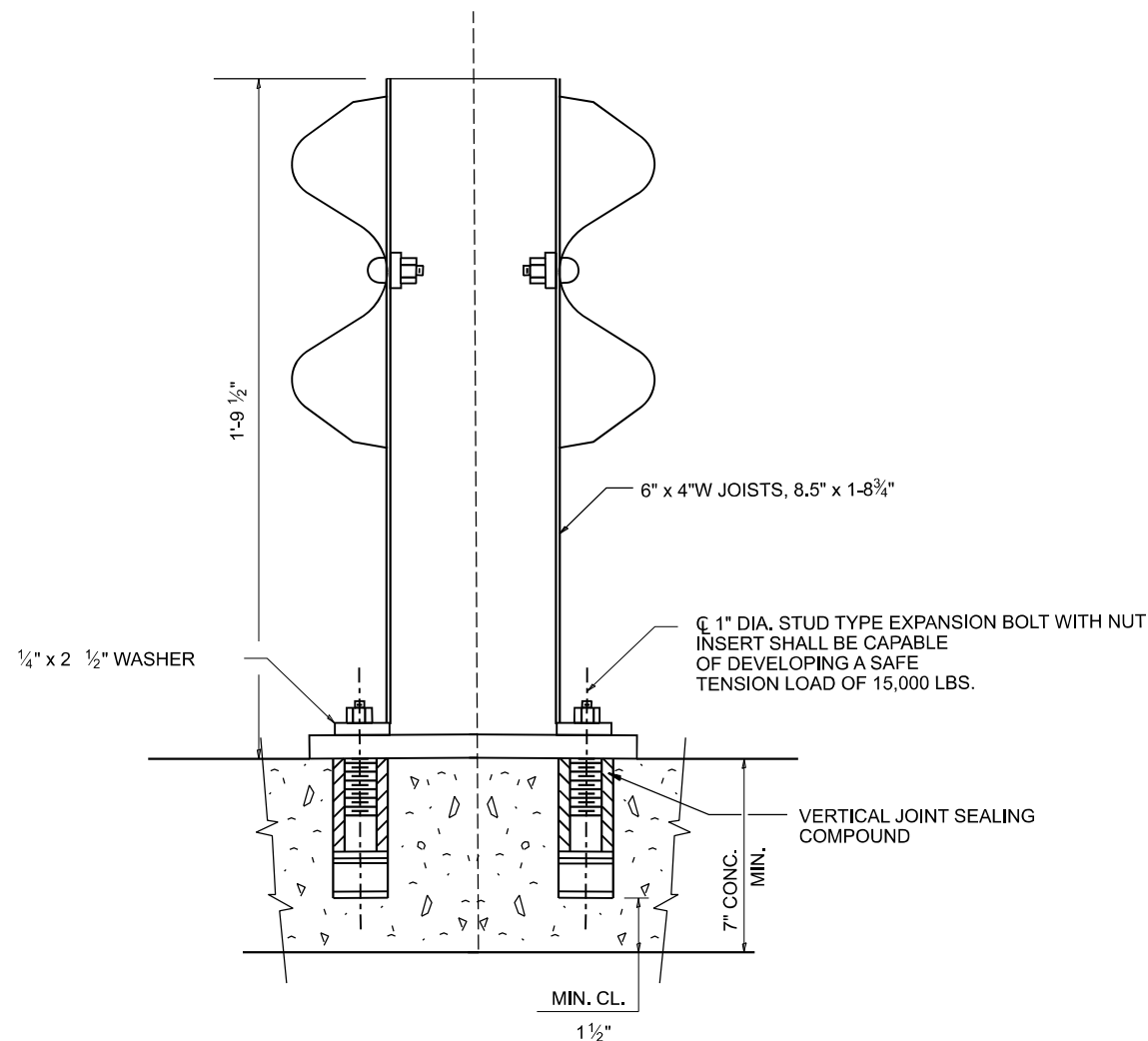
MODEL: BM-2 [Sheet]
FILE NAME: c:\p\work\pwyang.deng@illinois.gov\1248191\135426-shl-DJasStd.dgn



RAIL POST BASE ϕ
 ϕ 11 1/2" x 1 1/4" x 11 1/2"

NOTE:

- FOR DETAILS OF RAIL ELEMENTS, RAIL SPLICING, NUT, BOLT AND SIDE VIEW OF RAIL, SEE STANDARD 2230-2.
- ALL WELDS SHALL BE GROUND SMOOTH
- POSTS SHALL BE CUT AND WELDED TO THE BASE PLATE SO THAT THE POST WILL BE PLUMB WHEN ERECTED.
- TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE, MINIMUM TEST LOAD=8 KIPS. IF ONE ANCHOR BOLT FAILS DURING THE TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT SHALL BE BOLT COMPANIES.
- PROVIDE 11#8" AND 21#16" GALVANIZED SHIMS FOR 25% OF THE POSTS.



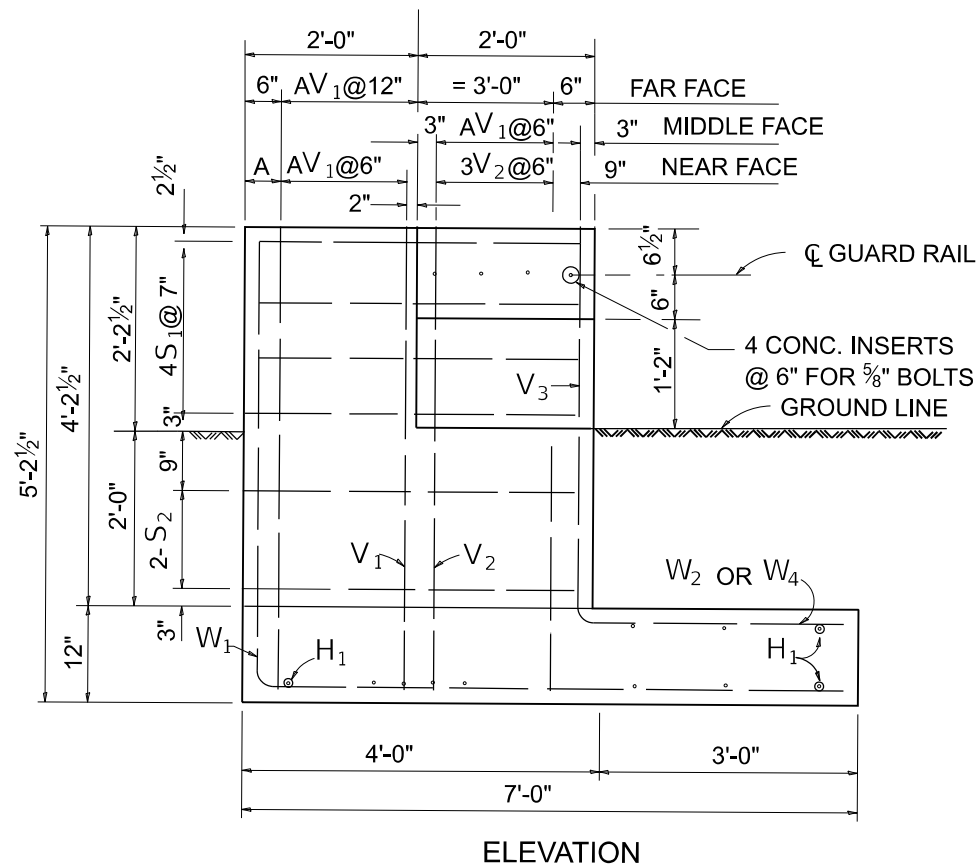
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ANCHOR DETAIL FOR STEEL PLATE BEAM
GUARDRAIL ON CONCRETE

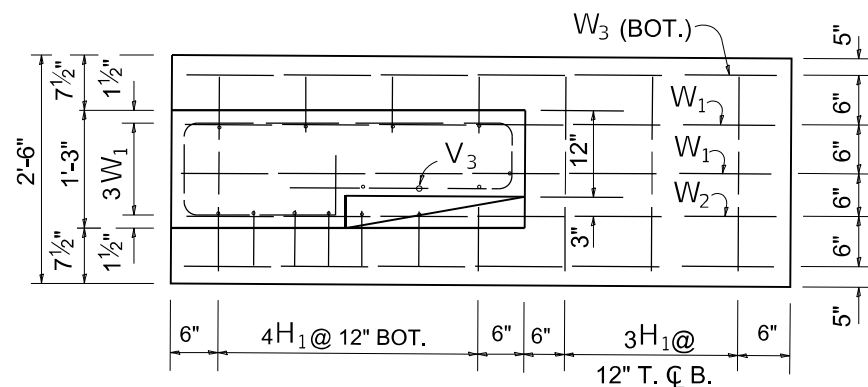
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	7
BM-02		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		

MODEL: BM-3 [Sheet]
FILE NAME: c:\p\work\wikid\yuyang.deng@illinois.gov\1248191\135426-shit-DiaSStd.dgn



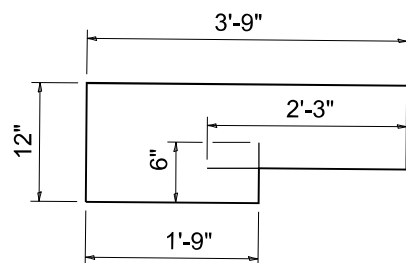
ELEVATION



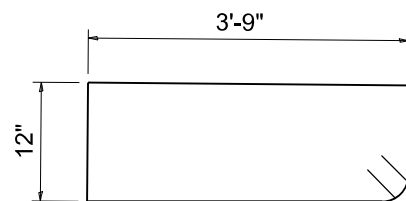
FOOTING PLAN



BAR	A	B	A+B
V ₁	4'-8"	6"	5'-2"
V ₂	2'-6"	6"	3'-0"
W ₁	4'-8"	6'-6"	11'-2"
W ₂	2'-0"	3'-0"	5'-0"
W ₄	4'-2"	3'-0"	7'-2"



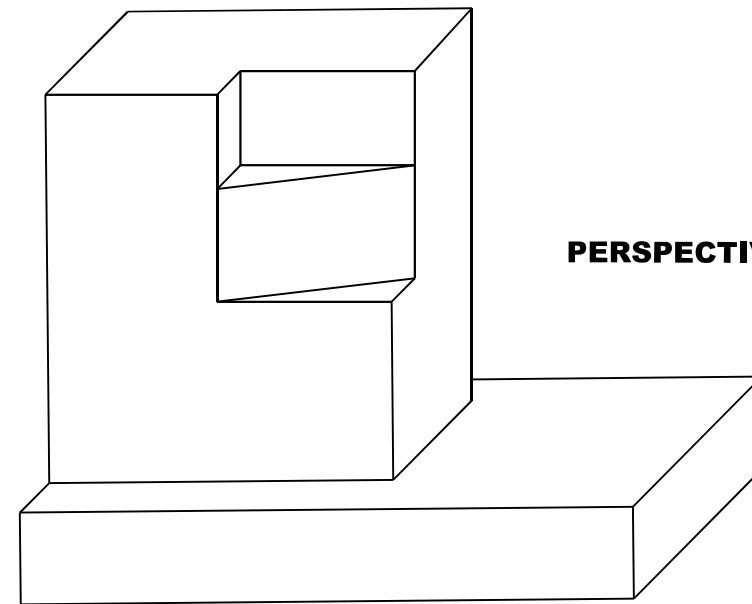
S₁ BAR



S₂ BAR

BAR SCHEDULE

BAR	NO.	LENGTH
V ₁	8	5'-2"
V ₂	3	3'-0"
V ₃	4	3'-0"
W ₁	3	11'-2"
W ₂	1	5'-0"
W ₃	2	6'-6"
W ₄	2	7'-2"
S ₁	4	10'-0"
S ₂	2	10'-0"
H ₁	1	2'-3"



PERSPECTIVE VIEW

NOTES:

CLASS X CONCRETE SHALL BE USED THROUGHOUT
REINFORCEMENT TO BE SIZE #4 UNLESS OTHERWISE NOTED

THIS SHEET IS FOR INFORMATION ONLY

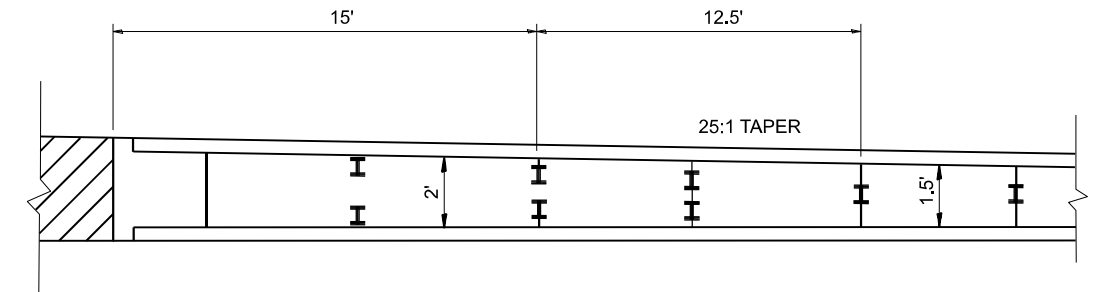
USER NAME = Yuyang.Deng	DESIGNED -	REVISED - R. RITCHIE 06-02-00
	DRAWN - R.F.L.	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 6/18/2026	DATE - 10-31-88	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

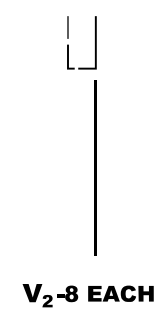
TYPICAL DETAIL FOR
GUARDRAIL ANCHOR BLOCK REPAIR

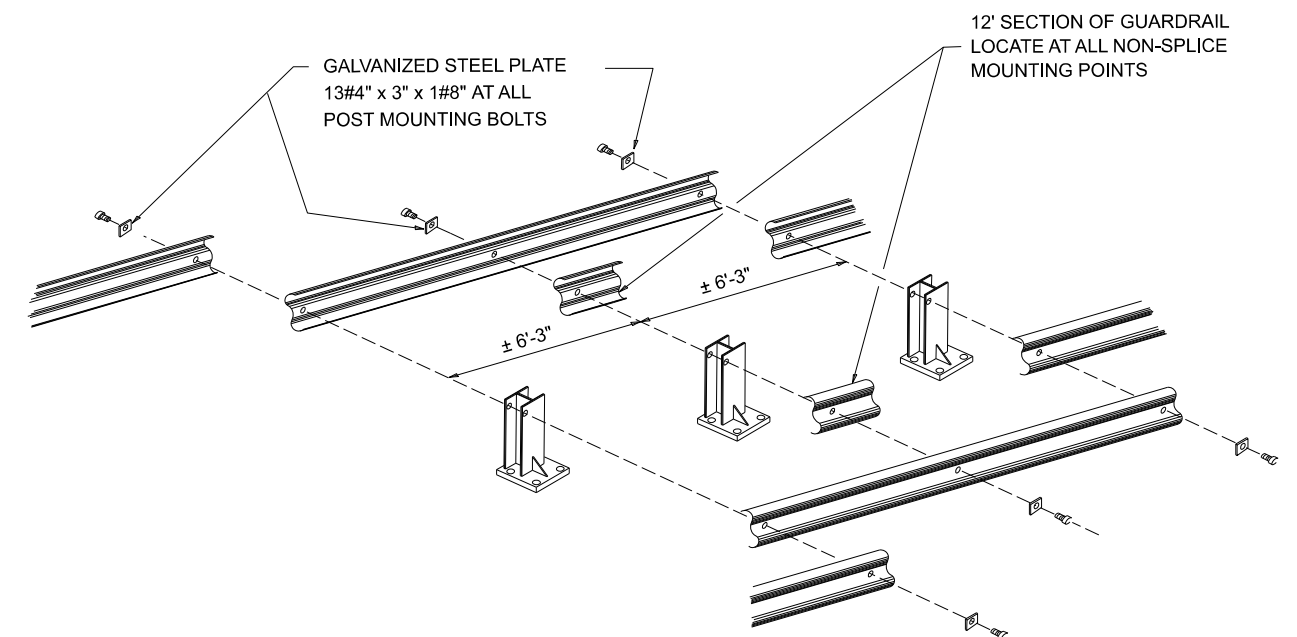
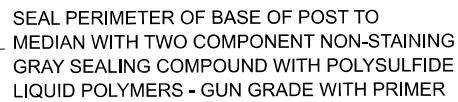
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	8
BM-03		CONTRACT NO. 80F22		
		ILLINOIS	FED. AID PROJECT	



NOTES: CLASS X CONCRETE SHALL BE USED THROUGHOUT
REINFORCEMENT TO BE SIZE #4 UNLESS OTHERWISE
NOTED





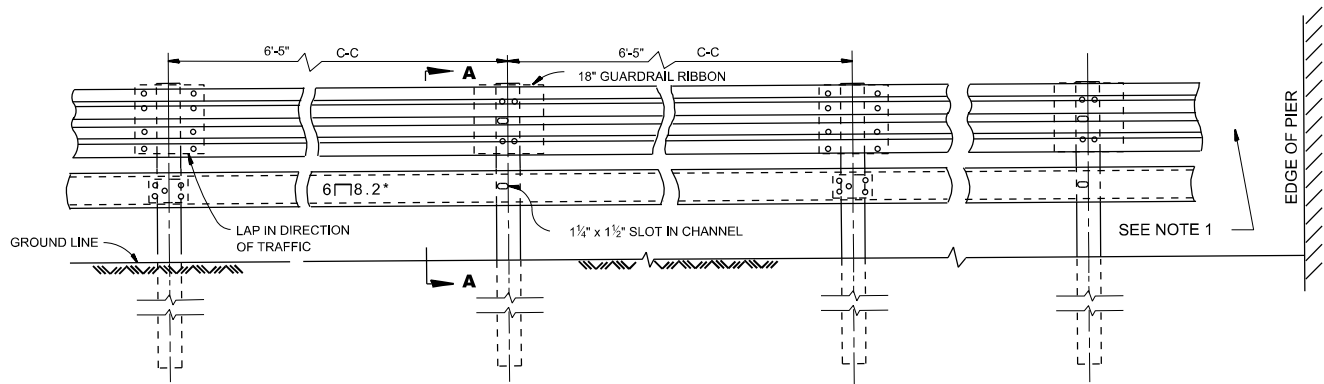
- NOTE:**
- POSTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM DESIGNATIONS A-123 AND A-385.
- TWO PERCENT (2%) OF ALL ANCHOR BOLTS SHALL BE TEST LOADED IN PLACE. MIN. TEST LOAD = 8 KIPS.
- ALL BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION A-153.
- FOR MATERIAL COMPOSITION OF PREFABRICATED PAD, SEE ARTICLE 54.9(F), (BEARING AND ANCHORAGE), OF THE STANDARD SPECIFICATIONS.
- PROVIDE 1-1#8" AND 2-1#16" GALVANIZED STEEL SHIMS FOR 25% OF THE POSTS.
- IF ONE ANCHOR BOLT FAILS DURING TEST, TWO OTHER ANCHOR BOLTS SHALL BE TESTED. TESTING EQUIPMENT CAN BE OBTAINED FROM BOLT COMPANIES.

THIS SHEET IS FOR INFORMATION ONLY

USER NAME = Yuyang,Deng	DESIGNED -	REVISED - R. RITCHIE 05-02-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TYPICAL DETAIL FOR CENTER LONGITUDINAL JOINT GUARDRAIL JOINT				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - R.F.L.	REVISED -									VAR	2026-2261-GRR	VARIOUS	21	10
	CHECKED -	REVISED -					BM-05				CONTRACT NO. 80F22				
PLOT DATE = 6/18/2026	DATE - 10-31-88	REVISED -									SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.
							ILLINOIS		FED. AID PROJECT						

MODEL: BM-5 [Sheet]
FILE NAME: c:\pw_work\pidot\yuyang.deng@illinois.gov\1C135426-sht-DistStds.dgn

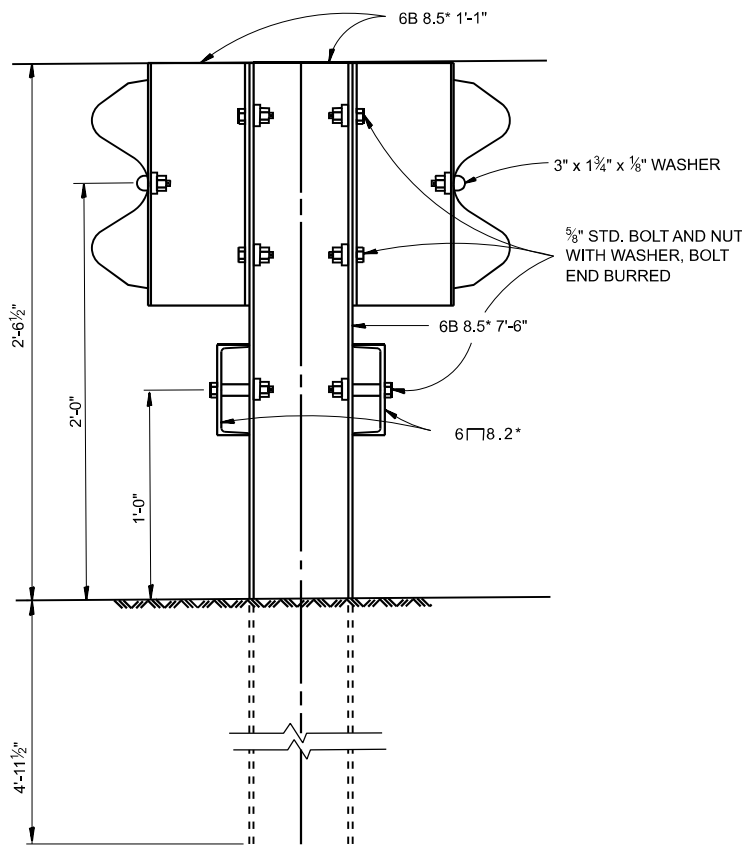
MODEL: BM-6 [Sheet]
FILE NAME: c:\p\work\wikid\yuyang.deng@illinois.gov\1248191C135426-shl-DJasStd.dgn



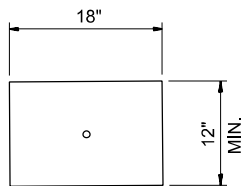
ELEVATION

DETAIL OF END SECTION

NOTE 1:
FOR DETAILS OF GUARDRAIL END ANCHORAGE
AT PIERS, SEE SHEET NO. ____

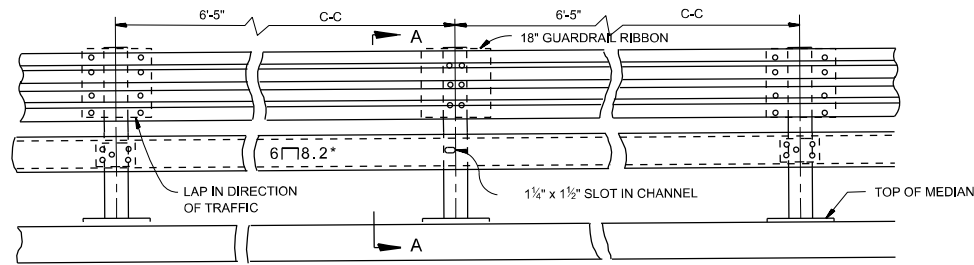


SECTION A-A

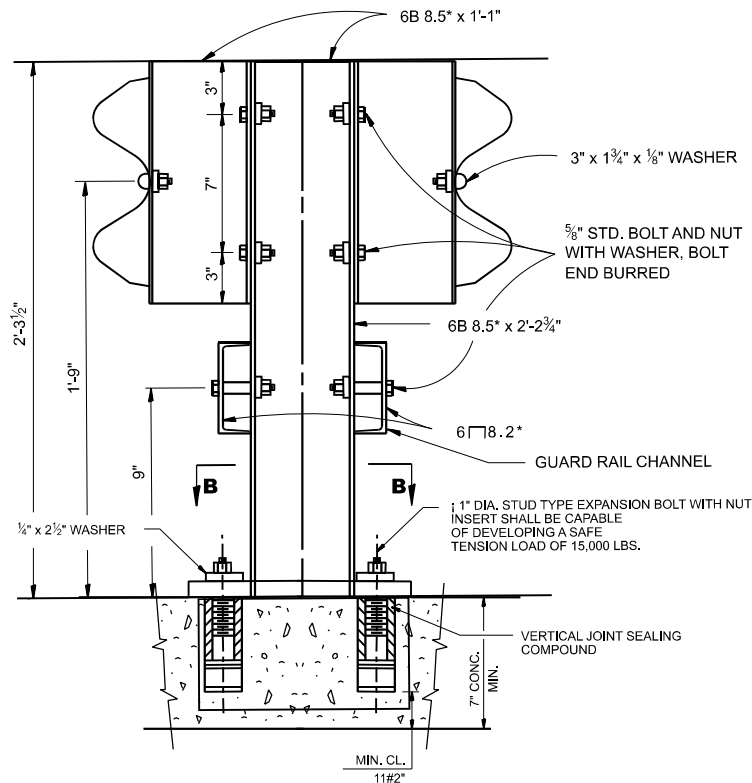


18" GUARDRAIL ELEMENT SPLICE

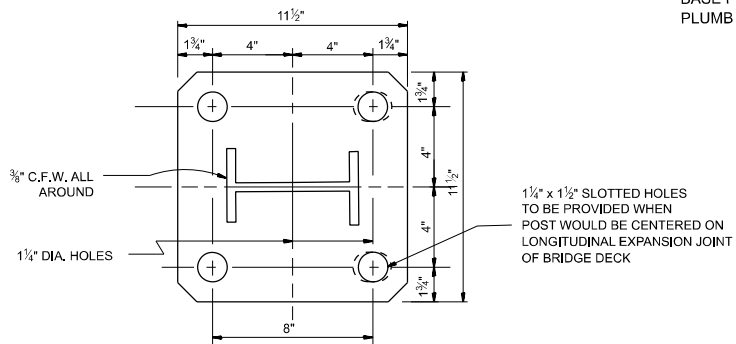
NOTE:
FOR DETAIL OF RAIL ELEMENT, RAIL SPLICING, BOLT,
AND NUT, SEE STATE STANDARD 2230.
A 13#8" x 3" x 1#8" STEEL PLATE WASHER AS SHOWN ON THIS
DRAWING SHALL BE PLACED BETWEEN THE BOLT HEAD
AND THE GUARDRAIL RIBBON AT ALL MOUNTING POINTS.
AN 18" PIECE OF GUARDRAIL RIBBON SHALL BE INSERTED
BETWEEN THE CONTINUOUS RIBBON AND THE POST AT
NON-SLICE MOUNTING POINTS.
RAIL, CHANNELS, POSTS, BASE PLATES, FASTENINGS,
AND ALL OTHER EXPOSED ACCESSORIES SHALL BE
GALVANIZED.



ELEVATION

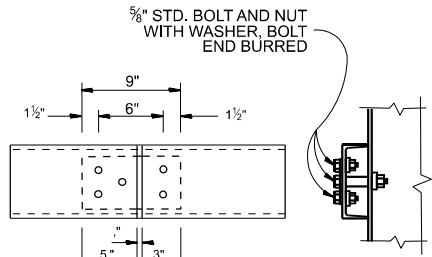


SECTION A-A
ANCHORAGE DETAIL



RAIL POST BASE PLATE
L.P. 11 1/2" x 1 1/4" x 11 1/2"

SECTION B-B



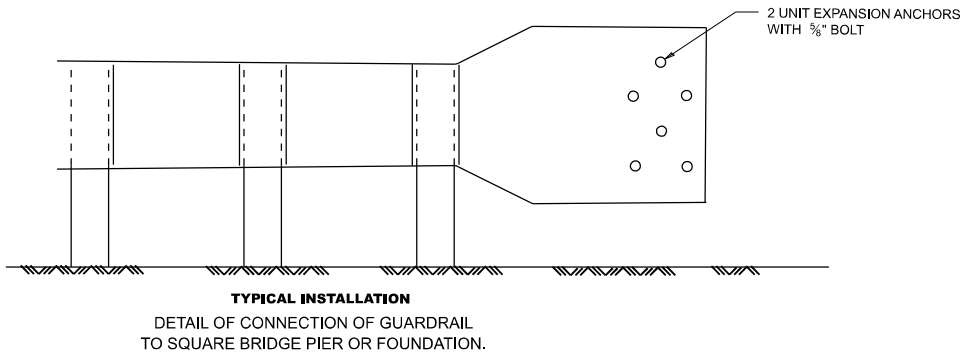
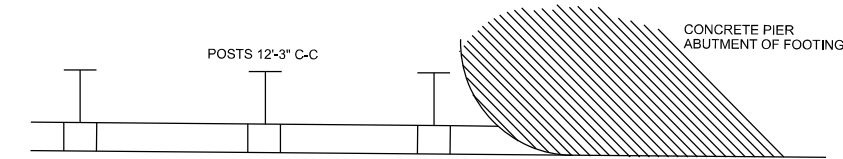
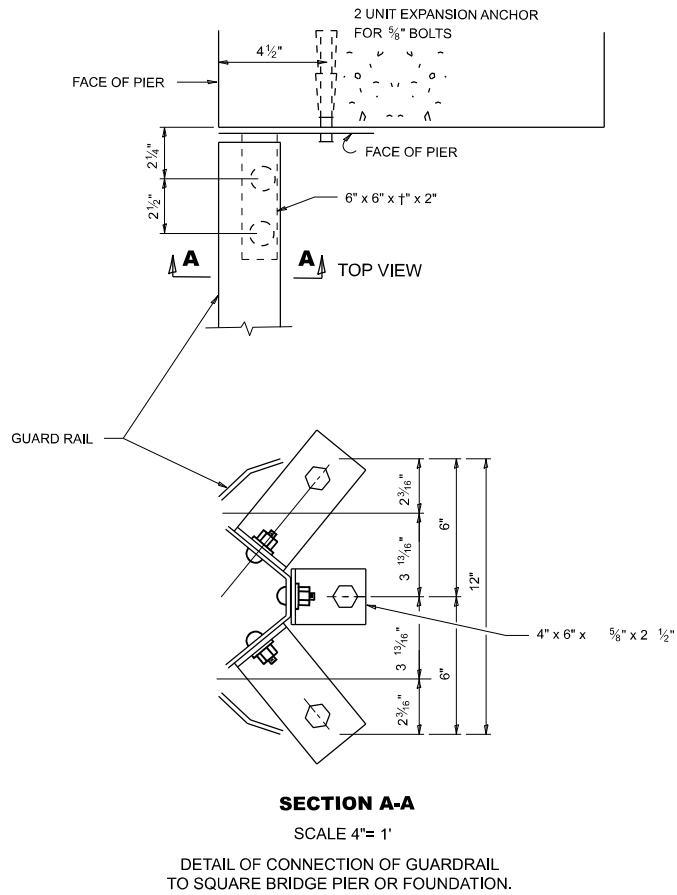
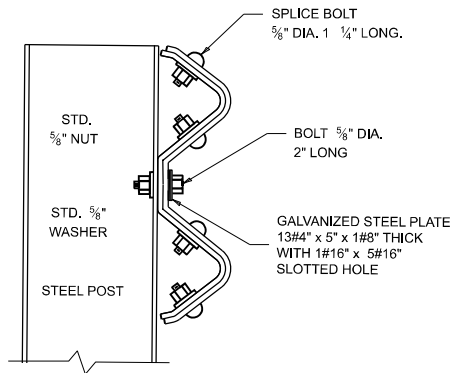
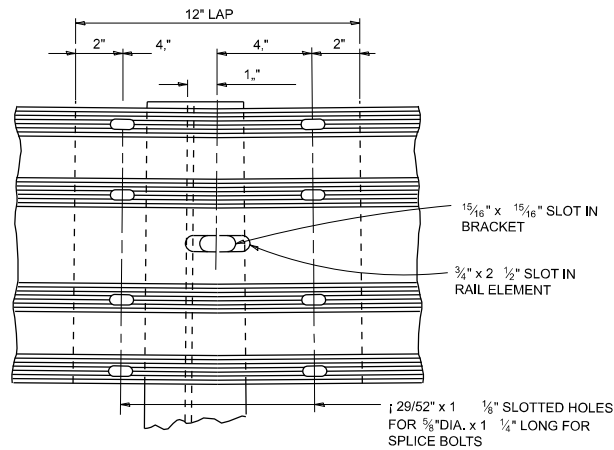
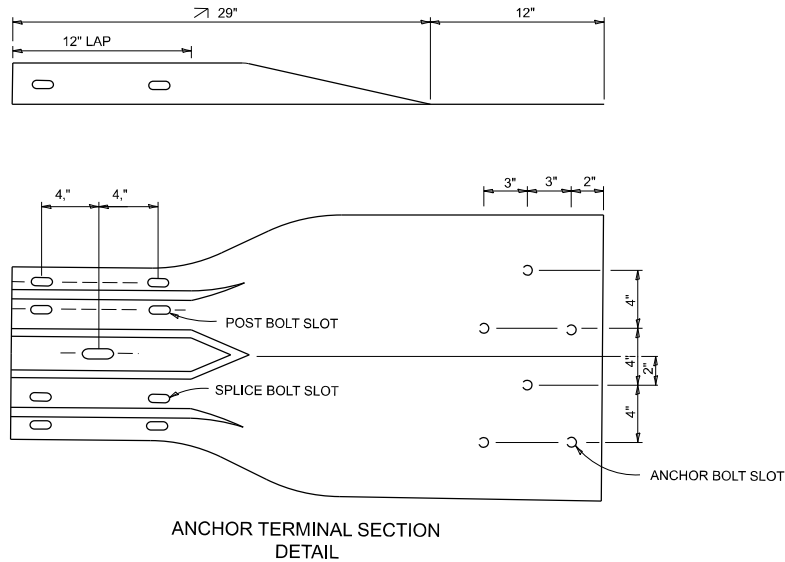
CHANNEL SPLICE
PLATE 8 3/4" x 4 1/2" x 1/4"

WASHER
PLATE 3" x 1" x 1/4"

NOTE:
ALL WELDS SHALL BE GROUND SMOOTH.
POSTS SHALL BE CUT AND WELDED TO THE
BASE PLATE SO THAT THE POSTS WILL BE
PLUMB WHEN ERECTED.

THIS SHEET IS FOR INFORMATION ONLY

	USER NAME = Yuyang,Deng	DESIGNED -	REVISED - R. RITCHIE 05-02-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL PLATE BEAM GUARDRAIL SPECIAL			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - R.F.L.	REVISED -					VAR	2026-2261-GRR	VARIOUS	21	11
		CHECKED -	REVISED -		BM-06		CONTRACT NO. 80F22					
	PLOT DATE = 6/18/2026	DATE -	REVISED -		SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT		



THIS SHEET IS FOR INFORMATION ONLY

MODEL: BM-7 (Sheet)
FILE NAME: c:\p\work\kwyang.deng@illinois.gov\1248191\135426-shl-DiaStd.dgn

USER NAME = Yuyang,Deng

DESIGNED -

REVISED - R. RITCHIE 05-02-00

DRAWN - R.F.L.

REVISED -

CHECKED -

REVISED -

PLOT DATE = 6/18/2026

DATE - 10-31-88

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF GUARDRAIL SUPPORT
AND END ANCHORAGE

SCALE: NONE

SHEET 1

OF 1

SHEETS

STA.

TO STA.

F.A.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

VAR

2026-2261-GRR

VARIOUS

21

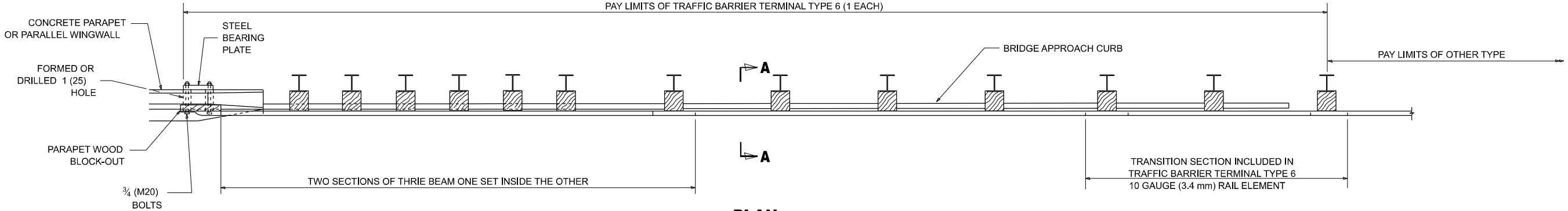
12

BM-07

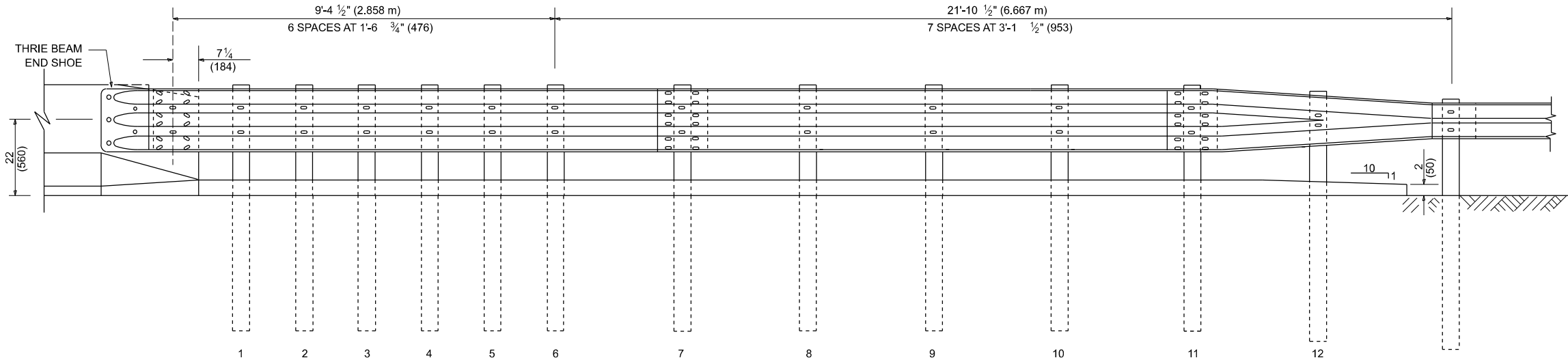
CONTRACT NO. 80F22

ILLINOIS FED. AID PROJECT

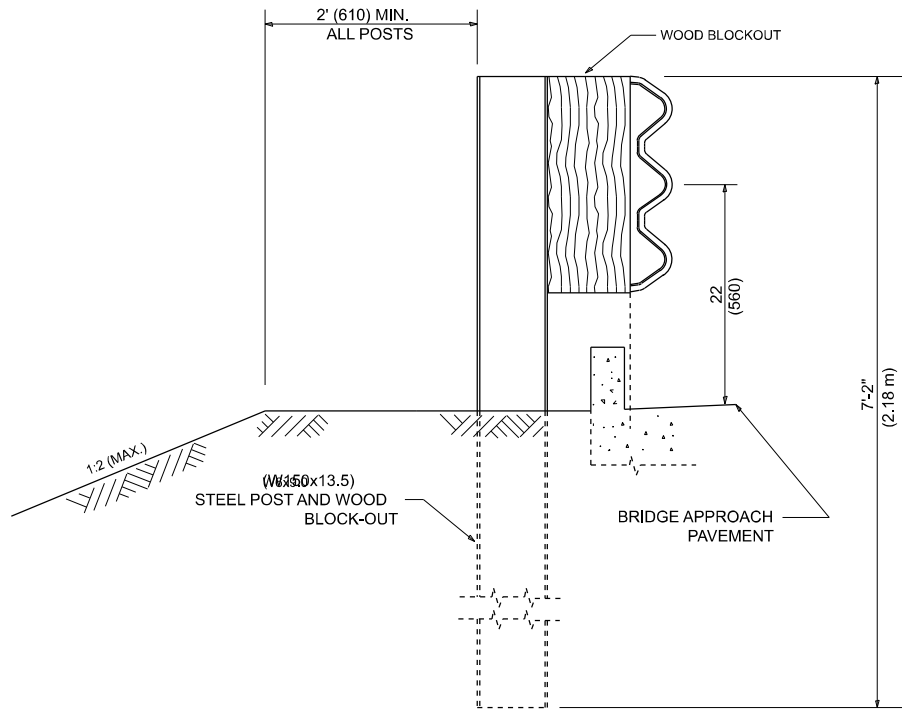
PARAPET OR WINGWALL



PLAN



ELEVATION



SECTION A-A

GENERAL NOTES

- TO BE USED WHEN CONNECTING TO EXISTING GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
- SEE STANDARD 630001 FOR DETAILS OF GUARDRAIL NOT SHOWN.
- THRIE BEAM RAIL SHALL BE BOLTED TO BLOCK-OUT AT ALL POSTS.
- SEE STANDARD 420401 FOR DETAILS OF BRIDGE APPROACH PAVEMENT.
- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

ILLINOIS STATE STANDARD:
631031-05 02/19/2008

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPE 6 TERMINAL
FOR USE WITH 21" HIGH SPBGR

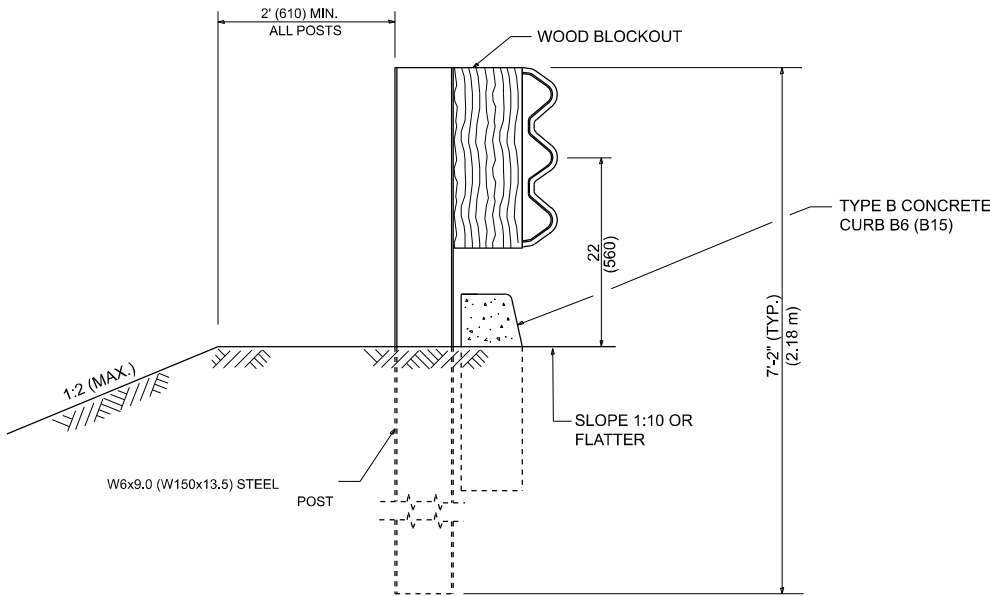
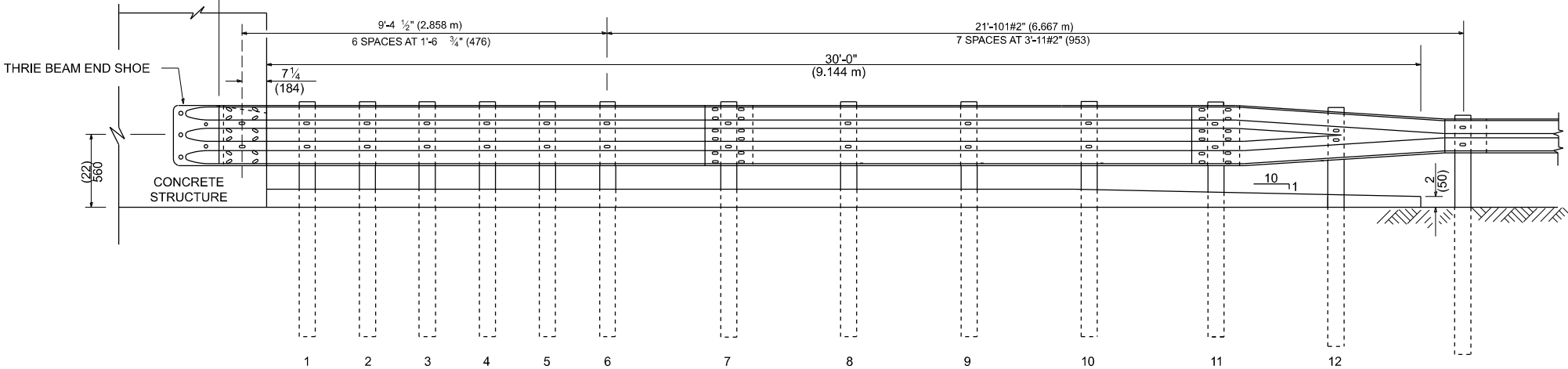
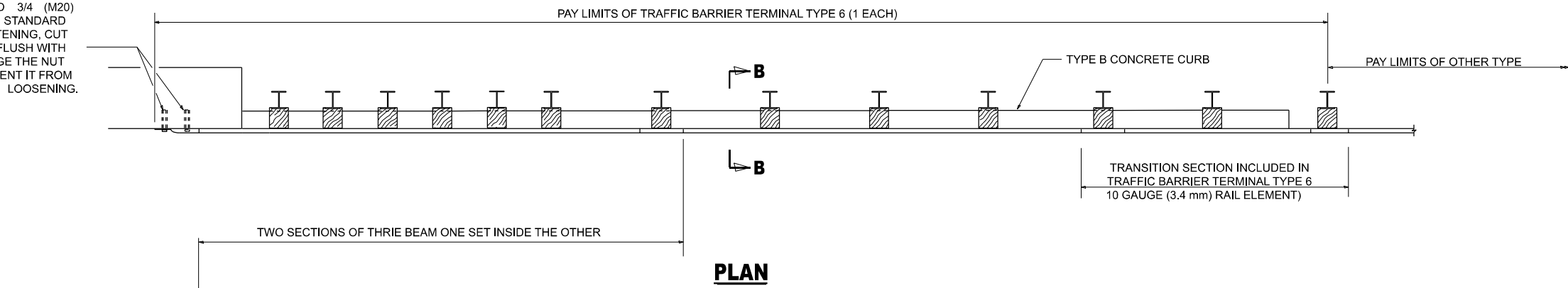
SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	13
BM 22		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		

MODEL: BM-22a [Sheet]
FILE NAME: c:\p\work\wyang.deng@illinois.gov\1248191\135426-sh-DisStds.dgn

OTHER CONCRETE STRUCTURE

5 EPOXY GROUTED 3/4" (M20) ANCHOR BOLTS WITH STANDARD WASHERS. AFTER TIGHTENING, CUT THE ANCHOR BOLTS FLUSH WITH NUTS, AND DAMAGE THE NUT TO PREVENT IT FROM LOOSENING.



ILLINOIS STATE STANDARD:
631031-05 02/19/2008

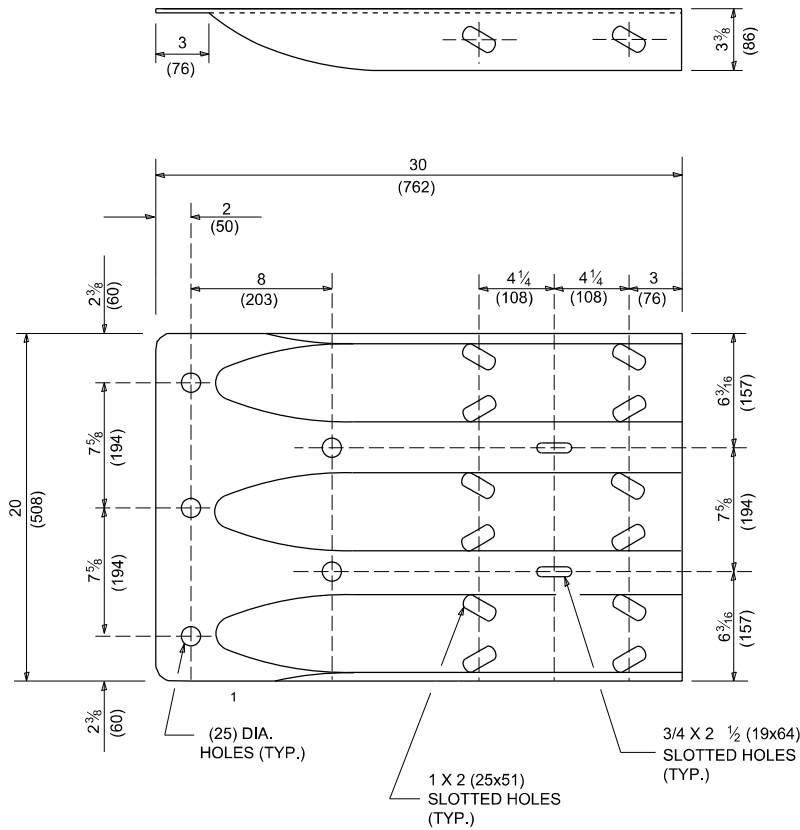
USER NAME	= Yuyang,Deng	DESIGNED	-	REVISED	-
DRAWN	-	REVIS	-	631031-05 02/19/2008	
CHECKED	-	REVIS	-		
DATE	-	REVIS	-		
PLOT DATE	= 6/18/2026				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

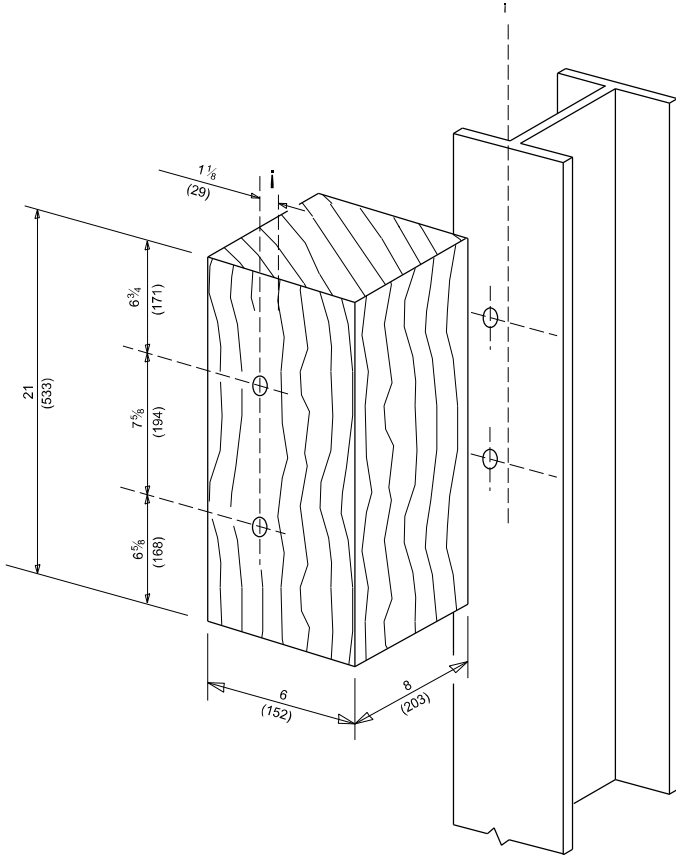
TYPE 6 TERMINAL
FOR USE WITH 21" HIGH SPBGR

SCALE: NONE SHEET 2 OF 3 SHEETS STA. TO STA.

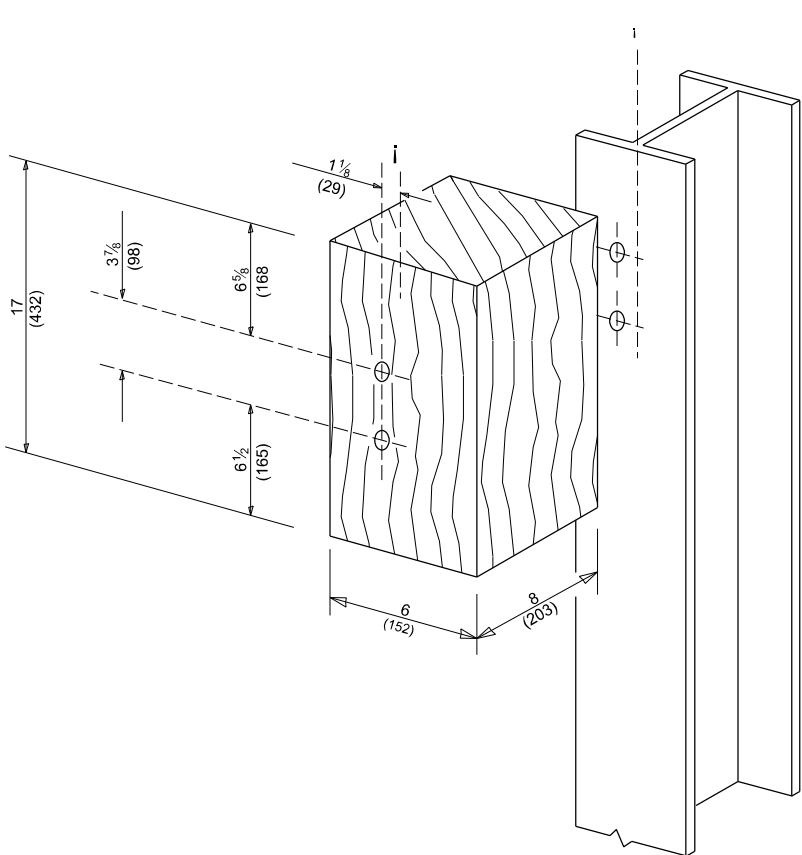
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	14
BM 22		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		



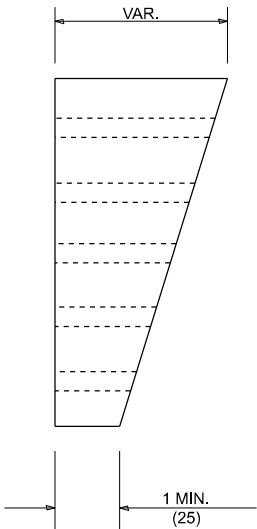
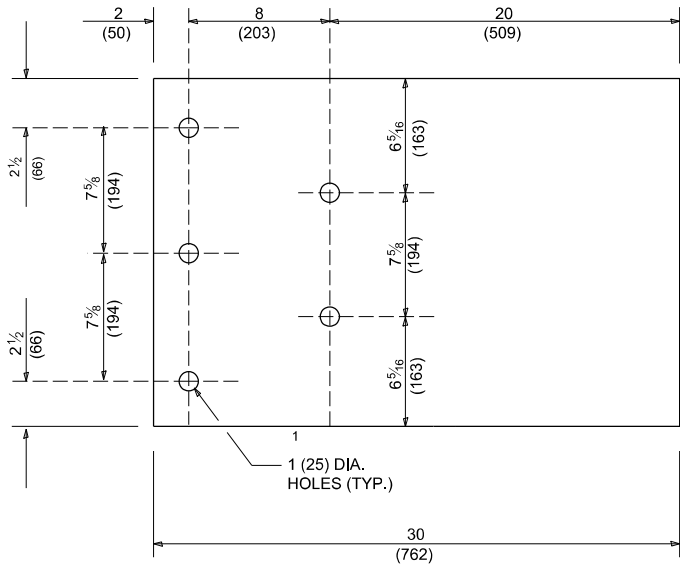
THRIE BEAM END SHOE DETAIL



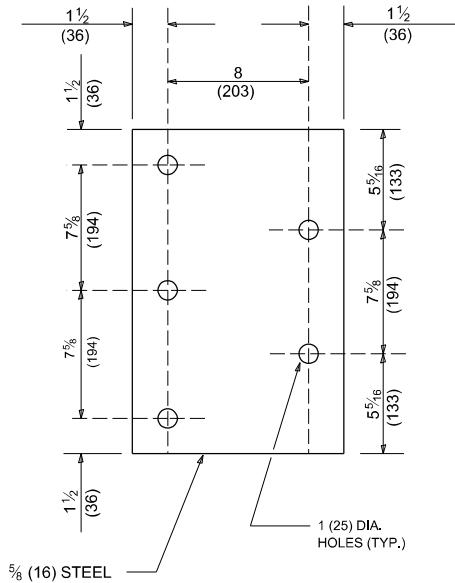
POSTS 1-11 WOOD BLOCKOUT DETAIL



POST 12 WOOD BLOCKOUT DETAIL



PARAPET WOOD BLOCK-OUT DETAIL



PARAPET STEEL BEARING PLATE DETAIL

(5 EACH INDIVIDUAL 5X5X 5/8 (125x125x16) STEEL
PLATES WITH CENTERED 1 (25) HOLES MAY BE
SUBSTITUTED FOR THE PLATE SHOWN.)

ILLINOIS STATE STANDARD:
631031-05 02/19/2008

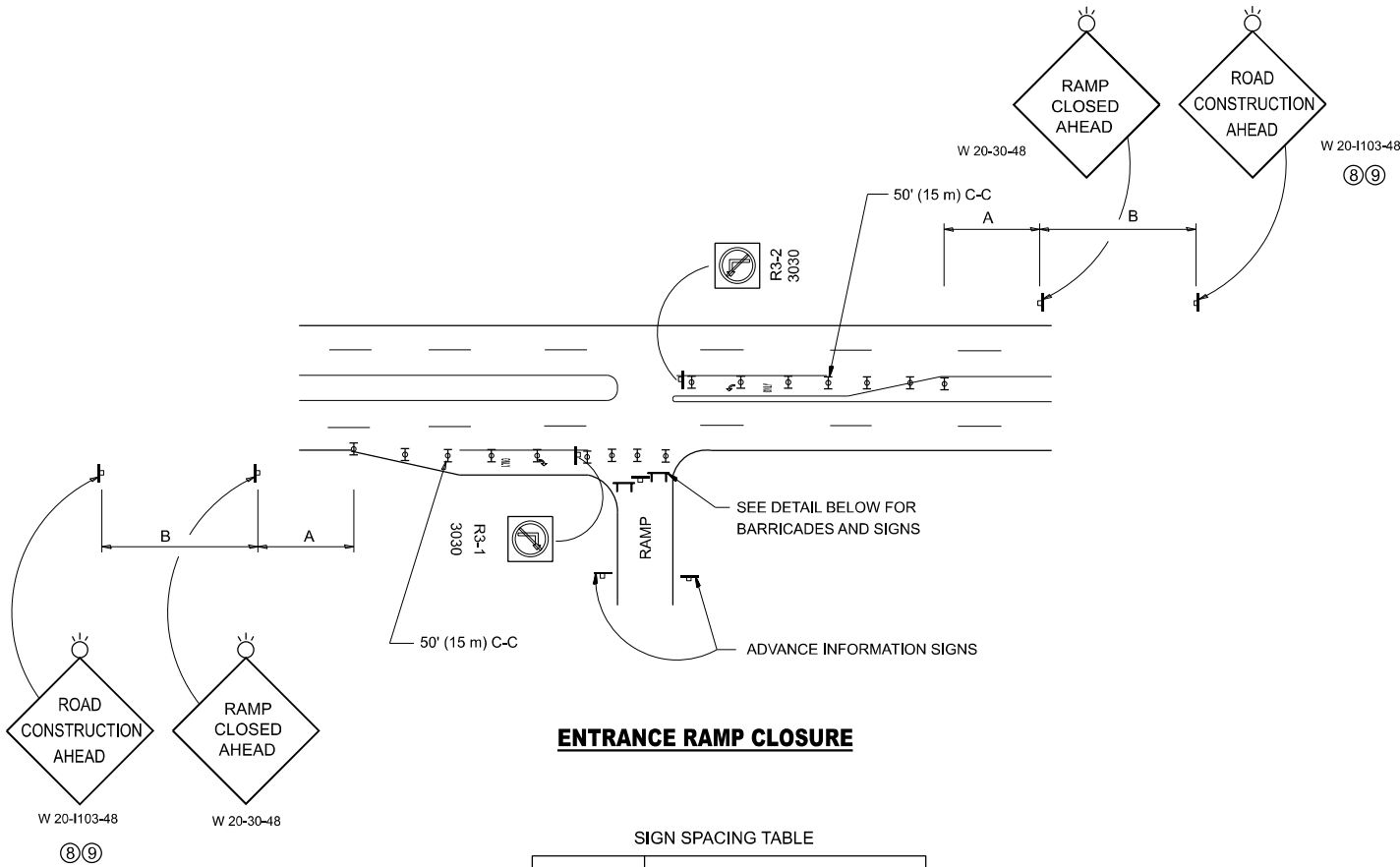
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPE 6 TERMINAL
FOR USE WITH 21" HIGH SPBGR

SCALE: NONE SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	15
BM 22		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		

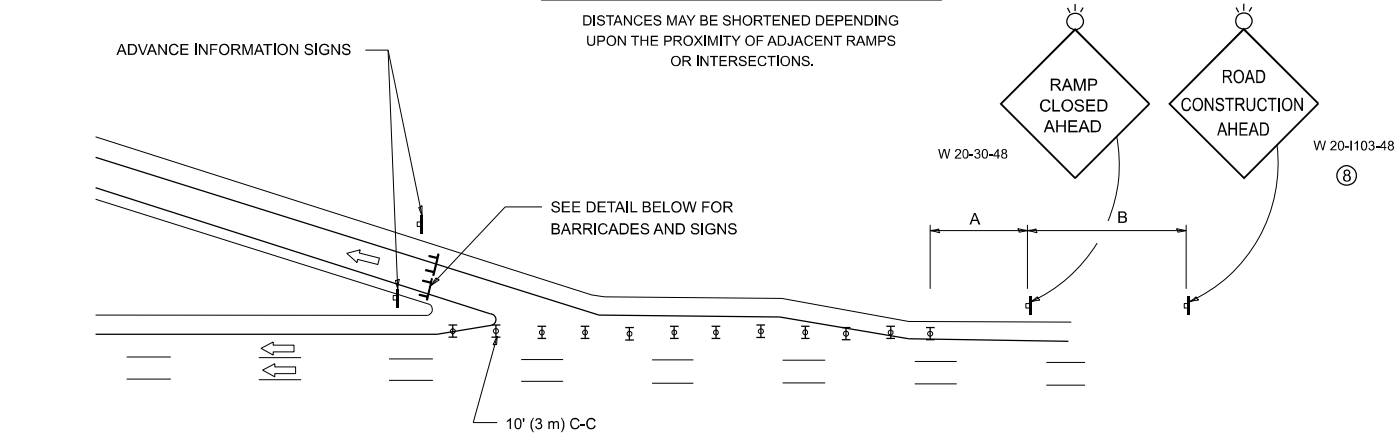
MODEL: TC-8 (Sheet)
FILE NAME: c:\paw\work\yuyang.deng@illinois.gov\1248191\1C135426-shit-DistStd.dgn



ENTRANCE RAMP CLOSURE

FACILITY	SIGN SPACING TABLE	
	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)

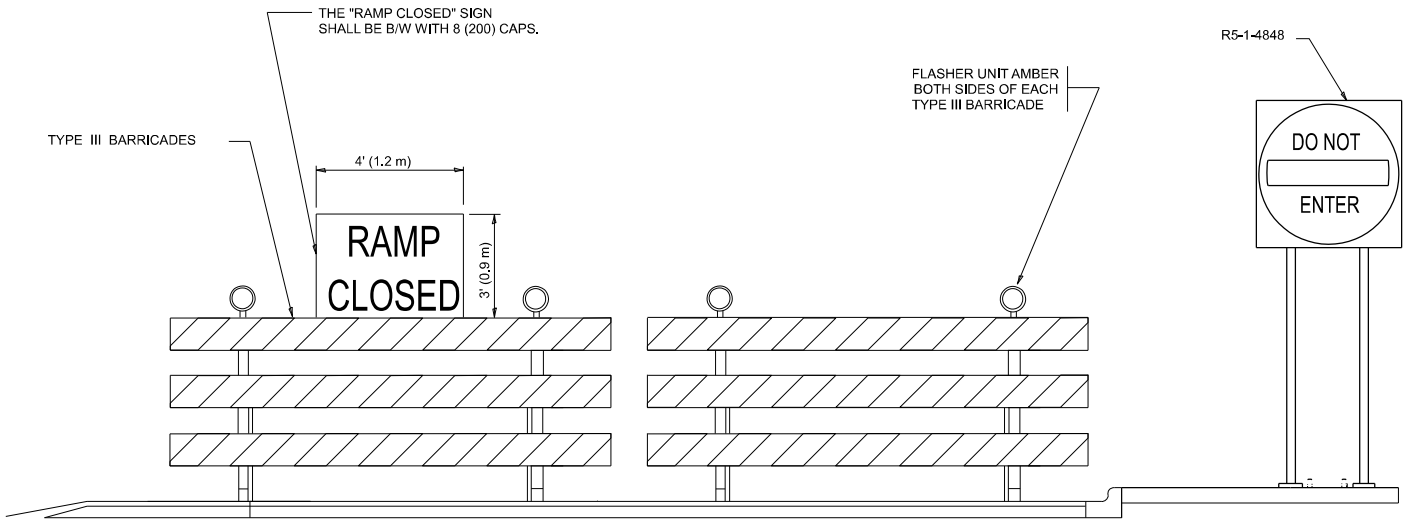
DISTANCES MAY BE SHORTENED DEPENDING
UPON THE PROXIMITY OF ADJACENT RAMPS
OR INTERSECTIONS.



EXIT RAMP CLOSURE

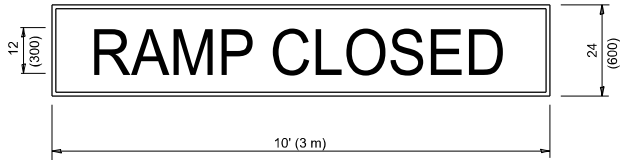
SYMBOLS

- TYPE II BARRICADE OR DRUM
- TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

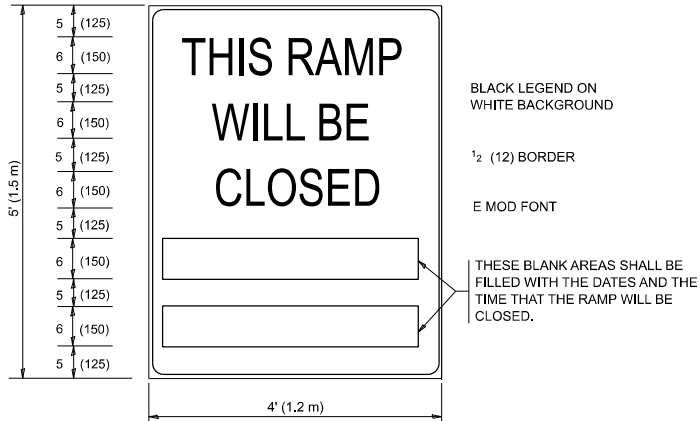
RAMP CLOSURE ADVANCE WARNING SIGN



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.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON
WHITE BACKGROUND

1/2 (12) BORDER

E MOD FONT

THESE BLANK AREAS SHALL BE
FILLED WITH THE DATES AND THE
TIME THAT THE RAMP WILL BE
CLOSED.

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

GENERAL NOTES:

- CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- 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.
- THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- 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.
- 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.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

PLOT DATE = 6/18/2026	USER NAME = Yuyang.Deng	DESIGNED - D.W.S.	REVISED - S.P.B._12-09
		DRAWN -	REVISED - M.D._06-13
		CHECKED -	REVISED - M.D._01-18
	DATE - 02-83	REVISED - D.S._05-24	

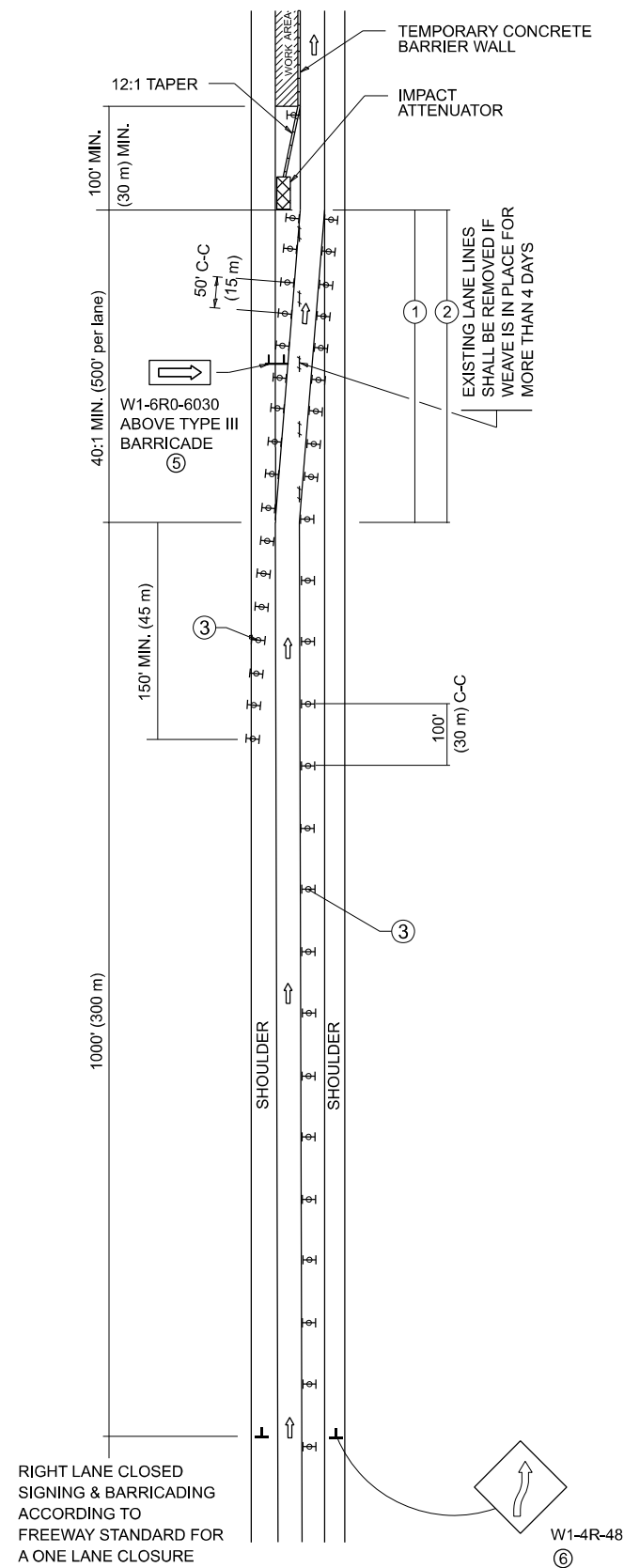
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT_RAMP
CLOSURE DETAILS**

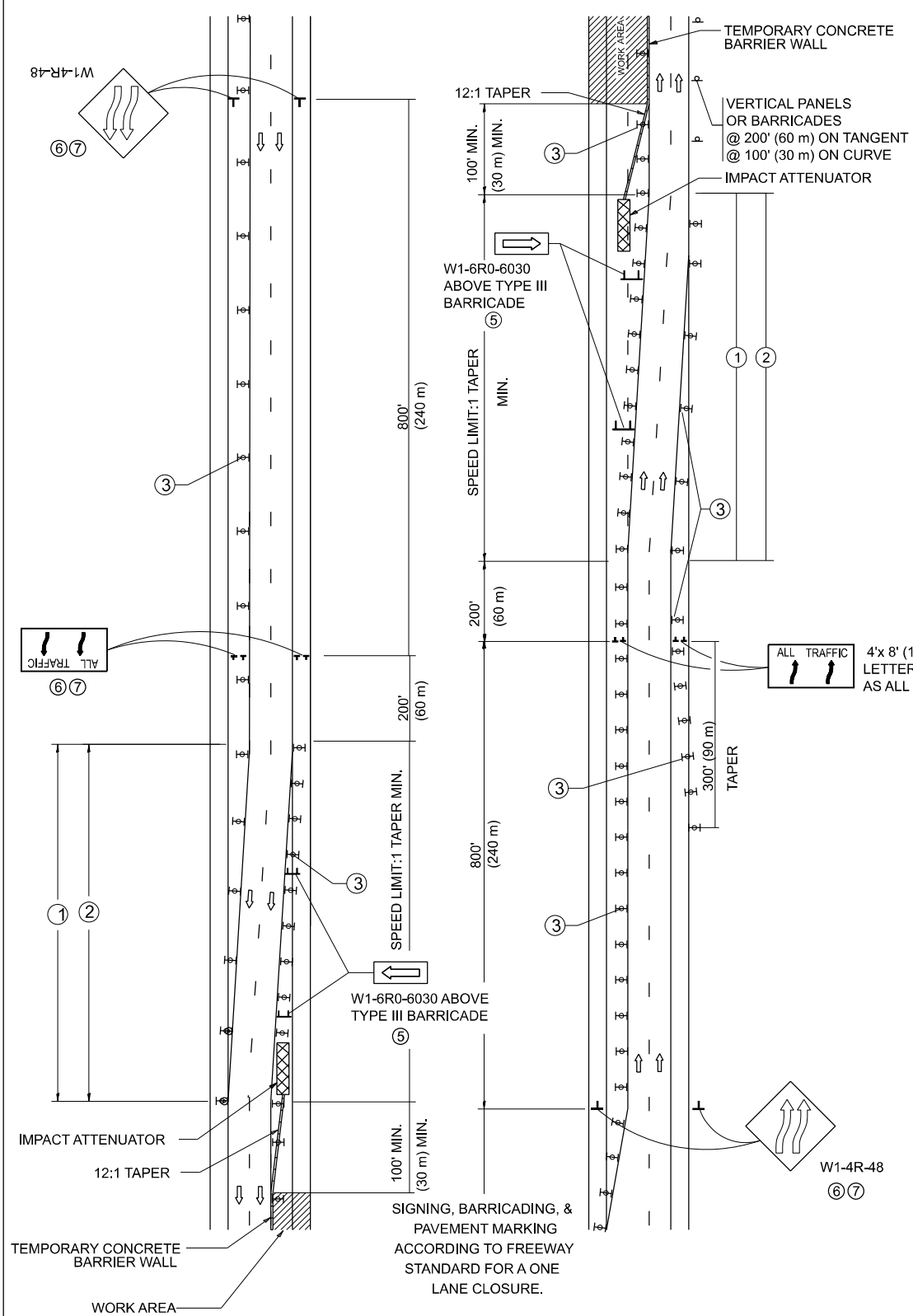
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	16
TC-08		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		

SINGLE LANE WEAVE



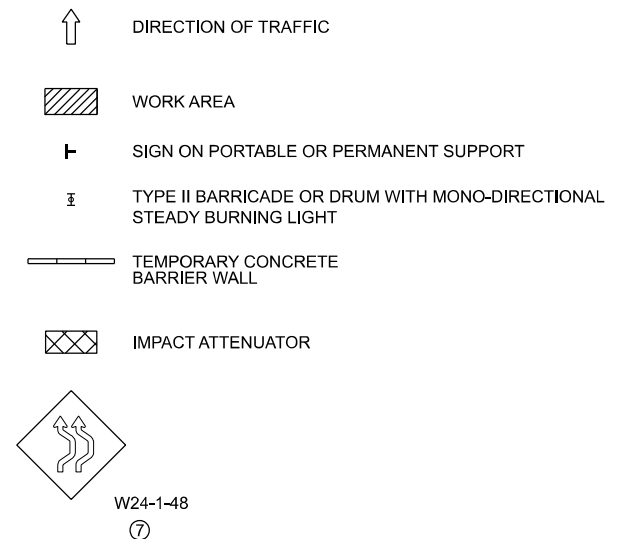
MULTI-LANE WEAVE



GENERAL NOTES:

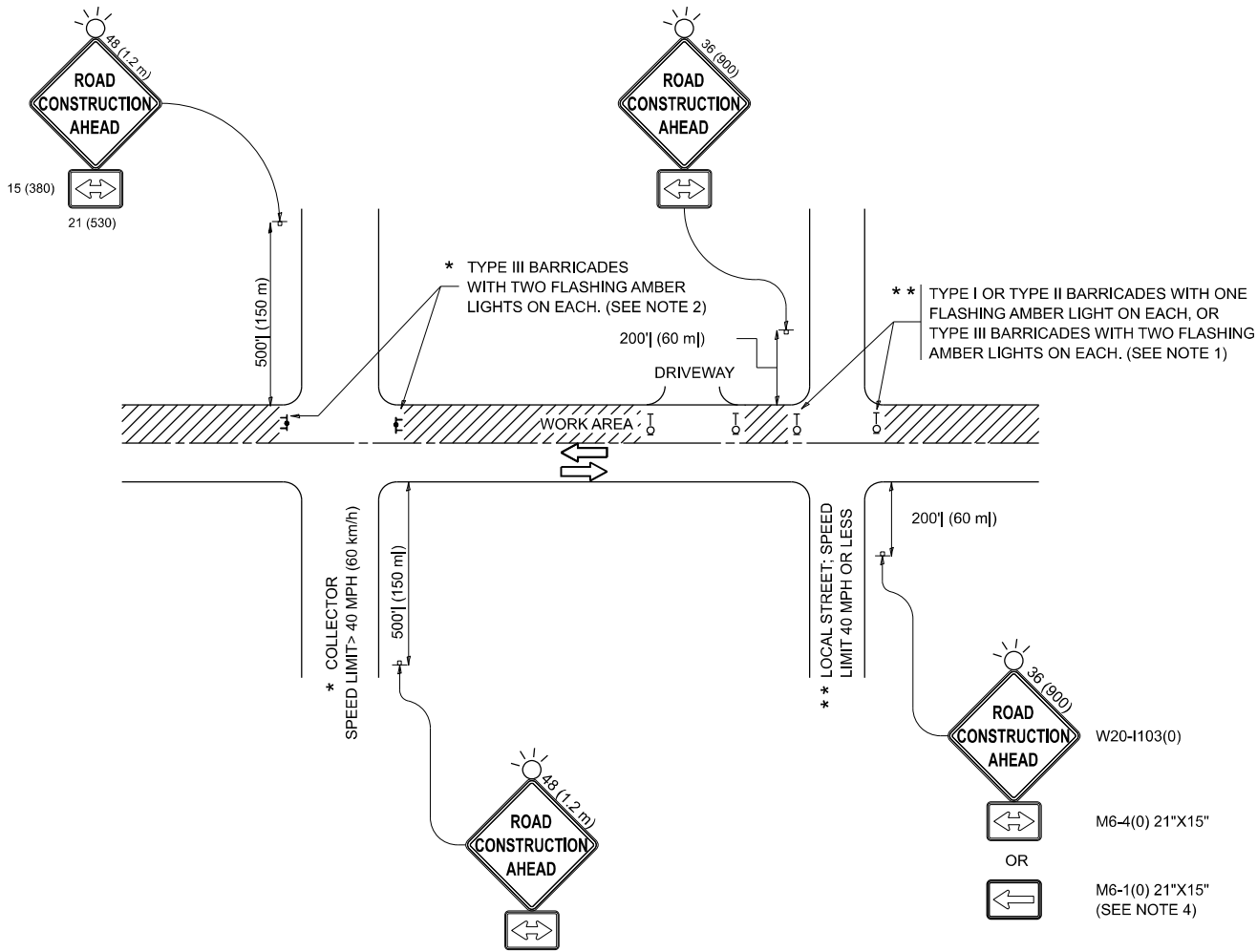
- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA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

SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN

MODEL: TC-10 [Sheet]
FILE NAME: c:\pw_work\wikiboyyang.deng@illinois.gov\1248191\135426-shit-DiasSids.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	= Yuyang.Deng	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	2026-2261-GRR	VARIOUS	21	18
			CHECKED	-								REVISED	- A. SCHUETZE 09-15-06	TC-10		CONTRACT NO. 80F22		
			PLOT DATE	= 6/18/2026	DATE	- 06-89						REVISED	- D. SENDERAK 05-03-24	SCALE:	SHEET	OF	SHEETS	STA.

TURN BAY ENTRANCE AT START
OF LANE CLOSURE TAPER

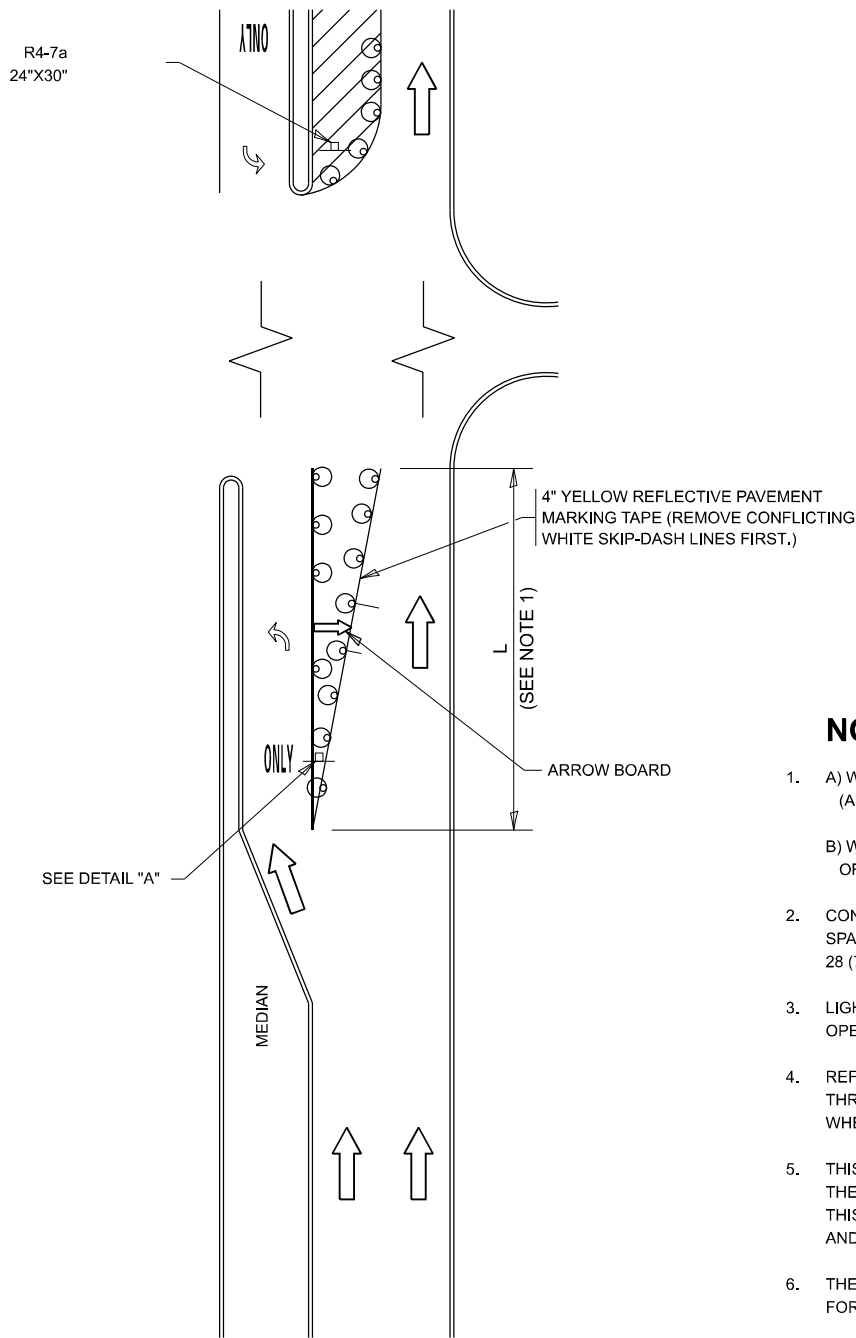
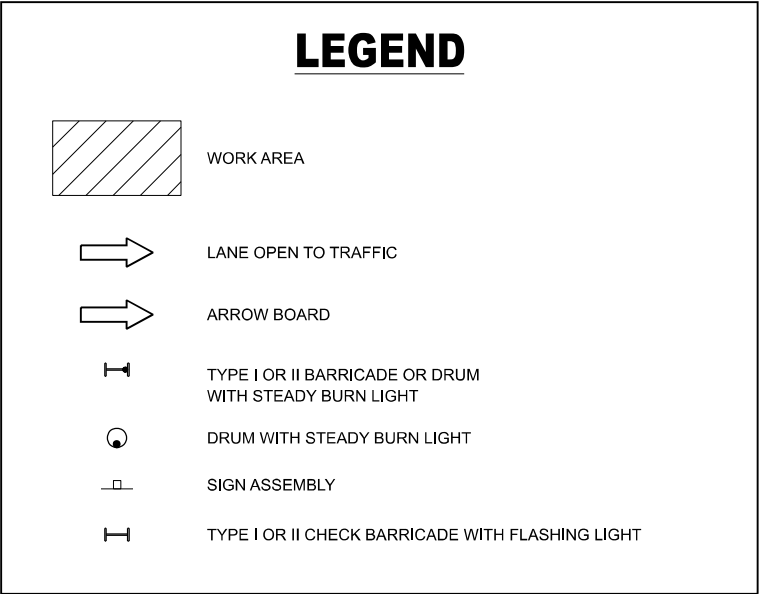


FIGURE 1

LEGEND



NOTES:

- A) WHEN "L" IS $\leq$ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 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.
- LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE
WITHIN A LANE CLOSURE

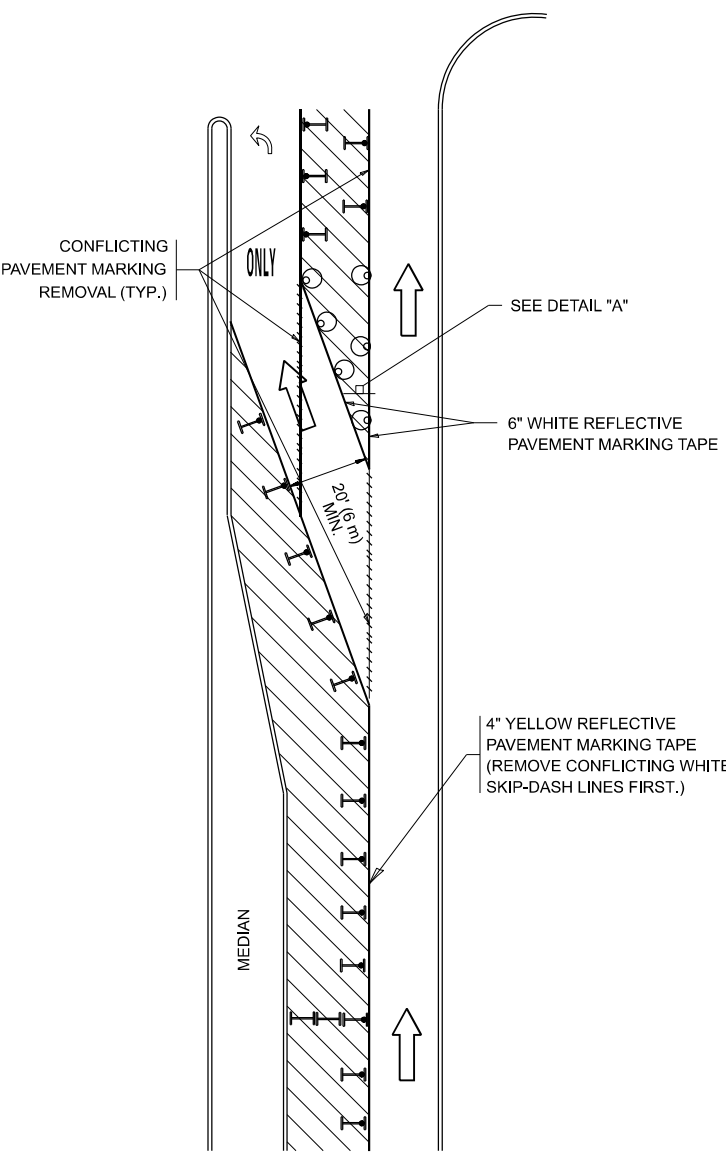
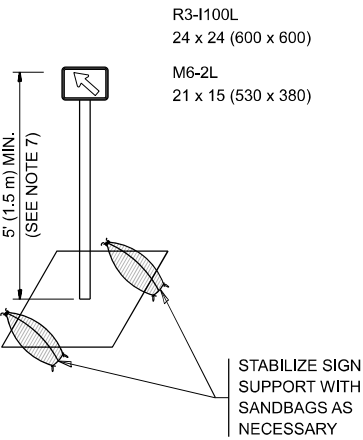


FIGURE 2



DETAIL A

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

MODEL: TC-14 (Sheet)
FILE NAME: c:\pw\work\yuyang.deng@illinois.gov\1248191\135426-shd-DistSids.dgn

USER NAME = Yuyang.Deng	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 6/18/2026	DATE - T. RAMMACHER 01-06-00	REVISED -

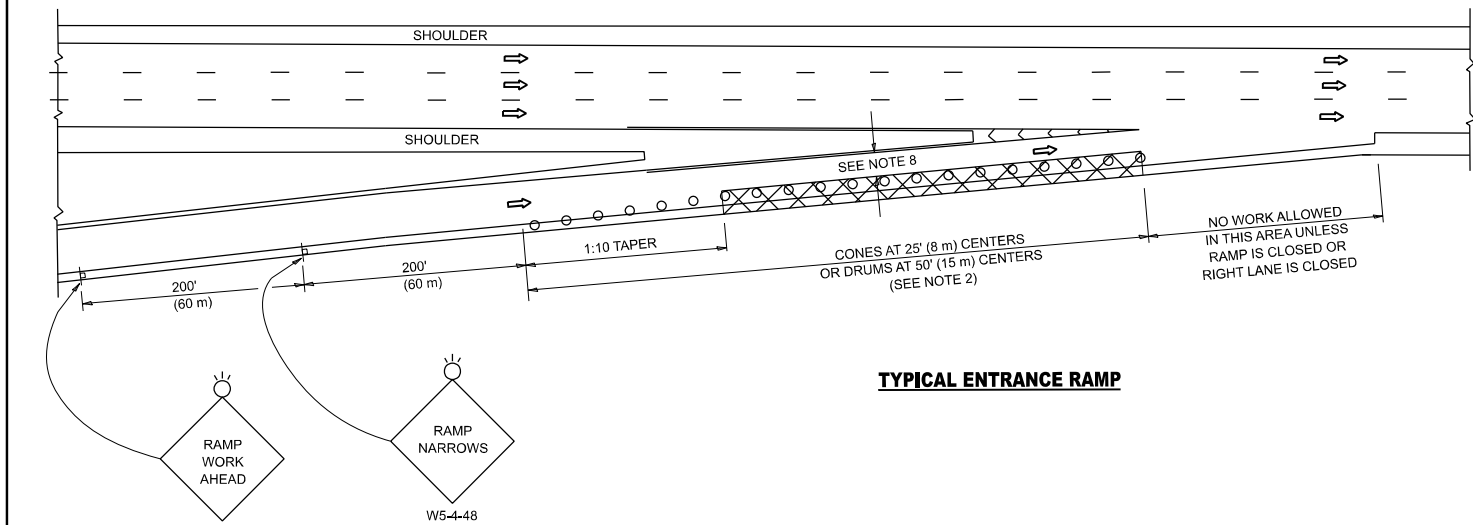
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

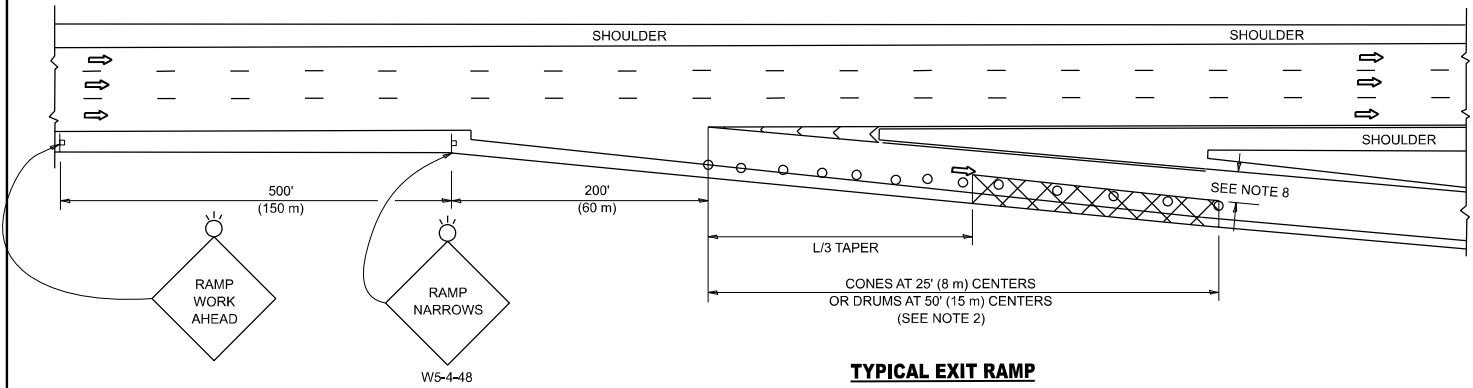
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	2026-2261-GRR	VARIOUS	21	19
TC-14		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		

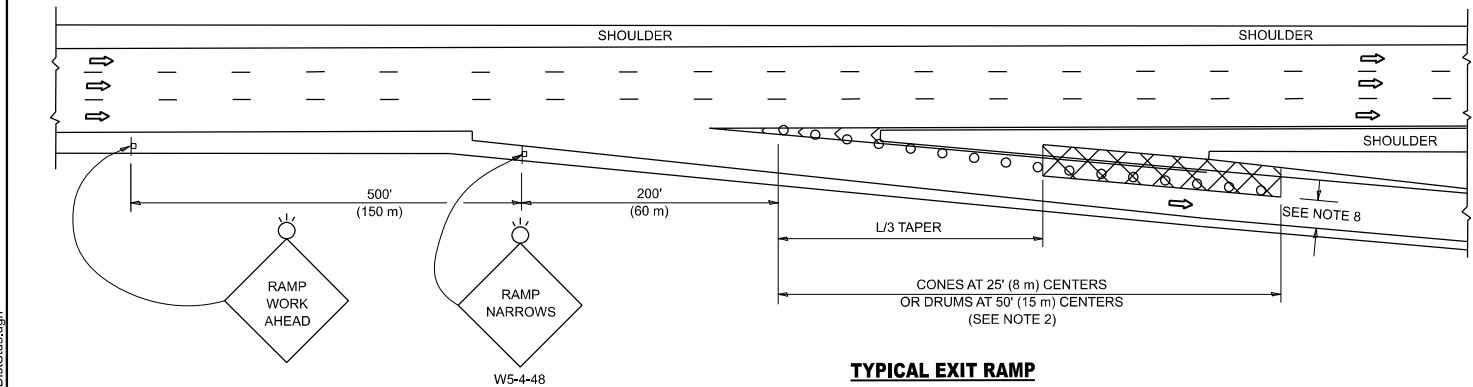
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

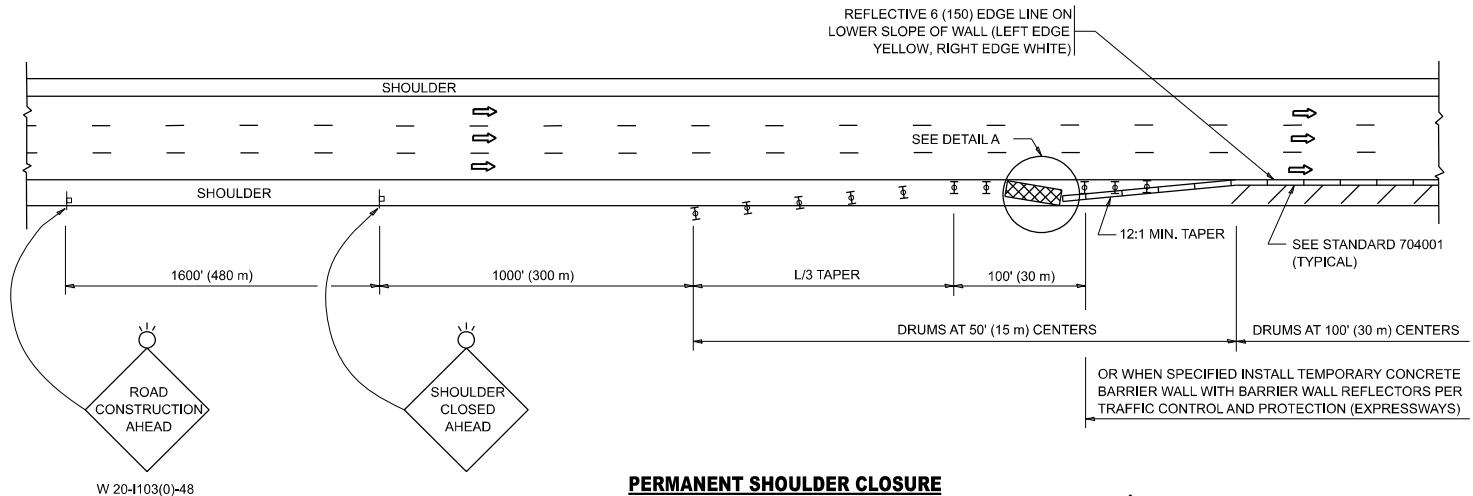
SYMBOLS

- 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

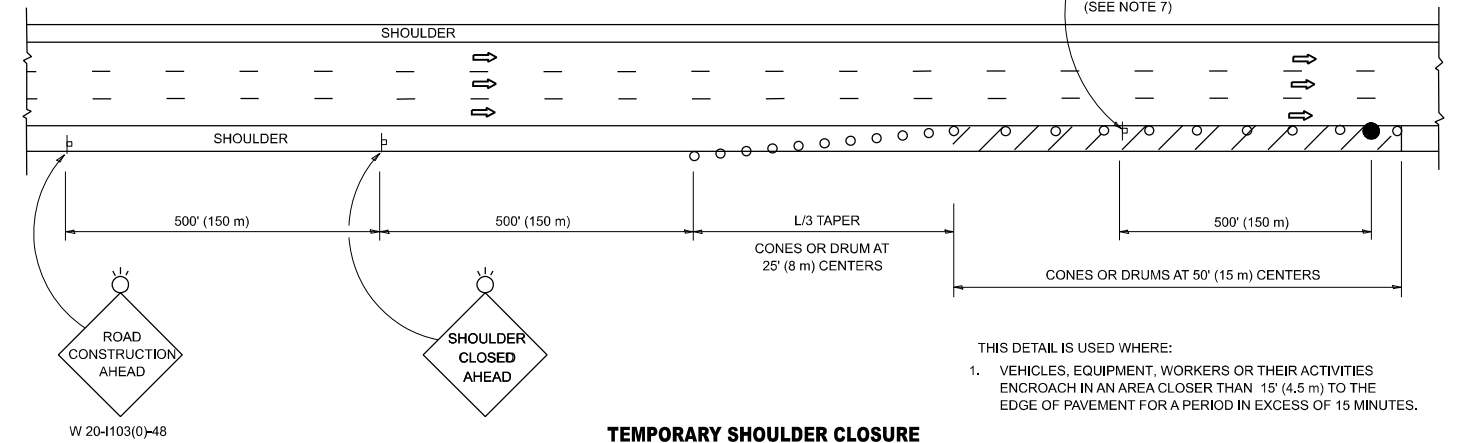
GENERAL NOTES:

- 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.

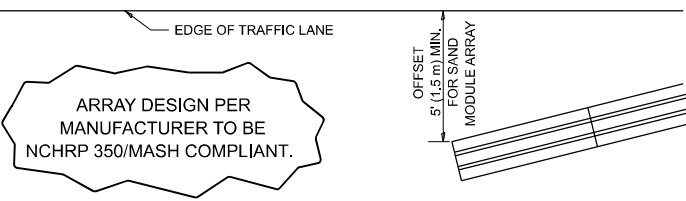
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE



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	2026-2261-GRR	VARIOUS	21	20
TC-17		CONTRACT NO. 80F22		
ILLINOIS		FED. AID PROJECT		