04-25-2025 LETTING ITEM 051

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SECTION ILLINOIS CONTRACT NO. 62X48

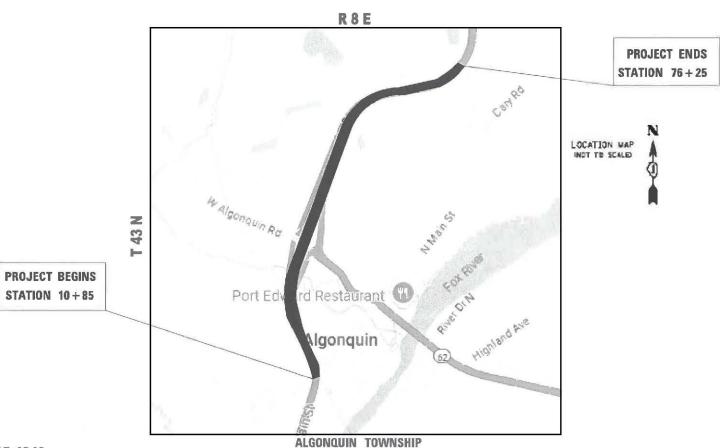
D-91-032-25

PROPOSED HIGHWAY PLANS

FAU ROUTE 3887: IL 31 (WESTERN ALGONQUIN BYPASS)

N MAIN ST TO S MAIN ST **SECTION: 2024-1007-RS** PROJECT: HSIP-RFC9(879) **PAVEMENT GRINDING MCHENRY COUNTY**

C-91-037-25



GROSS LENGTH = 6,540 FT = 1.24 MILES

NET LENGTH = 6.540 FT = 1.24 MILES



STATE OF ILLINOIS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

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THE IMPROVEMENT IS LOCATED IN THE VILLAGE OF ALGONQUIN

TRAFFIC DATA: ADT = 17,900 - 25,600 (2023)

POSTED SPEED LIMIT = 45 MPH

DESIGN DESIGNATION = MINOR ARTERIAL

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS. THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123 OR 811

PROJECT ENGINEER: DANIEL WILGREEN, P.E. (847)-705-4240 PROJECT MANAGER: J. ALAIN MIDY, P.E, (847)-221-3063

CONTRACT NO. 62X48

SHEET

NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
4	TITLE OLIFET	000001-08	CTANDADD CVAIDOLC ADDDEVIATIONS AND DATTEDNS
1	TITLE SHEET		STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	442101-09	CLASS B PATCHING
3	SUMMARY OF QUANTITIES	606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
4	EXISTING AND PROPOSED TYPICAL SECTIONS	701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
5-7	EXISTING AND PROPOSED ROADWAY PLANS	701201-05	LANE CLOSURE, 2L 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
8	TC-08: ENTRANCE AND EXIT RAMP CLOSURE DETAILS	701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH TO 55 MPH
9	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS. INTERSECTIONS, AND DRIVEWAYS	701421 - 08	LANE CLOSURE, MULTILANE, DAY OPERATIONS, FOR SPEEDS ≥ 45 MPH TO 55 MPH
10	TC-11: TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	701422 - 10	LANE CLOSURE, MULTILANE FOR SPEEDS ≥ 45 MPH TO 55 MPH
11	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS	701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\geq~45~\mathrm{MPH}$
12	TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
13	TC-17: TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER AND PARTIAL RAMP CLOSURES	701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
14	TC-22: ARTERIAL ROAD INFORMATION SIGN	701901-10	TRAFFIC CONTROL DEVICES
		780001-05	TYPICAL PAVEMENT MARKINGS

- 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 AND THE VILLAGE OF ALGONQUIN.
- 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. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 5. THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY AREA TRAFFIC FIELD TECHNICIAN, AT BRANDY.KENNEDY@ILLINOIS.GOV, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 6. ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
- 7. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO DISTRICT 1 TYPICAL PAVEMENT MARKING.
- 8. THE CONTRACTOR SHALL CONTACT THE DISTRICT TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM AND FOUNDATIONS AND VERIFYING THE MAST ARM LENGHTS.
- 10. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 11. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 12. CLASS B PAVEMENT PATCHING TO BE DONE ON MAINLINE WITHIN PROJECT LIMITS. LOCATIONS TO BE AS DIRECTED BY THE RESIDENT ENGINEER.
- 13. COMBINATION CURB AND GUTTER AND MEDIAN REPAIR LOCATIONS TO BE DIRECTED BY THE RESIDENT ENGINEER.

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PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -	
PLOT DATE = 2/26/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

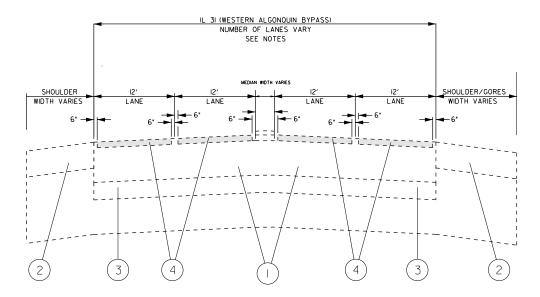
INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES

IL 31 (WESTERN ALGONQUIN BYPASS) FROM N MAIN ST TO S MAIN ST

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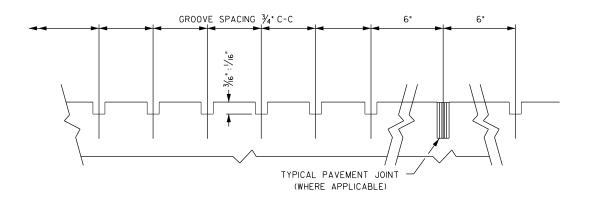
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44200970 CLASS B PATCHES, TYF	PE II, 10 INCH		SQ YD	560		560				* 7	78100300	REPLACEMENT REFLEC	TOR						EAG	CH 8	870	870		<u> </u>	-		
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44200976 CLASS B PATCHES, TYP	PE IV, 10 INCH		SQ YD	80		80				7	78300202	PAVEMENT MARKING R	EMOVAL - WATER E	BLASTING					SQ	FT 1º	1156	1156					
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44201299 DOWEL BARS 1 1/2"			EACH	1040		1040				x	X4400503	COMBINATION CURB AN	D GUTTER REMO	VAL AND REPL	ACEMENT GR	EATER THAN 1) FEET		FO	OT 1	115	\rightarrow	115	+'	<u> </u>		
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44213200 SAW CUTS			FOOT	3462		3462				×	X5537800	STORM SEWERS TO BE	CLEANED 12"						FO	OT 4:	450		450	<u> </u>	-		
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60618300 CONCRETE MEDIAN SU	JRFACE, 4 INCH		SQ FT	900		900				×	X6700407	ENGINEER'S FIELD OFF	ICE, TYPE A (D1)						CAL	. MO	6	6		<u> </u>			
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70102635 TRAFFIC CONTROL AND	D PROTECTION, STANDARD 701701		L SUM	1	1																		l	'	1		
* 78003137 PREFORMED PLASTIC I	PAVEMENT MARKING, TYPE B - STANDARD - LINE 7	7"	FOOT	3467	3467																						
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* 78009000 MODIFIED URETHANE F	PAVEMENT MARKING - LETTERS AND SYMBOLS		SQ FT	350	350				+											+	+	\rightarrow					
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* 78009004 MODIFIED URETHANE F	PAVEMENT MARKING I INC 4"		EOOT	13650	13650				+	+										+	+	-+					
5 70009004 MODIFIED UKETHANE F	PAVEMENT MARKING - LINE 4"		FOOT	13650	13030				+	\vdash										+	+			<u> </u>			
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78009006 MODIFIED URETHANE F	PAVEMENT MARKING - LINE 6"		FOOT	1920	1920															\perp	\rightarrow			<u> </u>	<u> </u>		
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* 78009008 MODIFIED URETHANE F	PAVEMENT MARKING - LINE 8"		FOOT	4810	4810																						
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* 78009012 MODIFIED URETHANE F	PAVEMENT MARKING - LINE 12"		FOOT	3050	3050																						
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TYPICAL SECTION IL 31 (WESTERN ALGONQUIN BYPASS)



STA. 10 + 85 TO STA. 76 + 25

GROOVE DETAIL



LEGEND

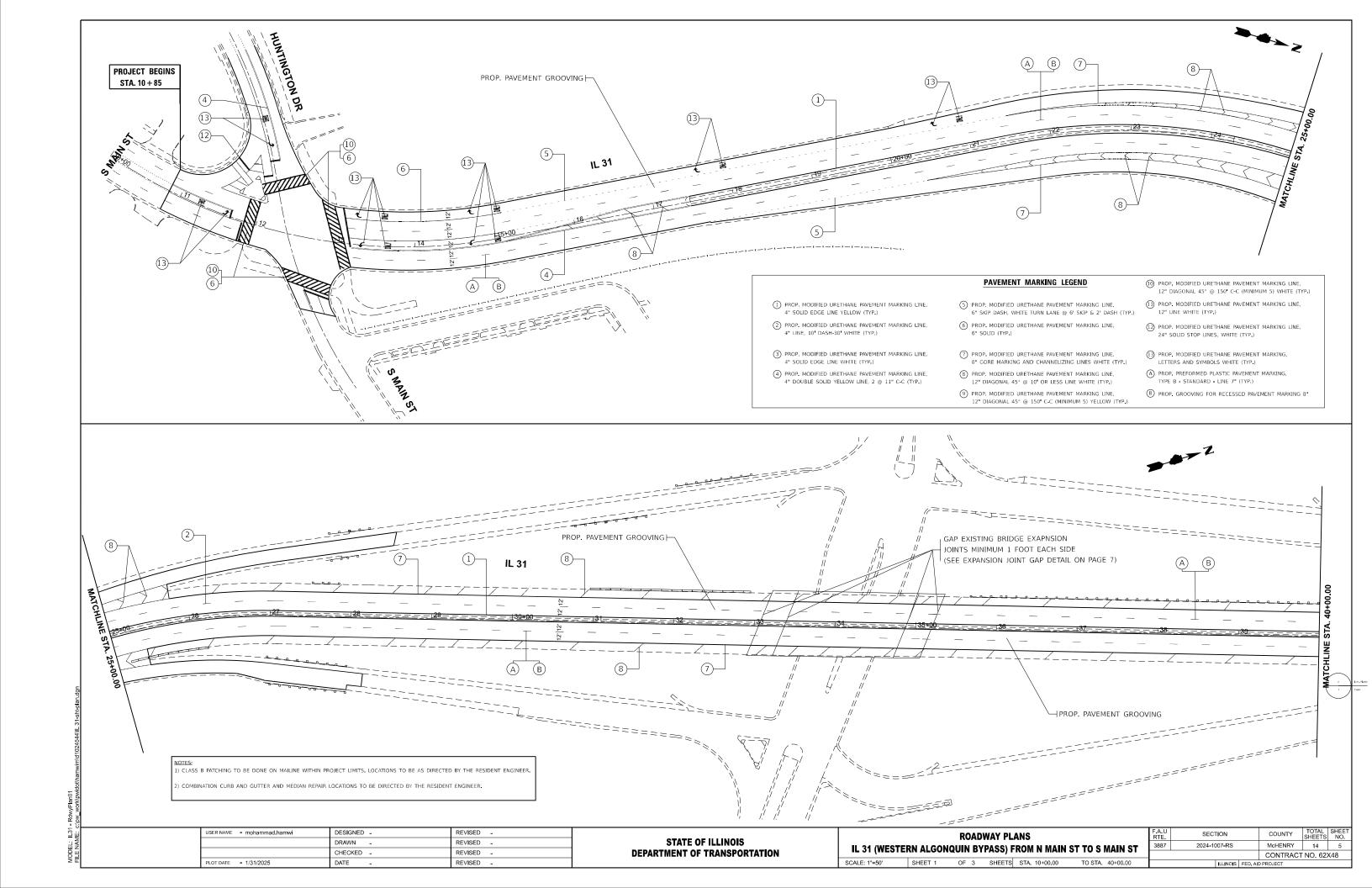
- EXISTING PCC PAVEMENT, 9 3/4" (JOINTED)
- EXISTING PC CONCRETE SHOULDER
- EXISTING STABILIZED SUB-BASE
- PROPOSED PAVEMENT GROOVING (SEE GROOVE DETAIL)

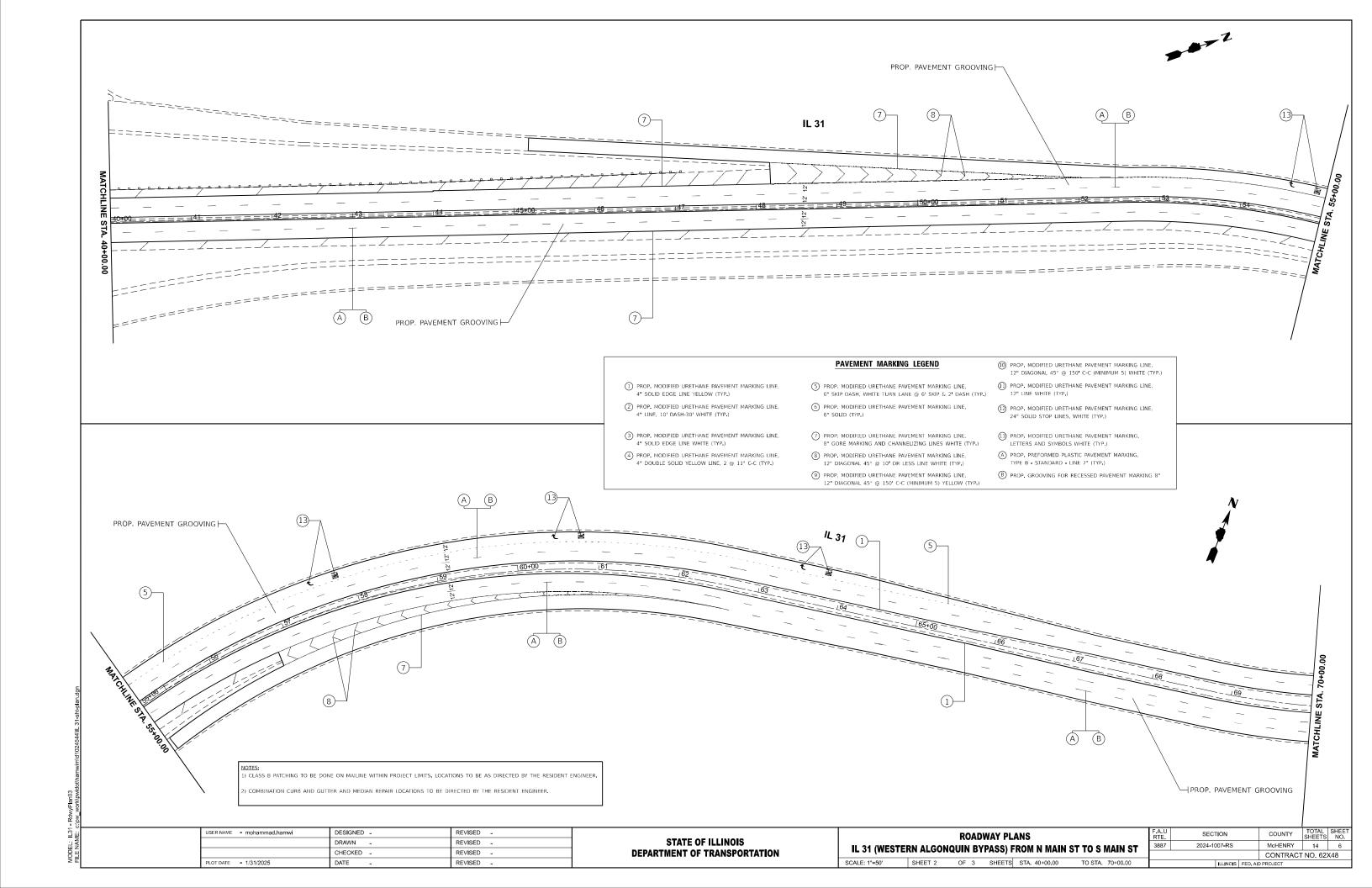
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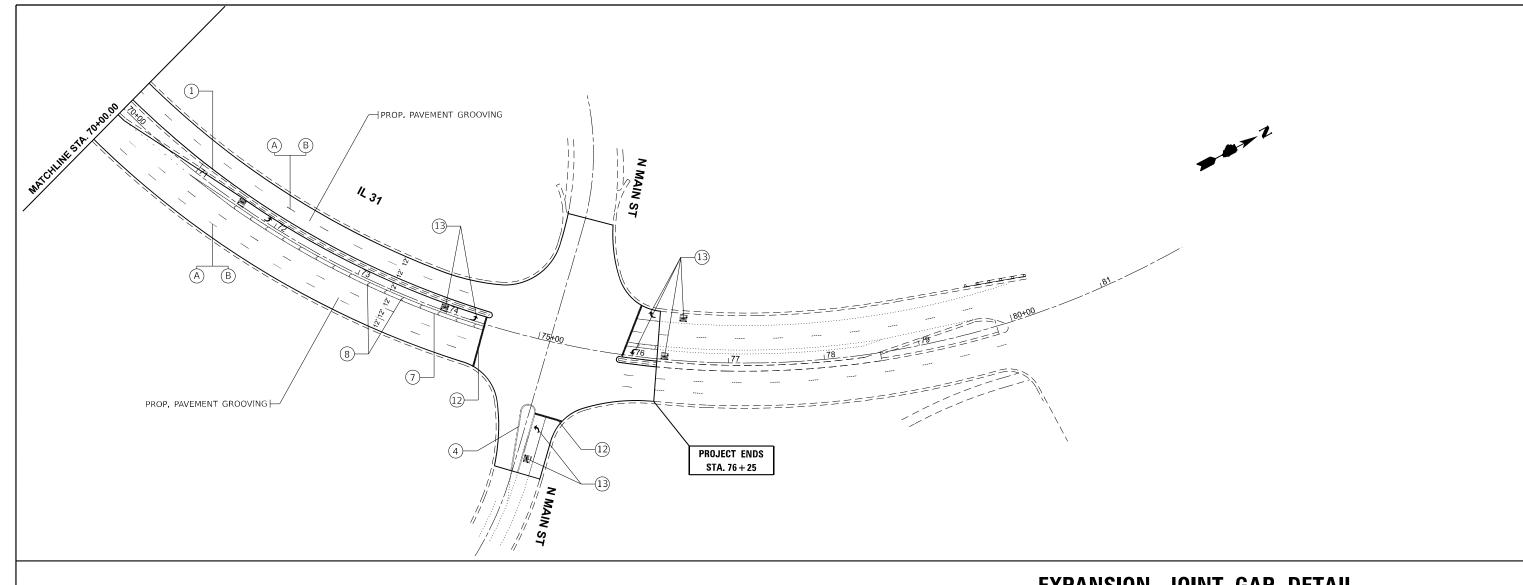
- I.) TYPICAL CROSS SECTION AND GROOVE DETAIL IS FOR INFORMATION ONLY. TYPICAL SECTION VARIES THROUGHOUT IMPROVEMENT AREA.
- 2.) REFER TO THE "PAVEMENT GROOVING" SPECIAL PROVISION.
- 3.) THE PAVEMENT GROOVING PATTERN SHOULD BE $\frac{1}{8}$ INCH WIDE AND $\frac{3}{16}$ INCH: $\frac{1}{16}$ INCH DEEP AT $\frac{3}{4}$ INCH CENTERS.
- PROPOSED PAVEMENT GROOVING (SEE GROOVE DETAIL)
- 5.) PAVEMENT GROOVING LIMITS DO NOT INCLUDE GORE AREAS OR SHOULDERS.
- SUCCESSIVE PASSES OF THE GROOVING MACHINE SHALL NOT OVERLAP.
- 7.) THE CONTRACTOR SHALL MAINTAIN THE EXISTING CROSS SLOPES.

USER NAME = mohammad.hamwi	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/30/2025	DATE -	REVISED -

DEPARTMENT OF TRANSPORTATION







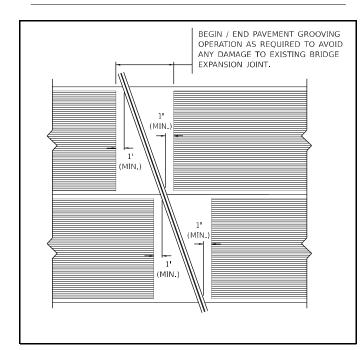
PAVEMENT MARKING LEGEND

- 1 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID EDGE LINE YELLOW (TYP.)
- 2 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" LINE, 10' DASH-30' WHITE (TYP.)
- 3 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 4" SOLID EDGE LINE WHITE (TYP.) 4 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE,
- 4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
- 5 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SKIP DASH, WHITE TURN LANE @ 6' SKIP & 2' DASH (TYP.)
- 6 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 6" SOLID (TYP.)
- 7 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE,
- 8 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 10 OR LESS LINE WHITE (TYP.)
- 9 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) YELLOW (TYP.)

8" GORE MARKING AND CHANNELIZING LINES WHITE (TYP.)

- 10 PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" DIAGONAL 45° @ 150' C-C (MINIMUM 5) WHITE (TYP.)
- (1) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 12" LINE WHITE (TYP.)
- (12) PROP. MODIFIED URETHANE PAVEMENT MARKING LINE, 24" SOLID STOP LINES, WHITE (TYP.)
- (13) PROP. MODIFIED URETHANE PAVEMENT MARKING, LETTERS AND SYMBOLS WHITE (TYP.)
- A PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - STANDARD - LINE 7" (TYP.)
- B PROP. GROOVING FOR RECESSED PAVEMENT MARKING 8"

EXPANSION JOINT GAP DETAIL



I) CLASS B PATCHING TO BE DONE ON MAILINE WITHIN PROJECT LIMITS. LOCATIONS TO BE AS DIRECTED BY THE RESIDENT ENGINEER.

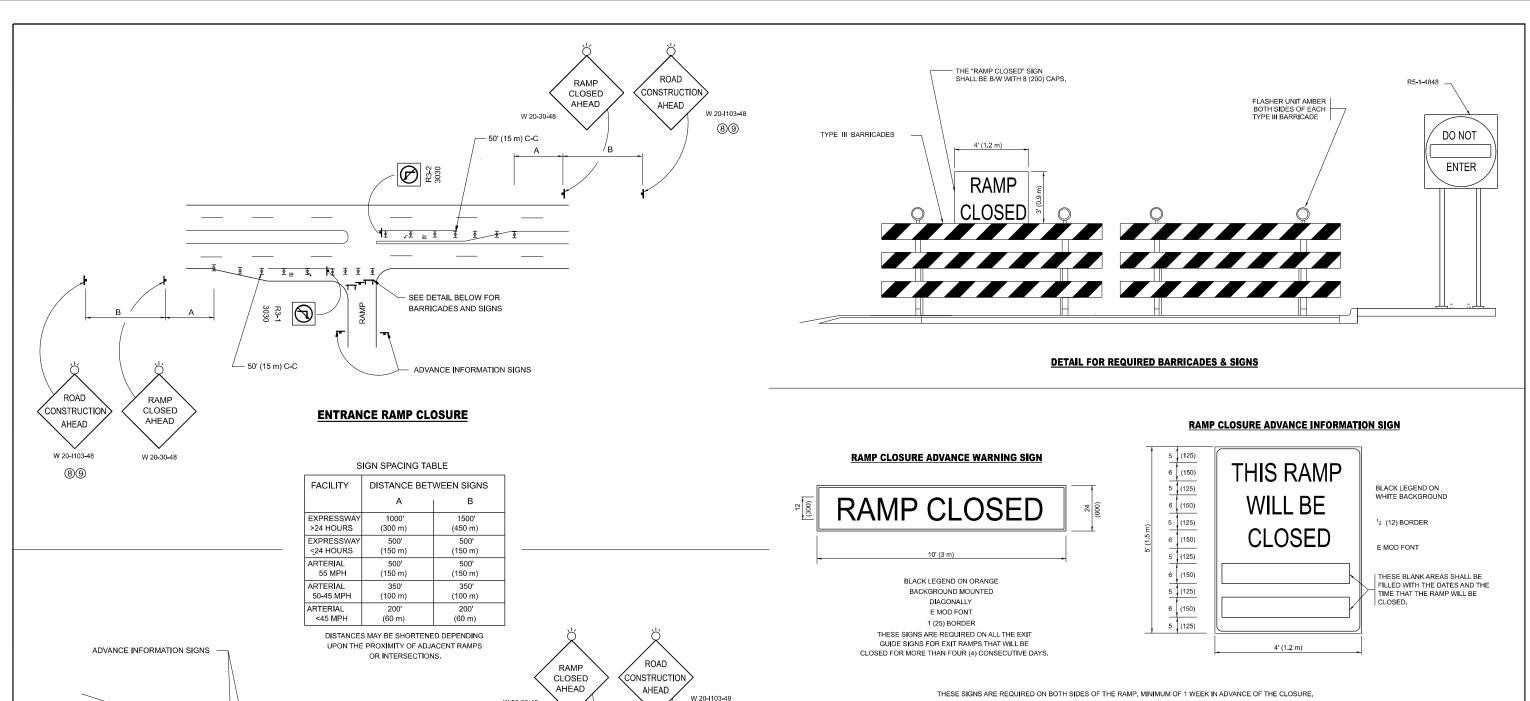
COMBINATION CURB AND GUTTER AND MEDIAN REPAIR LOCATIONS TO BE DIRECTED BY THE RESIDENT ENGINEER.

USER NAME = mohammad.hamwi DESIGNED -REVISED -DRAWN REVISED CHECKED -REVISED PLOT DATE = 1/31/2025 DATE REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

ROADWAY PLANS IL 31 (WESTERN ALGONQUIN BYPASS) FROM N MAIN ST TO S MAIN ST SHEET 3 OF 3 SHEETS STA. 70+00.00 TO STA. 85+00.00

SECTION COUNTY 2024-1007-RS McHENRY 14 7 CONTRACT NO. 62X48



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W 20-30-48

SEE DETAIL BELOW FOR BARRICADES AND SIGNS

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EXIT RAMP CLOSURE

10' (3 m) C-C

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

GENERAL NOTES:

- ONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II
 BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- 2 VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- 3 A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEEDED BY A W20-7 FLAGGER WARNING SIGN.
- 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.
- (5) THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).

- (6) 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
- (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.
- ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

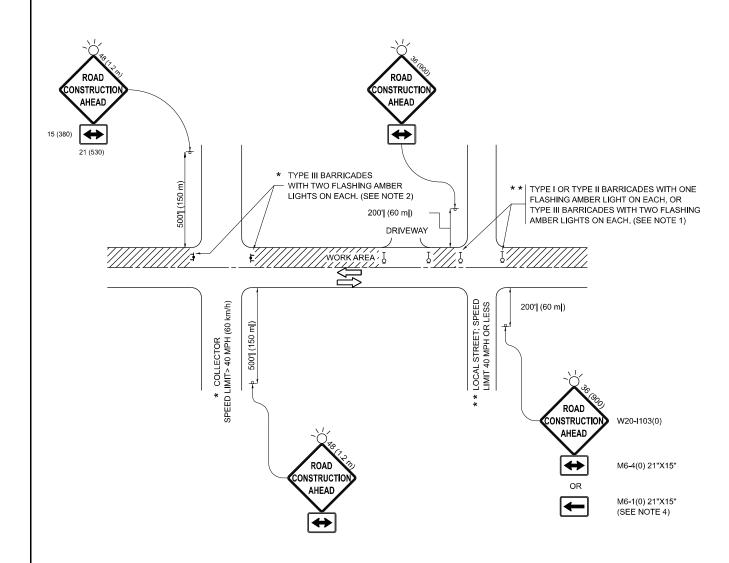
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

USER NAME = mohammad.hamwi	DESIGNED - D.W.S.	REVISED - S.P.B12-09		ENTRANCE AND EXIT RAMP	F.A.U RTF	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - M.D06-13	STATE OF ILLINOIS	CLOSURE DETAILS	3887	2024-1007-RS	McHENRY	14	8
	CHECKED -	REVISED - M.D01-18	DEPARTMENT OF TRANSPORTATION			TC-08	CONTRAC	T NO. 62	X48
PLOT DATE = 1/30/2025	DATE - 02-83	REVISED - D.S05-24		SCALE: NONE SHEET 11 OF 7 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

SYMBOLS

TYPE II BARRICADE OR DRUM

TYPE III BARRICADE WITH 2 FLASHING LIGHTS



NOTES:

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h)
 AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
- b) 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.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT
- 4. 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).

SCALE:

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

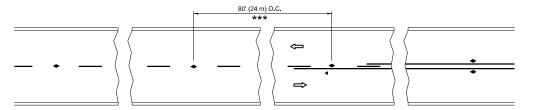
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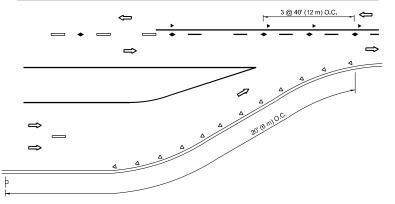
 TC-10
 CONTRACT NO. 62X48

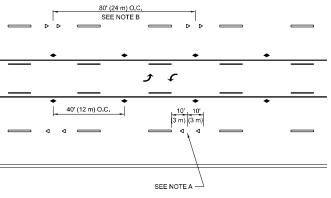
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*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

SEE FIGURE 3B-14 MUTCD

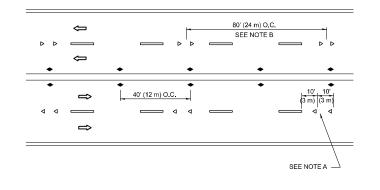


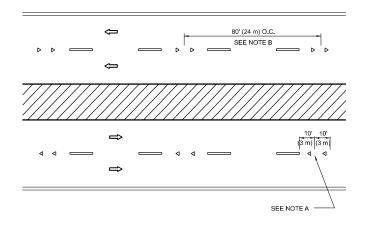


TWO-LANE/TWO-WAY

LANE REDUCTION TRANSITION

TWO-WAY LEFT TURN





MULTI-LANE/UNDIVIDED

MULTI-LANE/DIVIDED

GENERAL NOTES 1. MARKERS USED WITH DASHED LINES SHALL BE

- CENTERED IN THE GAP BETWEEN SEGMENTS.

 2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET
- 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.

 3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE
- LESSER OF THE TWO CURVE SPACINGS.
- 4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

SYMBOLS

YELLOW STRIPE

──── WHITE STRIPE

- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

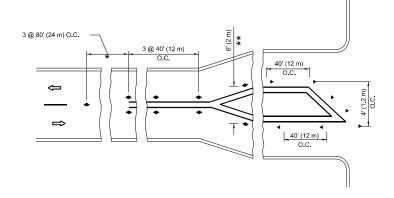
LANE MARKER NOTES

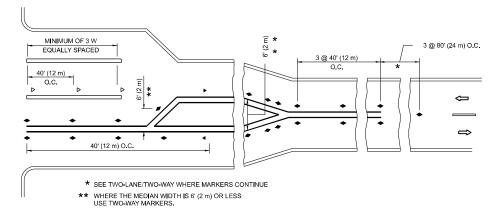
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

- 1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
- EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT
 RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
- 3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- 4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



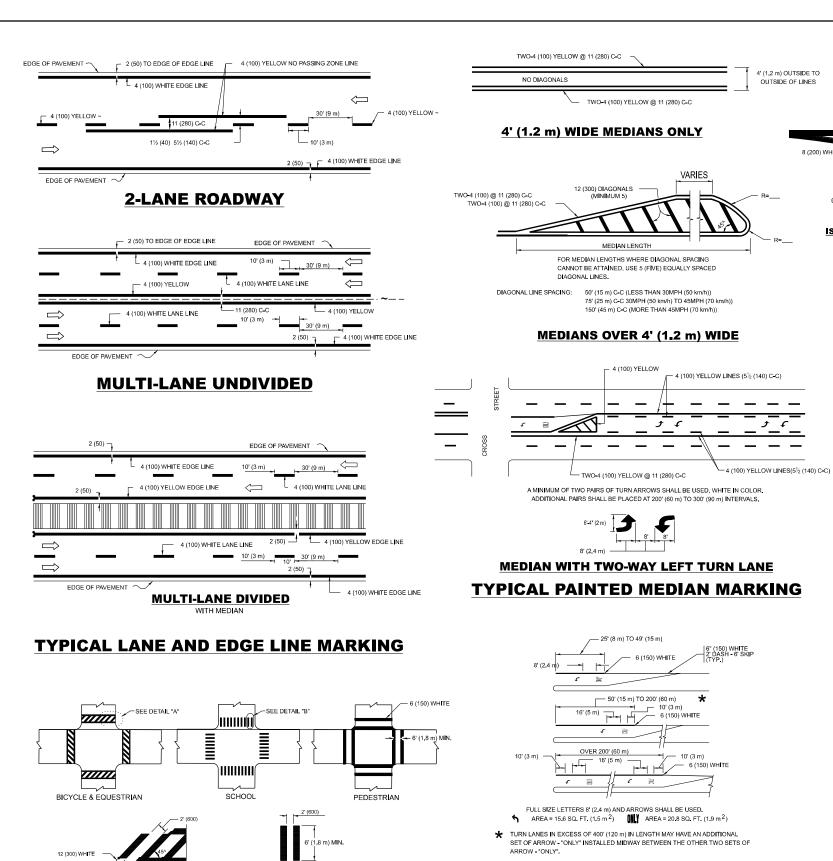


TURN LANES

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

USER NAME = mohammad.hamwi	DESIGNED -	REVISED - T. RAMMACHER 03-12-99			T	YPICAL	APPLIC	ATIONS		F.A.U RTF	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS	RAISED REFL	_			-	PLOW RESISTANT)	3887	2024-1007-RS	McHENRY	14	10
	CHECKED -	REVISED - C. JUCIUS 09-09-09	DEPARTMENT OF TRANSPORTATION	KAISED KEFL	ECTIVE PA	VEIVIEN	IWAKN	EK2 (2NOM-1	LOW KESISTANT)		TC-11	CONTRACT	NO. 62Σ	48
PLOT DATE = 1/30/2025	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AII	O PROJECT		

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TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

TYPICAL CROSSWALK MARKING

6 (150) WHITE

DETAIL "A"

SCALE: NONE

@ 10' (3 m) OR LESS SPACING

8 (200) WHITE

ISLAND OFFSET FROM PAVEMENT EDGE

8 (200) WHITE

ISLAND AT PAVEMENT EDGE

RAISED

TYPICAL ISLAND MARKING

	DIST	RICT O	NE		F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL	DΛ\	EMENT	MARK	INGS	3887	2024-1007-RS	McHENRY	14	11
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			(610	LANE REDUCTION
		40 (1020)	12 (300)	TRANSITION
		<u>U-</u>	TURN	★ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OF GREATER OR WHEN SPECIFIED IN PLANS.
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH: 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (500) APART 2' (500) APART 2' (500) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

COMBINATION

LEFT AND U-TURN

32 R (810)

D(FT)

SPEED LIMIT

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown

JSER NAME = mohammad.hamwi DESIGNED - EVERS REVISED - C. JUCIUS 09-09-09 REVISED -DRAWN C. JUCIUS 07-01-13 CHECKED -PLOT DATE = 1/30/2025 DATE

DETAIL "B"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

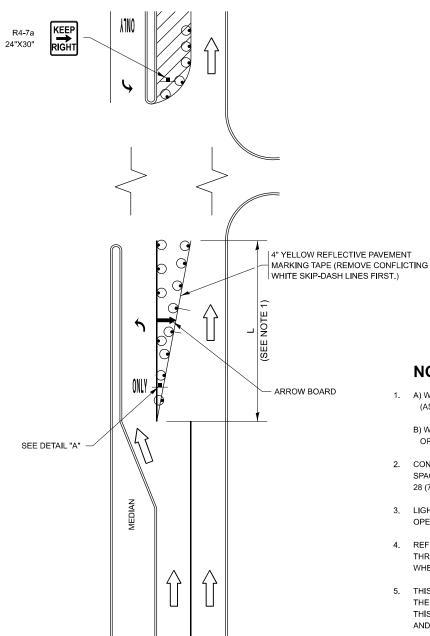


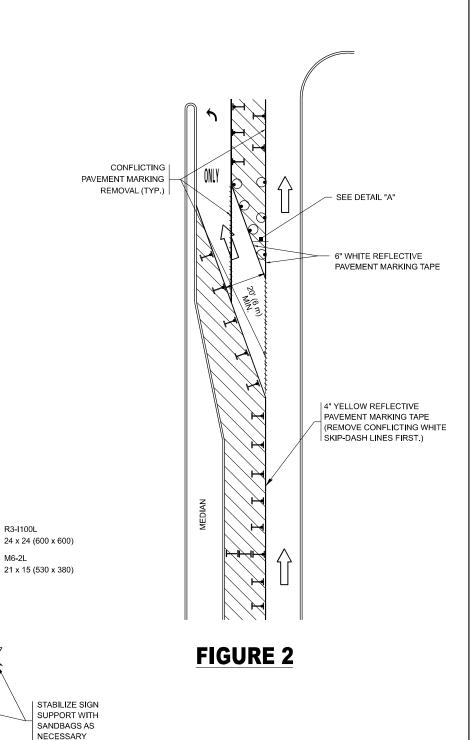
FIGURE 1

LEGEND WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- 1. A) WHEN "L" IS ≤ 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.
- 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.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL
- 4. 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.
- 5. 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.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
- 8. 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



DETAIL A

TURN

M6-2L

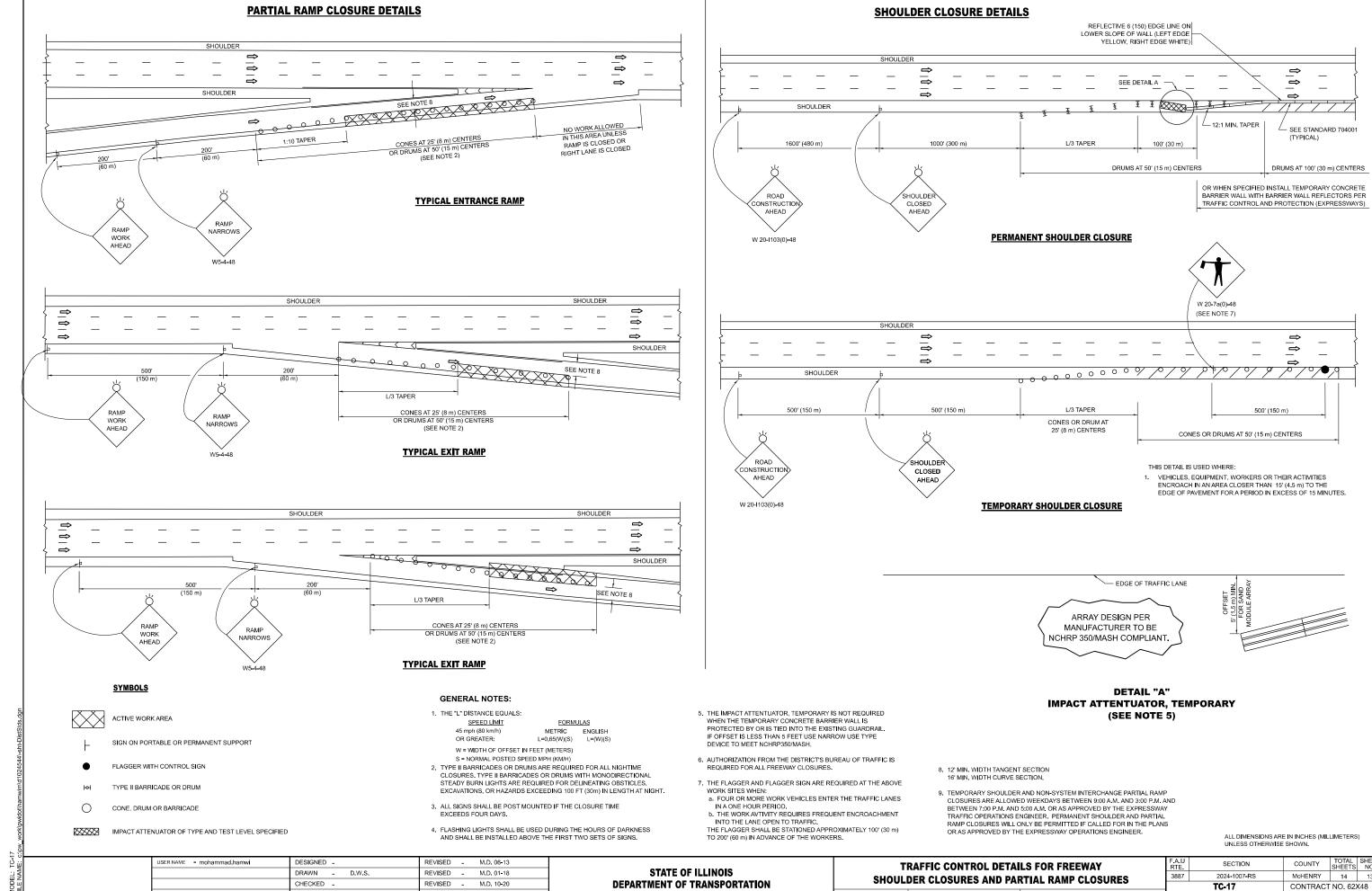
All dimensions are in inches (millimeters) unless otherwise shown.

OSEK WAVE - IIIOHAIIIIIAU.HAIIWI	DEGIGIALD		I. NAMINACHER 09-00-94	KLVIOLD		N. BONO 03-14-03
	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 = 1/30/2025	DATE	-	T. RAMMACHER 01-06-00	REVISED	-	

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

	TRAFF	IC CONTR	ROL AND	PROTE	CTION A	AT TURN BAYS	F.A.U RTE	SECTION	ON
		3887	2024-100	7-F					
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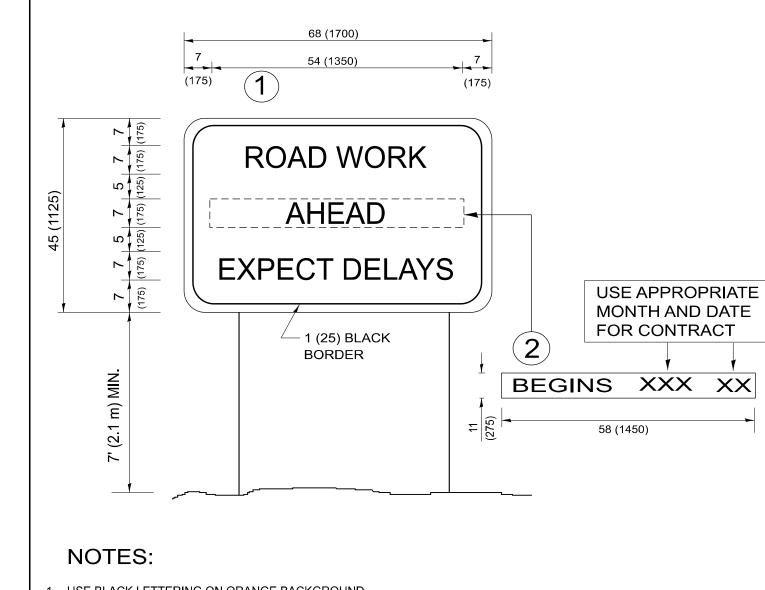
SHEET A006 OF 7 SHEETS STA.

PLOT DATE = 1/30/2025

DATE

REVISED -

D.S. 05-24



- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.

SHEET 1

6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

SCALE: NONE

7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = monammad.hamwi	DESIGNED -	REVISED	- R. MIRS 09-15-97
	DRAWN -	REVISED	 R. MIRS 12-11-97
	CHECKED -	REVISED	- T. RAMMACHER 02-02-99
PLOT DATE = 1/30/2025	DATE -	REVISED	- C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD F.A.U RTE.			SECTI		
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