

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	(125X-HB(1&2)R-1) B 24	LAKE	13	1
		ILLINOIS	CONTRACT NO. 62X39	

D-91-024-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2

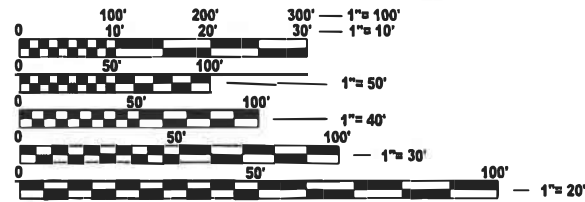
IMPROVEMENTS ARE LOCATED IN
VILLAGE OF GURNEE

DESIGN DESIGNATION
IL 120 (BELVIDERE ROAD) AND
US 41 (SKOKIE HIGHWAY): OTHER PRINCIPAL ARTERIAL

TRAFFIC DATA
US 41
ADT = 30,500 VPD (2023)
IL 120
ADT = 33,400 VPD (2023) WEST OF I-94
ADT = 30,700 VPD (2023) EAST OF I-94

POSTED SPEED
US 41 (SKOKIE HWY): 45 MPH
IL 120 (BELVIDERE RD): 55 MPH

PROJECT LOCATION:
IL 120 (BELVIDERE ROAD)
STA 100+30.00



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

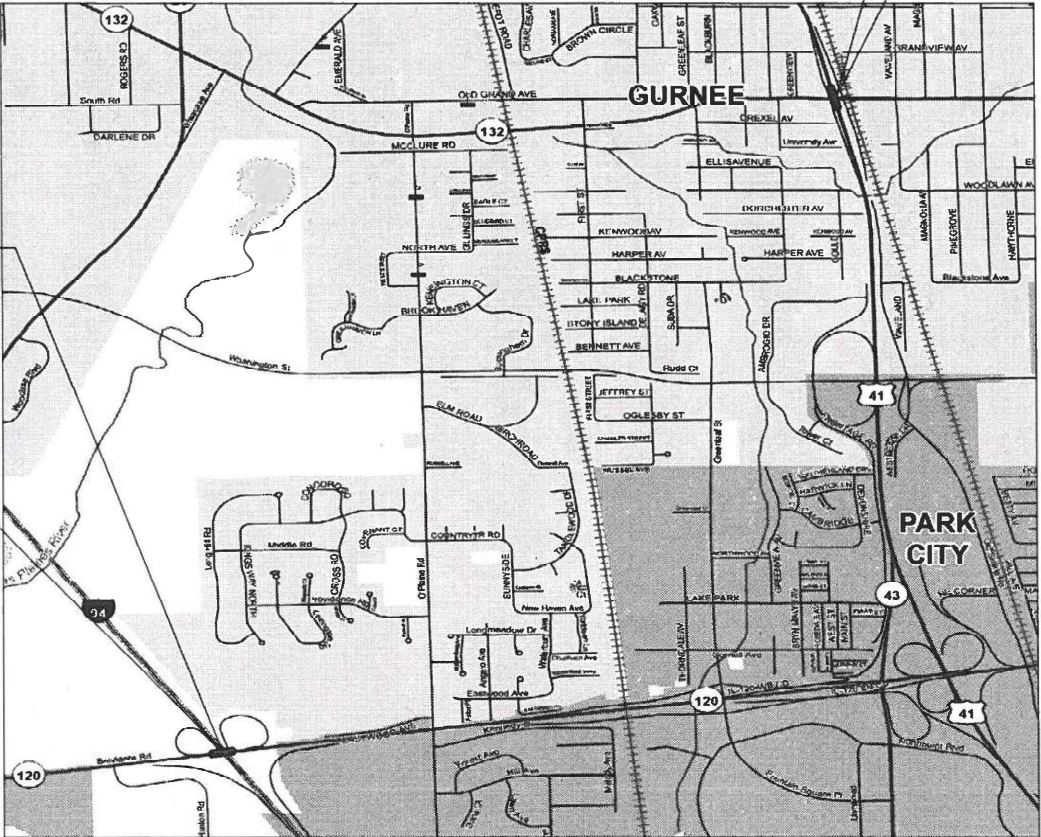
PROJECT ENGINEER: RODRIGO LEDEZMA (847) 705-4580
PROJECT MANAGER: J. ALAIN MIDY (847) 221-3056

CONTRACT NO. 62X39

PROPOSED
HIGHWAY PLANS
FAP ROUTE 0346 AND 0333 (US 41 AND IL 120)
US 41 NB AT IL 132 (GRAND AVE)
IL 120 EB AT I-94 (TRI-STATE TOLLWAY)
SECTION: (125X-HB(1&2)R-1) B 24
BRIDGE APPROACH OVERLAY
LAKE COUNTY

C-91-026-25
R 11 E

PROJECT LOCATION:
US 41 (SKOKIE HIGHWAY)
STA 301+01.80
SN 049-0209



LOCATION MAP NOT TO SCALE

WARREN TOWNSHIP

GROSS LENGTH = 70 FT. = 0.013 MILE, IL 120 (BELVIDERE RD)
= 56 FT. = 0.011 MILE, US 41 (SKOKIE HWY)
TOTAL LENGTH = 126 FT. = 0.024 MILE



DATE: 01-17-2025

LICENSE EXPIRES 11-30-2025
ZACHARY TANNER
MICHAEL BAKER INTERNATIONAL
SHEETS 1 to 9



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Feb 3rd 2025 IR

See E.A. Etz
REGIONAL ENGINEER

March 21 2025
See E.A. Etz
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 2025
See E.A. Etz
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Michael Baker

INTERNATIONAL
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MODEL: Sheet Index
FILE NAME: c:\users\public\mbpw\3\0d230137\0162X39-jht-index and notes.dgn

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3 - 4	SUMMARY OF QUANTITIES
5	TYPICAL SECTIONS
6 - 7	ROADWAY AND PAVEMENT MARKING PLAN
8 - 9	ROADWAY DETAILS
10	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
11	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
12	TRAFFIC CONTROL CLOSURE FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURE (TC-17)
13	ARTERIAL ROAD INFORMATION SIGN (TC-22)

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
630001-13	STEEL PLATE BEAM GUARDRAIL
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP >= 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, >= 45 TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. >= 45 MPH
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL MILLED SURFACES SHALL BE A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- AFTER THE REMOVAL OF PCC SURFACE ON IL 120 EB, THE REMAINING TRANSVERSE CRACKS SHALL BE ROUTED AND FILLED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1.5 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- ALL SHORT-TERM PAVEMENT MARKINGS ON FINAL SURFACES SHALL BE TYPE IV TAPE.
- ANY DAMAGE TO EXISTING PAVEMENT MARKINGS OR REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINES SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR REFERENCE ALL EXISTING PAVEMENT MARKING LINES AND 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.

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PLOT DATE = 3/5/2025

DATE - 11/5/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEET, HIGHWAY STANDARDS AND GENERAL NOTES
US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94

SCALE: N.T.S.

SHEET 1

OF 1

SHEETS

STA.

TO STA.

F.A.P.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

(125X+HB(1&2)R-1)B24

LAKE

13

2

CONTRACT NO. 62X39

ILLINOIS

FED. AID PROJECT

MODEL: SQ001
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				IL 120 100% STATE ROADWAY	U.S. 41 100% STATE ROADWAY			
				0005	0005			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	262	141	121			
40600370	LONGITUDINAL JOINT SEALANT	FOOT	373	208	165			
40605026	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, MIX "F", N80	TON	84	44	40			
44900105	REMOVAL AND REPLACEMENT OF PREFORMED ELASTOMERIC JOINT SEALS FOR PAVEMENT	FOOT	92	45	47			
45200100	JOINT OR CRACK ROUTING (PC CONCRETE PAVEMENT AND SHOULDER)	FOOT	52	52				
45200300	JOINT OR CRACK FILLING	POUND	20	20				
* 63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL	FOOT	200	200				
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	109		109			
67100100	MOBILIZATION	L SUM	1	0.5	0.5			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	0.5	0.5			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	144	72	72			
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	48	24	24			
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	3	1	2			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	282	159	123			

* SPECIALTY ITEM

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PLOT DATE = 11/19/2024

DATE - 11/5/2024

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94

SCALE: N.T.S.

SHEET 1

OF 2

SHEETS

STA.

TO STA.

F.A.P.
RTE.

SECTION

COUNTY

TOTAL
SHEETS

SHEET
NO.

(125X-HB(1&2)-R-1)B24

LAKE

13

3

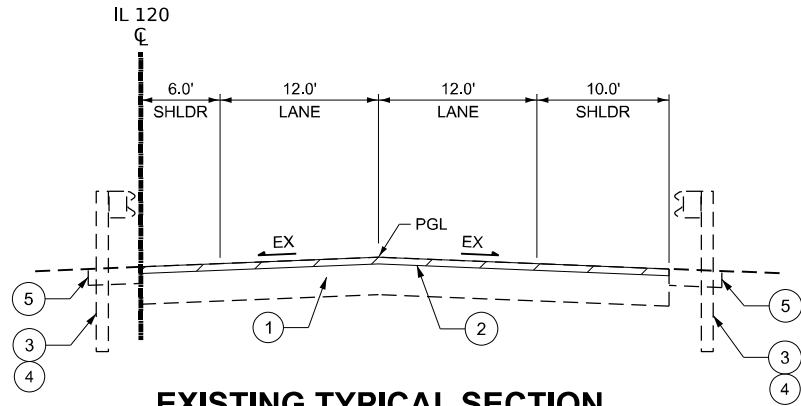
CONTRACT NO. 62X39

ILLINOIS

FED. AID PROJECT

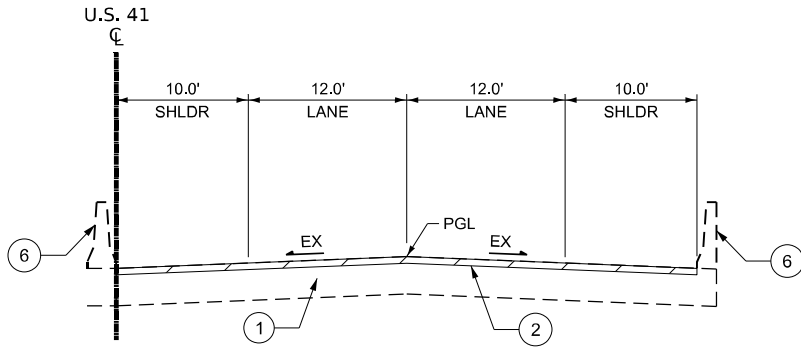
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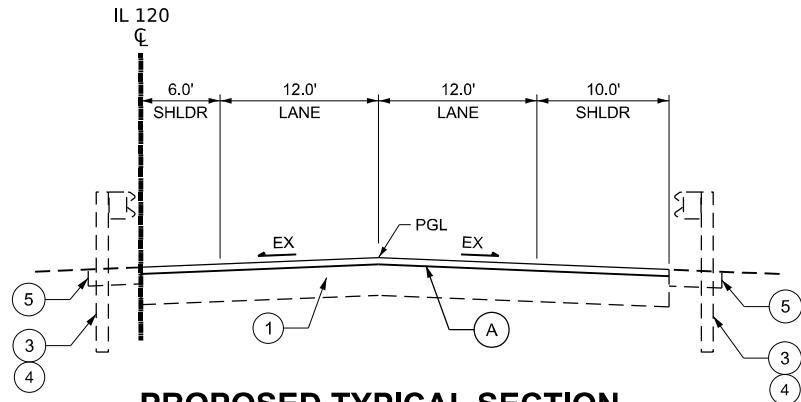
EXISTING TYPICAL SECTION

IL 120 (EB)
STA. 100+30.0 TO STA. 101+00.2



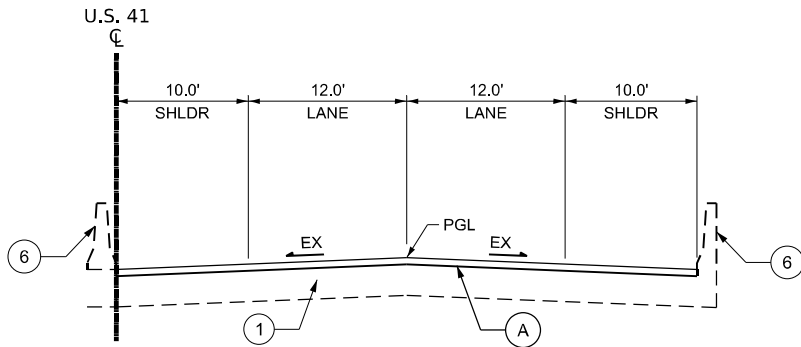
EXISTING TYPICAL SECTION

U.S. 41 (NB)
STA. 300+81.0 TO STA. 301+36.5



PROPOSED TYPICAL SECTION

IL 120 (EB)
STA. 100+30.0 TO STA. 101+00.2



PROPOSED TYPICAL SECTION

U.S. 41 (NB)
STA. 300+81.0 TO STA. 301+36.5

EXISTING LEGEND

- 1 EXIST. P.C. CONCRETE PAVEMENT, 10"
- 2 P.C. CONCRETE SURFACE REMOVAL, VAR. DEPTH
- 3 EXIST. S.P.B. GUARDRAIL OR BARRIER TERMINAL
- 4 REMOVE & RE-ERECT GUARDRAIL OR BARRIER TERMINAL
- 5 EXIST. P.C. CONCRETE SHOULDER 6"
- 6 EXIST. CONCRETE BARRIER

REMOVAL

PROPOSED LEGEND

- A POLY. HMA SURFACE CSE, SMA, 9.5 MIX "F" N80 (VAR. DEPTH; MIN. 1.75")

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
POLY. HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5, MIX "F", N80	3.5% @ 80 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA)		

NOTES:

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANITITES IS 112 LBS/SQ YD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE POLY. HMA SC, SMA 9.5 MIX "F" N80.

MODEL: TYP 1
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	CHECKED - ZJT	REVISED -
PLOT DATE = 11/13/2024	DATE - 11/5/2024	REVISED -

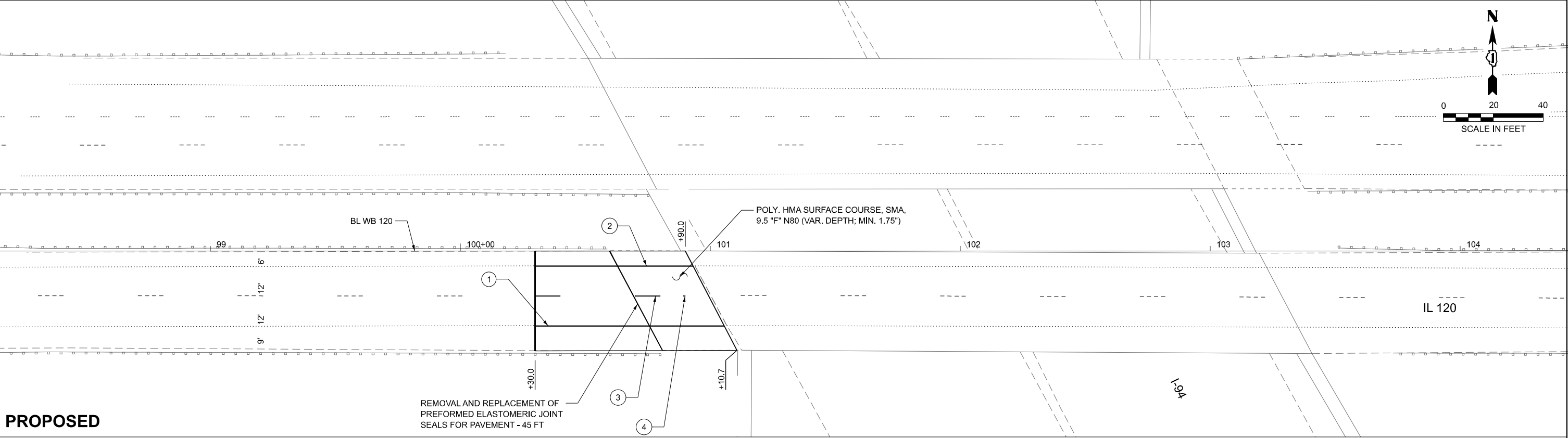
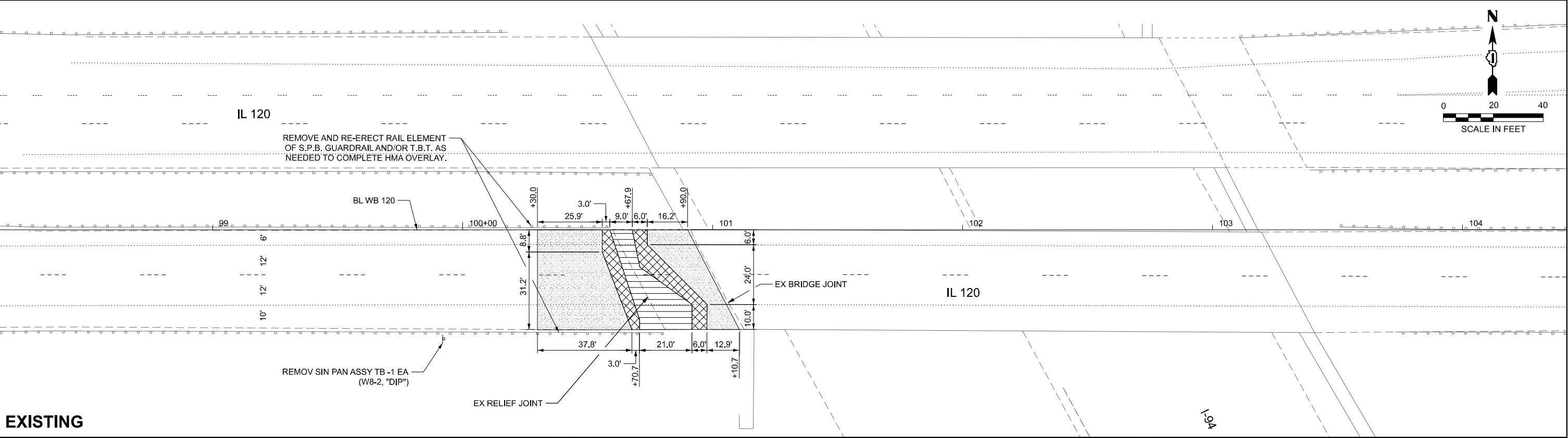
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94

SCALE: N.T.S. SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X+HB(1&2)R-1)B24	LAKE	13	5
CONTRACT NO. 62X39				
ILLINOIS FED. AID PROJECT				

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LEGEND:

- ① THPL PVT MK LINE 4" SOLID, WHITE
② THPL PVT MK LINE 4" SOLID, YELLOW
③ THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
④ RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

- PCC SURF REM, VARIABLE DEPTH
- ESTIMATED REMOVAL DEPTH OF 1 3/4"
- ESTIMATED REMOVAL DEPTH OF 1"
- ESTIMATED REMOVAL DEPTH OF 1/4"

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DATE - 11/5/2024

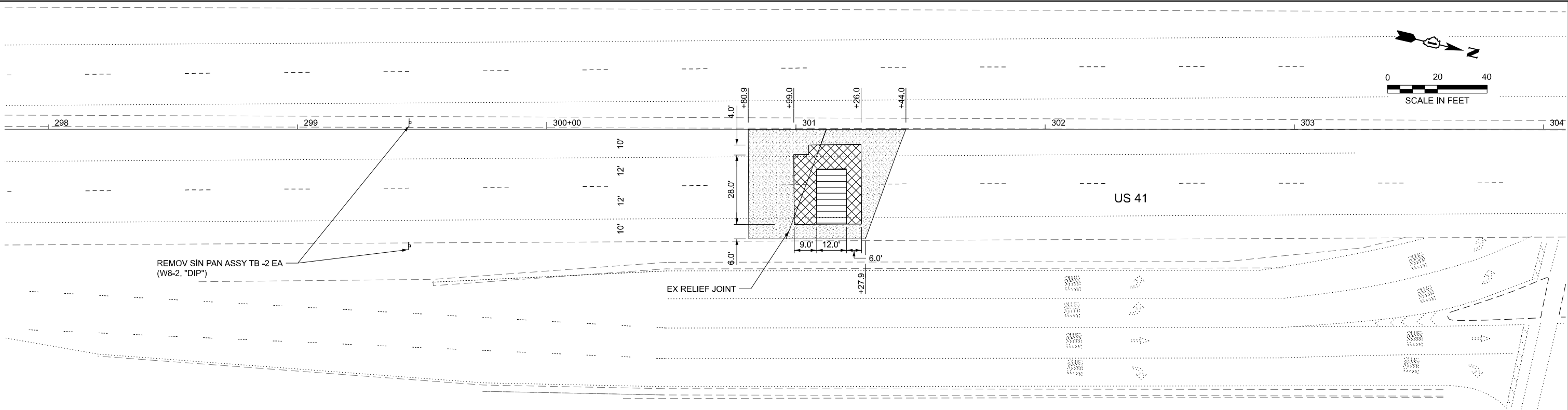
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

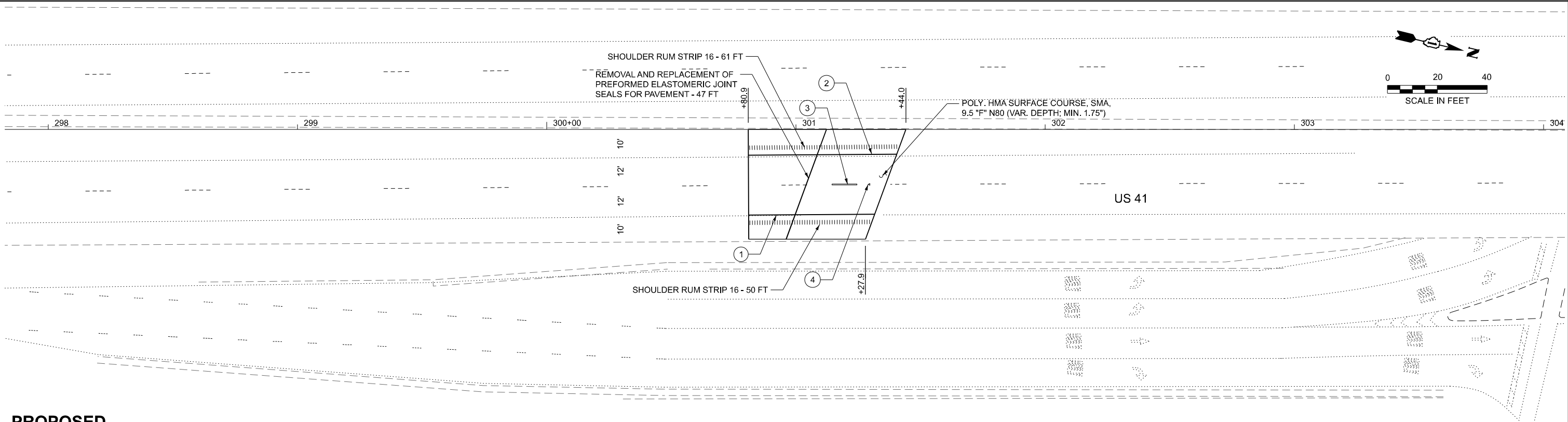
ROADWAY AND PAVEMENT MARKING PLAN
US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. 94+71.00 TO STA. 109+71.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X+HB(1&2)R-1)B24	LAKE	13	6
CONTRACT NO. 62X39				
ILLINOIS FED. AID PROJECT				



EXISTING



PROPOSED

LEGEND:

- ① THPL PVT MK LINE 4" SOLID, WHITE
② THPL PVT MK LINE 4" SOLID, YELLOW
③ THPL PVT MK LINE 4", 10' DASH-30' SKIP, WHITE
④ RAISED REFL PAVT MKR (ONE WAY CRYSTAL)

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ESTIMATED REMOVAL DEPTH OF 1 3/4"
ESTIMATED REMOVAL DEPTH OF 1"
ESTIMATED REMOVAL DEPTH OF 1/4"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94

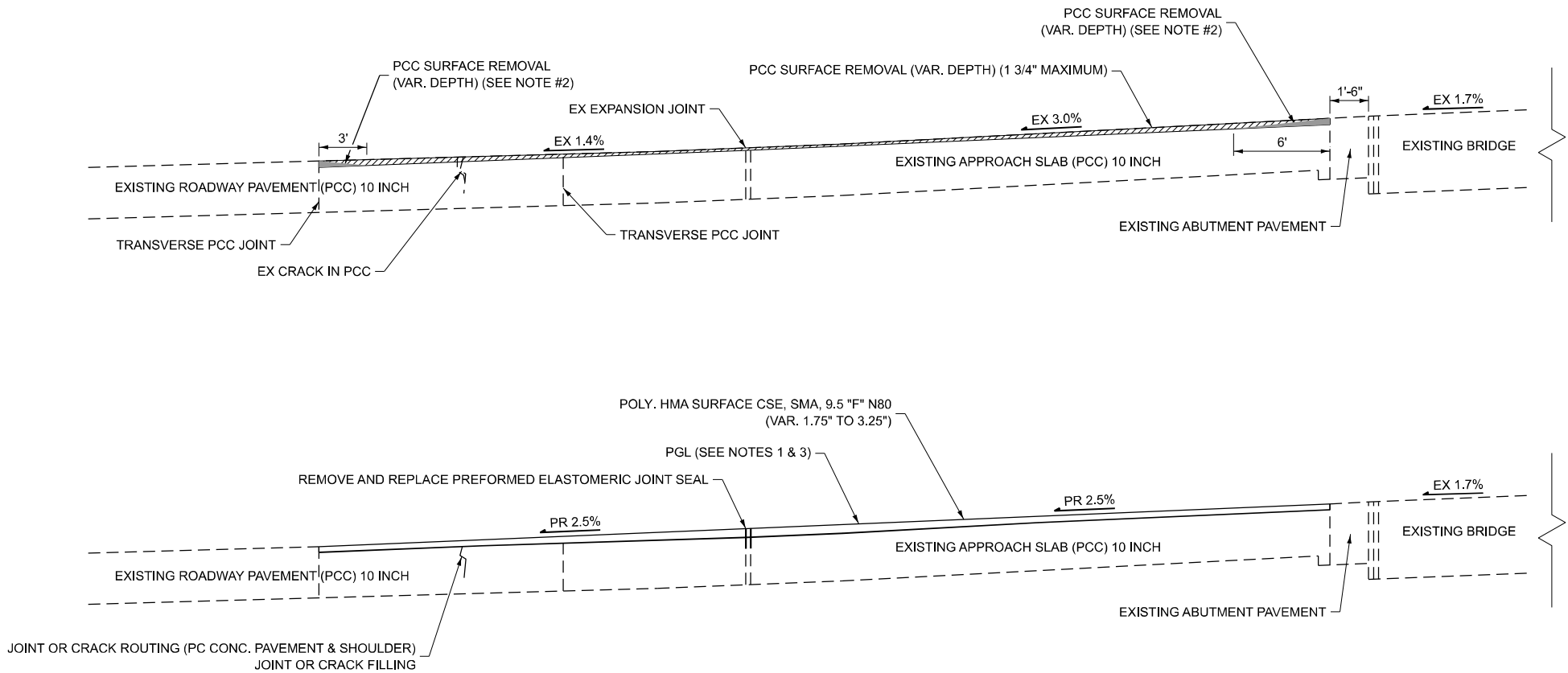
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X-HB(1&2)R-1)B24	LAKE	13	7
CONTRACT NO. 62X39				
ILLINOIS FED. AID PROJECT				

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PLOT DATE = 11/19/2024	DATE - 11/5/2024	REVISED -



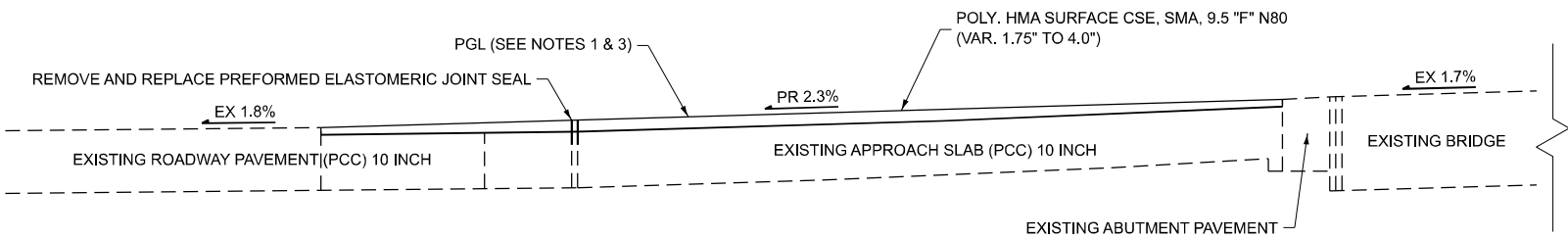
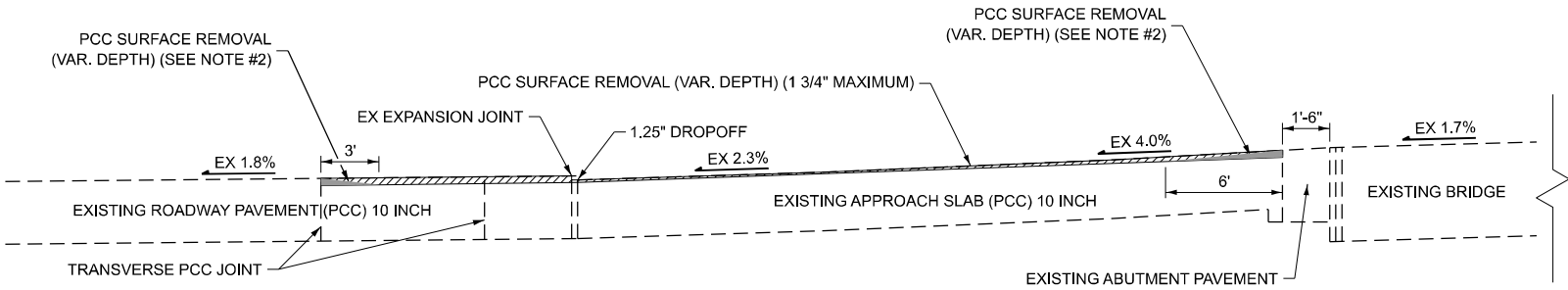
HMA OVERLAY DETAIL

IL 120 (EB)
STA. 100+30.0 TO STA. 101+00.2

- NOTES:
- EXISTING AND PROPOSED GRADE LABELS ARE TAKEN ALONG PGL AND WILL VARY BY OFFSET.
 - PCC SURFACE IN SHADED AREA (■) SHALL BE REMOVED ON THE SAME DAY AS PLACEMENT OF PROPOSED HMA COURSES.
 - IT IS ASSUMED THAT THE PROPOSED HMA OVERLAY WILL HAVE A STRAIGHT-LINE PROFILE BETWEEN THE REMOVAL LIMITS AS SHOWN IN THESE DETAILS.

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<div>Michael Baker</div> <div>INTERNATIONAL</div> <div>200 West Adams Street, Suite 1800, Chicago, IL 60606</div> <div>Phone: (312) 707-8770 • MBAKERINTL.COM</div>	USER NAME = Jaime.Rivera	DESIGNED - CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - WJT	REVISED -						(125X+HB(1&2)R-1)B24	LAKE	13	8
		CHECKED - ZJT	REVISED -		US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94			CONTRACT NO. 62X39				
	PLOT DATE = 11/13/2024	DATE = 11/5/2024	REVISED -		SCALE: N.T.S.	SHEET 1	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



HMA OVERLAY DETAIL

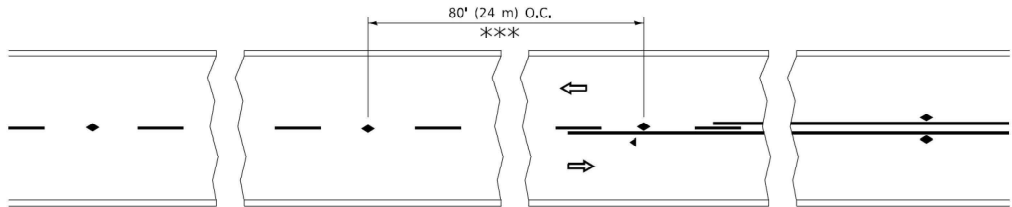
U.S. 41 (NB)
STA. 300+81.0 TO STA. 301+36.5

NOTES:

- EXISTING AND PROPOSED GRADE LABELS ARE TAKEN ALONG PGL AND WILL VARY BY OFFSET.
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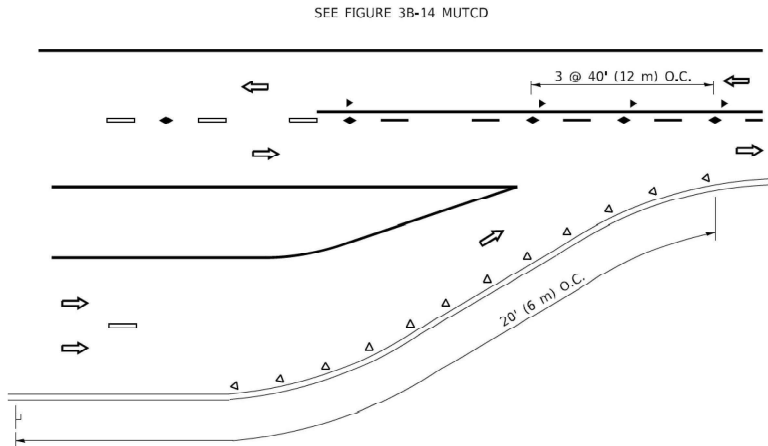
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<div>Michael Baker</div> <div>INTERNATIONAL</div> <div>200 West Adams Street, Suite 1800, Chicago, IL 60606</div> <div>Phone: (312) 707-8770 • MBAKERINTL.COM</div>	USER NAME = Jaime.Rivera		DESIGNED - CEL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			DRAWN - WJT	REVISED -		US 41 NB AT IL 132 (GRAND AVE) AND IL 120 EB AT I-94				(125X+HB(1&2)R-1)B24	LAKE	13	9
			CHECKED - ZJT	REVISED -					CONTRACT NO. 62X39				
	PLOT DATE = 11/13/2024		DATE - 11/5/2024	REVISED -		SCALE: N.T.S.	SHEET 2	OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

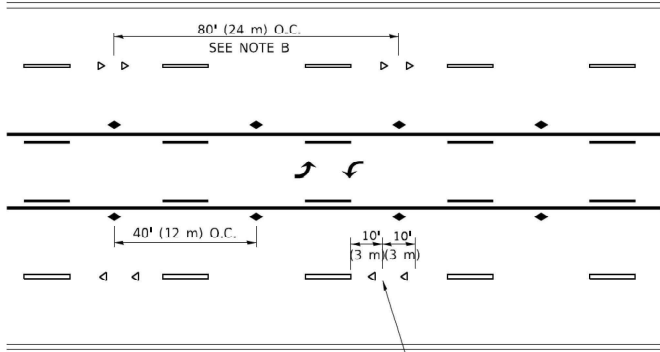


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

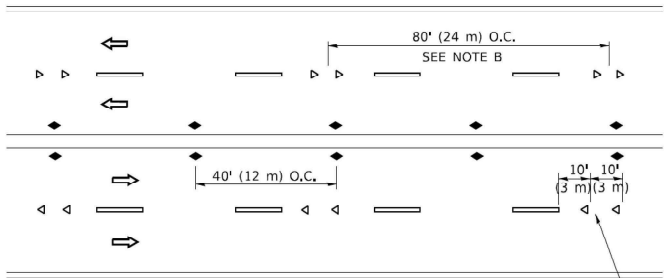


LANE REDUCTION TRANSITION



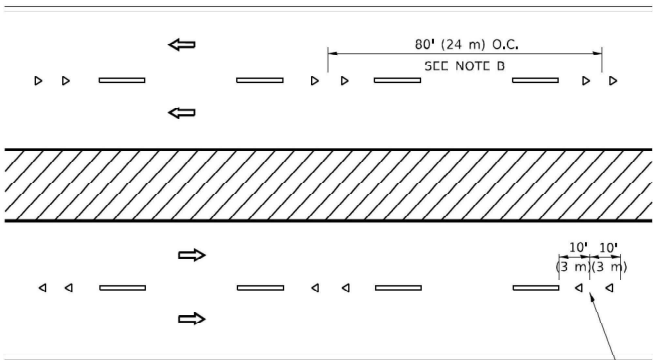
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

MULTI-LANE/DIVIDED

GENERAL NOTES

- MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
- MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
- MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
- MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

LANE MARKER NOTES

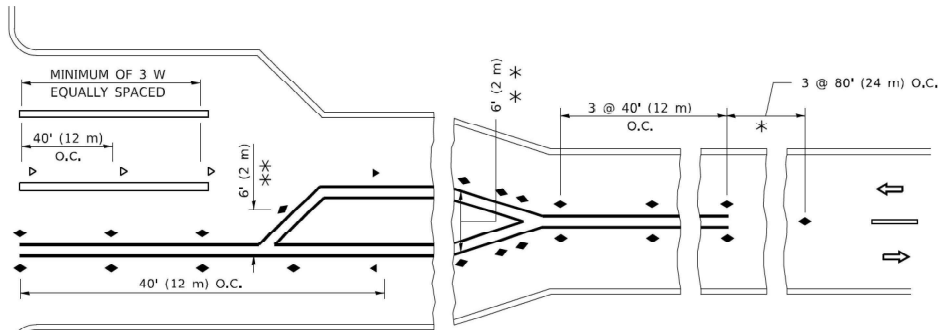
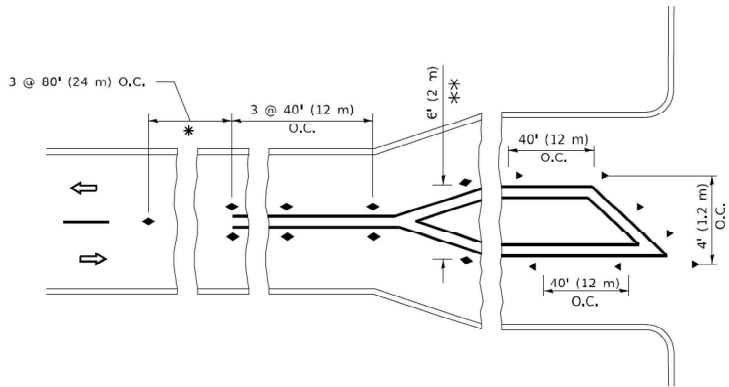
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

DESIGN NOTES

- 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.
- THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
- MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS
USE TWO-WAY MARKERS.

TURN LANES

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

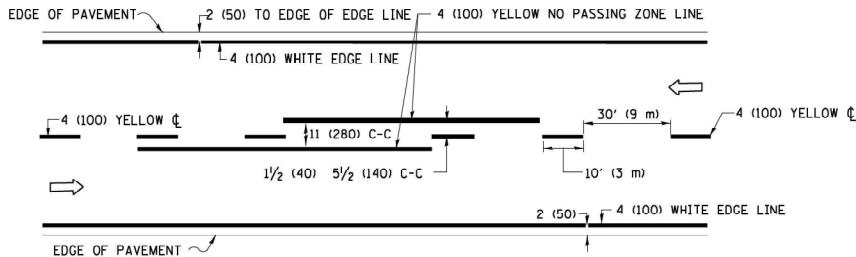
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

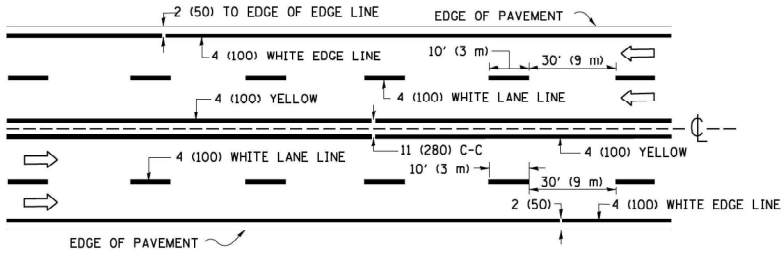
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-11		CONTRACT NO.62X39		
		ILLINOIS FFD. AID PROJECT		

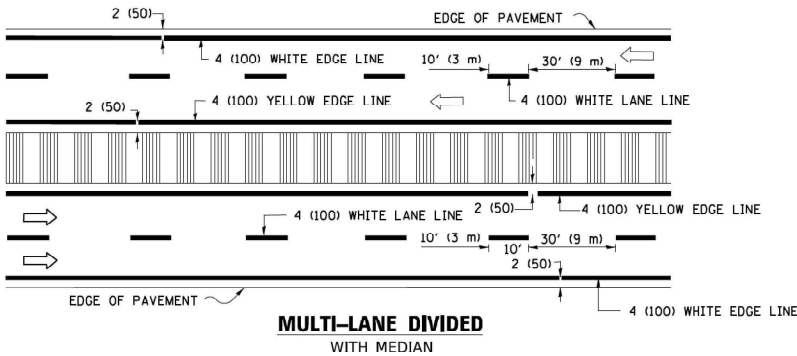
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2-LANE ROADWAY

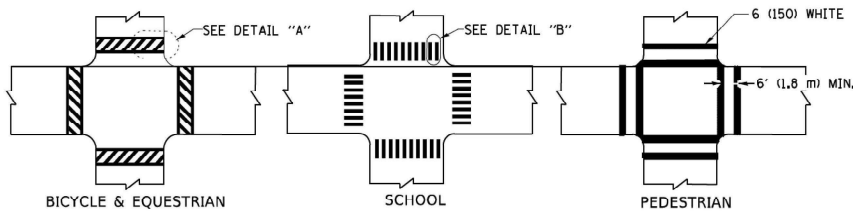


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

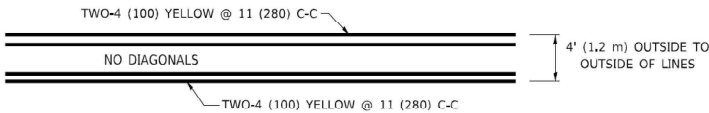


DETAIL "A"

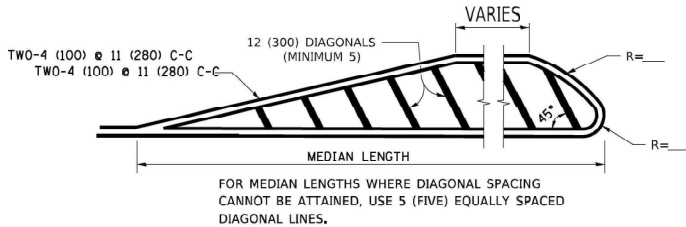
DETAIL "B"

TYPICAL CROSSWALK MARKING

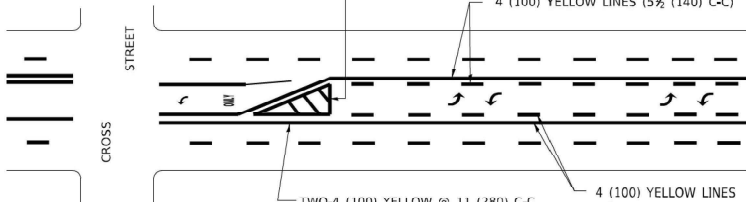
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

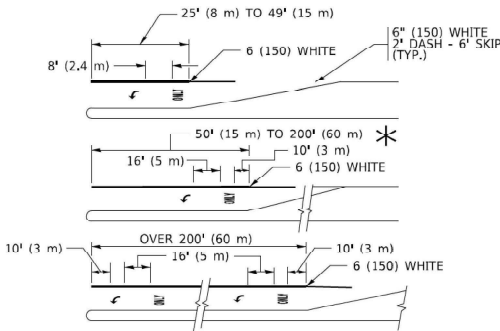


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

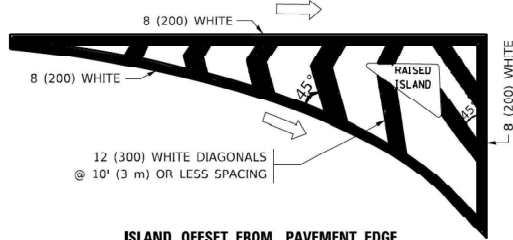


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

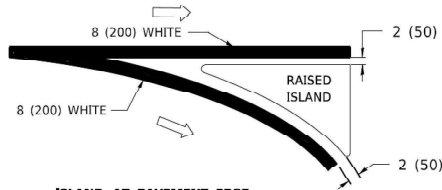
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

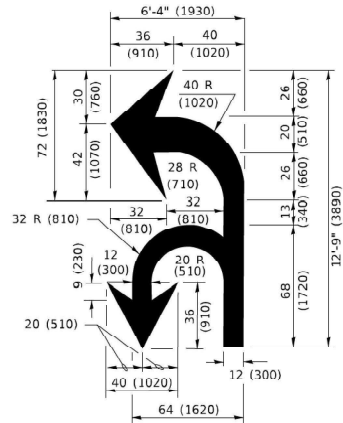


ISLAND OFFSET FROM PAVEMENT EDGE

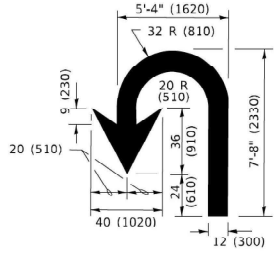


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 WHITE	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	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) 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" 15 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

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.

USER NAME = footen]	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 30.0000" / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

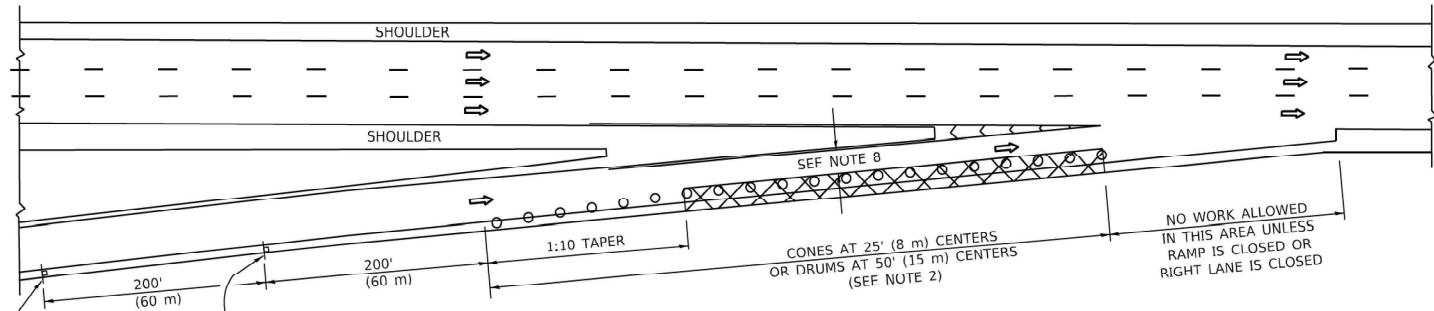
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

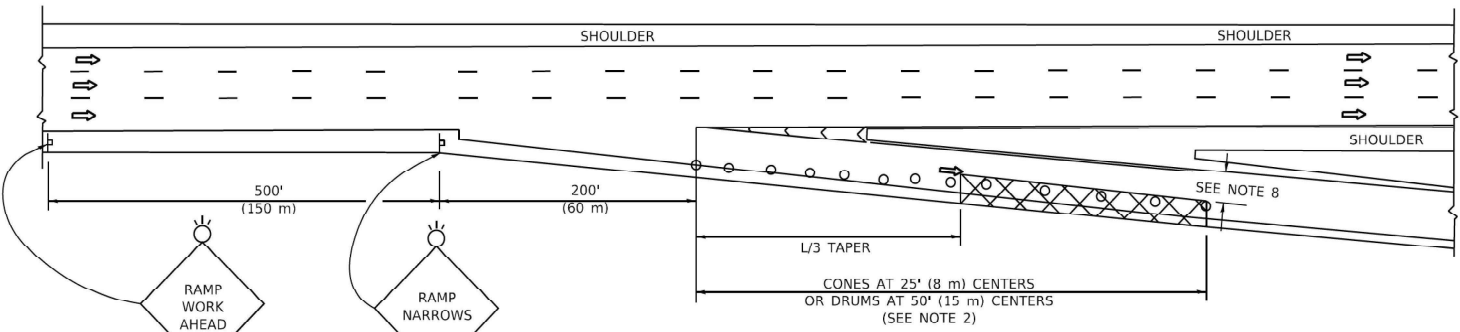
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X-HB(1&2)R-1)B24	LAKE	13	11
	TC-13			CONTRACT NO.62X39
		ILLINOIS	FFD. AID PROJECT	

PARTIAL RAMP CLOSURE DETAILS

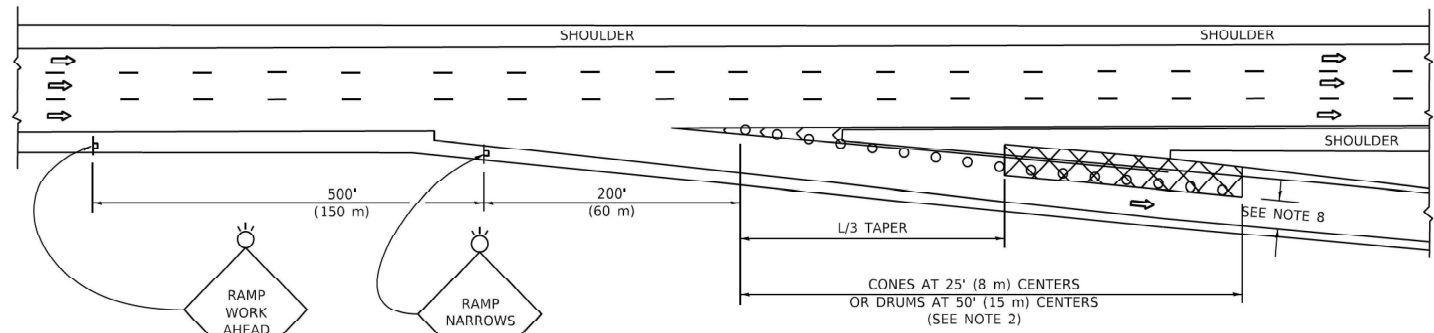
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



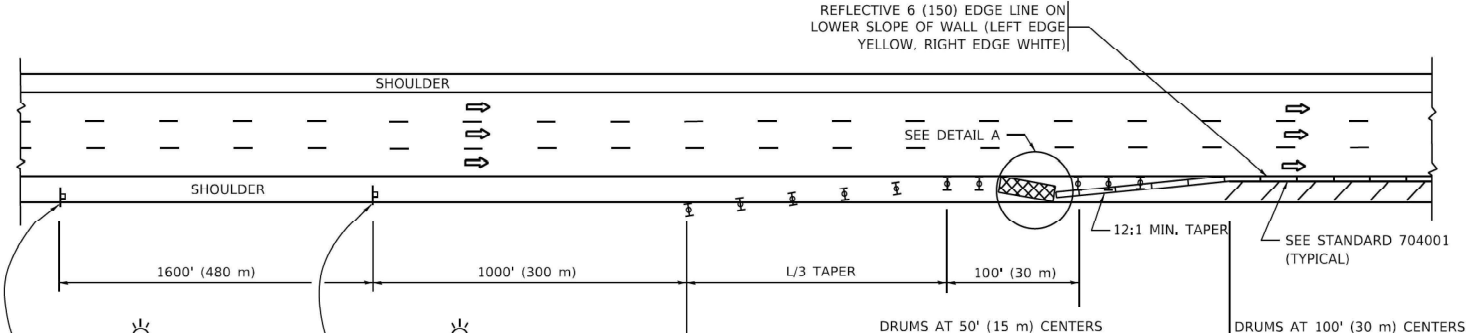
TYPICAL EXIT RAMP

SYMBOLS

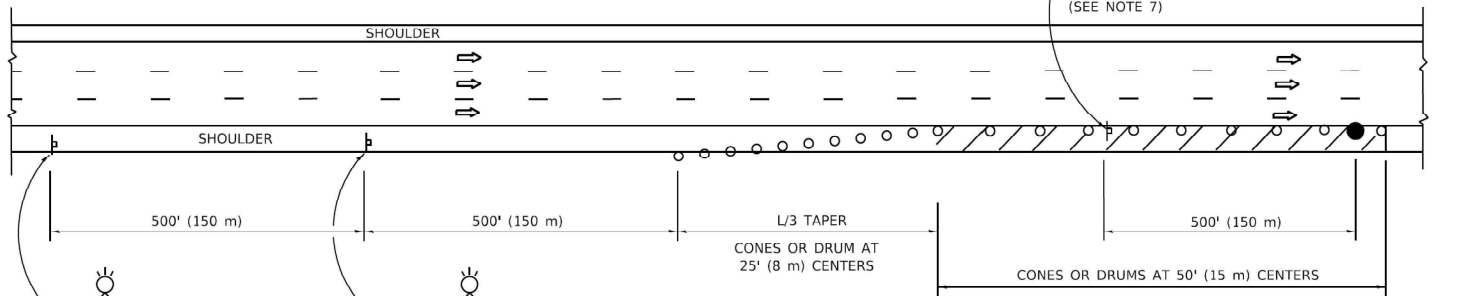
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES:

- THE "L" DISTANCE EQUALS:
SPEED LIMIT
45 mph (80 km/h)
OR GREATER:
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
FORMULAS
METRIC ENGLISH
L=0.65(W/S) L=(W/S)
- 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.



PERMANENT SHOULDER CLOSURE



TEMPORARY SHOULDER CLOSURE

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

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 AVTIVITY 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.

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DRAWN	-	D.W.S.		REVISED	-	M.D. 01-18
PLOT SCALE	= 100.0000' / in.	CHECKED	-	REVISED	-	M.D. 10-20
PLOT DATE	= 5/3/2024	DATE	-	REVISED	-	D.S. 05-24

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X-HR(1&2)R-1)B24	LAKE	13	12
	TC-17			CONTRACT NO.62X39
		ILLINOIS	FED. AID PROJECT	

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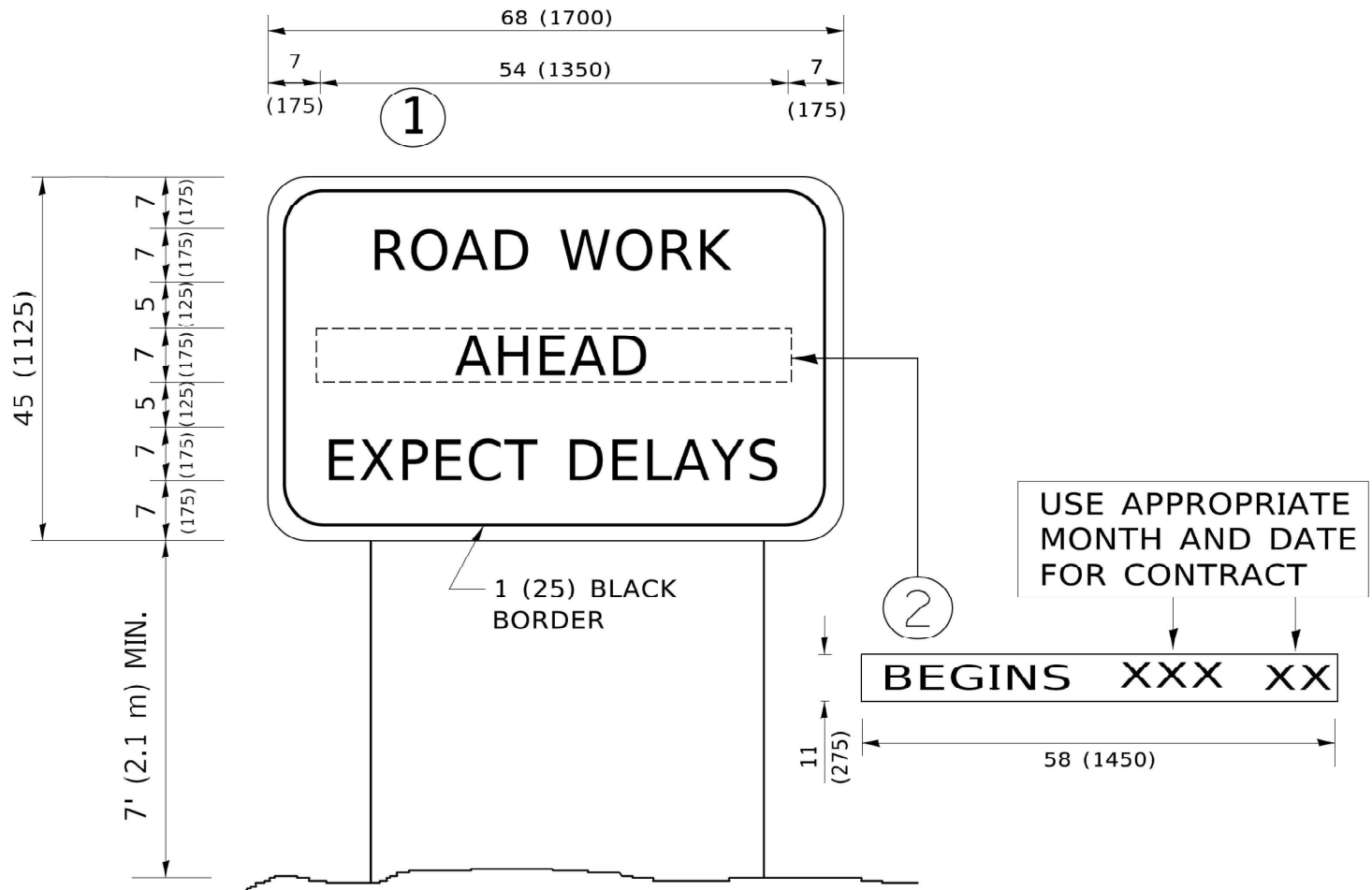
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	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(125X-HB(1&2)R-1)B24	LAKE	13	13
TC-22		CONTRACT NO.62X39		
ILLINOIS		FFD. AID PROJECT		



NOTES:

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 SIGN①WITH INSTALLED PANEL②ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL②SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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