

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	1
		ILLINOIS	CONTRACT NO. 62T83	

D-91-005-23



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF HARVARD

TRAFFIC DATA

EXISTING ADT
FROM STA. 16+00.49 TO STA. 87+36.9 = 4,900 (2021)
FROM STA. 87+36.9 TO STA. 91+46.9 = 3,350 (2021)

POSTED SPEED LIMIT

FROM STA. 26+85.49 TO STA. 91+46.9 = 55 MPH
FROM STA. 20+05.49 TO STA. 26.85.49 = 45 MPH
FROM STA. 16+00.49 TO STA. 20+05.49 = 35 MPH

DESIGN DESIGNATION

OTHER PRINCIPAL ARTERIAL

FAP ROUTE 0303 (IL. ROUTE 173)
HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.
SECTION FAP 0303 22 RS 4
PROJECT NHPP- PHRP (481)
SMART OVERLAY
MCHENRY COUNTY

PROJECT BEGINS
RESURFACING BEGINS
STA. 16+00

C-91-009-23

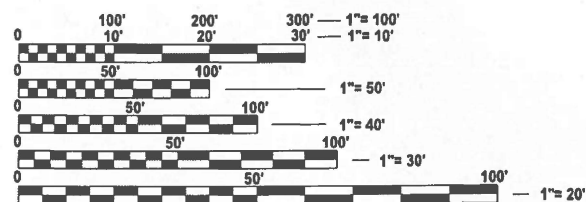
R(5E & 6E)

RESURFACING OMISSION
(BRIDGE)

STA. 75+85
TO STA. 76+76

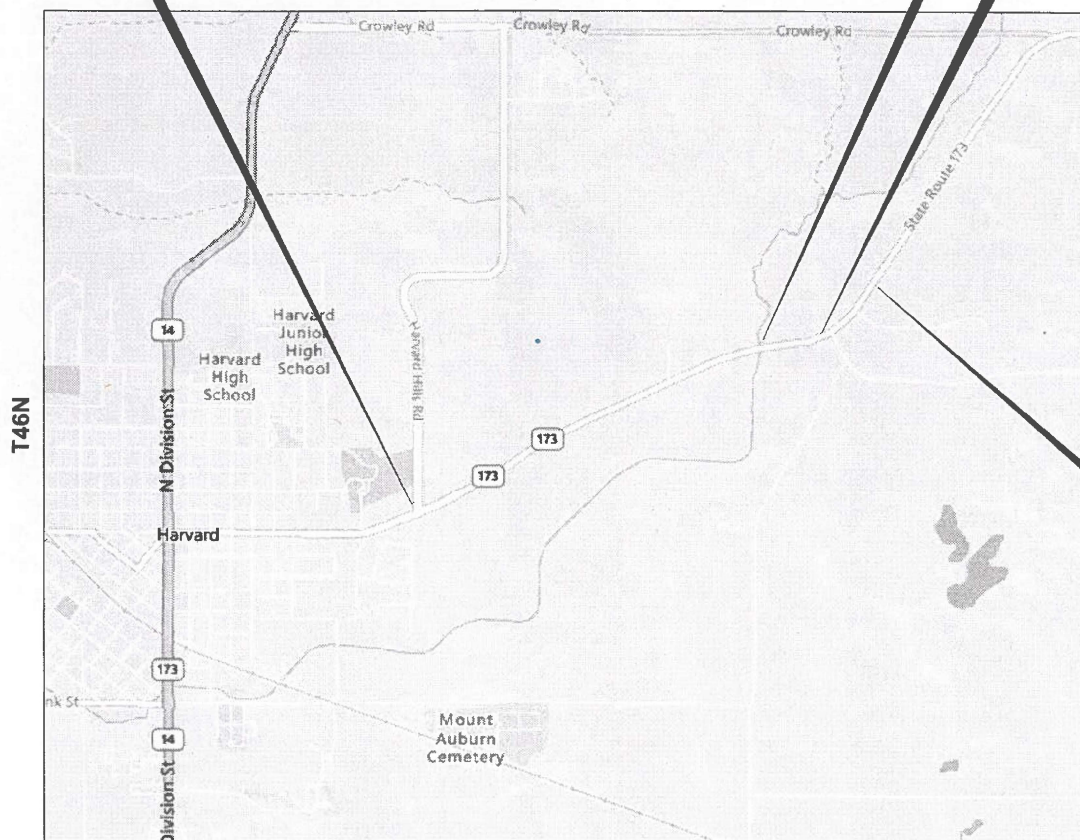
RESURFACING ENDS
STA. 82+97

PROJECT ENDS
STA. 94+67



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



CHEMUNG AND ALDEN TOWNSHIP

GROSS LENGTH = 7867 FT. = 1.49 MILE
NET LENGTH = 7776 FT. = 1.47 MILE

PROJECT ENGINEER: LUKASZ POCIECHA - (847) 705-4255

PROJECT MANAGER: VESLIN VELICHKOV

CONTRACT NO. 62T83

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 12 20 24
Jose Ruiz IR
REGIONAL ENGINEER
January 31 20 25
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
January 31 20 25
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	EXISTING AND PROPOSED TYPICAL SECTIONS
5-7	PROPOSED PAVEMENT MARKING PLANS
8	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT(BD-22)
9	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
10	RUMBLE STRIPS FOR CENTERLINE, NON FREEWAY (BD-55)
11	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
12	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
13	DISTRICT ONE TYPICAL PAVEMENT MARKING (TC-13)
14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
15	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
16	ARTERIAL ROAD INFORMATION SIGNING (TC-22)
17	CRACK AND JOINT SEALING DETAIL (PD-11)

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAYS ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-10	TRAFFIC CONTOL DEVICES
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

- 1 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 2 ALL MILLED SURFACES SHALL BE AT A UNIFORM CROSS SLOPE PER LANE AND FREE OF RIDGES BETWEEN PASSES. ANY DEVIATIONS SHALL BE CORRECTED AT NO COST TO THE DEPARTMENT.
- 3 BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 4 ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 5 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 6 THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 7 THE RESIDENT ENGINEER SHALL CONTACT BRANDY KENNEDY, AREA TRAFFIC FIELD ENGINEER, AT BRANDY.KENNEDY@ILLINOIS.GOV. A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 8 PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 9 THE "ARTERIAL ROAD INFORMATION SIGN (TC-22)" IS APPLICABLE ONLY TO ARTERIAL ROADS AND SHALL NOT BE APPLIED TO EXPRESSWAYS/TOLLWAYS.
- 10 OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.
- 11 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 SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 12 ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
- 13 WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/4 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 14 THE CONTRACTOR SHALL USE CARE IN REMOVING, EXCAVATING OR GRADING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
- 15 THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
BD-55	RUMBLE STRIPS FOR CENTERLINE, NON FREEWAY
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKING (TC-13)
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC-14)
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
TC-22	ARTERIAL ROAD INFORMATION SIGNING (TC-22)

MODEL: GenNote01 (Sheet)
 FILE NAME: c:\pw_work\work\illinois.gov_merfj.jose@illinois.gov\100523-shi-gennote.dgn

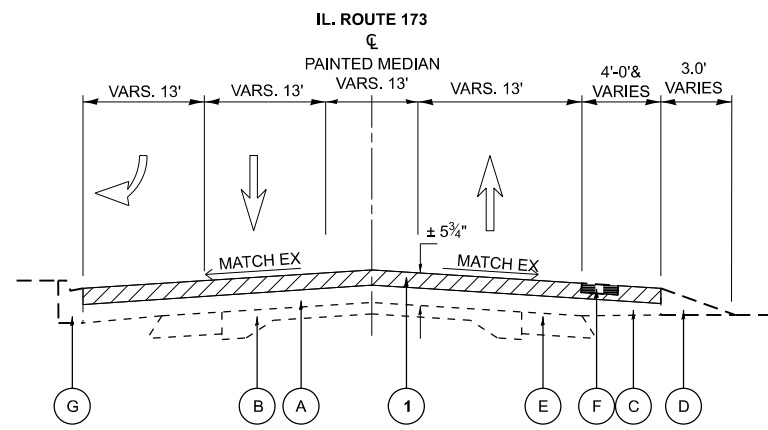
	USER NAME = Merin,Jose	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES IL. ROUTE 173 (HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.)				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				FAP 0303 22 RS 4	MCHENRY	17	2			
		CHECKED -	REVISED -				CONTRACT NO. 62T83						
	PLOT DATE = 12/11/2024	DATE -	REVISED -			SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT

LEGEND - EXISTING:

- (A) EXISTING HMA PAVEMENT AFTER MILLING 4 1/4"
- (B) EXISTING P.C.C. PAVEMENT (VAR. THICKNESS)
- (C) EXISTING HMA SHOULDER
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING BIT. BASE COURSE (AGGREGATE SUBGRADE)
- (F) EXISTING SHOULDER RUMBLE STRIPS, 8"
- (G) EXISTING CURB AND GUTTER

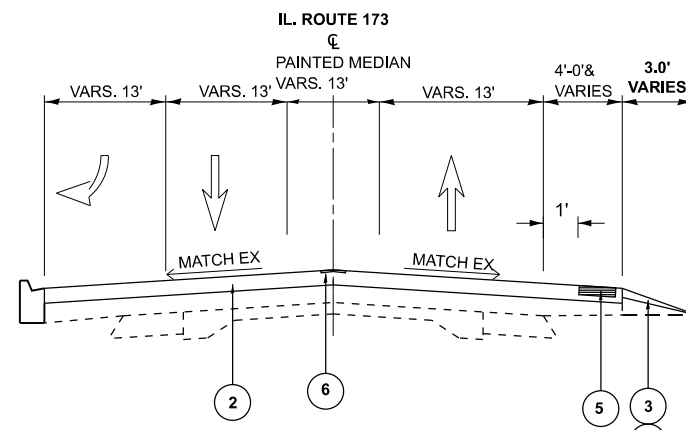
LEGEND - PROPOSED

- (1) PROPOSED HMA SURFACE REMOVAL, 1 1/2"
- (2) PROPOSED HMA SURFACE COURSE, MIX "D", IL-9.5, N70, 1 1/2"
- (3) PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- (4) PROPOSED GRADING AND SHAPING SHOULDERS
- (5) PROPOSED SHOULDER RUMBLE STRIPS, 16"
- (6) PROPOSED CENTERLINE RUMBLE STRIPS, 16"



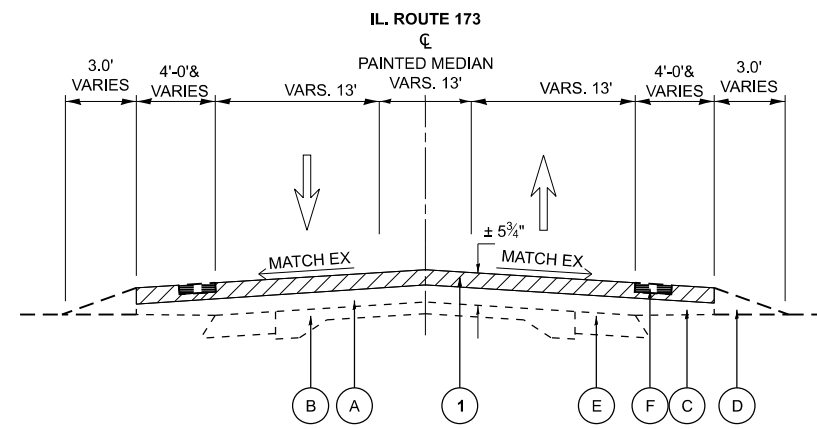
EXISTING TYPICAL SECTION

STA 16+00 - STA 19+63



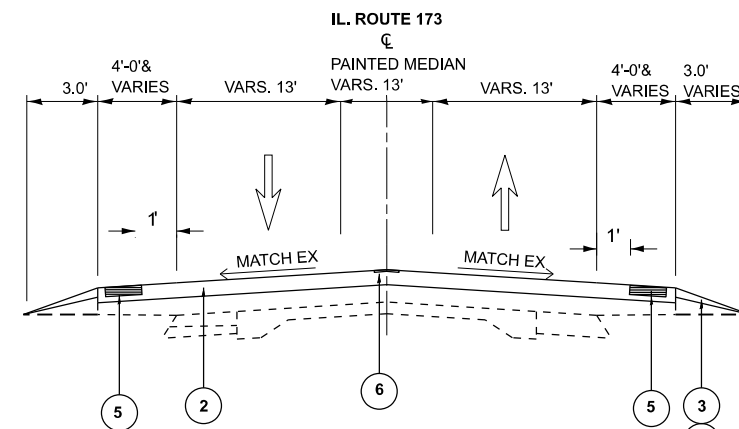
PROPOSED TYPICAL SECTION

STA 16+00 - STA 19+63



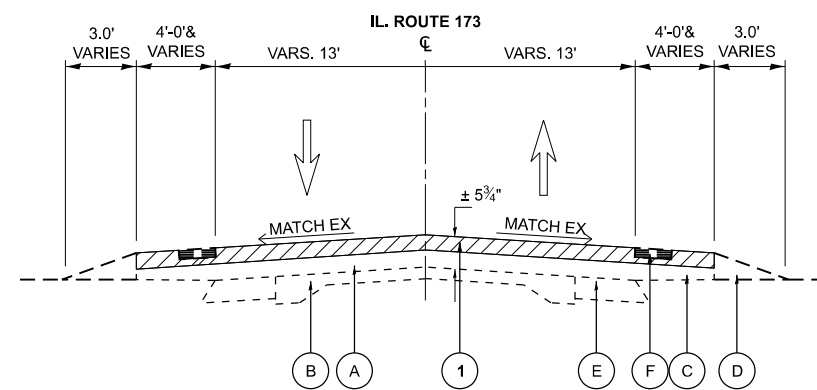
EXISTING TYPICAL SECTION

STA 19+63 - STA 23+86



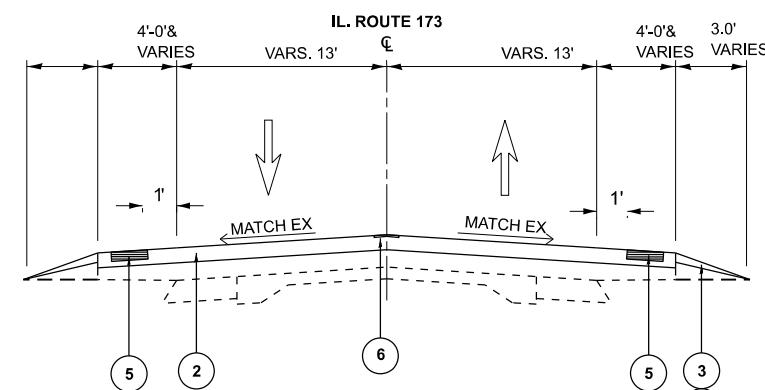
PROPOSED TYPICAL SECTION

STA 19+63 - STA 23+86



EXISTING TYPICAL SECTION

STA 23+86 - STA 82+97



PROPOSED TYPICAL SECTION

STA 23+86 - STA 82+97

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		AIR VOIDS @ Ndes	QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE			
HMA PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1 1/2"		4% AT 70 GYR.	QCP
PATCHING			
CLASS D PATCHES (HMA BINDER IL-19 MM; 9")		4% AT 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP) PAY FOR PERFORMANCE (PFP).			

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

NOTE 2: 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

NOTE 3: THE CONTRACTOR SHALL MILL BEFORE PATCHING

NOTE 4: THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE MILLED SURFACE

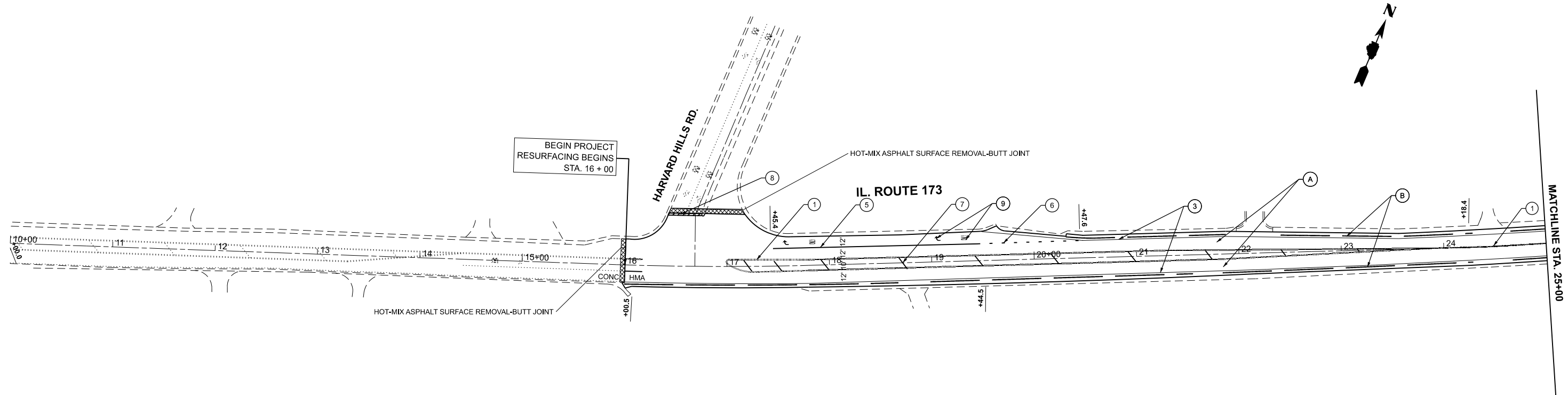
MODEL: TypSec01 [Sheet]
FILE NAME: c:\p\work\project\illinois.gov_merj.jose@illinois.gov\100523-sh-typical.dgn

USER NAME = Merin,Jose	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

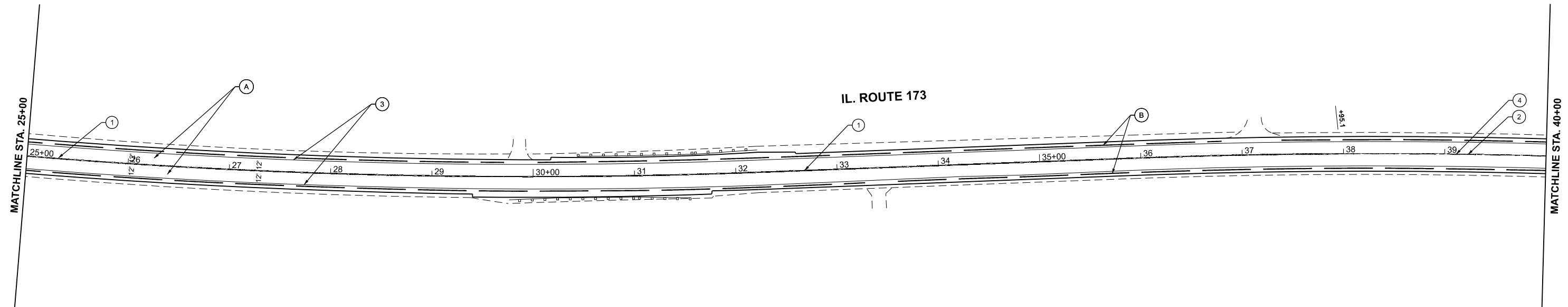
TYPICAL CROSS SECTIONS			
IL.ROUTE 173 (HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.)			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62T83	



THERMOPLASTIC PAVEMENT MARKING LEGEND

① 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑧ 24" SOLID WHITE STOP BAR (TYP.)
② 4" SINGLE SOLID YELLOW LINE (TYP.)	⑨ LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
③ 4" SINGLE SOLID WHITE LINE (TYP.)	A PROP. HMA SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2
④ 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)	PROP. HMA SURFACE REMOVAL 1 1/2
⑤ 6" SINGLE SOLID WHITE TURN LANE (TYP.)	PROP. CLASS D PATCHES, 9"
⑥ 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)	B PROP. SHOULDER RUMBLE STRIPS 16"
⑦ 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)	



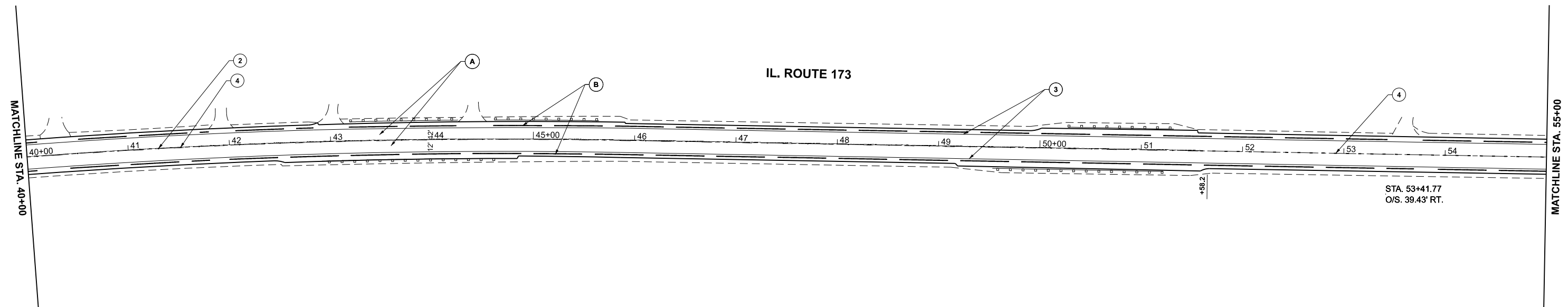
MODEL: IL 173 - RdwyPlan01 [Sheet]
 FILE NAME: c:\p\work\pav\il173\il173_030322_rs_4.dgn

USER NAME = Merin,Jose	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

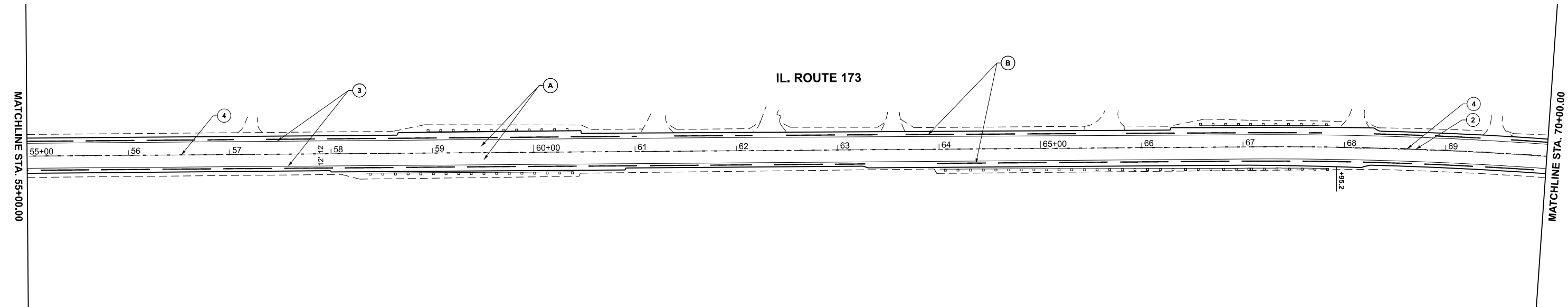
ROADWAY PLAN			
IL. ROUTE 173 (HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.)			
SCALE: 1"=50'	SHEET 1	OF 3 SHEETS	STA. 10+00.00 TO STA. 40+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	5
CONTRACT NO. 62T83				
ILLINOIS FED. AID PROJECT				



THERMOPLASTIC PAVEMENT MARKING LEGEND

① 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑧ 24" SOLID WHITE STOP BAR (TYP.)
② 4" SINGLE SOLID YELLOW LINE (TYP.)	⑨ LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
③ 4" SINGLE SOLID WHITE LINE (TYP.)	Ⓐ PROP. HMA SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2
④ 4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)	Ⓑ PROP. HMA SURFACE REMOVAL 1 1/2
⑤ 6" SINGLE SOLID WHITE TURN LANE (TYP.)	PROP. CLASS D PATCHES, 9"
⑥ 6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)	Ⓑ PROP. SHOULDER RUMBLE STRIPS 16"
⑦ 12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)	



MODEL: IL 173 - RdwyPlan03 (Sheet)
 FILE NAME: c:\pwworking\illinois.gov\merrif.jose@illinois.gov\merrif.jose\100523-shr-plan.dgn

USER NAME = Merin,Jose	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

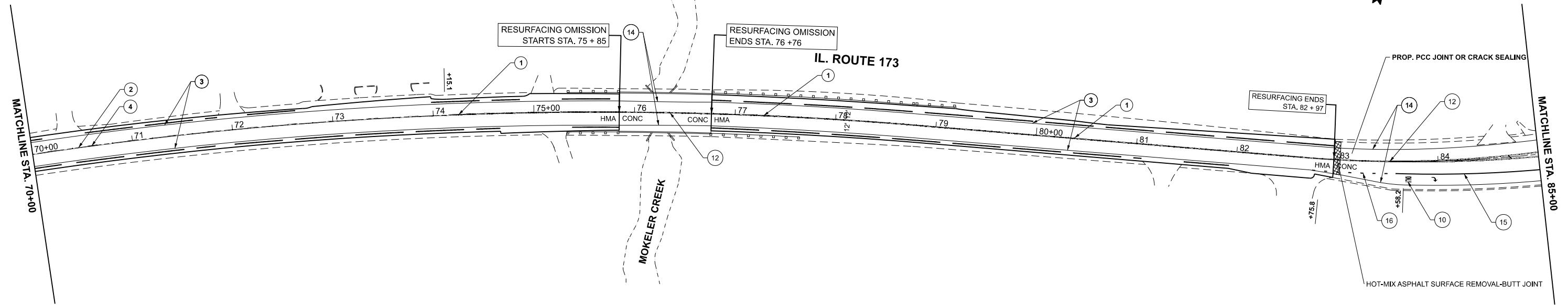
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN

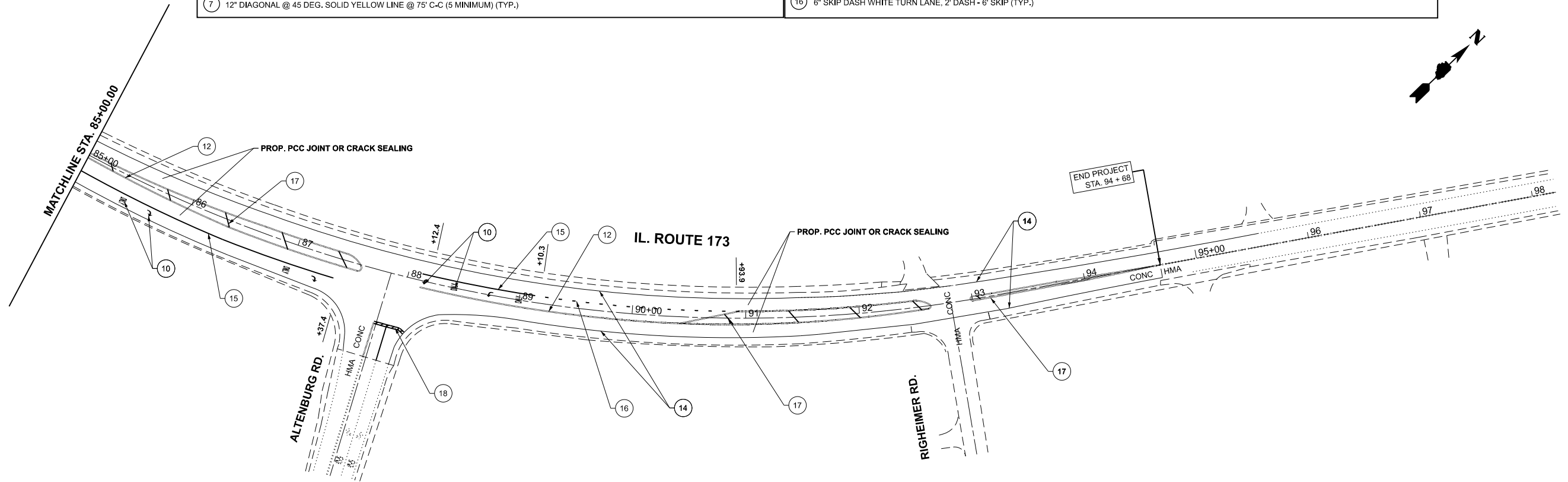
IL. ROUTE 173 (HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.)

SCALE: 1"=50'	SHEET 2 OF 3 SHEETS	STA. 40+00.00 TO STA. 70+00.00
---------------	---------------------	--------------------------------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	6
CONTRACT NO. 62T83				
ILLINOIS FED. AID PROJECT				



THERMOPLASTIC PAVEMENT MARKING LEGEND			MODIFIED URETHANE PAVEMENT MARKING LEGEND		
①	4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.)	⑧	24" SOLID WHITE STOP BAR (TYP.)	⑩	LETTERS AND SYMBOLS, SOLID WHITE (TYP.)
②	4" SINGLE SOLID YELLOW LINE (TYP.)	⑨	LETTERS AND SYMBOLS, SOLID WHITE (TYP.)	⑪	4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)
③	4" SINGLE SOLID WHITE LINE (TYP.)	A	PROP. HMA SURFACE COURSE, MIX "D", IL-9.5, N70 1 1/2	⑫	4" DOUBLE SOLID YELLOW LINE, 2 @ 11" C-C (TYP.)
④	4" SKIP DASH WHITE LINE, 10' DASH - 30' SKIP (TYP.)	B	PROP. HMA SURFACE REMOVAL 1 1/2	⑬	4" SINGLE SOLID YELLOW LINE (TYP.)
⑤	6" SINGLE SOLID WHITE TURN LANE (TYP.)		PROP. CLASS D PATCHES, 9"	⑭	4" SINGLE SOLID WHITE LINE (TYP.)
⑥	6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)	B	PROP. SHOULDER RUMBLE STRIPS 16"	⑮	6" SINGLE SOLID WHITE TURN LANE (TYP.)
⑦	12" DIAGONAL @ 45 DEG. SOLID YELLOW LINE @ 75' C-C (5 MINIMUM) (TYP.)			⑯	6" SKIP DASH WHITE TURN LANE, 2' DASH - 6' SKIP (TYP.)



MODEL: IL 173 - RdwyPlan05 (Sheet)
 FILE NAME: c:\pwworking\illinois.gov_merfj\issc\illinois.gov_100523-shr-plan.dgn

USER NAME = Merin,Jose	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 1/15/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN			
IL. ROUTE 173 (HARVARD HILLS RD. TO SOUTHWEST OF RIGHEIMER RD.)			
SCALE: 1"=50'	SHEET 3	OF 3 SHEETS	STA. 70+00.00 TO STA. 100+00.00

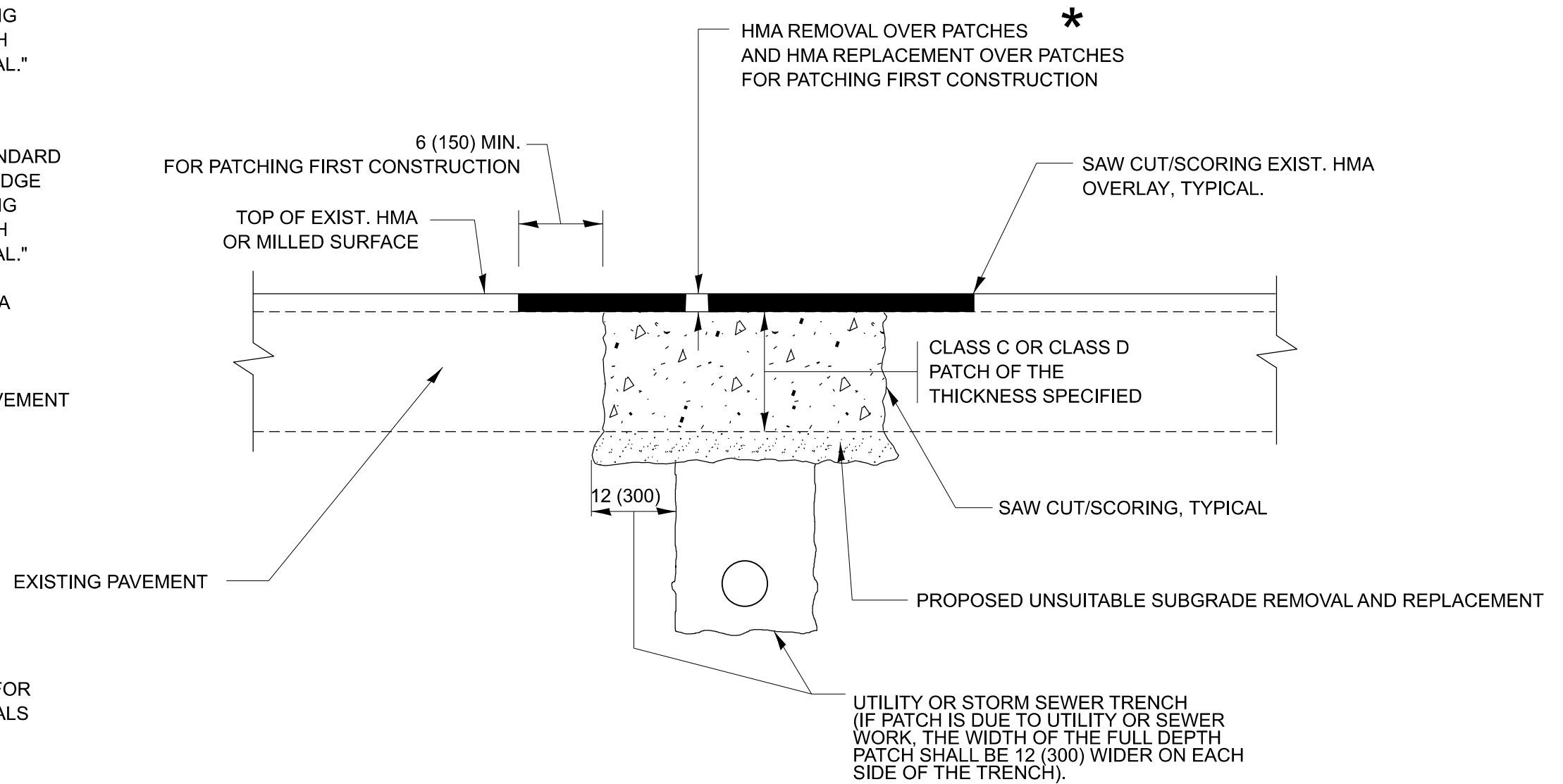
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	7
CONTRACT NO. 62T83				
ILLINOIS FED. AID PROJECT				

METHOD OF MEASUREMENT

REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."

BASIS OF PAYMENT

1. REFER TO SECTION 442 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL."
2. SAW CUT/SCORING OF EXISTING HMA OVERLAY IS INCLUDED IN THE COST OF PAVEMENT PATCHING.
3. SAW CUT/SCORING OF EXISTING PAVEMENT IS INCLUDED IN THE COST OF PAVEMENT PATCHING.



SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 ½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

MODEL: BD22 (Sheet) FILE NAME: c:\p\work\pavement\illinois.gov_merfj.jose@illinois.gov\100523-shh-DistSigs.dgn

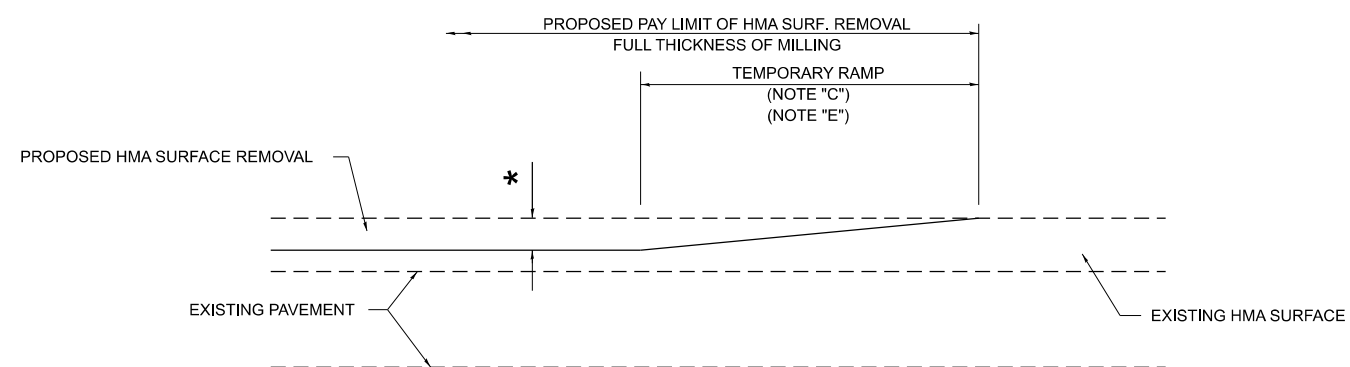
USER NAME = Merin.Jose	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07
	DRAWN -	REVISED - R. BORO 09-04-07
	CHECKED -	REVISED - K. ENG 10-27-08
PLOT DATE = 12/11/2024	DATE - 10-25-94	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

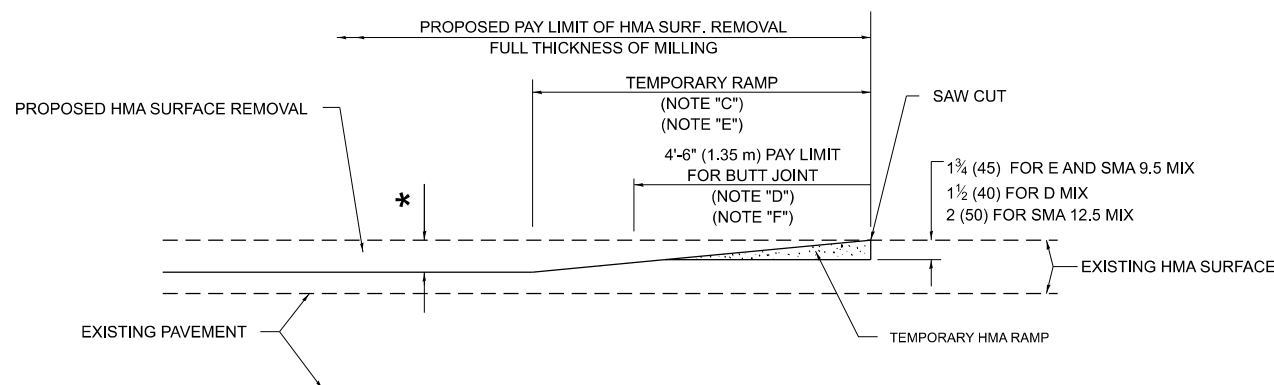
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	8
BD400-04 (BD-22)		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

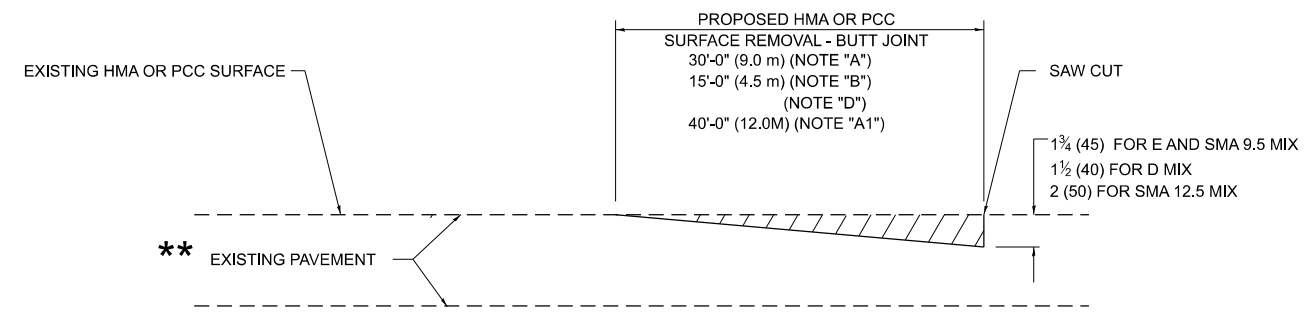


HMA CONSTRUCTED TEMPORARY RAMP

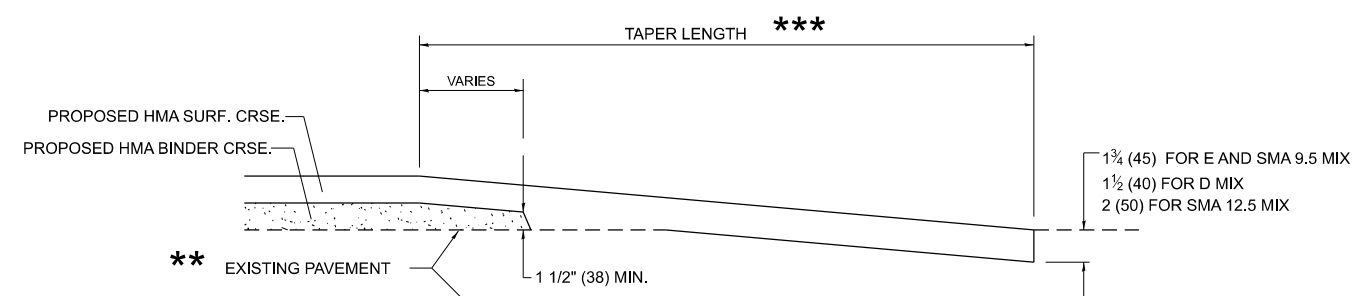
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

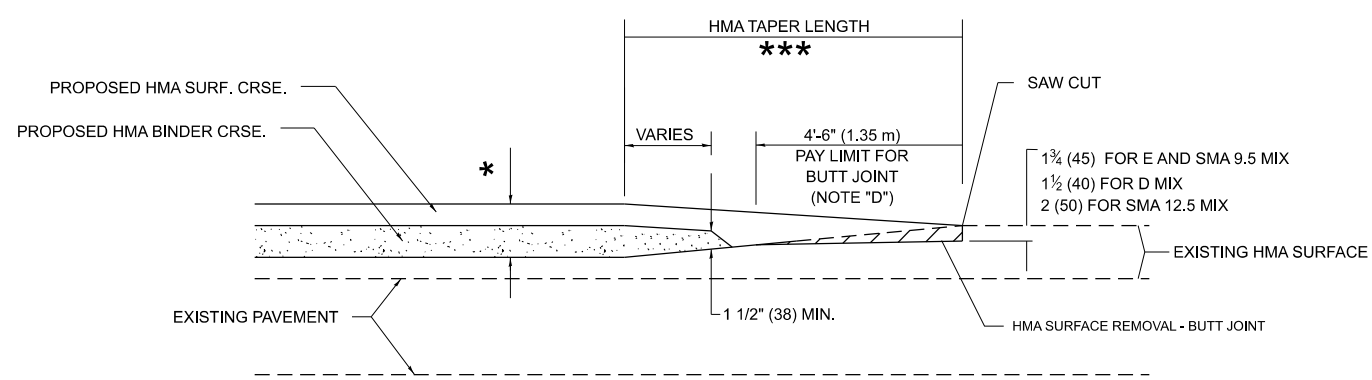
GENERAL NOTES

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

- 1. THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT JOINT.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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

MODEL: BD32 (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_merfj.jase@illinois.gov\00733011D100523-sh+DstSds.dgn

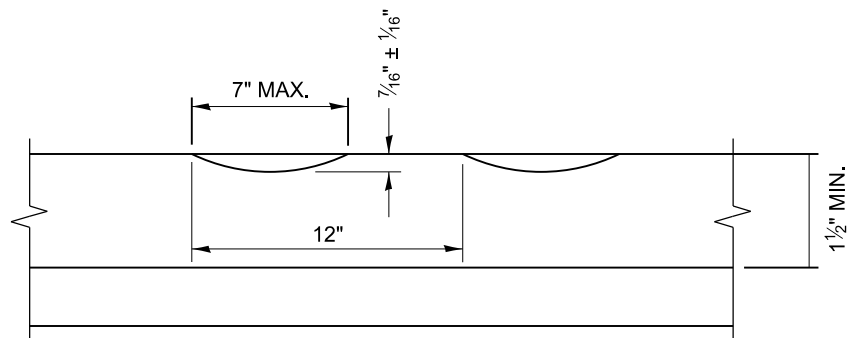
USER NAME = Merin,Jose	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 12/2/2024	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

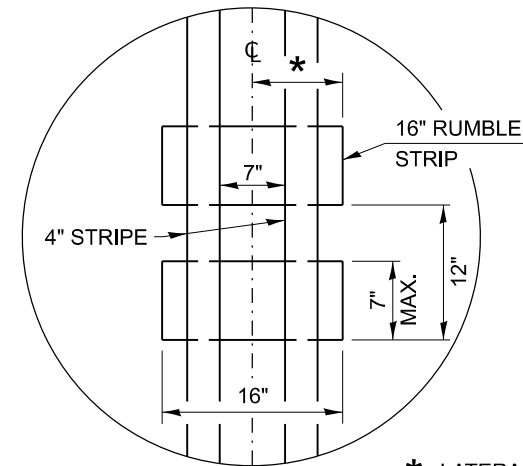
BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	9
BD400-05 BD-32		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				



SECTION A-A



* LATERAL DEVIATION SHALL NOT EXCEED ONE INCH IN 100 FEET.

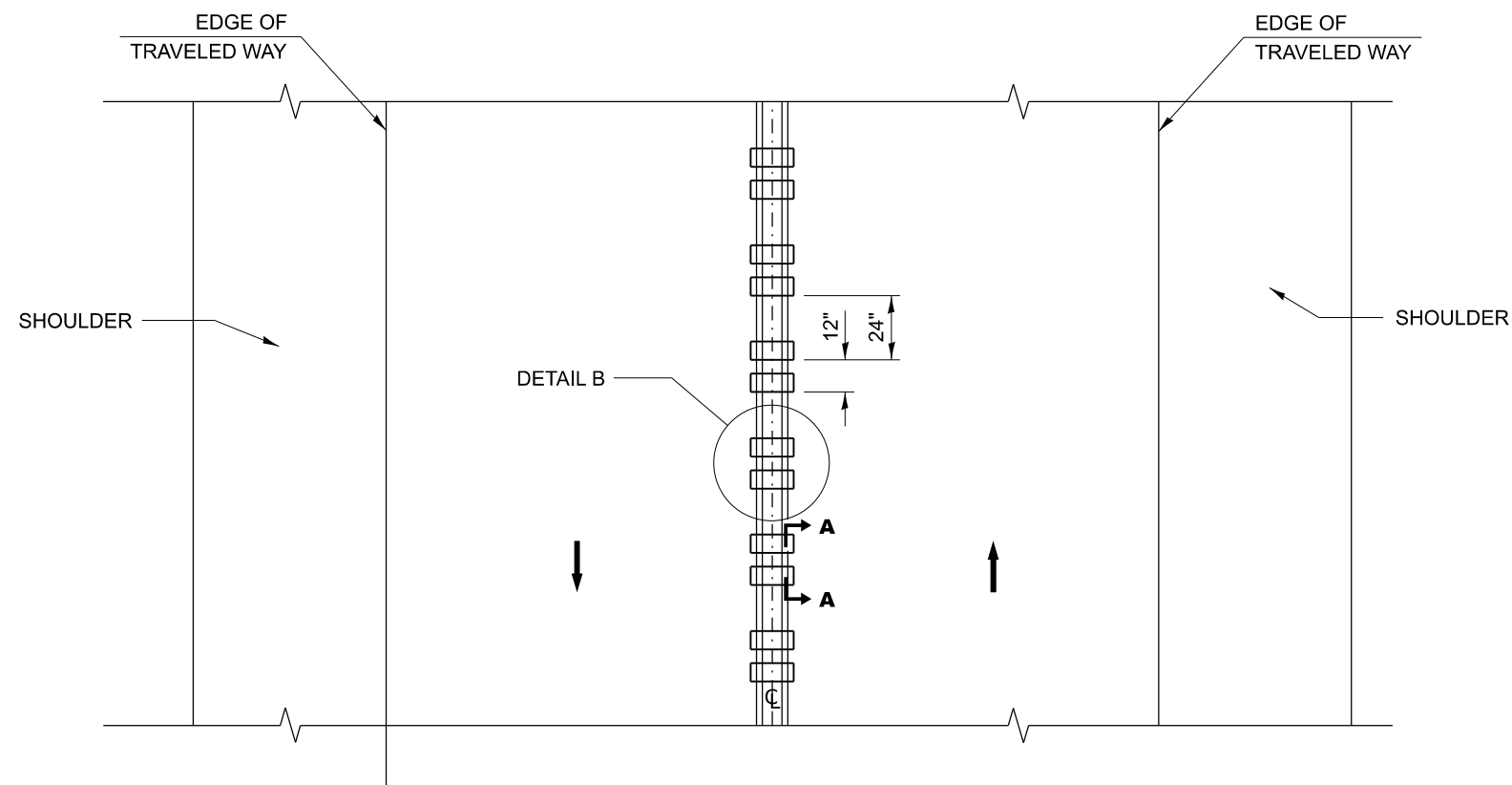
DETAIL B

GENERAL NOTES

1. CENTERLINE RUMBLE STRIPS SHALL BE CONSTRUCTED ACCORDING TO SECTION 642 ALONG THE CENTERLINE OF PAVEMENT.
2. SEE STANDARD 780001 FOR OTHER STRIPING LAYOUTS.
3. RUMBLE STRIPS SHALL NOT BE PLACED ON BRIDGES.
4. ALL RUMBLE STRIPS SHALL BE MILLED.
5. CENTERLINE RUMBLE STRIPS SHALL BE CONTINUOUS THROUGH CONNECTIONS OF SIDEROADS WITH NO LEFT TURN LANES.
6. DISCONTINUE CENTERLINE RUMBLE STRIPS THROUGH THE LIMITS OF ALL LEFT TURN LANES, INCLUDING ANY LANE TAPER SECTIONS.
7. AFTER RUMBLE STRIPS ARE INSTALLED, THE PAVEMENT SURFACE SHALL BE SWEEPED CLEAN PRIOR TO THE PLACEMENT OF THE NEW PAVEMENT MARKINGS.
8. WHERE USED, ADJUST SPACING OF RAISED REFLECTIVE PAVEMENT MARKERS TO FALL IN WIDER GAP BETWEEN RUMBLE STRIPS.

BASIS OF PAYMENT

1. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.
2. HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.



TWO-WAY ROAD

MODEL: BD-55 (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_merfj.jose\1100523-shr-DistSigs.dgn

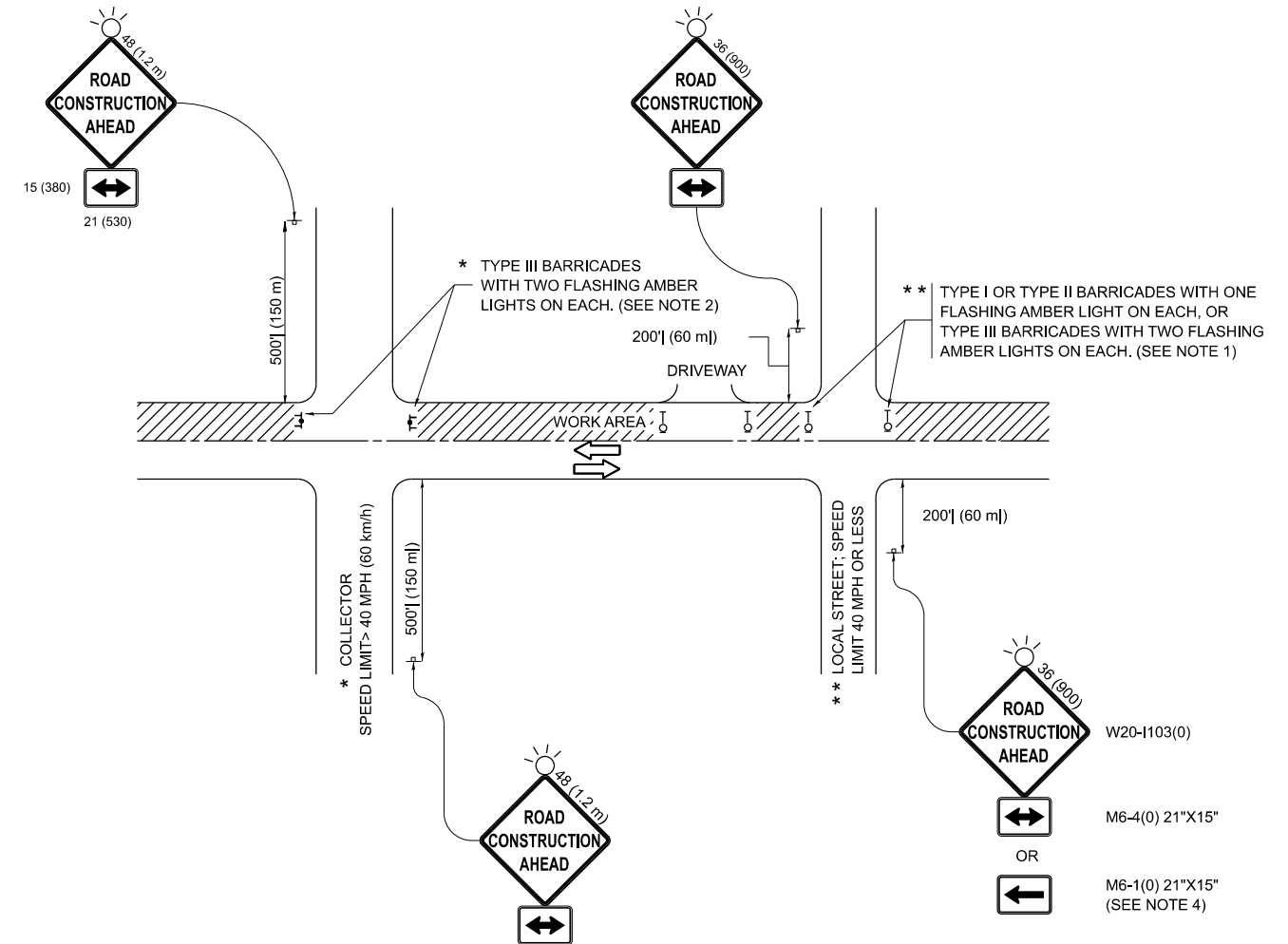
USER NAME = Merin,Jose	DESIGNED - R. BORO	REVISED - K. SMITH 11-18-22
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/11/2024	DATE - 08-06-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	10
BD 55			CONTRACT NO. 62T83	
ILLINOIS FED. AID PROJECT				



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.
2. 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).
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.

MODEL: TC-10 (Sheet)
FILE NAME: c:\p\work\project\illinois.gov\merin.jose\1100523-sh+DistSigs.dgn

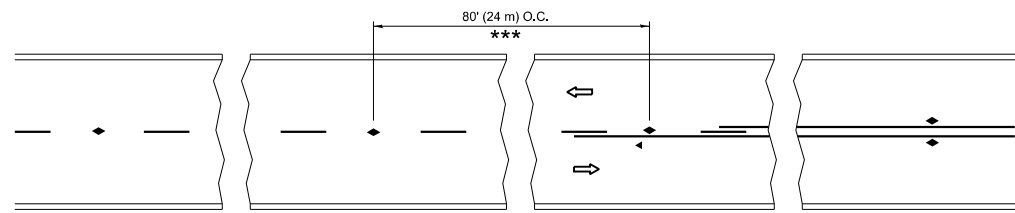
USER NAME = Merin,Jose	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 12/11/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

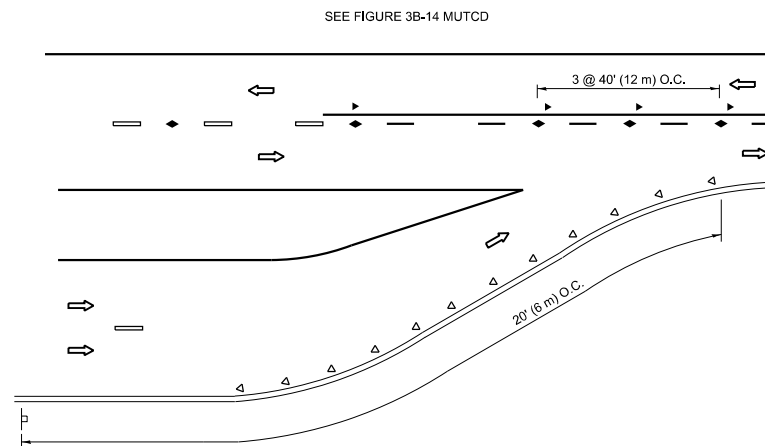
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	11
TC-10			CONTRACT NO. 62T83	
		ILLINOIS	FED. AID PROJECT	

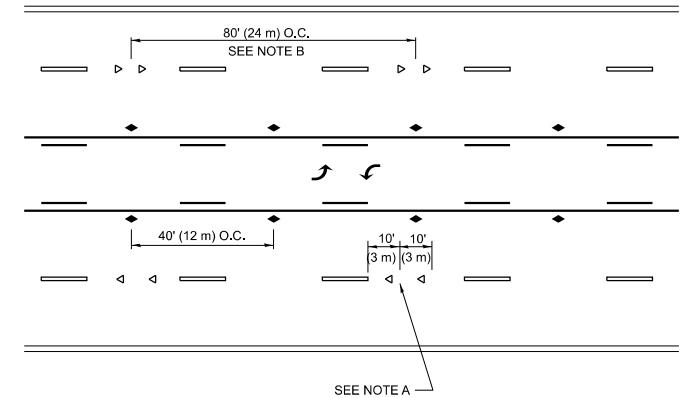


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

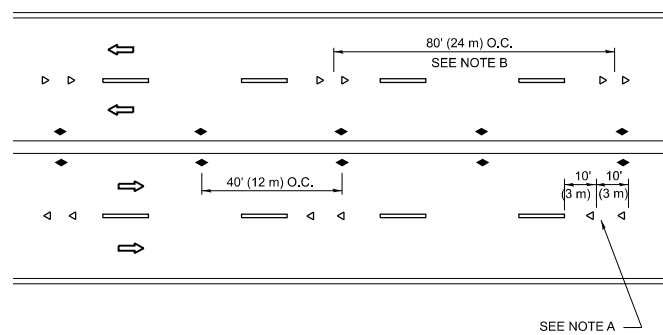
TWO-LANE/TWO-WAY



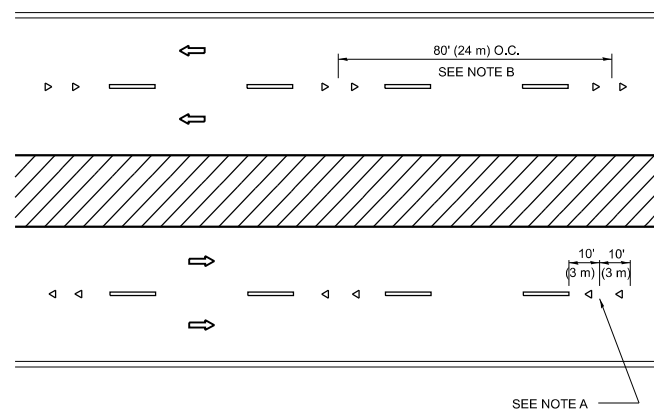
LANE REDUCTION TRANSITION



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

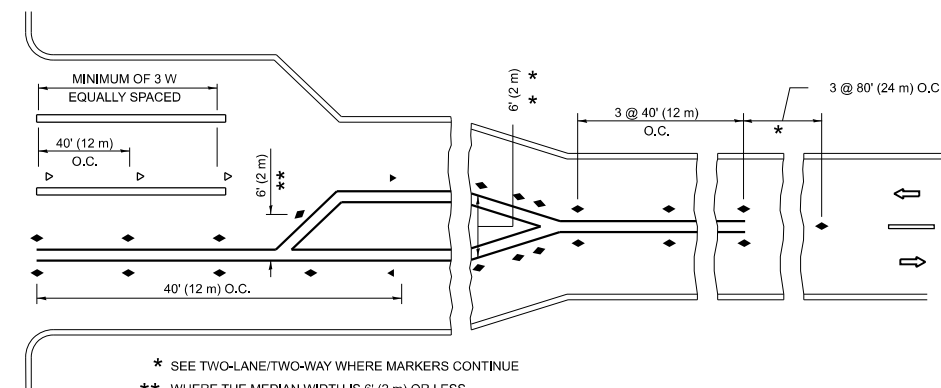
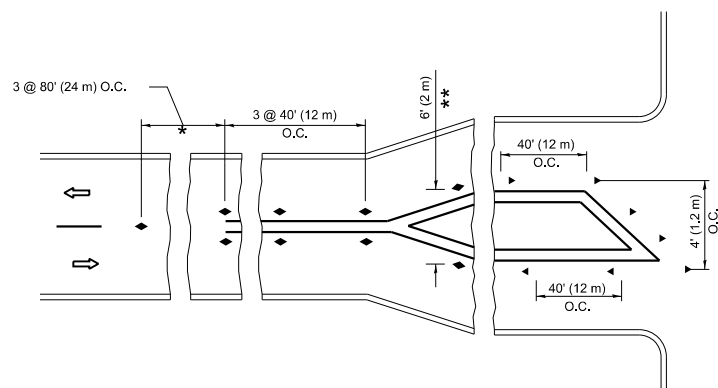
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.
2. 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

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

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

MODEL: TC11 (Sheet) FILE NAME: c:\p\work\pav\illinois.gov_merfj.jose@illinois.gov\08733011D100523-shh-DistSigs.dgn

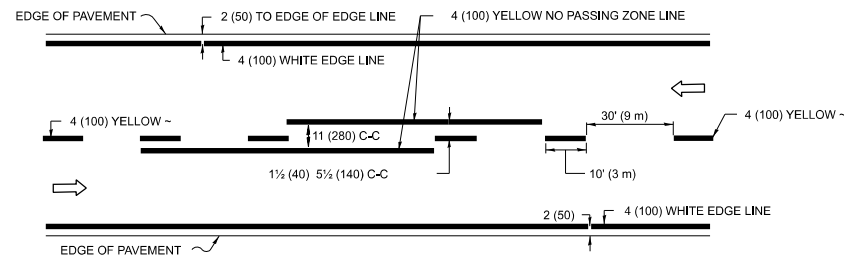
USER NAME = Merin,Jose	DESIGNED -	REVISED - T. RAMMACHER 03-12-99
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
	CHECKED -	REVISED - C. JUCIUS 09-09-09
PLOT DATE = 12/11/2024	DATE -	REVISED - C. JUCIUS 07-01-13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

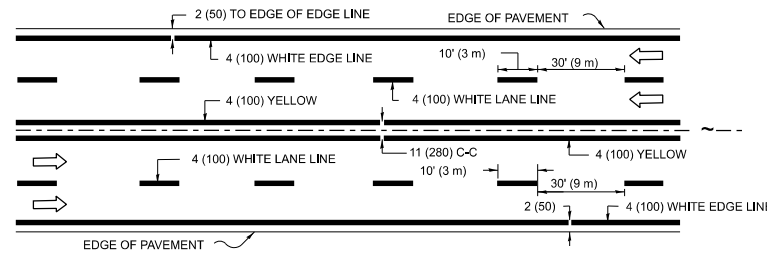
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

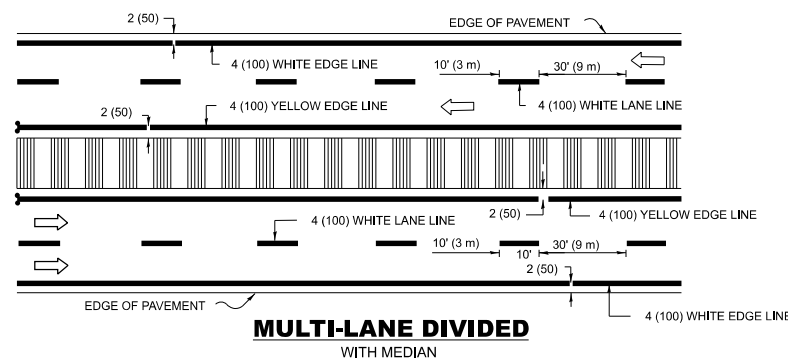
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	12
TC-11		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

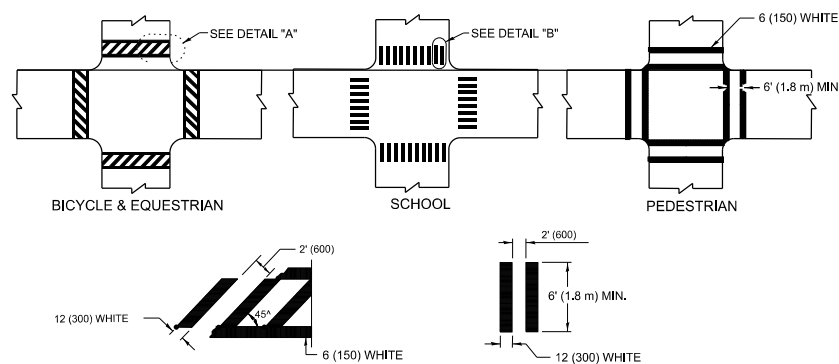


MULTI-LANE UNDIVIDED



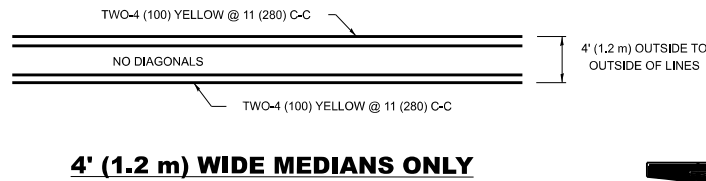
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

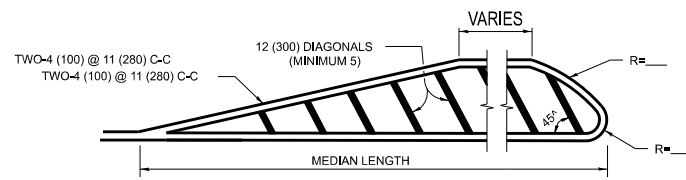


DETAIL "A" TYPICAL CROSSWALK MARKING

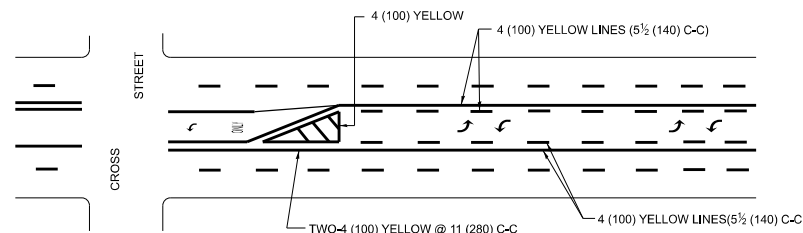
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



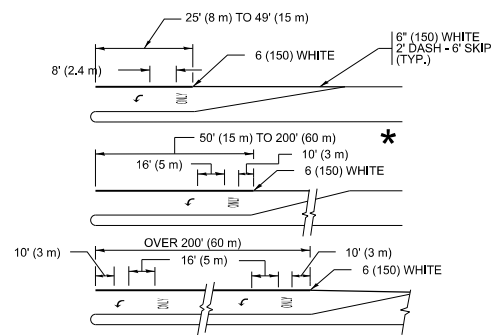
4' (1.2 m) WIDE MEDIANS ONLY



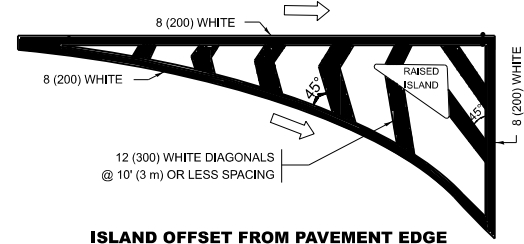
MEDIANS OVER 4' (1.2 m) WIDE



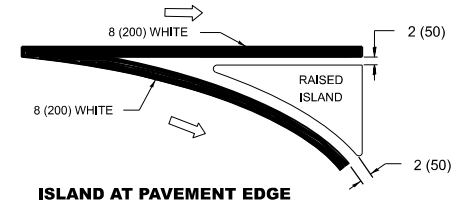
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



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



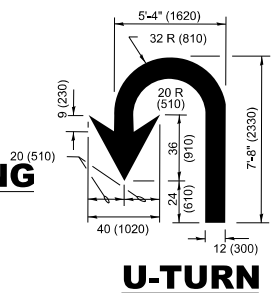
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING

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

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.

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	5 1/2 (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; 5 1/2 (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' (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" IS 6' (1.8 m) LETTERS: 15 (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.

MODEL: TC13 (Sheet)
FILE NAME: c:\p\work\pavement\illinois.gov\0873301\100523-shh-DistSigs.dgn

USER NAME = Merin,Jose	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 12/11/2024	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 1 SHEETS	STA. TO STA.	

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	13
TC-13		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

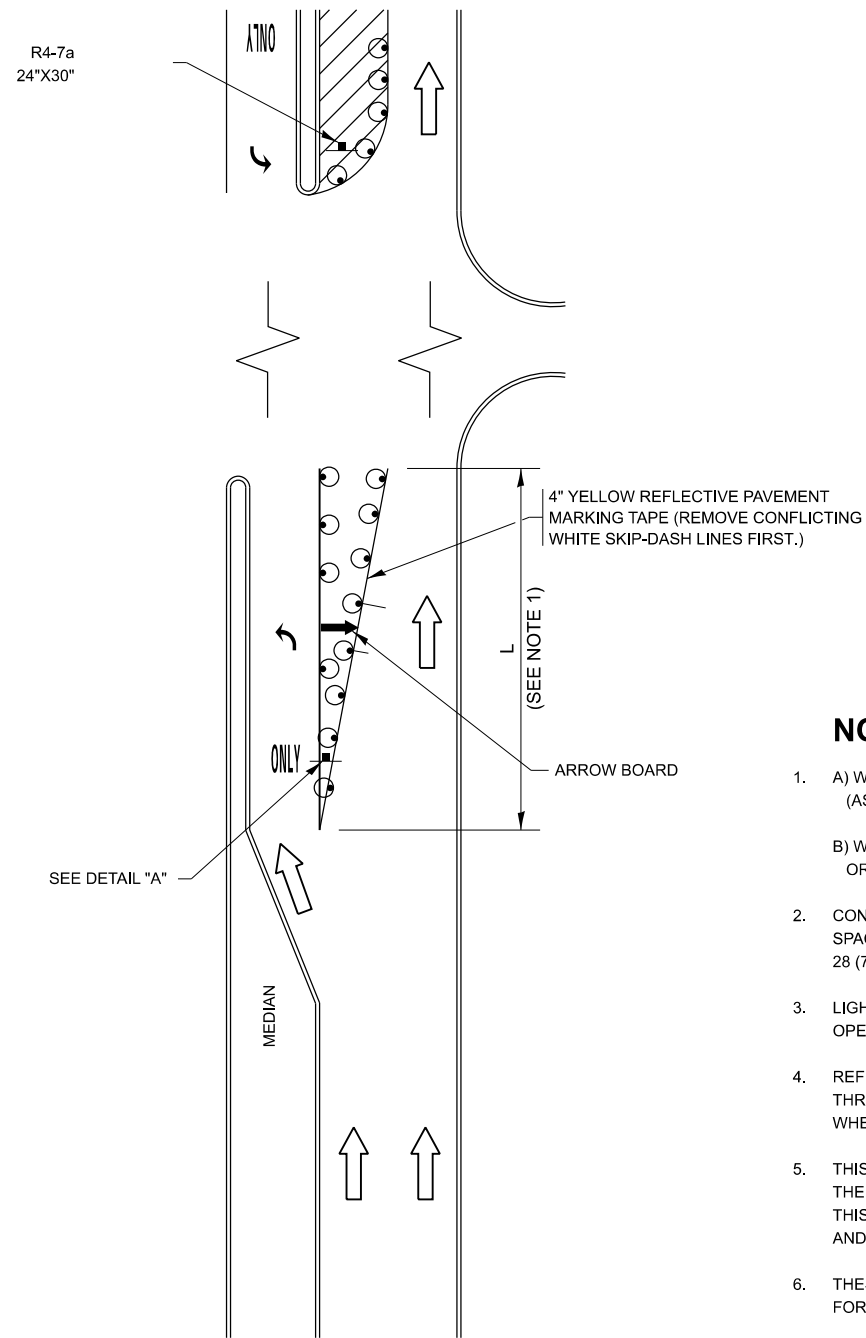


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

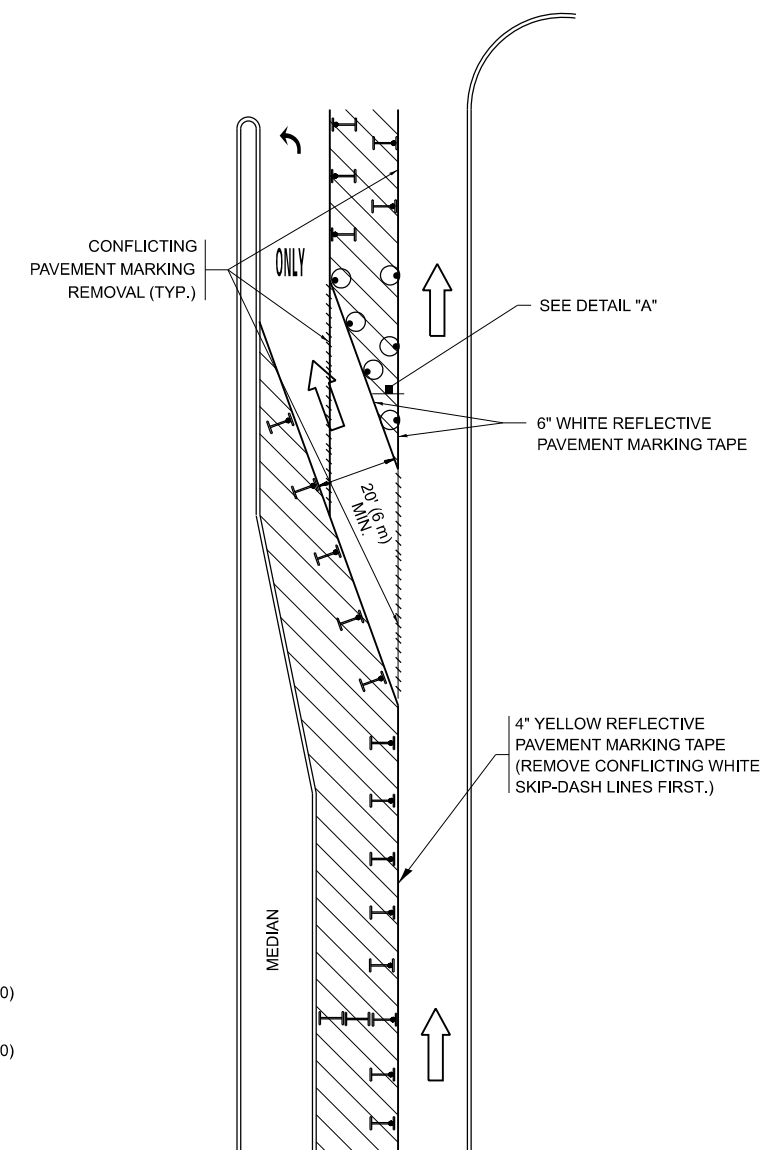


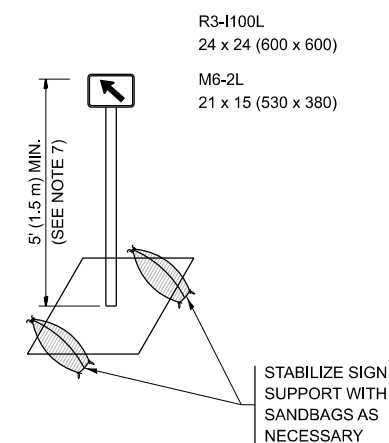
FIGURE 2

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 \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.
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" R3-100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. 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 REQUIREMENTS.
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.



DETAIL A

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

MODEL: TC-14 (Sheet)
FILE NAME: c:\p\work\project\illinois.gov_merinjose\0873301\100523-sh+Dst\Sigs.dgn

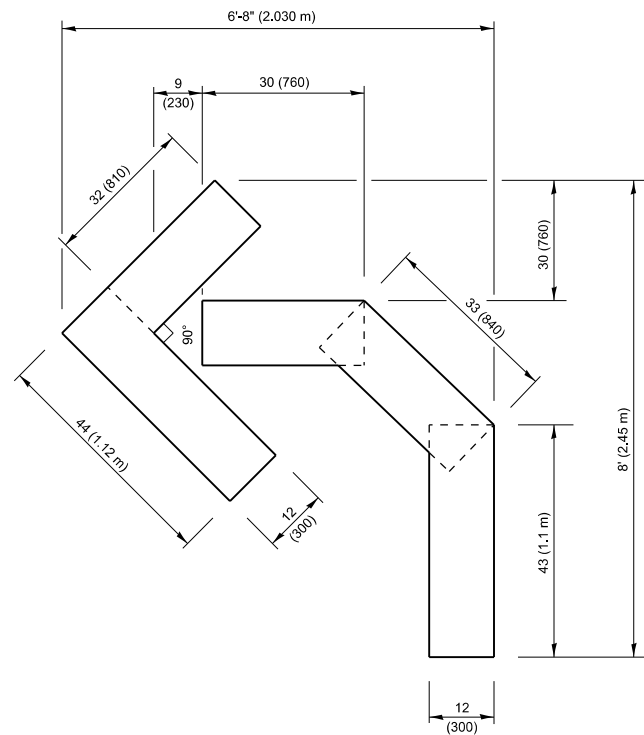
USER NAME = Merin,Jose	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 12/11/2024	DATE - T. RAMMACHER 01-06-00	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

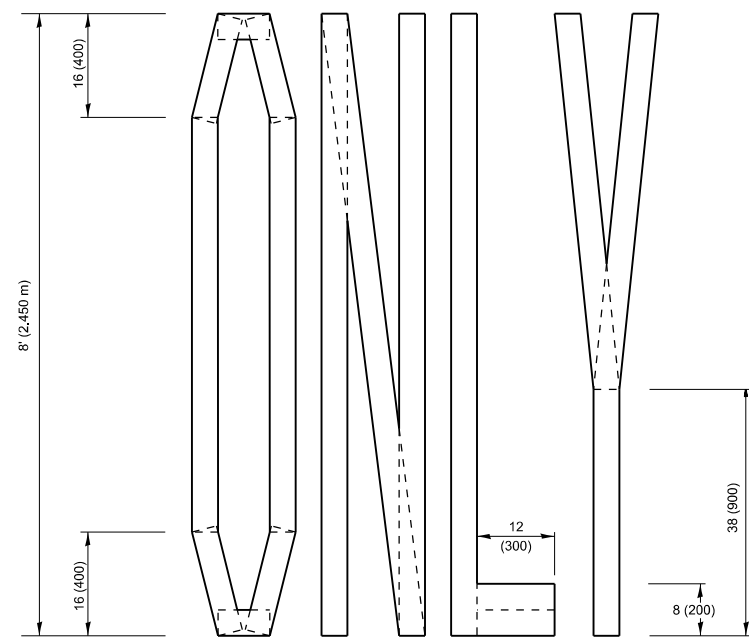
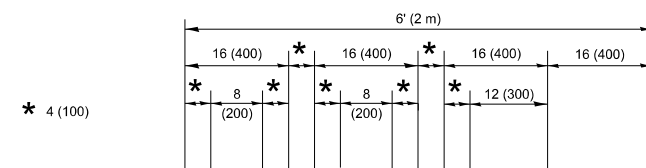
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	14
TC-14		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				



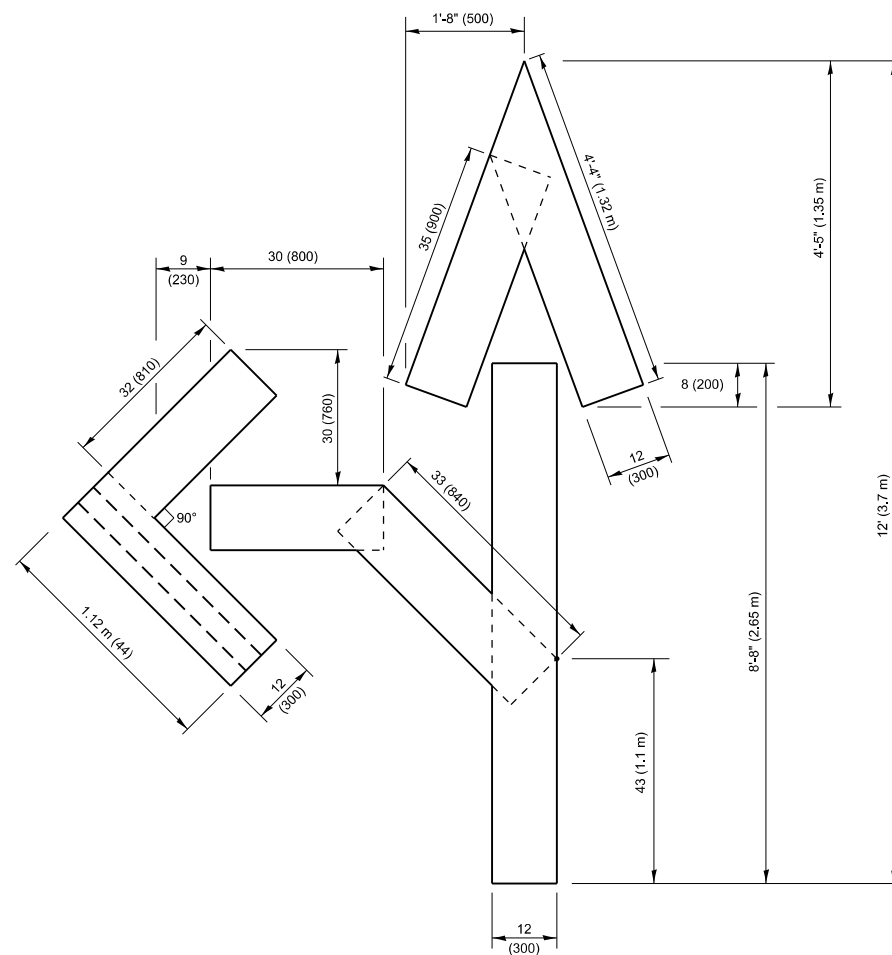
QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.41 sq. m)



QUANTITY

4 (100) LINE = 64.1 ft. (19.5 m)
21.4 sq. ft. (1.99 sq. m)

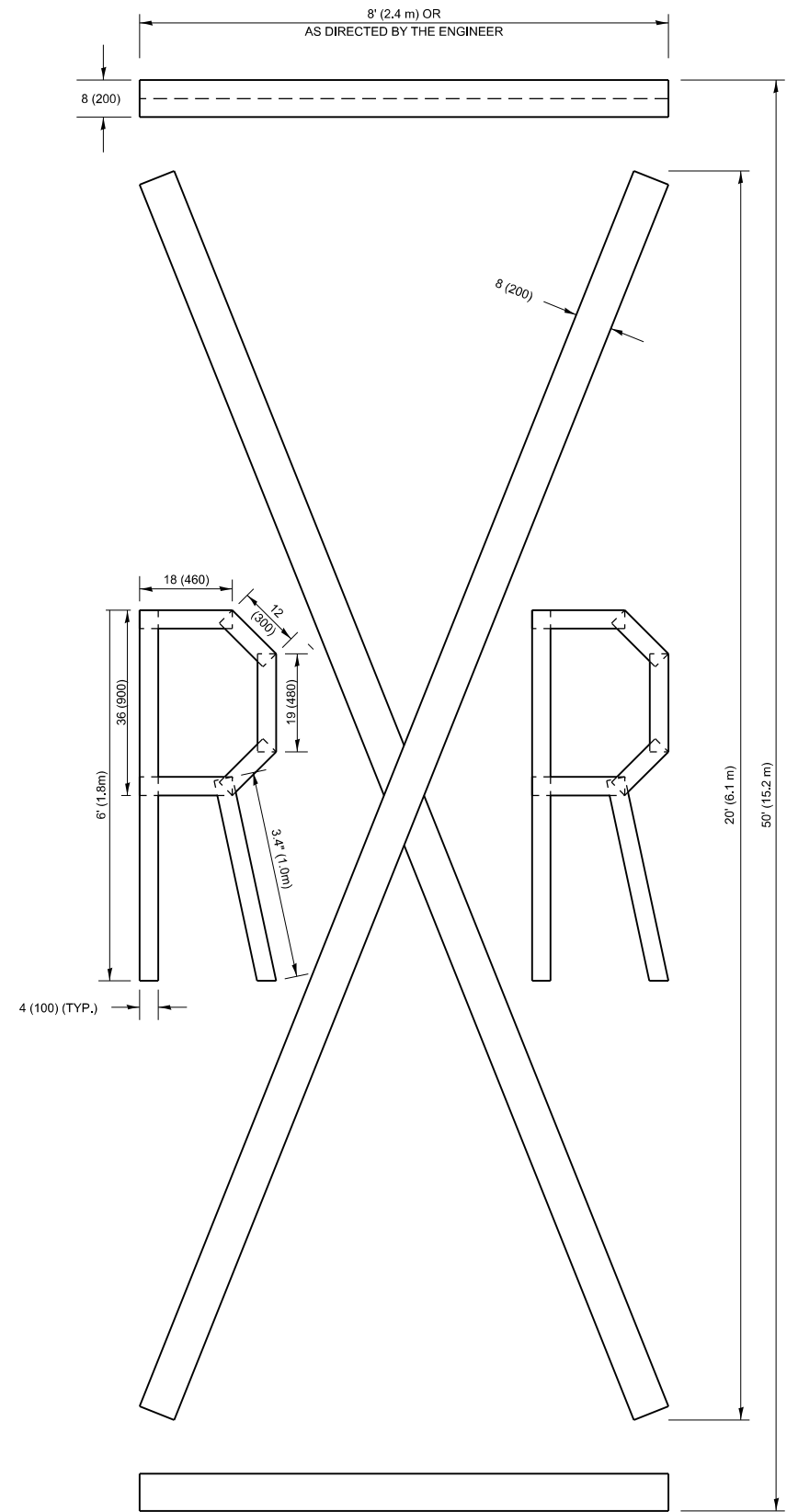


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m)
27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY

4 (100) LINE = 225.9 ft. (68.9 m)
75.3 sq. ft. (6.99 sq. m)

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

MODEL: TC16 (Sheet)
FILE NAME: c:\p\work\pav\illinois.gov_merinjose\0873301\100523-sh+DistSigs.dgn

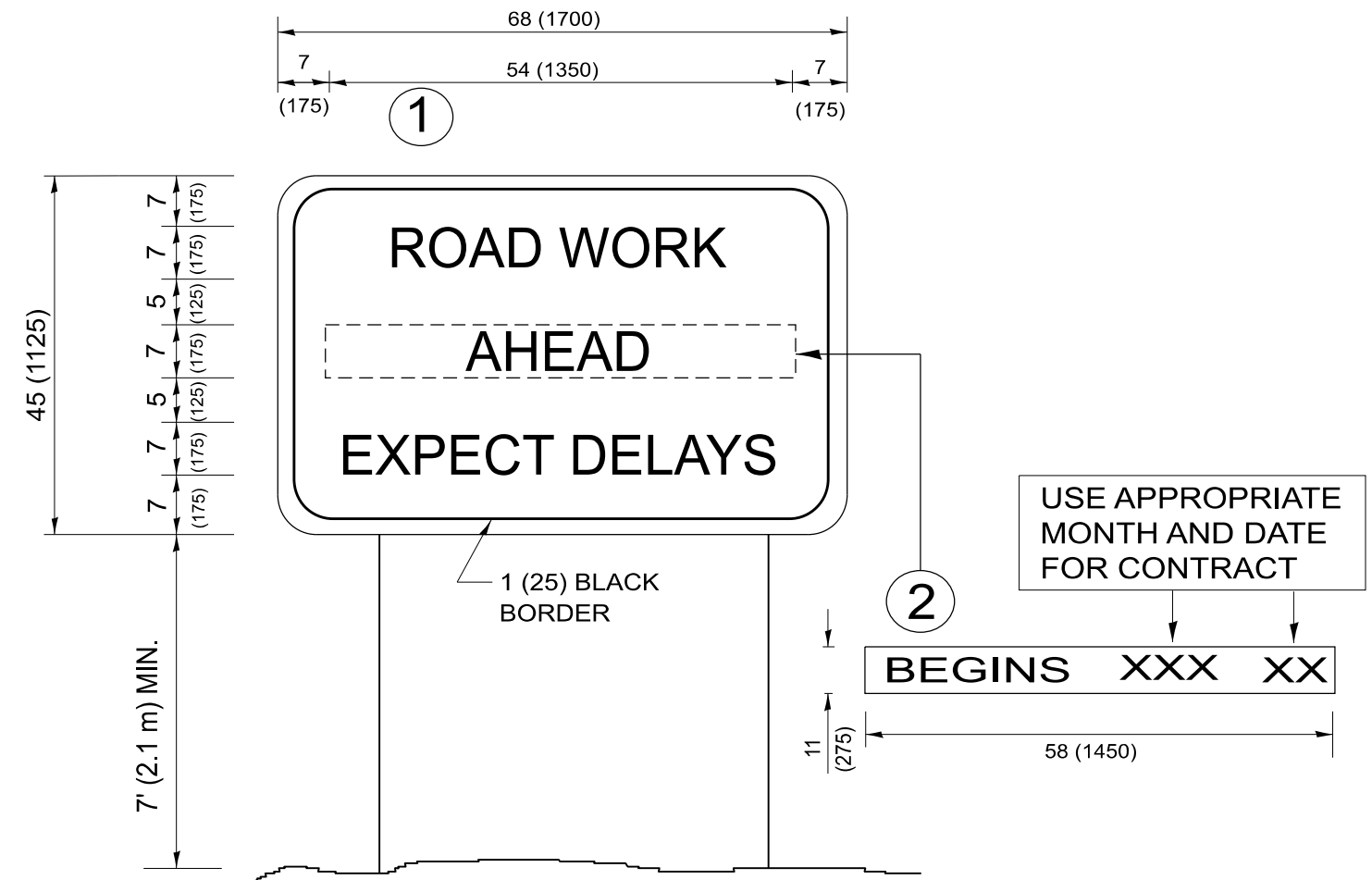
USER NAME = Merin,Jose	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/11/2024	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	15
TC-16		CONTRACT NO. 62T83		
ILLINOIS FED. 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 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.
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.

MODEL: TC22 (Sheet)
FILE NAME: c:\p\work\project\illinois.gov_merlin.jose@illinois.gov\0873301\100523-sh1-DistSigs.dgn

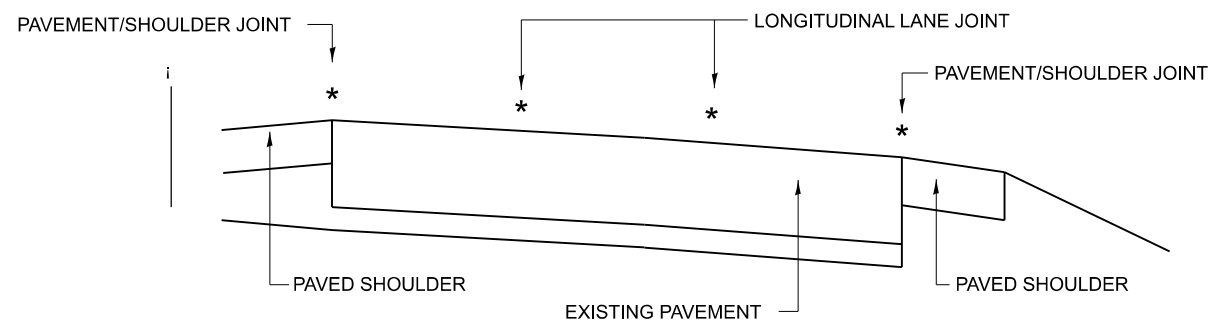
USER NAME = Merlin.Jose	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
	CHECKED -	REVISED - T. RAMMACHER 02-02-99
PLOT DATE = 12/11/2024	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

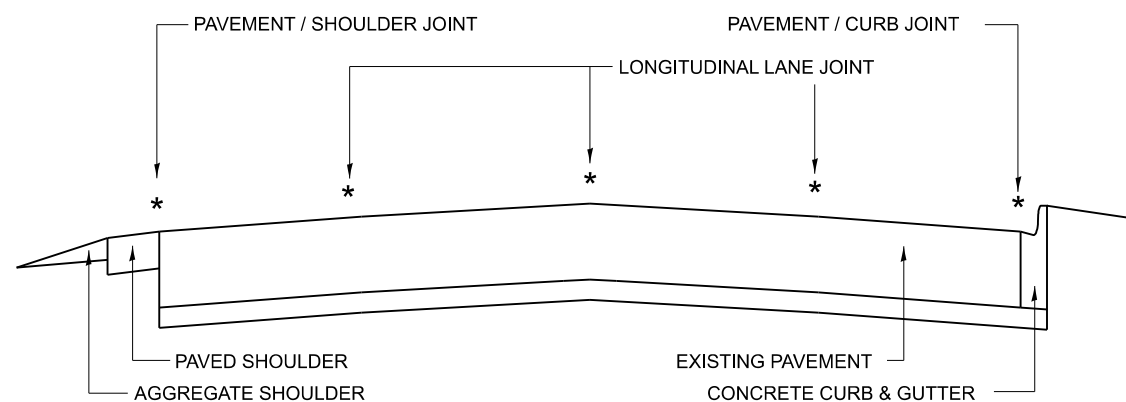
**ARTERIAL ROAD
INFORMATION SIGN**

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

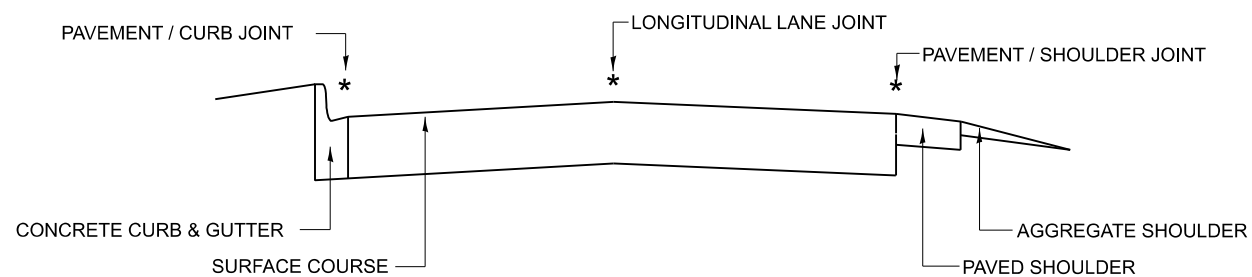
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	16
TC-22			CONTRACT NO. 62T83	
ILLINOIS FED. AID PROJECT				



MULTI-LANE DIVIDED PAVEMENT



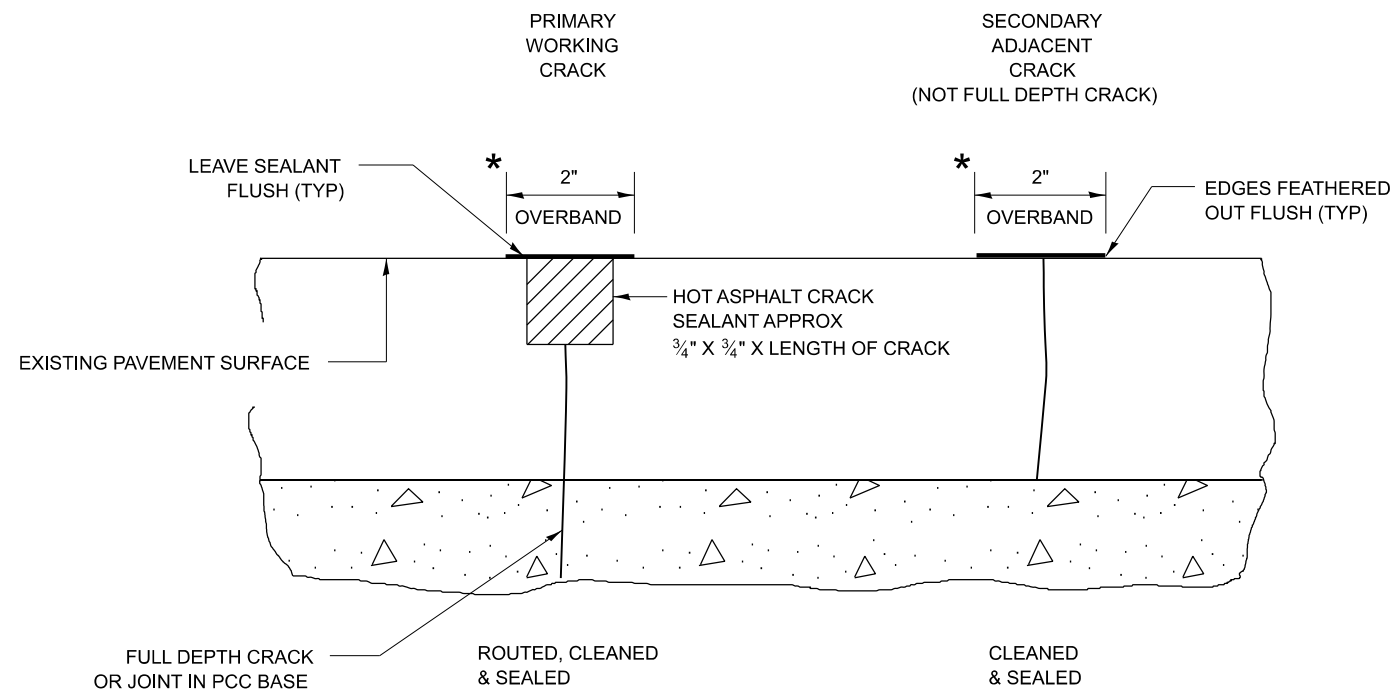
MULTI-LANE UNDIVIDED PAVEMENT



TWO-LANE PAVEMENT

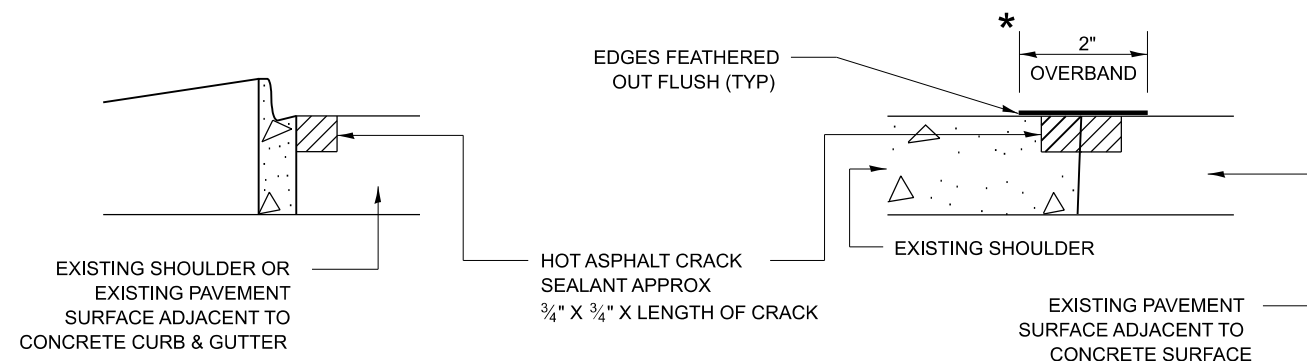
* PROPOSED LONGITUDINAL CRACK ROUTING (PAVEMENT) & CRACK FILLING LOCATIONS

GENERAL EXISTING TYPICAL SECTIONS
(APPLIES TO HMA AND PCC PAVEMENTS)



* IN ALL LOCATIONS WHERE THE LONGITUDINAL CRACK CONFLICTS WITH EXISTING PAVEMENT MARKINGS (EITHER EDGE LINE OR LANE LINE) THE CRACK SHALL BE ROUTED & THE RESULTING RESERVOIR FILLED WITH SEALANT. ALL DAMAGES TO EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR. ALL EXISTING PAVEMENT MARKINGS WITHIN THE PROJECT LIMITS SHALL BE RESTORED WITH MODIFIED URETHANE PAVEMENT MARKINGS.

LONGITUDINAL JOINT



CRACK & JOINT SEALING DETAIL

MODEL: PD-11 (Sheet)
FILE NAME: c:\p\work\pavement\illinois.gov_merinjose\1100523-sh+DistSigs.dgn

USER NAME = Merin,Jose	DESIGNED - F. Aqueel / A. Midy	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/11/2024	DATE - 10/08/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CRACK & JOINT SEALING DETAIL
(PD-11)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0303	FAP 0303 22 RS 4	MCHENRY	17	17
PD-11		CONTRACT NO. 62T83		
ILLINOIS FED. AID PROJECT				