04-25-2025 LETTING ITEM 032

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

FAP 0525 23 SMART MCHENRY 15 ILLINOIS CONTRACT NO. 62V53

D-91-031-24

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED WITHIN: **CORAL TOWNSHIP**

TRAFFIC DATA

0

0

0

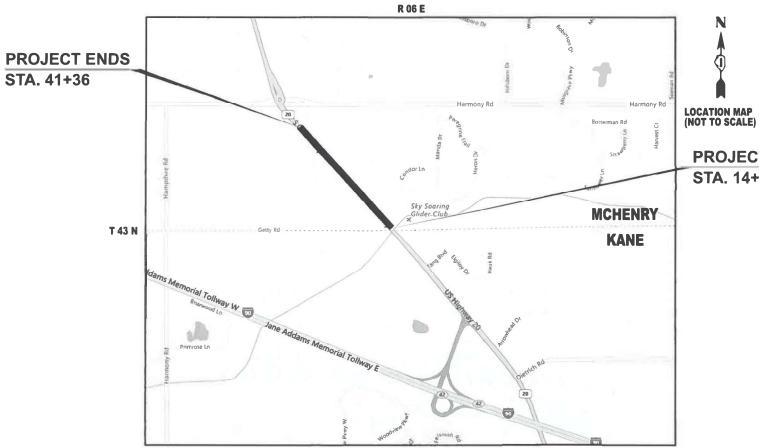
0

2023 ADT - 7,850 POSTED SPEED LIMIT - 45 MPH **OTHER PRINCIPAL ARTERIAL**

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 525: US 20 (GRANT HWY)
0.2 MI SE OF HARMONY ROAD TO GETTY ROAD **SECTION: FAP 0525 23 SMART** PROJECT: NHPP-AZW1(947) **STANDARD OVERLAY MCHENRY COUNTY**

C-91-036-24



CORAL TOWNSHIP

GROSS LENGTH = NET LENGTH = 2646.0 FT. = 0.50 MILE

LOCATION OF SECTION INDICATED THUS: -**PROJECT BEGINS**

STA. 14+90

STATE OF ILLINOIS

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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

PROJECT ENGINEER: LUKASZ POCIECHA (847) 705-4255 **PROJECT MANAGER: VESELIN VELICHKOV**

CONTRACT NO. 62V53

INDEX OF SHEETS STATE STANDARDS

SHEET NO.	DESCRIPTION	STANDARD NO.	DESCRIPTION
1	COVER SHEET	000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES	442201-03	CLASS C AND D PATCHES
3	SUMMARY OF QUANTITIES	642001-03	SHOULDER RUMBLE STRIPS, 16 IN.
4	EXISTING AND PROPOSED TYPICAL SECTIONS	701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
5-6	ROADWAY AND PAVEMENT MARKING PLANS	701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
7	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)	701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
8	BUTT JOINT AND HMA TAPER DETAILS (BD-32)	701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
9	RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY (BD-55)	701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FRO SPEEDS \geq 45 MPH
10	TRAFFIC CONTROL AND PROTECTION FOR SIDE RAODS, INTERSECTIONS, AND DRIVEWAYS (TC-10)	701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
		701901-10	TRAFFIC CONTROL DEVICES
11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)	780001-05	TYPICAL PAVEMENT MARKINGS
12	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)	781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
13	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)		
14	ARTERIAL ROAD INFORMATION SIGN (TC-22)		
15	DRIVEWAY ENTRANCE SIGNING (TC-26)		

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.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.
- 4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 6. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE 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 WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER VIA EMAIL AT WALTER.CZARNY@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 8. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 9. ALL PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL PAVEMENT MARKINGS.
- 10. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT 1 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
- 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 SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- 12. 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.
- 13. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITAION PROJECTS INVLOLVING 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.

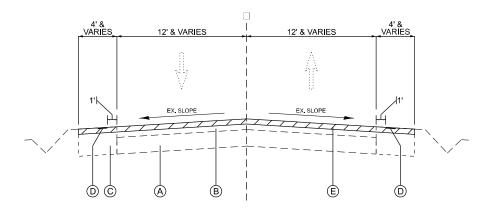
GENERAL NOTES CONTINUE ON NEXT SHEET

USER NAME = nicholas.babul	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 12/2/2024	DATE -	REVISED -

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	SUMMARY OF QUANTITI	IEO		ļ	0005		11 2 0					SU	MMARY OF QUANTITIES			0005		1.55	
CODE NO.	ITEM	U	JNIT		80% FED	0005 100% STATE					CODE NO.		ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE ROADWAY	0005 100% STATE		
40600290	BITUMINOUS MATERIALS (TACK COAT)	PC	DUND	6770	6770						78300200	RAISED REFLECT	TIVE PAVEMENT MARKER REMOVAL	EACH	43	43			
40600370	LONGITUDINAL JOINT SEALANT	E/	тоот	2646	2646						78300202	BAVEMENT MARK	(ING REMOVAL - WATER BLASTING	SQ FT	2419	2419			
40000370	EGNGITUDINAL JOINT SEALANT	F	001	2040	2040						78300202	PAVEIVIENT WARK	NING REMOVAL - WATER BLASTING	SQFI	2419	2419			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLA	ANGEWAYS T	TON	16	16						X6420114	CENTER LINE - R	UMBLE STRIP - 16"	FOOT	2578	2578			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL -	BUTT JOINT SC	QYD	76	76						X6700407	ENGINEER'S FIEL	D OFFICE, TYPE A (D1)	CAL MO	6	6			
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER IL 4.75, N50	R COURSE, T	TON	414	414						* X7800815	HOT SPRAY THEF LINE - 4 INCH	RMOPLASTIC PAVEMENT MARKING	FOOT	1877	1877			
40604172	POLYMERIZED HOT-MIX ASPHALT SURFA IL-9.5, MIX "E", N70	CE COURSE, T	TON	983	983						Z0013798	CONSTRUCTION	LAYOUT	L SUM	1	1			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2	2 1/2" SC	Q YD	10030	10030						Z0030850	TEMPORARY INFO	ORMATION SIGNING	SQ FT	73.8	73.8			
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SC	QYD	25	25														
44201789	CLASS D PATCHES, TYPE II, 12 INCH	Sc	Q YD	100	100														
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SC	Q YD	50	50														
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	So	Q YD	25	25														
60920015	PIPE CULVERTS TO BE CLEANED 15"	F	тоот	300		300													
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	F	тоот	5224	5224														
	,																		
67100100	MOBILIZATION	L	SUM	1	1														
70100450	TRAFFIC CONTROL AND PROTECTION, S	TANDARD 701201 L :	SUM	1	1														
70100460	TRAFFIC CONTROL AND PROTECTION, S	TANDARD 701306 L :	SUM	1	1														
70300100	SHORT TERM PAVEMENT MARKING	F	тоот	6427	6427														
70300150	SHORT TERM PAVEMENT MARKING REM	OVAI S(Q FT	2143	2143														
70300130	SHORT TERM PAVEMENT MARRING REM	JVAL St	NQ F1	2143	2143														
70300221	TEMPORARY PAVEMENT MARKING - LINE	: 4" - PAINT FO	юот	21537	21537														
70300281	TEMPORARY PAVEMENT MARKING - LINE	: 24" - PAINT F0	юот	39	39														
* 78000200	THERMOPLASTIC PAVEMENT MARKING -	LINE 4" FO	OOT	5302	5302														
* 78000650	THERMOPLASTIC PAVEMENT MARKING -	LINE 24" FO	тоот	13	13														
* 78100100	RAISED REFLECTIVE PAVEMENT MARKEI	R E	EACH	43	43														★ = SPECIALTY ITEMS
			-																
	USER NAME = nicholas.bab) -		REVISED	-		ı		TATE OF U.	INOIS		SUMMARY	OF QUANTIT	TES		F.A.P. RTE.	SECTIO	N COUNTY TOTAL SHE
	PLOT SCALE =	DRAWN CHECKED	-		REVISED .	<u>-</u> -				TATE OF ILL ENT OF TRA	LINOIS ANSPORTATIO	_N	US 20 (GRANT HWY.) [0.2 MI S/			ETTY RD.]		FAP 0525 23 S	
	PLOT DATE = 12/9/2024	DATE			REVISED								SCALE: SHEET 1 OF 1	SHEETS STA.	Т	O STA.			INOIS FED. AID PROJECT

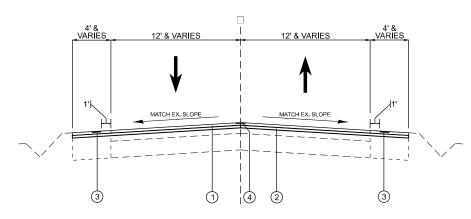
US 20 (GRANT HIGHWAY)



EXISTING TYPICAL SECTION

STA. 14+90 TO STA. 41+36

US 20 (GRANT HIGHWAY)



PRPOSED TYPICAL SECTION

STA. 14+90 TO STA. 41+36

LEGEND - EXISTING:

- (A) CONCRETE PAVEMENT ±8"
- (B) HOT MIX ASPHALT SURFACE BEFORE MILLING, ±6"
- © EXISTING HOT MIX ASPHALT SHOULDER
- (D) EXISTING SHOULDER RUMBLE STRIPS, 16"
- E HOT MIX ASPHALT SURFACE REMOVAL 2-1/2"

LEGEND - PROPOSED:

- (1) POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1-3/4"
- 2 POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"
- ③ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- 4 PROPOSED CENTERLINE RUMBLE STRIPS, 16"

NOTES:

- 1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
- 2. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLYMERIZED HMA BINDER COURSE IL-4.75.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT
MIXTURE TYPE	PROGRAM (QMP)	
PAVEMENT RESURFACING	•	
POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N70, 1-3/4"	4% @ 70 GYR.	QC/QA
POLYMERIZED HOT MIX ASPHALT BINDER COURSE, IL-4.75, N50, 3/4"	3.5% @ 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0)	4% @ 70 GYR.	QC/QA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CON PAY FOR PERFORMANCE (PFP)	ITROL FOR PERFORMANCE	(QCP);

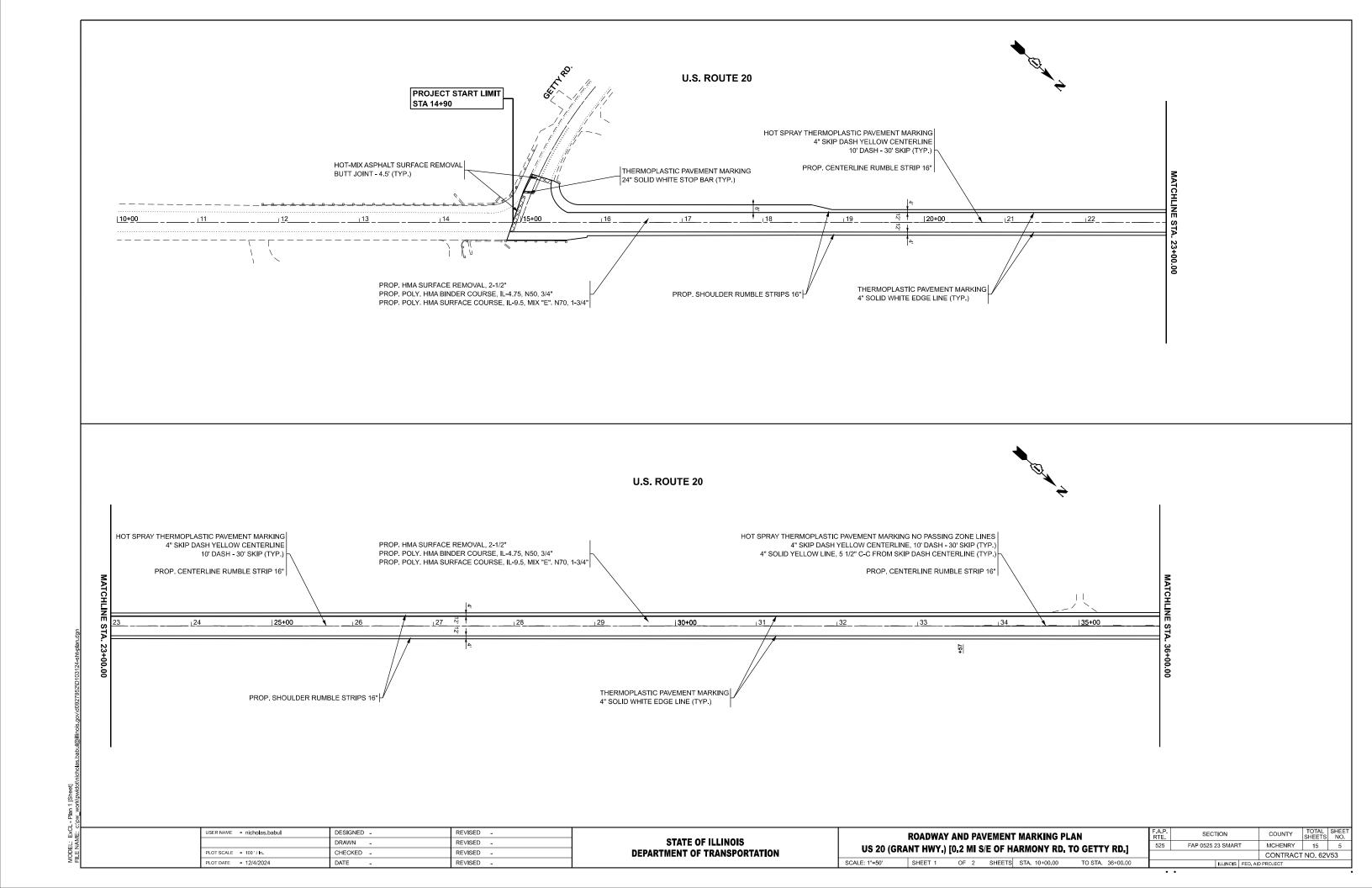
- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

JSER NAME = nicholas.babul DESIGNED -REVISED DRAWN REVISED CHECKED -REVISED PLOT DATE = 12/4/2024 DATE REVISED .

STATE OF ILLINOIS

EXISTING AND PROPOSED TYPICAL SECTIONS US 20 (GRANT HWY.) [0.2 MI S/E OF HARMONY RD. TO GETTY RD.] SHEET 1 OF 1 SHEETS STA.

SECTION FAP 0525 23 SMART 525 MCHENRY 15 CONTRACT NO. 62V53



U.S. ROUTE 20 HOT SPRAY THERMOPLASTIC PAVEMENT MARKING NO PASSING ZONE LINES 4" SKIP DASH YELLOW CENTERLINE, 10' DASH - 30' SKIP (TYP.) 4" SOLID YELLOW LINE, 5 1/2" C-C FROM SKIP DASH CENTERLINE (TYP.) PROJECT END LIMIT STA 41+36 PROP. CENTERLINE RUMBLE STRIP 16" HOT SPRAY THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE SOLID YELLOW CENTERLINE, 2 @ 11" C-C (TYP.) PROP. SHOULDER RUMBLE STRIPS 16" PROP. CENTERLINE RUMBLE STRIP 16" 145+00 MATCHLINE HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT - 4.5' (TYP.) PROP. HMA SURFACE REMOVAL, 2-1/2" PROP. POLY. HMA BINDER COURSE, IL-4.75, N50, 3/4"
PROP. POLY. HMA SURFACE COURSE, IL-9.5, MIX "E". N70, 1-3/4" THERMOPLASTIC PAVEMENT MARKING 4" SOLID WHITE EDGE LINE (TYP.)



MODEL: EXCL - Plan 3 (Sheet)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN

US 20 (GRANT HWY.) [0.2 MI S/E OF HARMONY RD. TO GETTY RD.]

LE: 1"=50' SHEET 2 OF 2 SHEETS STA. 36+00.00 TO STA. 49+00.00

 FA.P. RTE.
 SECTION
 COUNTY SHEETS
 TOTAL NO.
 SHEETS NO.

 525
 FAP 0525 23 SMART
 MCHENRY
 15
 6

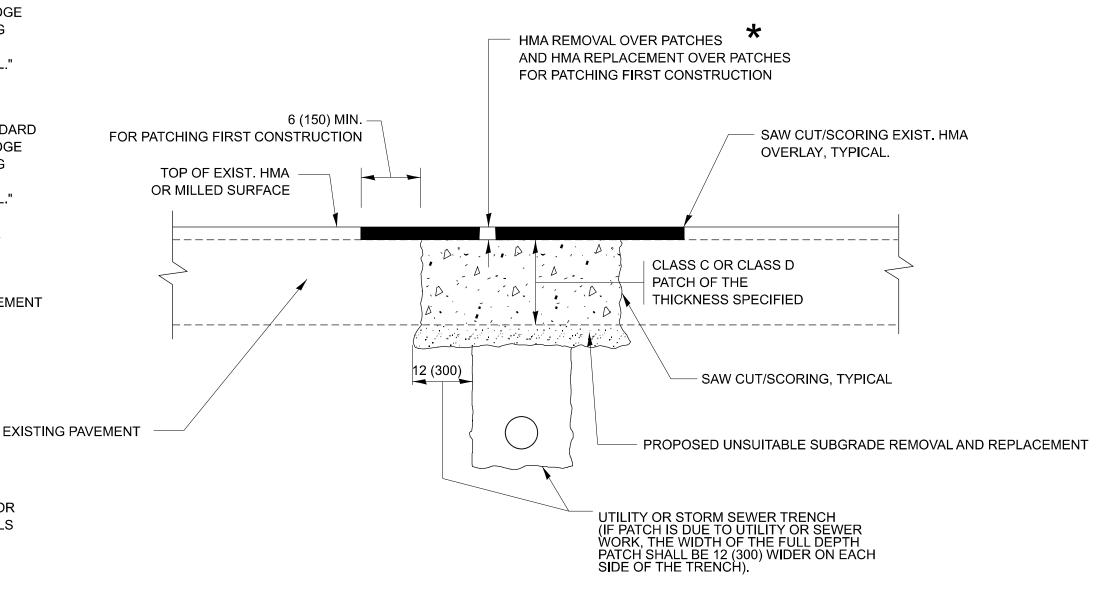
 CONTRACT NO. 62V53

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."
- 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.

SEE TYPICAL SECTIONS FOR

THICKNESS AND MATERIALS

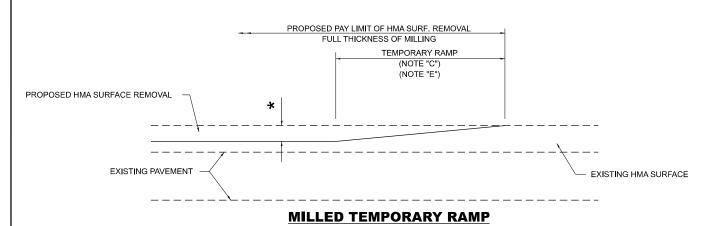
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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.

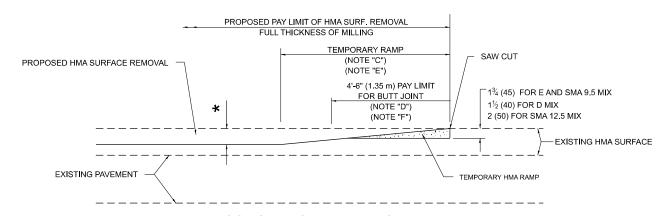
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = nicholas.babul	DESIGNED - R. SHAH	REVISED - R. BORO 01-	1-07			ΡΔ	VEMEN.	Г РАТСН	ING FOR	_	F.A.P. RTF	SECTION	COUNTY	TOTAL	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-	14- 07	STATE OF ILLINOIS					AVEMENT		525	FAP 0525 23 SMART	MCHENRY	15	7
PLOT SCALE = 0.16666633 '/in.	CHECKED -	REVISED - K. ENG 10-27	-08	DEPARTMENT OF TRANSPORTATION		ПІЧ	IA SUKF	ACED P	AVENIENI		В	D400-04 (BD-22)	CONTRACT	NO. 62V	53
PLOT DATE = 12/4/2024	DATE - 10-25-94	REVISED - K. SMITH 11-	18-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. A	ID PROJECT		



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

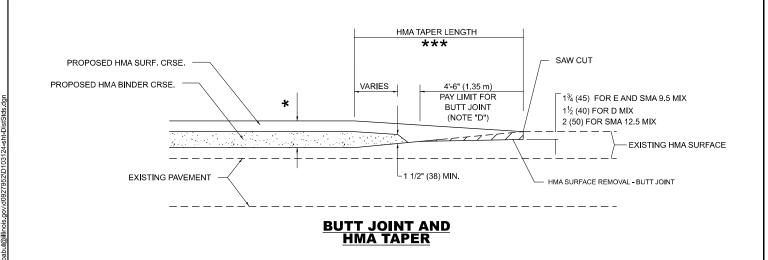
OPTION 1



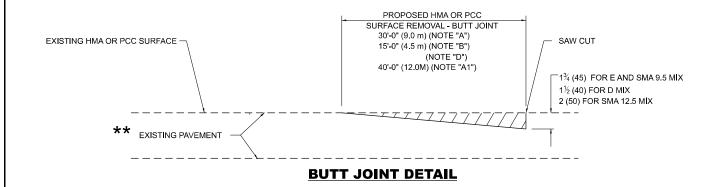
HMA CONSTRUCTED TEMPORARY RAMP

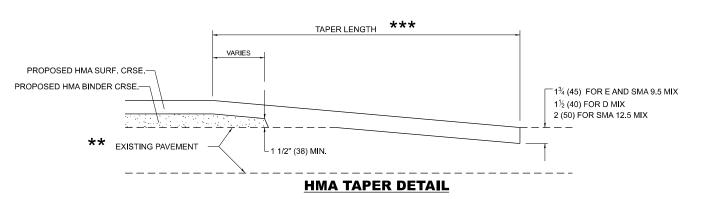
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2 TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING





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".

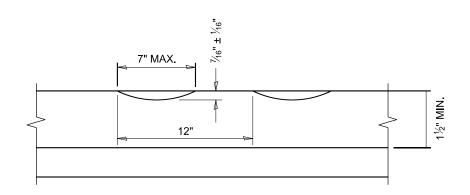
20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

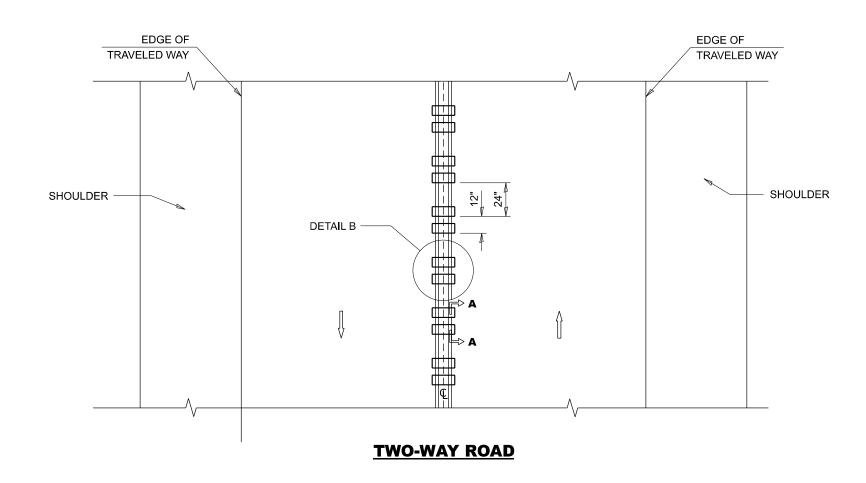
- THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT"
- 2. THE TEMPORARY RAMP AND SAW CUT SHALL BE INCLUDED IN THE UNIT COST FOR HMA OR PCC SURFACE REMOVAL-BUTT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

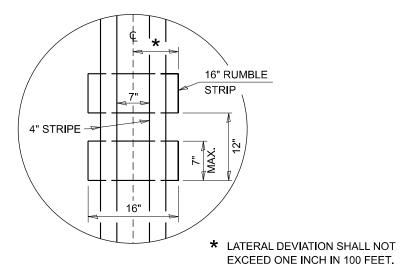
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

JSER NAME = nicholas.babul DESIGNED - M. DE YONG COUNTY **BUTT JOINT AND** STATE OF ILLINOIS REVISED -DRAWN M. GOMEZ 04-06-01 525 FAP 0525 23 SMART MCHENRY 15 **HMA TAPER DETAILS** CHECKED -**DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 62V53 BD400-05 BD-32 SHEET 1 OF 1 SHEETS STA. SCALE: NONE PLOT DATE = 12/4/2024 REVISED - K. SMITH 11-18-22 TO STA. DATE



SECTION A-A





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 SWEPT 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

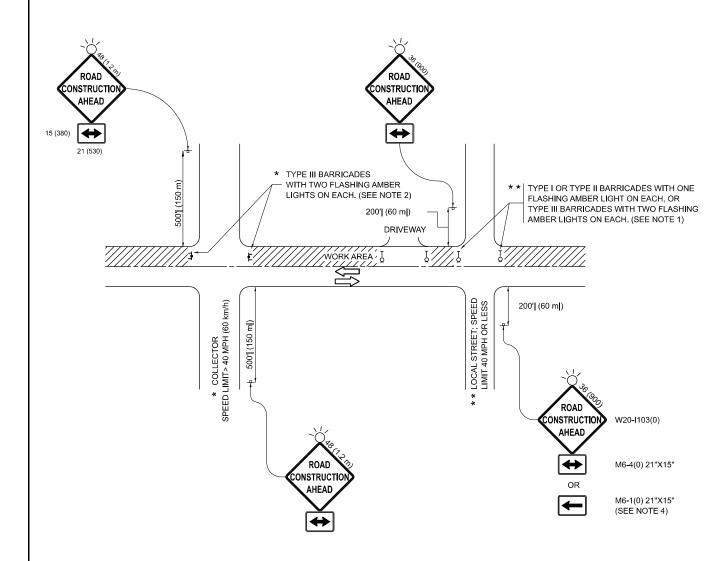
- 1. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CENTERLINE-RUMBLE STRIP OF THE WIDTH SPECIFIED.
- 2. HOT-SPRAY THERMOPLASTIC PAVEMENT MARKING WILL BE USED OVER THE RUMBLE STRIPS, AND WILL BE PAID FOR SEPARATELY.

USER NAME = nicholas.babul	DESIGNED	-	R. BORO	REVISED	-	K. SMITH 11-18-22
	DRAWN	-		REVISED	-	
	CHECKED	-		REVISED	-	
PLOT DATE = 12/4/2024	DATE	_	08-06-2012	REVISED	_	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

RUMBLE STRIPS FOR CENTERLINE, NON-FREEWAY 525 SCALE: NONE SHEET 1 OF 1 SHEETS STA.

FAP 525 23 SMART MCHENRY 15 CONTRACT NO. 62V53 BD 55



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.
- 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).

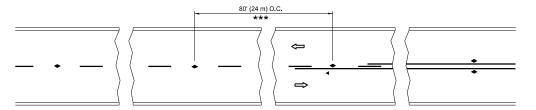
SCALE:

- 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.

USER NAME = nicholas.babul	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-06
PLOT DATE = 12/4/2024	DATE - 06-89	REVISED _ D. SENDERAK 05-03-24

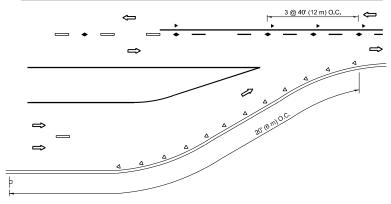
TE. 525	FAP 0525 2	23 SMAR	MCHENRY	SHEETS 15	NC 10	
	TC-10)		CONTRACT	NO. 62	√53
		ILLINOIS	PROJECT			

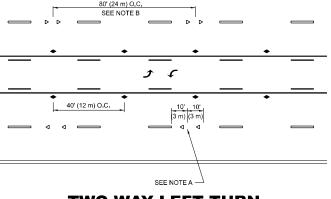


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

TWO-LANE/TWO-WAY

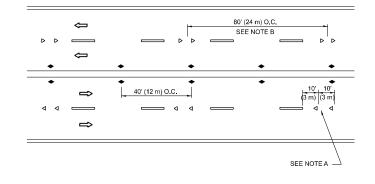
SEE FIGURE 3B-14 MUTCD



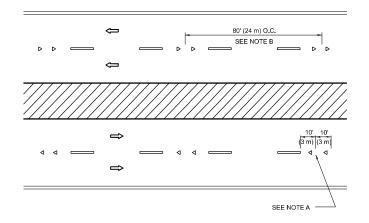


LANE REDUCTION TRANSITION

TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

- 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

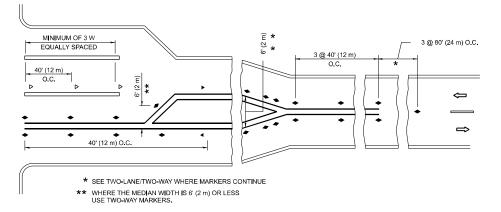
A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.
- 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.

3 @ 80' (24 m) O.C. 3 @ 40' (12 m) O.C. 40' (12 m) O.C. 40' (12 m) O.C.

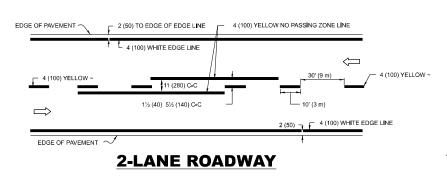


TURN LANES

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

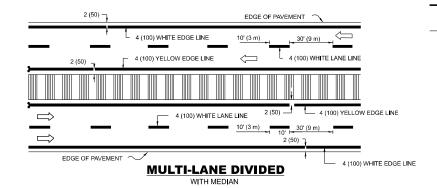
_	USER NAME = nicholas.babul		REVISED - T. RAMMACHER 03-12-99			1	YPICAL	APPLICAT	IONS	_	F.A.P. RTE	SECTION	COUNTY	TOTAL S	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 01-06-00	STATE OF ILLINOIS	DAIGED DEE					PLOW RESISTANT)	525	FAP 0525 23 SMART	MCHENRY	15	11
	PLOT SCALE = 0.16666633 "/ in.	CHECKED -	REVISED - C. JUCIUS 09-09-09	DEPARTMENT OF TRANSPORTATION	KAISED KEF	LECTIVE PA	A CINICIA I	WARNER	3 (3NUN-I	PLOW RESISTANT)		TC-11	CONTRAC	T NO. 62V	53
	PLOT DATE = 12/4/2024	DATE -	REVISED - C. JUCIUS 07-01-13		SCALE: NONE	SHEET 1	OF 1	SHEETS ST	A.	TO STA.		ILLINOIS FED.	AID PROJECT		

MODEL: TC-11 [Sheet]
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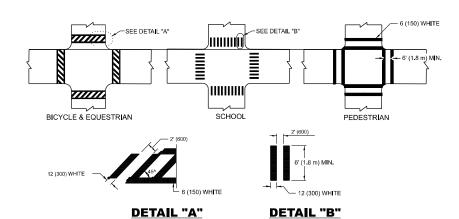


— 2 (50) TO EDGE OF EDGE LINE 4 (100) WHITE EDGE LINI - 4 (100) YELLOV 10' (3 m) -2 (50) 7 4 (100) WHITE EDGE LINE

MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING



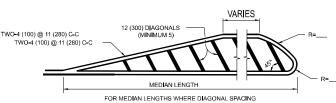
TYPICAL CROSSWALK MARKING

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

TWO-4 (100) YELLOW @ 11 (280) C-C 4' (1.2 m) OUTS DE TO NO DIAGONALS

TWO-4 (100) YELLOW @ 11 (280) C-C

4' (1.2 m) WIDE MEDIANS ONLY



@ 10' (3 m) OR LESS SPACING

8 (200) WHITE

ISLAND OFFSET FROM PAVEMENT EDGE

8 (200) WHITE -

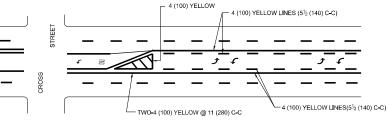
ISLAND AT PAVEMENT EDGE

RAISED

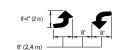
CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

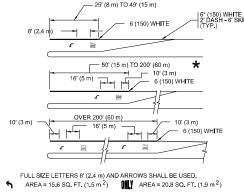
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



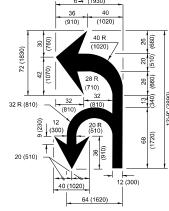
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



COMBINATION **LEFT AND U-TURN**



LANE REDUCTION **TRANSITION**

D(FT)

SPEED LIMIT

U-TURN

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 SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PILACE 4" (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWAIK, 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 \geq 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

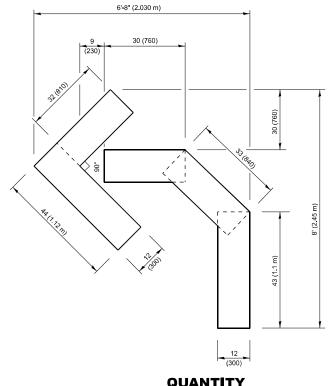
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

USER NAME = nicholas.babul	DESIGNED - EVERS	3	REVISED	-	C. JUCIUS 09-09-09
	DRAWN -		REVISED	-	C. JUCIUS 07-01-13
PLOT SCALE = 0.16666633 ' / in.	CHECKED -		REVISED	-	C. JUCIUS 12-21-15
PLOT DATE = 12/4/2024	DATE - 03-19-9	90	REVISED	-	C. JUCIUS 04-12-16

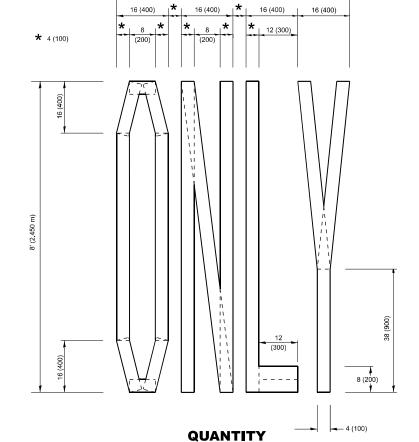
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

COUNTY DISTRICT ONE FAP 0525 23 SMART MCHENRY 15 TYPICAL PAVEMENT MARKINGS CONTRACT NO. 62V53 SHEET 1 OF 1 SHEETS STA.

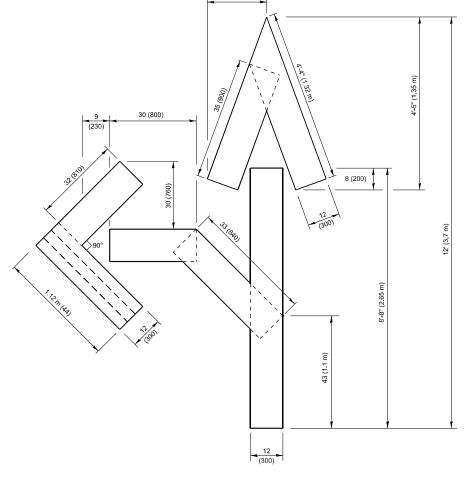


QUANTITY

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



4 (100) LINE = 64.1 ft. (19.5 m)

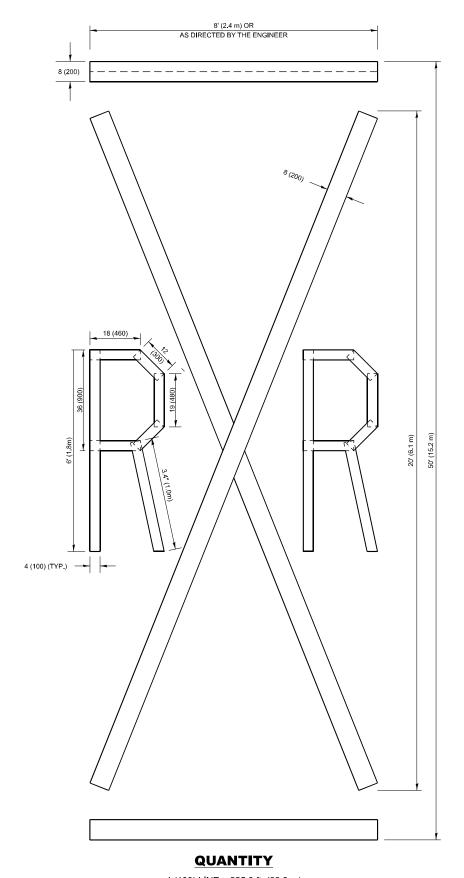


QUANTITY

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.



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.

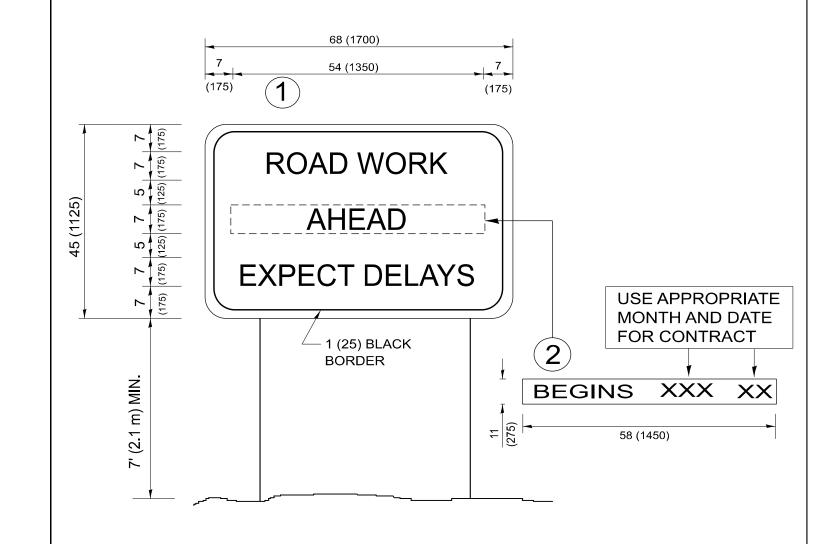
USER NAME = nicholas.babul	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 12/4/2024	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

21.4 sq. ft. (1.99 sq. m)

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

SCALE: NONE

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS							F.A.P. RTE.	SECTION	COUNTY TOTAL SHEE SHEETS NO.		
							525	FAP 0525 23 SMART	MCHENRY	15	13
								TC-16	CONTRAC	T NO. 62'	V53
ALE: NONE	SHEET 1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FE	ED. 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.)

SCALE: NONE

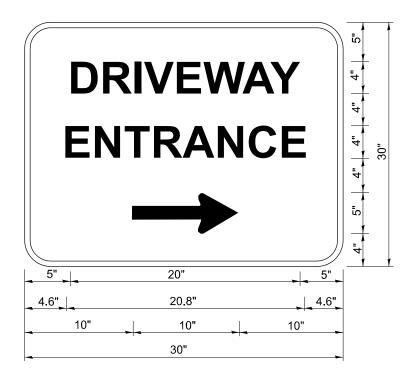
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = nicholas.babul	DESIGNED -	REVISED	- R. MIRS 09-15-97
	DRAWN -	REVISED	- R. MIRS 12-11-97
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED	- T. RAMMACHER 02-02-99
PLOT DATE = 12/4/2024	DATE -	REVISED	- C. JUCIUS 01-31-07

				ERIAL RO		
SHEET	1	OF	1	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
525	FAP 0525 23 SMART		MCHENRY	15	14	
	TC-22	CONTRACT NO. 62V53				
ILLINOIS FED AID PROJECT						



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

- 1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
- 2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
- 3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

USER NAME = nicholas.babul	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/4/2024	DATE -	REVISED -

SCALE: NONE