

11-06-2026 LETTING ITEM 038

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

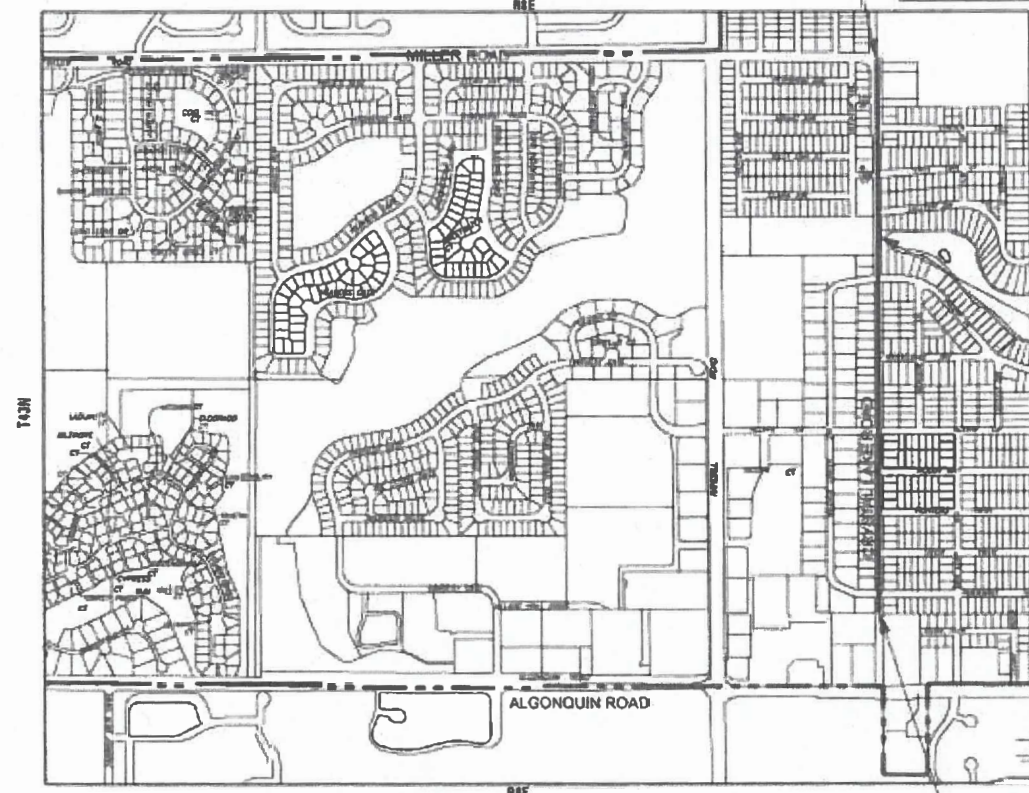
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 4038 (CRYSTAL LAKE ROAD)
FROM ALGONQUIN ROAD TO MILLER ROAD
RESURFACING
SECTION: 23-00045-00-RS
PROJECT: MMXM(446)
VILLAGE OF LAKE IN THE HILLS
McHENRY COUNTY

C-91-317-26
LOCATION MAP
NOT TO SCALE

CRYSTAL LAKE ROAD
IMPROVEMENT ENDS
STA. 255 + 73.99

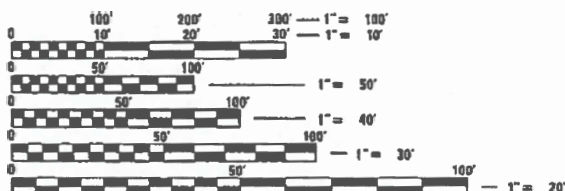


GROSS LENGTH = 4,727.99 FT. = 0.895 MILE
NET LENGTH = 4,727.99 FT. = 0.895 MILE

BAXTER & WOODMAN
Consulting Engineers

TRAFFIC DATA

CRYSTAL LAKE ROAD
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED = 30 MPH
ADT = 3,850
ROAD CLASSIFICATION: MAJOR COLLECTOR



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.

JULIE DESIGN STAGE REQUEST
OIG. No. A260842986



CONTACT JULIE AT 810R 800-892-0123
WITH THE FOLLOWING:
COUNTY McHENRY
CITY-TOWNSHIP = LAKE IN THE HILLS - ALGONQUIN
SEC. & 1/4 SEC. NO. = S20, S29
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61M88

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-RS	McHENRY	18	1
MMXM(446)				



LOCATION OF SECTION INDICATED THIS: -



PROJECT MANAGER
"LICENSE COPIES 11-30-2021"

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	<i>[Signature]</i>
VILLAGE OF LAKE IN THE HILLS	
PASSED	<i>[Signature]</i>
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>[Signature]</i>
REGIONAL ENGINEER	

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OF THE STATE OF ILLINOIS

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INDEX OF SHEETS

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20	DRIVEWAY ENTRANCE SIGNING (TC-26)

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
604001-05	FRAME AND LIDS TYPE 1
604051-04	FRAME AND GRATE TYPE 11
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
780001-05	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

BD-08	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-13	DISTRICT 1 TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

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GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS") ADOPTED JANUARY 1, 2022, THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2026, THE 11TH EDITION WITH REVISION 1 "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIAL: REVISED DECEMBER 1, 2023, AND THE 8TH EDITION "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- UTILITY LOCATIONS HAVE NOT BEEN SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE VILLAGE PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE VILLAGE RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF VILLAGE WATER IF DEEMED NECESSARY.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 48 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- ALL NITROGEN, PHOSPHORUS AND POTASSIUM FERTILIZER NUTRIENTS HAVE BEEN INTENTIONALLY OMITTED FROM THE CONTRACT ON THE SODDING APPLICATION.
- A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO.
- ALL EXISTING SIGNS TO BE REMOVED SHALL BE DELIVERED TO PUBLIC WORKS (9010 HALIGUS RD, LAKE IN THE HILLS, IL). ALL DROP OFFS SHALL BE COORDINATED WITH THE ENGINEER AND VILLAGE PRIOR TO DELIVERY.
- THE TIME THAT THE AGGREGATE BASE COURSE IS EXPOSED SHALL BE LIMITED TO 24 HOURS.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- CONTRACTORS SHALL TAKE PRECAUTION BY PRESERVING EXISTING TRESS WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07 REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL REQUIREMENTS STATED HERIN.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.

MAINTENANCE OF TRAFFIC NOTES

- THE CONTRACTOR SHALL SUBMIT A PREPLANNED SEQUENCE OF WORK AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND BUSINESSES AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY ROADWAY SEGMENT IF CONSTRUCTION OPERATIONS ON A PREVIOUS SEGMENT ARE UNACCEPTABLE; TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE; OR AN EROSION CONTROL DEFICIENCY EXISTS.
- THE ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF ANY CHANGES TO CONSTRUCTION STAGING. ALL CHANGES TO CONSTRUCTION STAGING MUST BE APPROVED BY THE ENGINEER PRIOR TO IMPLEMENTATION.
- ACCESS FOR CRYSTAL LAKE ROAD LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
- ALL STREETS SHALL BE OPEN TO TWO-WAY TRAFFIC AT THE END OF EACH DAY.
- 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.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- PAVEMENT MARKING, TYPE IV TAPE SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% Federal 20% Village
			Roadway
			0005
			Urban
20101100	TREE TRUNK PROTECTION	EACH	9
20101200	TREE ROOT PRUNING	EACH	9
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	198
20400800	FURNISHED EXCAVATION	CU YD	6
20800150	TRENCH BACKFILL	CU YD	7
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	238
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	609
25200100	SODDING	SQ YD	609
25200200	SUPPLEMENTAL WATERING	UNIT	8
28000510	INLET FILTERS	EACH	75
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	80
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	632
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	39
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	10,415
40600370	LONGITUDINAL JOINT SEALANT	FOOT	4,728

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% Federal 20% Village
			Roadway
			0005
			Urban
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	24
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	230
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	637
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,729
42400800	DETECTABLE WARNINGS	SQ FT	470
44000100	PAVEMENT REMOVAL	SQ YD	12
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	15,429
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	115
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,399
44000600	SIDEWALK REMOVAL	SQ FT	2,676
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	95
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	143
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	238
48301000	PROTECTIVE COAT	SQ YD	893
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	23

* INDICATES SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	4
CONTRACT NO. 61M88				
ILLINOIS FED. AID PROJECT MMXM(446)				

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% Federal 20% Village
			Roadway
			0005 Urban
55100500	STORM SEWER REMOVAL 12"	FOOT	28
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	2
60266600	VALVE BOXES TO BE ADJUSTED	EACH	3
60404800	FRAMES AND GRATES, TYPE 11	EACH	2
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
60500060	REMOVING INLETS	EACH	1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	205
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5
67100100	MORII IZATION	I SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% Federal 20% Village
			Roadway
			0005 Urban
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,627
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	7,529
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	36,282
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	332
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	624
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	5,725
70307160	TEMPORARY PAVEMENT MARKING - LINE 12" - TYPE IV TAPE	FOOT	166
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	312
* 72000100	SIGN PANEL - TYPE 1	SQ YD	34
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2
72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3
72400210	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	6
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	56
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,555
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,586

* INDICATES SPECIALTY ITEM



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SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	5
CONTRACT NO. 61M88				
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	CONSTRUCTION CODE
			80% Federal 20% Village
			Roadway
			0005 Urban
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	166
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	312
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	70
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	1
XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	40
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	66
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7
X4230720	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH (SPECIAL)	SQ YD	15
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)	SQ FT	2,776
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	39
X6064200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1,399
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	122

* INDICATES SPECIALTY ITEM



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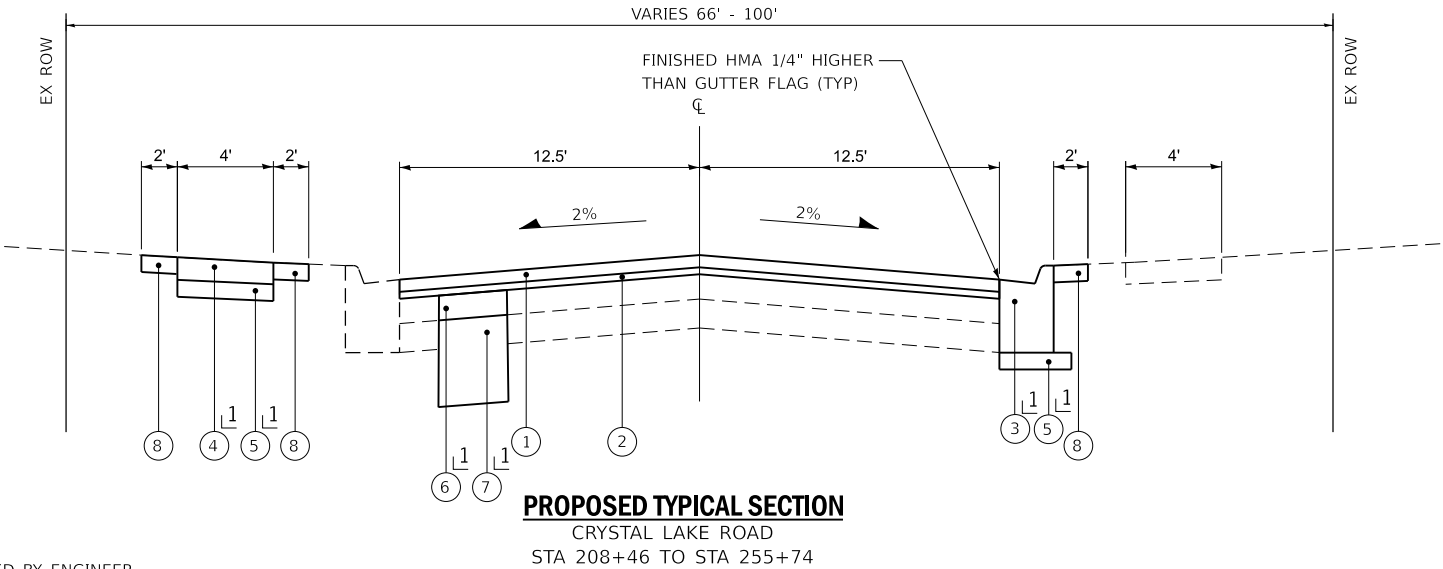
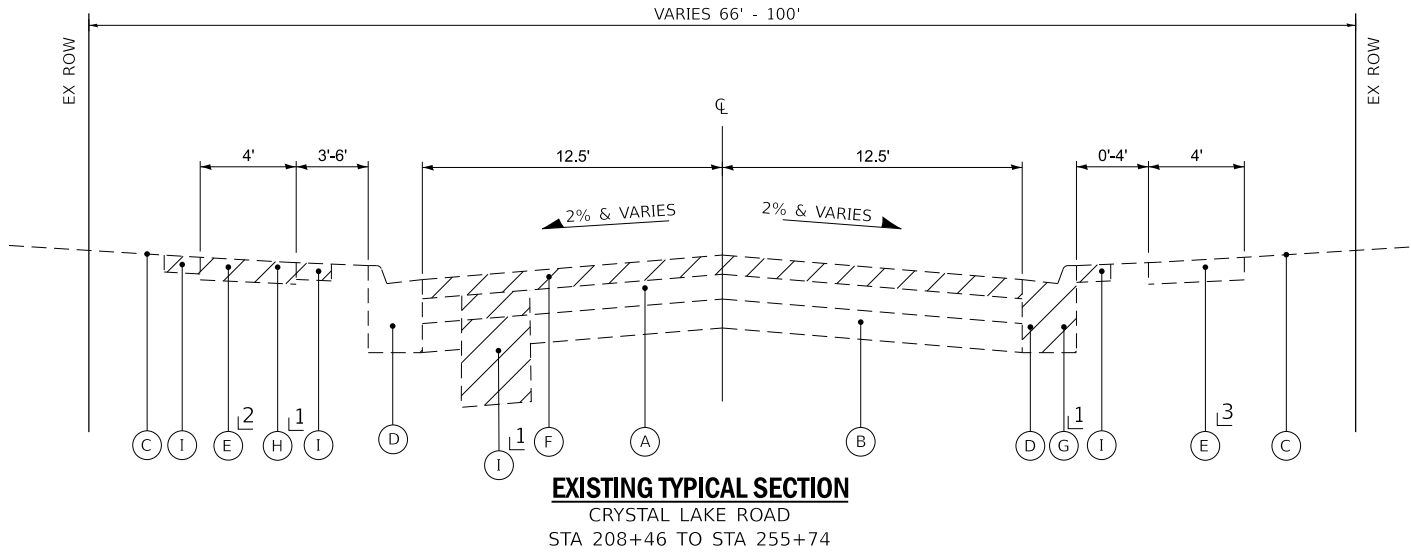
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	6
CONTRACT NO. 61M88				
ILLINOIS FED. AID PROJECT MMXM(446)				

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- 1 LOCATIONS DETERMINED BY ENGINEER
- 2 NO LT SIDEWALK FROM STA 240+50 TO 249+60
- 3 NO RT SIDEWALK FROM STA 249+60 TO 254+28

- EXISTING LEGEND**
- A EXISTING HMA BINDER & SURFACE COURSE (4.5" - 10")
 - B EXISTING AGGREGATE BASE COURSE (3.25" - 18.5")
 - C GROUND SURFACE
 - D EXISTING CONCRETE CURB AND GUTTER
 - E EXISTING SIDEWALK
 - F HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - G COMBINATION CURB AND GUTTER REMOVAL
 - H SIDEWALK REMOVAL
 - I REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
 - REMOVAL ITEM

- PROPOSED LEGEND**
- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"
 - 2 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50 - 3/4"
 - 3 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)
 - 4 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL)
 - 5 AGGREGATE BASE COURSE, TYPE B, 4"
 - 6 CLASS D PATCHES, 6 INCH
 - 7 AGGREGATE SUBGRADE IMPROVEMENT
 - 8 SODDING TOPSOIL FURNISH AND PLACE, 4"

NOTES:

CONTRACTOR SHALL MILL BEFORE PATCHING.

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION AND/OR AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAVE BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ABOVE ITEM WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS AND IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT CONTRACTOR EXPENSE.

LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE POLY HMA BINDER COURSE, IL-4.75, N50.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 Gyr.	LR1030-2
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; 3/4"	3.5% @ 50 Gyr.	LR1030-2
DRIVEWAYS (RESIDENTIAL) (HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 3" (IN 2 LIFTS)	4% @ 50 Gyr.	LR1030-2
DRIVEWAYS (COMMERCIAL) (HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT)		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 Gyr.	LR1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 4"	4% @ 50 Gyr.	LR1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19.0); 6"	4% @ 50 Gyr.	LR1030-2
QMP designation: Quality Control/Quality Assurance (QC/QA) PER LR1030-2		

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

BAXTER & WOODMAN
Consulting Engineers

USER NAME = cncgovern	DESIGNED - CPM	REVISED -
	DRAWN - MVV	REVISED -
PLOT SCALE = 20,000 ' / in.	CHECKED - JDM	REVISED -
PLOT DATE = 8/18/2026	DATE - 7/27/2026	REVISED -

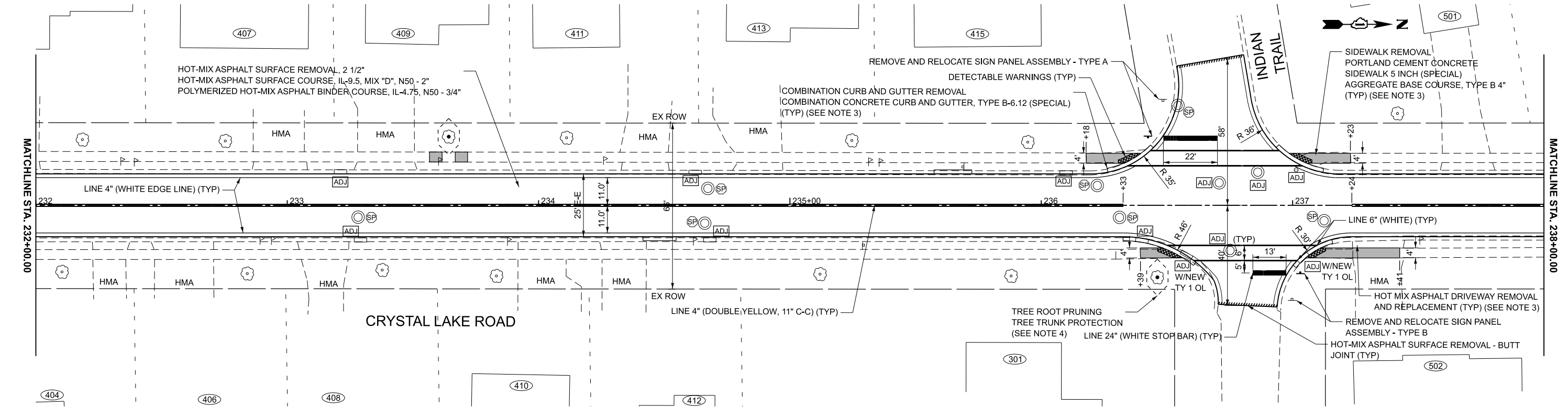
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS AND HOT-MIX
ASPHALT MIXTURE REQUIREMENTS

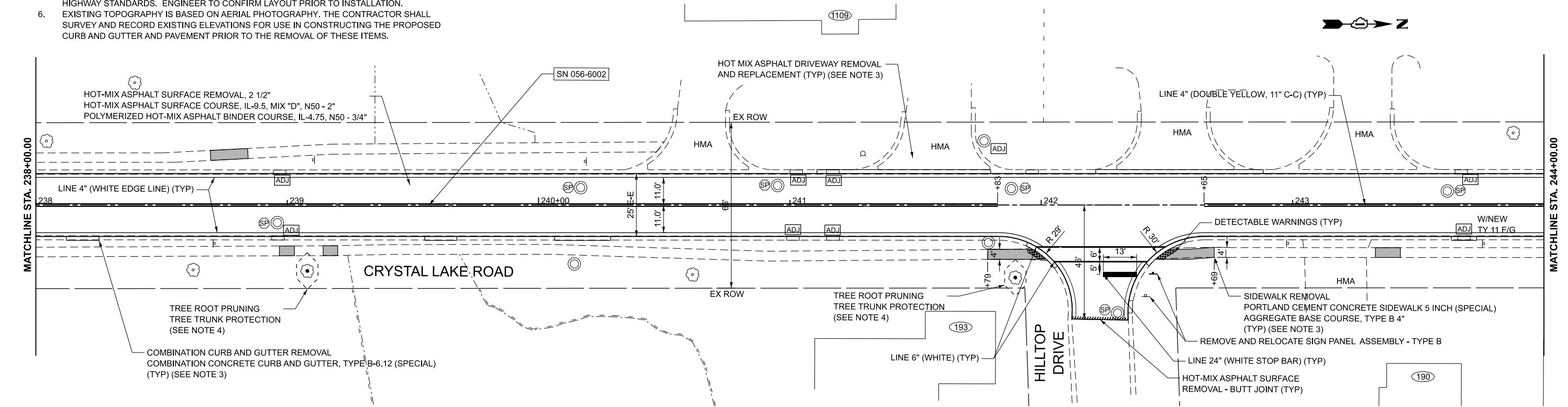
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	7
CONTRACT NO. 61M88				
ILLINOIS FED. AID PROJECT MMXM(446)				

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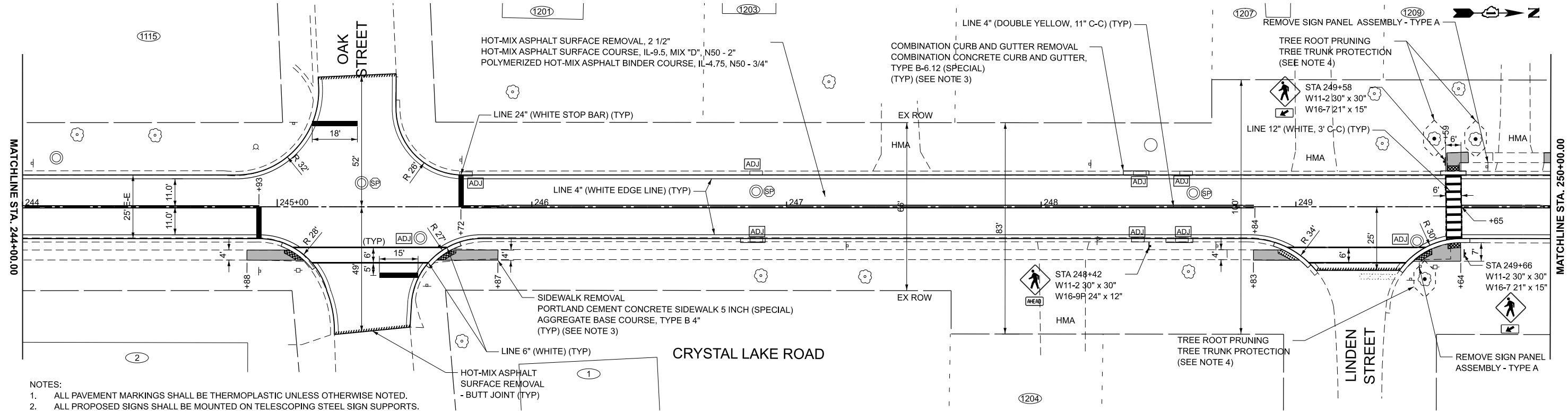


- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.
 3. SIDEWALK, DRIVEWAY, CURB AND GUTTER REMOVAL AND REPLACEMENT AND CLASS D PATCHING TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 4. TREE ROOT PRUNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING ADA RAMPS PER APPLICABLE IDOT HIGHWAY STANDARDS. ENGINEER TO CONFIRM LAYOUT PRIOR TO INSTALLATION.
 6. EXISTING TOPOGRAPHY IS BASED ON AERIAL PHOTOGRAPHY. THE CONTRACTOR SHALL SURVEY AND RECORD EXISTING ELEVATIONS FOR USE IN CONSTRUCTING THE PROPOSED CURB AND GUTTER AND PAVEMENT PRIOR TO THE REMOVAL OF THESE ITEMS.

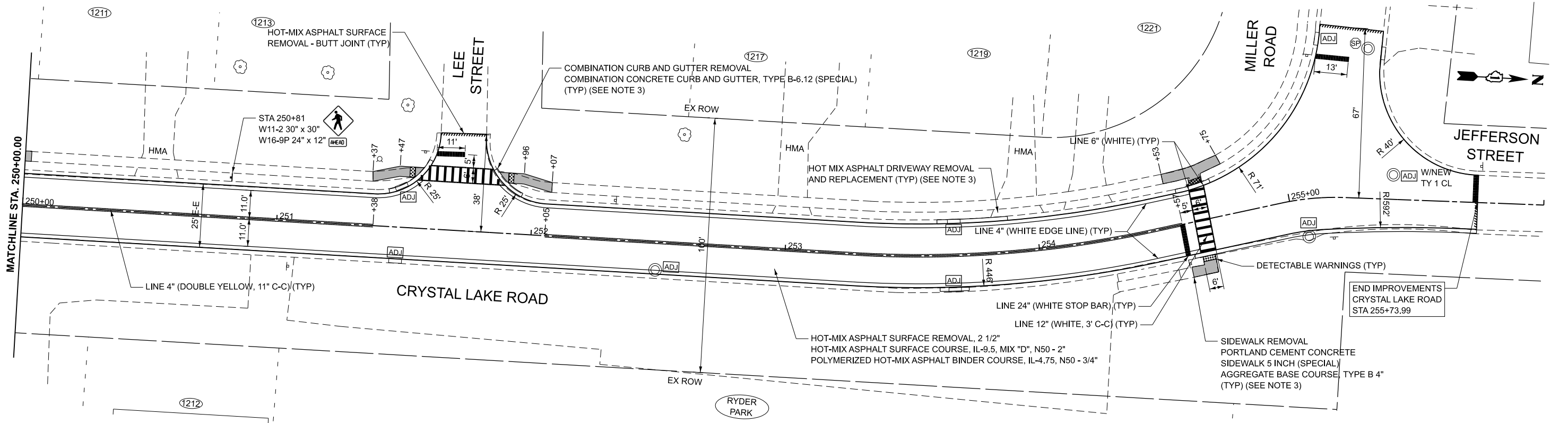


BAXTER & WOODMAN Consulting Engineers	USER NAME = cmcgovern	DESIGNED - CPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN CRYSTAL LAKE ROAD					F.A.U. RTE. 4038	SECTION 23-00045-00-R5	COUNTY McHENRY	TOTAL SHEETS 20	SHEET NO. 10
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	PLOT DATE = 8/18/2026	DATE = 7/27/2026	REVISED -											
						SCALE: 1"=20'	SHEET 3	OF 4 SHEETS	STA. 232+00.00	TO STA. 244+00.00	CONTRACT NO. 61M88			
										ILLINOIS FED. AID PROJECT MMXM(446)				

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- NOTES:
1. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESOPING STEEL SIGN SUPPORTS.
 3. SIDEWALK, DRIVEWAY, CURB AND GUTTER REMOVAL AND REPLACEMENT AND CLASS D PATCHING TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 4. TREE ROOT PRUNING AND TREE TRUNK PROTECTION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 5. CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING ADA RAMPS PER APPLICABLE IDOT HIGHWAY STANDARDS. ENGINEER TO CONFIRM LAYOUT PRIOR TO INSTALLATION.
 6. EXISTING TOPOGRAPHY IS BASED ON AERIAL PHOTOGRAPHY. THE CONTRACTOR SHALL SURVEY AND RECORD EXISTING ELEVATIONS FOR USE IN CONSTRUCTING THE PROPOSED CURB AND GUTTER AND PAVEMENT PRIOR TO THE REMOVAL OF THESE ITEMS.



BAXTER & WOODMAN
Consulting Engineers

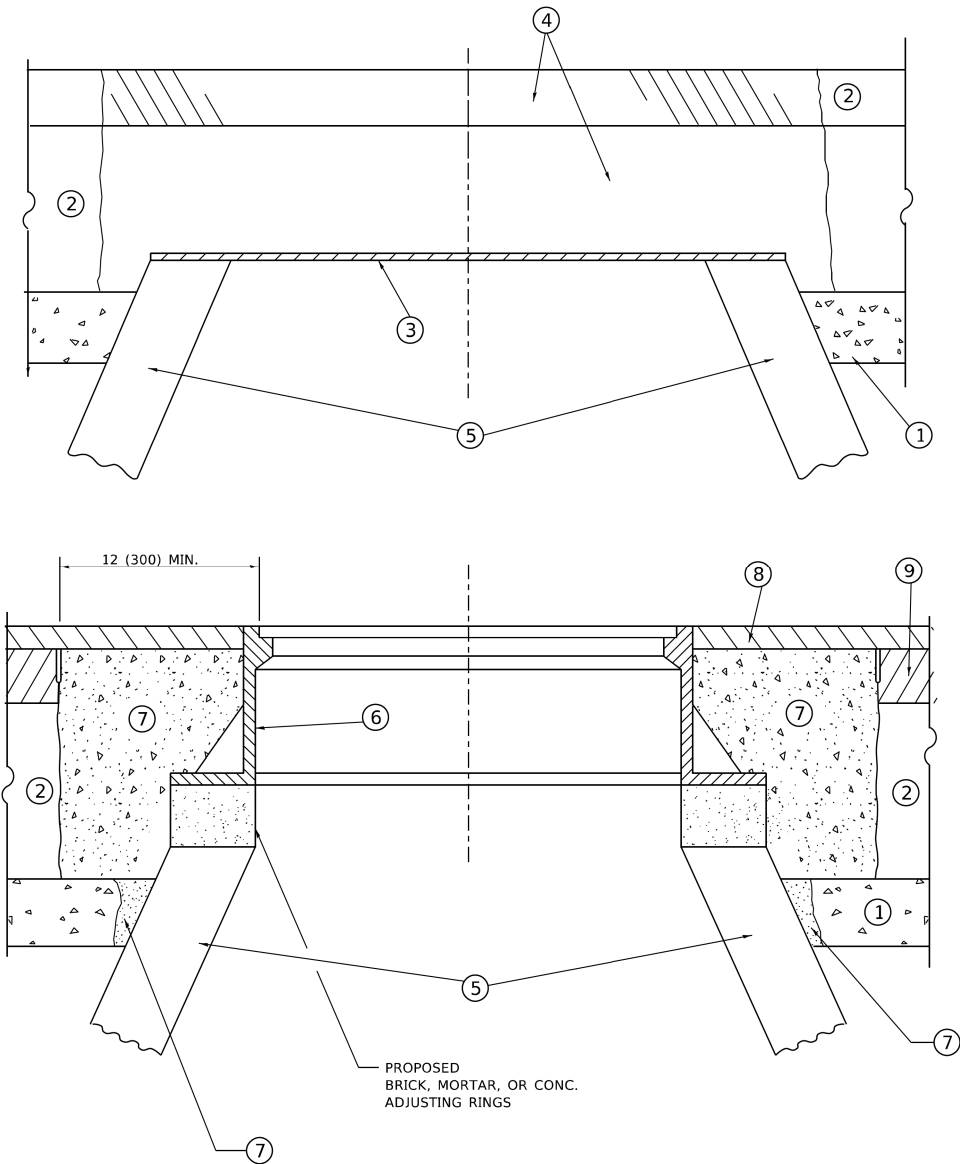
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PLOT DATE =	8/18/2026	DATE -	7/27/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
CRYSTAL LAKE ROAD

SCALE: 1"=20' SHEET 4 OF 4 SHEETS STA. 244+00.00 TO STA. 256+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	11
CONTRACT NO. 61M88				
ILLINOIS FED. AID PROJECT MMXM(446)				



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

1. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
2. IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
3. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
4. THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
5. THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

1. REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
2. THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
3. NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
4. WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL Default
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USER NAME = Lawrence,DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 03-09-11
	DRAWN -	REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. SMITH 11-18-22
PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

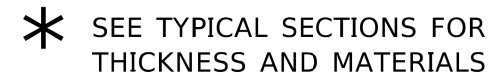
**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	13
BD600-03 (BD-08)		CONTRACT NO. 61M88		
ILLINOIS		FED. AID PROJECT MMXM(446)		

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."

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.

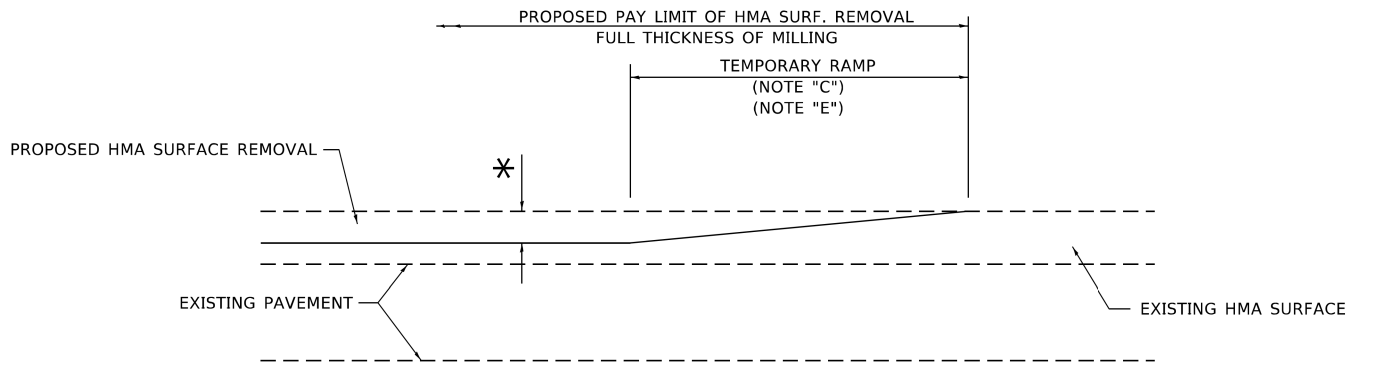


1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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.

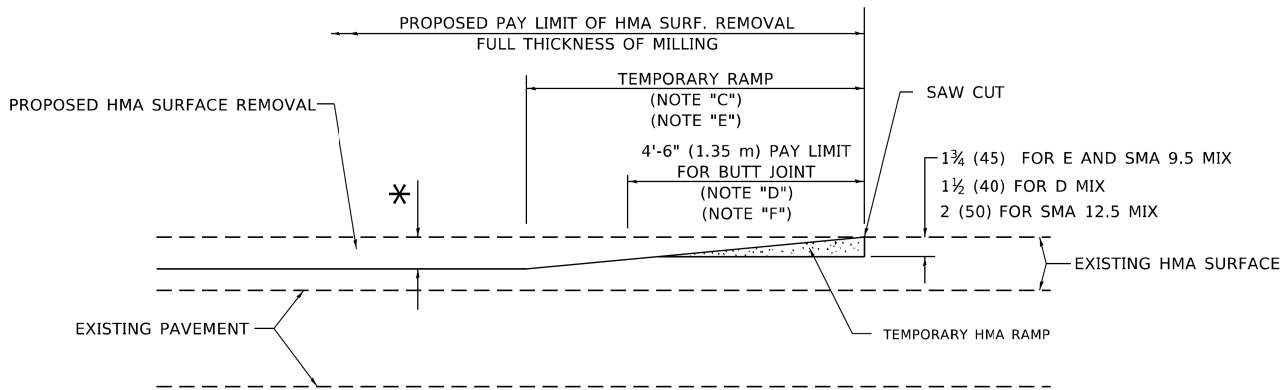
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME: D:\PROJECTS\2024\11-18-22\11-18-22.DWG	USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 09-04-07						4038	23-00045-00-RS	McHENRY	20	14
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08		BD400-04 (BD-22)				CONTRACT NO. 61M88				
	PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22										
					SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT MMXM(446)		



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

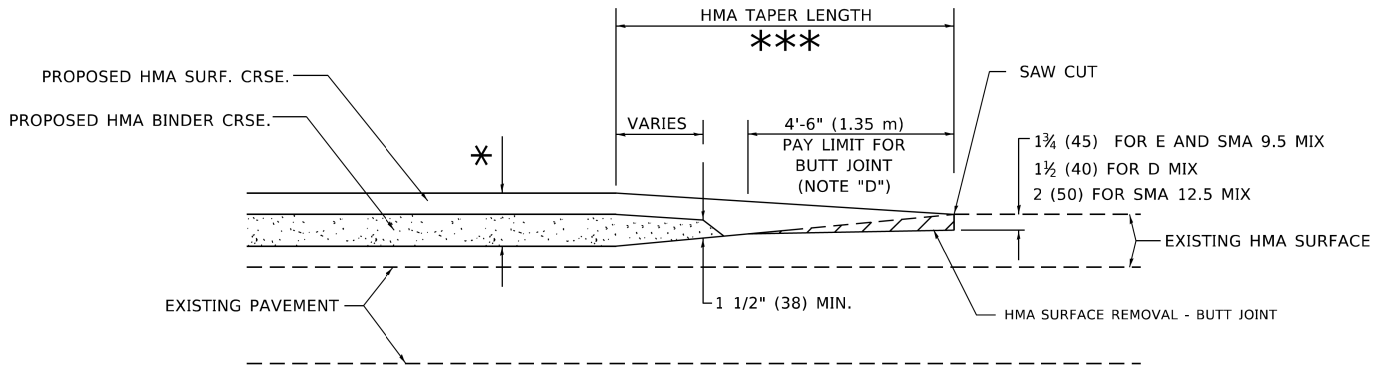
OPTION 1



HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

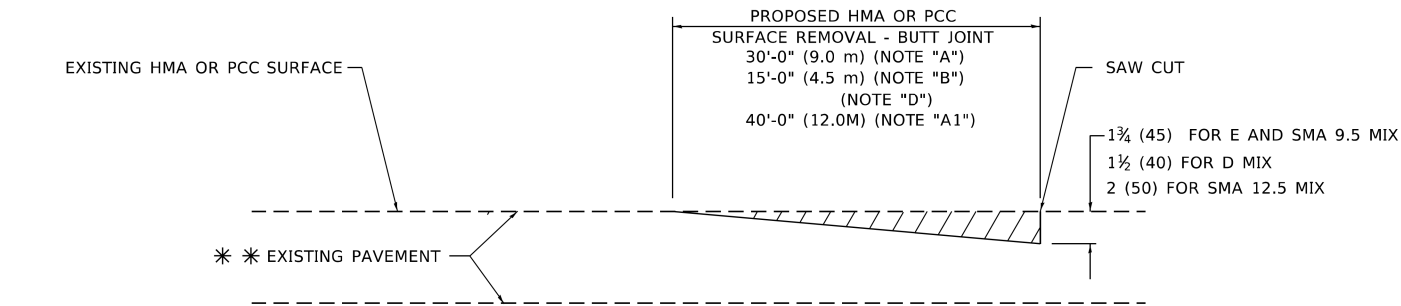
OPTION 2

TYPICAL TEMPORARY RAMP

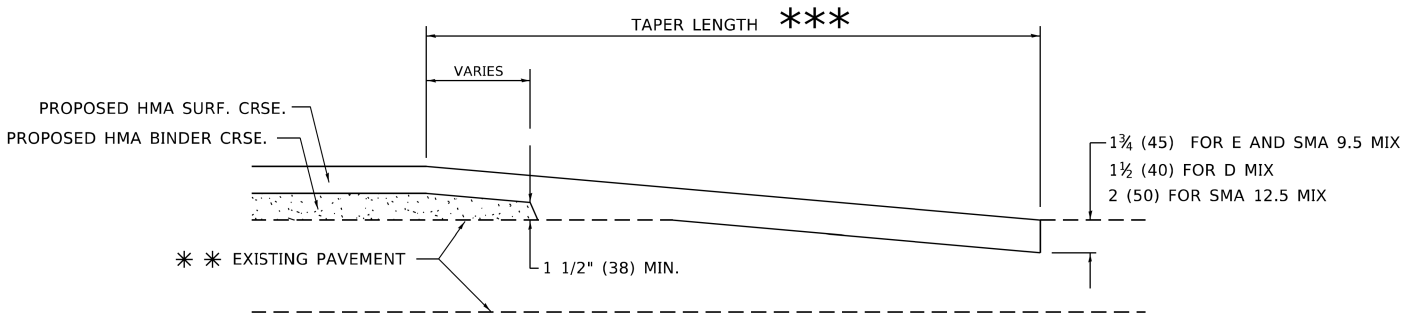


**BUTT JOINT AND
HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



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.

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

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USER NAME = Lawrence,DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	15
BD400-05 BD-32		CONTRACT NO. 61M88		
ILLINOIS		FED. AID PROJECT MMXM(446)		

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		DRAWN	-		REVISED	-	A. SCHUETZE	07-01-13
PLOT SCALE	= 100.0000' / in.	CHECKED	-		REVISED	-	A. SCHUETZE	09-15-16
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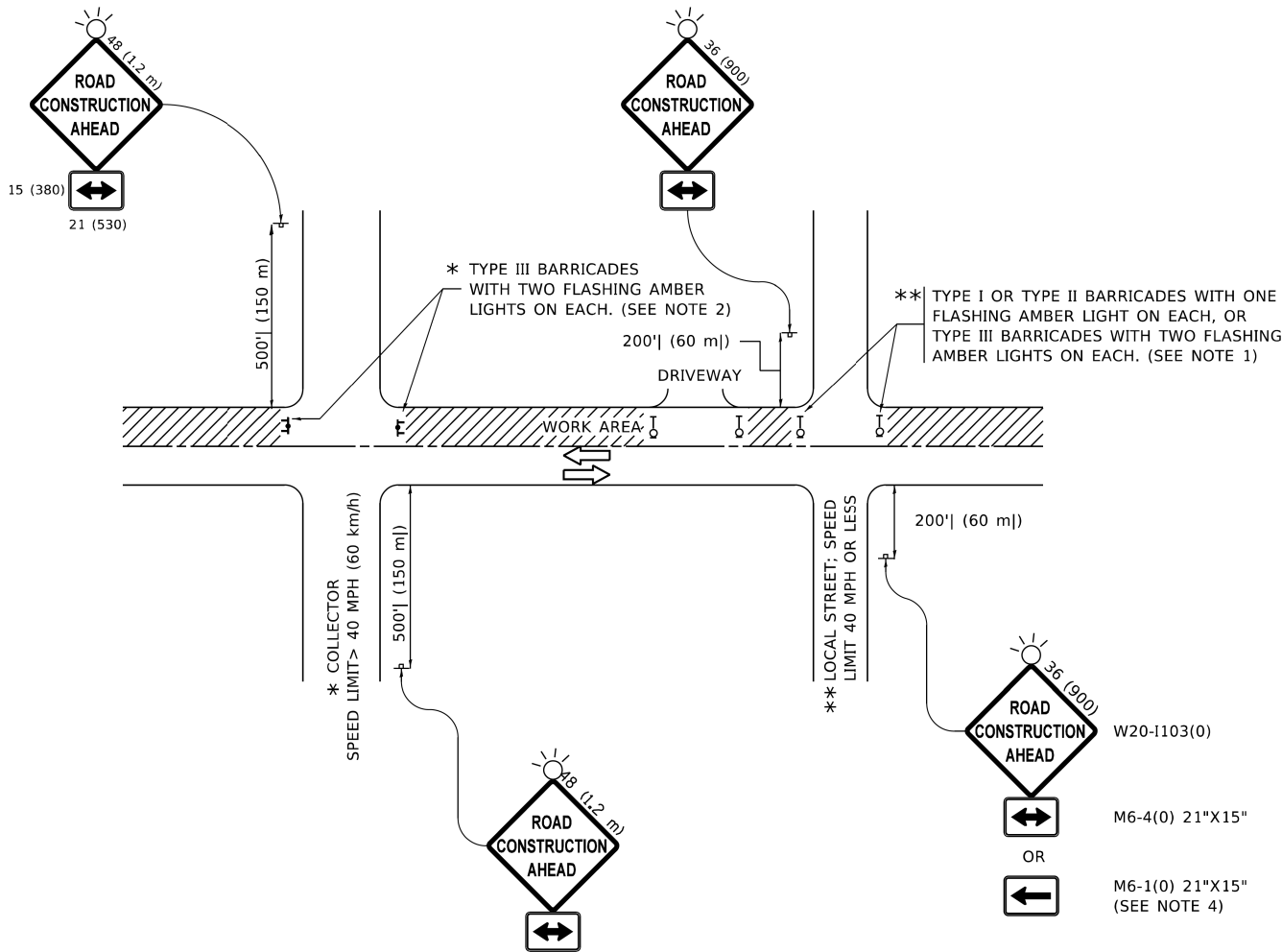
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

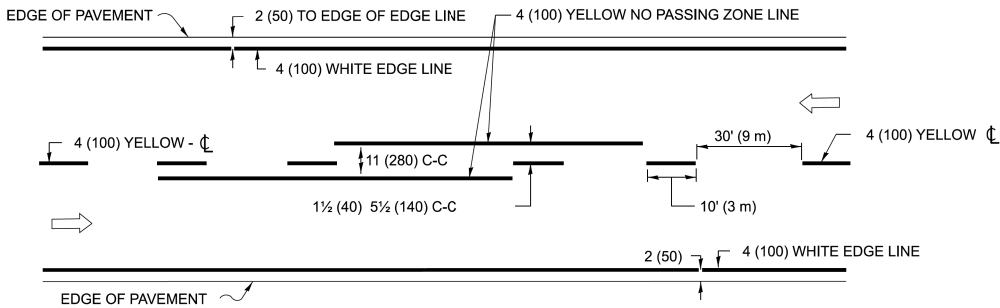
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ILLINOIS		FED. AID PROJECT MMXM(446)		

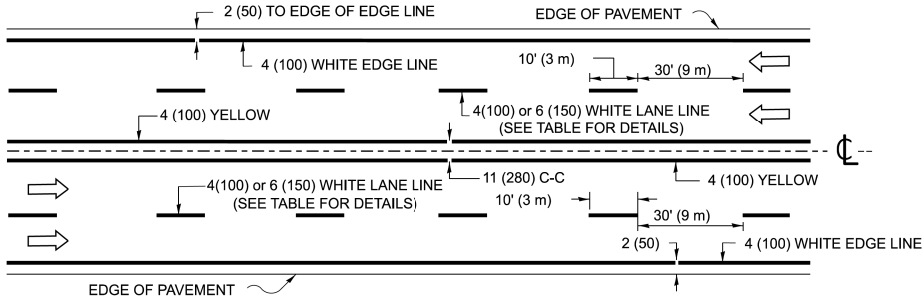


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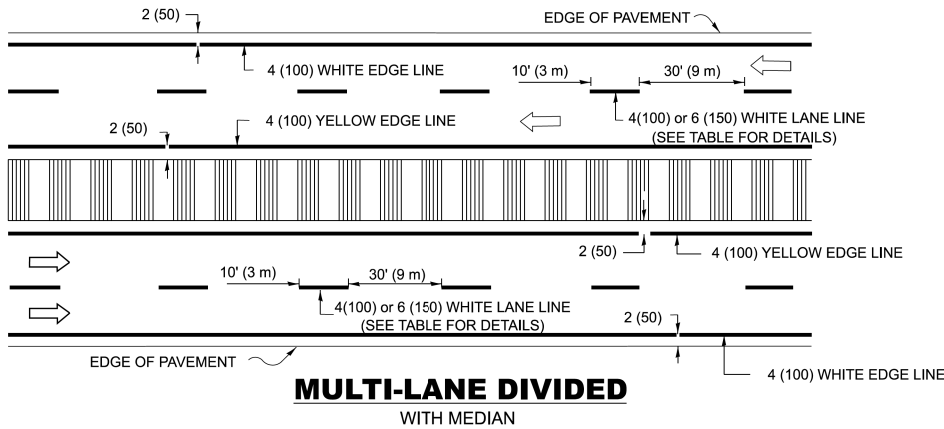
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
- SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



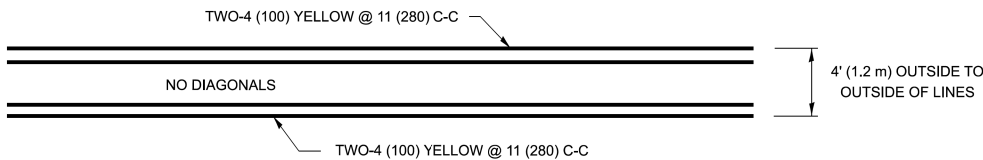
2-LANE ROADWAY



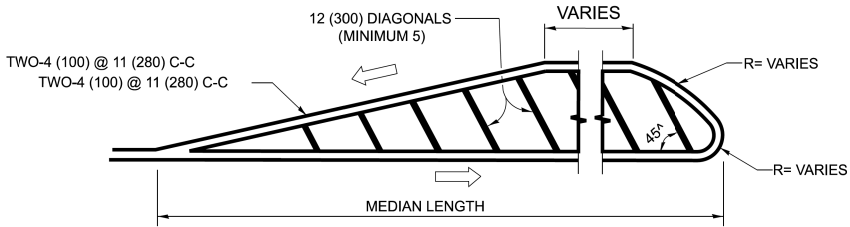
MULTI-LANE UNDIVIDED



TYPICAL LANE AND EDGE LINE MARKING



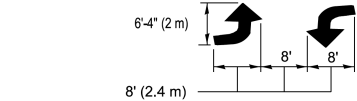
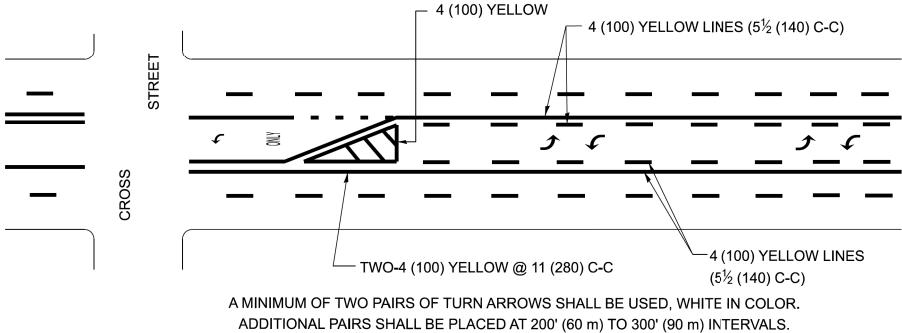
4' (1.2 m) WIDE MEDIANS ONLY



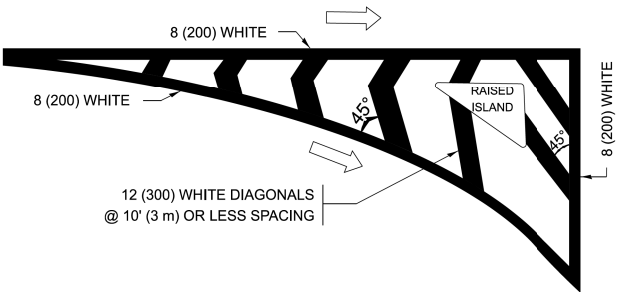
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 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))

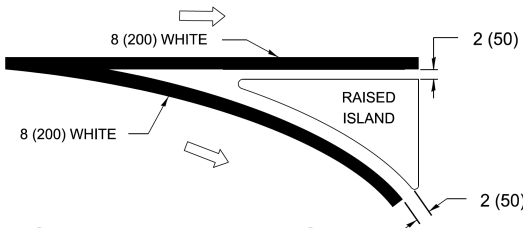
MEDIANS OVER 4' (1.2 m) WIDE



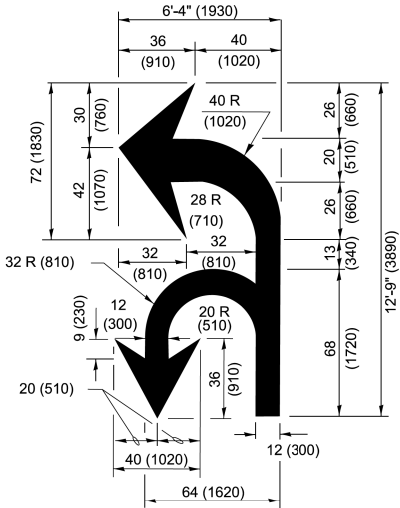
MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING



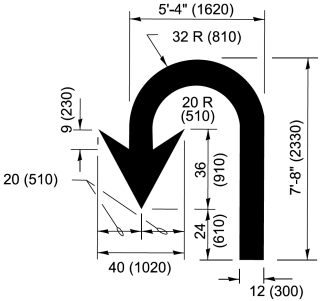
ISLAND OFFSET FROM PAVEMENT EDGE



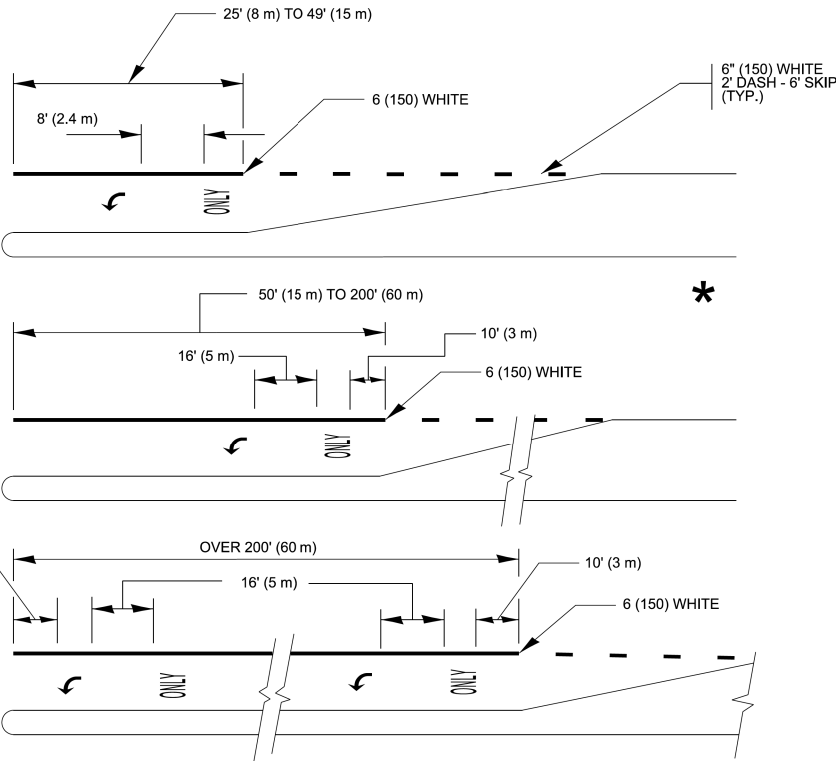
ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING



COMBINATION
LEFT AND U-TURN



U-TURN



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 MARKING

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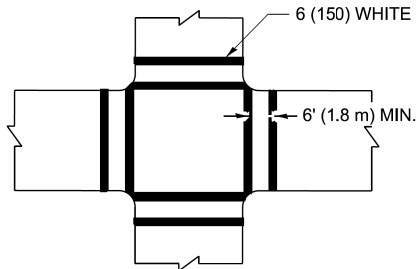
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	DRAWN -	REVISED - C. JUCIUS 12-21-15
PLOT SCALE = 0.08333317' / in.	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 6/29/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

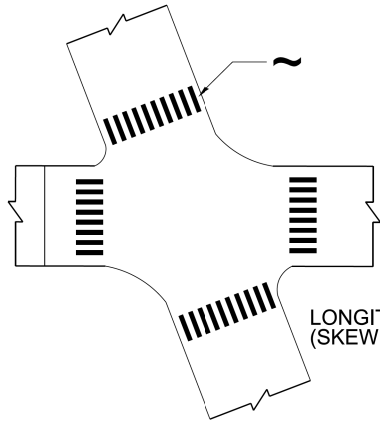
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

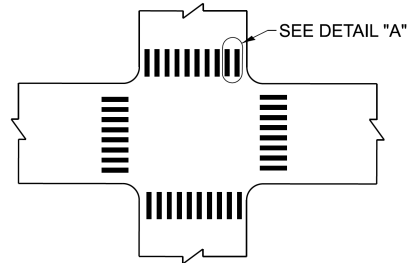
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-RS	McHENRY	20	17
TC-13A		CONTRACT NO. 61M88		
ILLINOIS		FED. AID PROJECT	MMXM(446)	



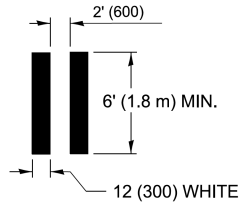
TRANSVERSE CROSSWALK



LONGITUDINAL CROSSWALK
(SKEWED INTERSECTION)



LONGITUDINAL CROSSWALK

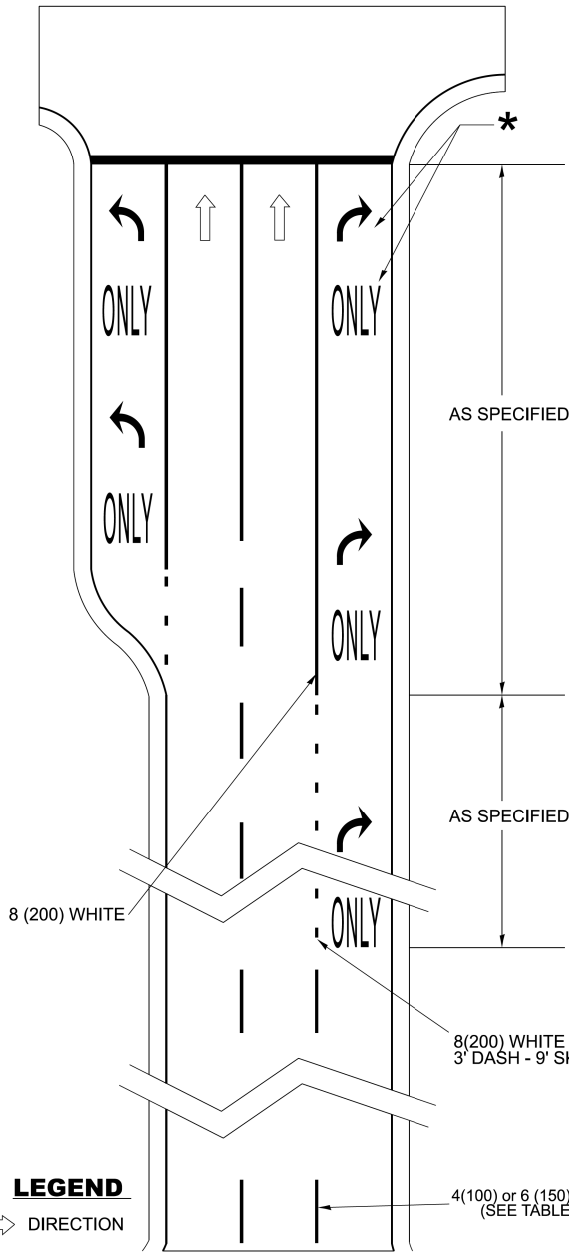


DETAIL "A"

TYPICAL CROSSWALK MARKING

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

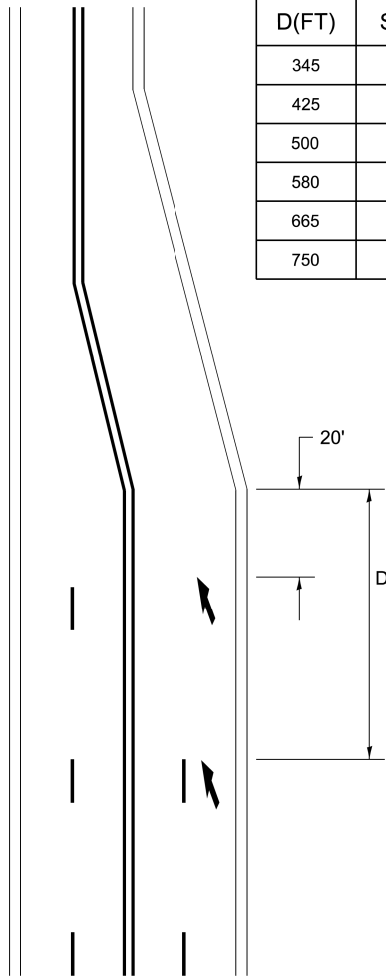
~ THE INDIVIDUAL LONGITUDINAL ELEMENTS OF A LONGITUDINAL BAR CROSSWALK SHOULD BE ANGLED SUCH THAT THEY ARE PARALLEL TO THE TRAVEL PATH OF APPROACHING TRAFFIC



ARTERIAL ROAD LANE-DROP MARKINGS

* FOLLOW TYPICAL TURN LANE MARKINGS FOR PLACEMENT AND SIZE DETAILS OF 'ARROW' AND 'ONLY' MARKINGS IN THE TURN LANE.

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



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	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES FOR SPEED LIMIT <= 45 MPH LANE LINES FOR SPEED LIMIT > 45 MPH	4 (100) 6 (150)	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (TYPICAL FOR EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS, EXCEPT AT LANE-DROP MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (0.60m) 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
TRANSVERSE CROSSWALK LONGITUDINAL BARS CROSSWALK	2 @ 6 (150) 12 (300) @ 90°	SOLID SOLID	WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART AND PARALLEL TO TRAFFIC FLOW SEE TYPICAL CROSSWALK MARKING DETAIL 'A'.
STOP LINES	24 (600)	SOLID	WHITE	PLACE MINIMUM 4' (1.2 m) IN ADVANCE OF CROSSWALK IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. NO MORE THAN 30' (9.1 m) OR LESS THAN 4' (1.2 m) FROM NEAREST EDGE OF INTERSECTING TRAVELED WAY.
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, TC 23 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
ARTERIAL LANE-DROP MARKINGS DOTTED LINES FOR LANE-DROP TURN LANE MARKINGS	8 (200) 8 (200)	SKIP - DASH SOLID	WHITE WHITE	3' (0.91 m) LINE WITH 9' (2.74 m) SPACE

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.

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	DRAWN - C. JUCIUS 12-21-15	REVISED - C. JUCIUS 12-21-15
	CHECKED -	REVISED - C. JUCIUS 04-12-16
PLOT DATE = 6/29/2026	DATE - 03-19-90	REVISED - K. KANNAN-HOSADURGA 06-29-26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-R5	McHENRY	20	18
TC-13B		CONTRACT NO. 61M88		
ILLINOIS		FED. AID PROJECT	MMXM(446)	

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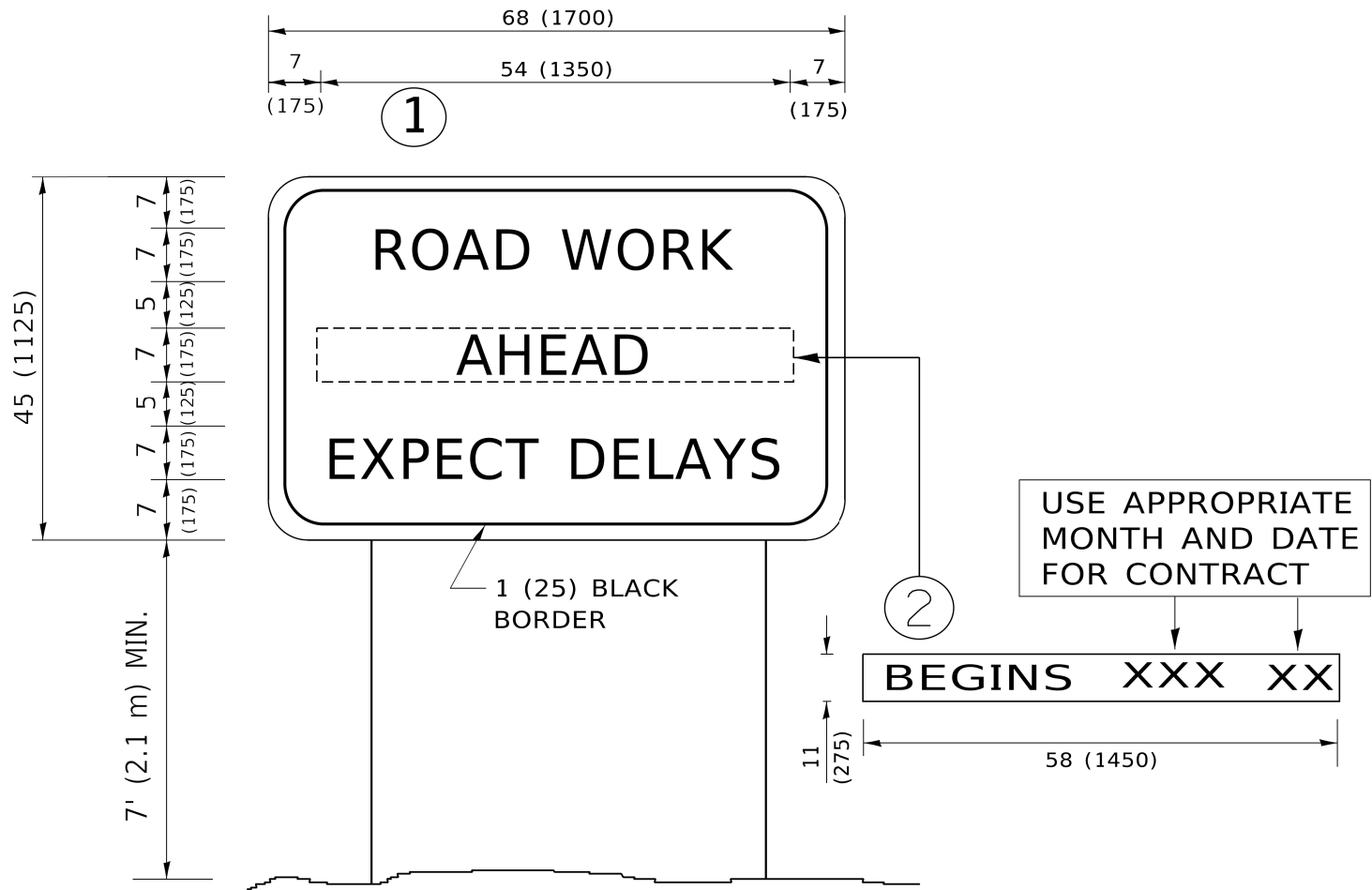
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		DRAWN -	REVISED - R. MIRS 12-11-97
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	PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

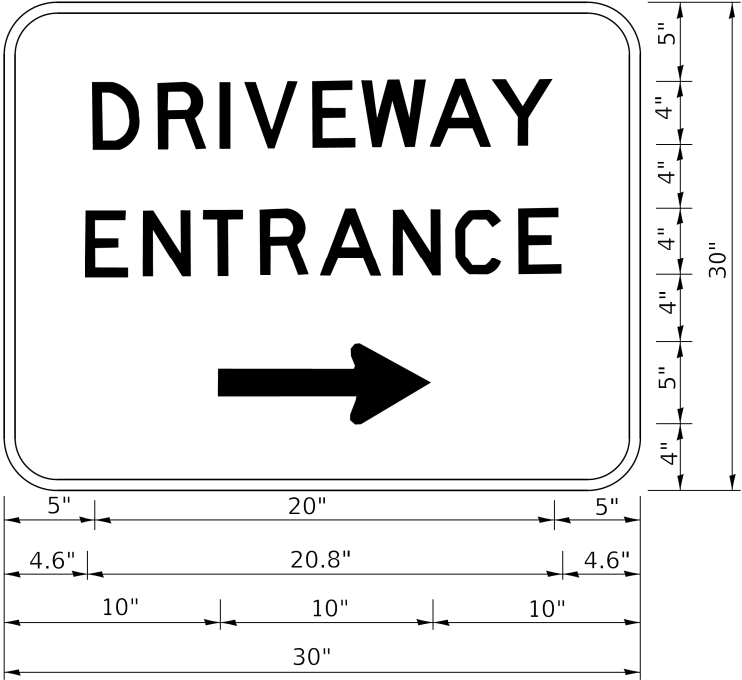
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4038	23-00045-00-RS	McHENRY	20	19
TC-22		CONTRACT NO. 61M88		
ILLINOIS		FED. AID PROJECT MMXM(446)		



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.



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".

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	PLOT DATE = 8/6/2021	DATE -	REVISED -		SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT MMXM(446)		