

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	1
ILLINOIS CONTRACT NO. 61H53				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGE OF BULL VALLEY AND NUNDA TOWNSHIP

01-21-2022 LETTING ITEM 071

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

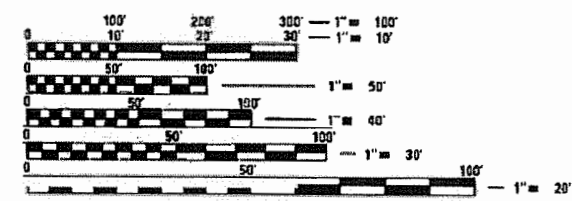
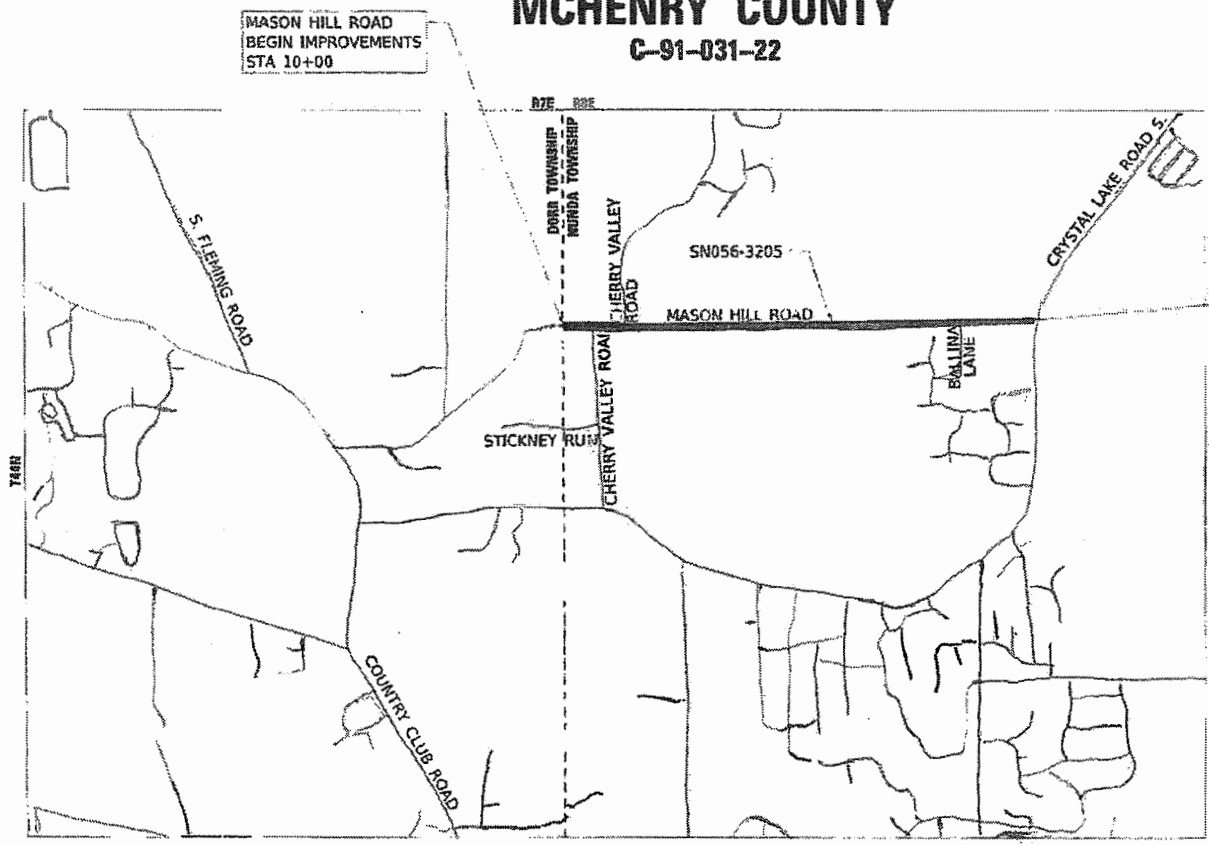
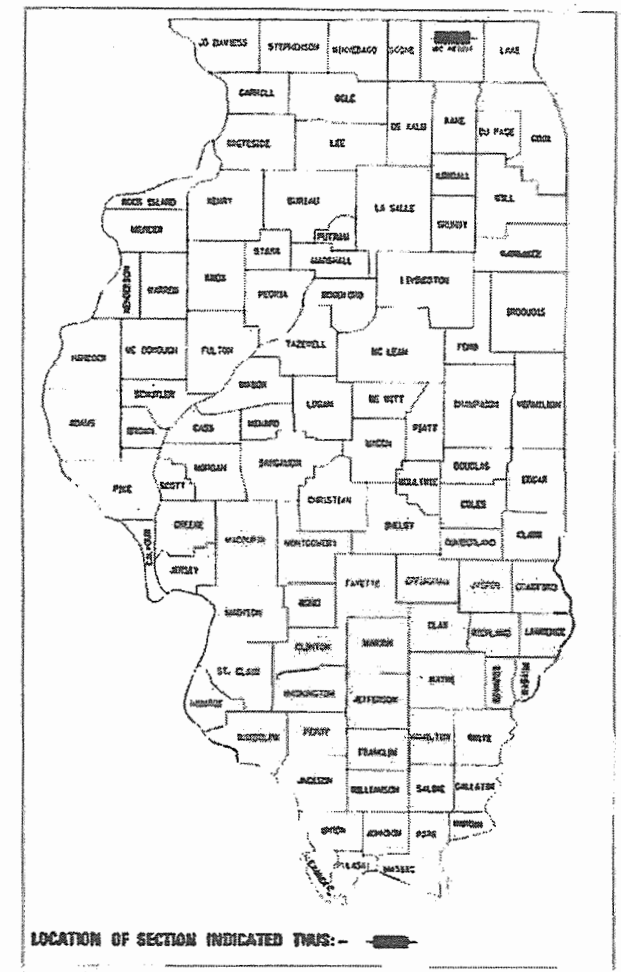
TR 143 (MASON HILL ROAD)
VILLAGE LIMITS
(650 FT WEST OF CHERRY VALLEY ROAD)
TO CRYSTAL LAKE ROAD
RESURFACING
SECTION: 20-00008-00-RS
PROJECT: S49M(189)
VILLAGE OF BULL VALLEY
MCHENRY COUNTY
C-91-031-22

TRAFFIC DATA

MASON HILL ROAD
POSTED SPEED LIMIT: 50 MPH
2017 ADT = 3,100

FUNCTIONAL CLASSIFICATION

MINOR 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.

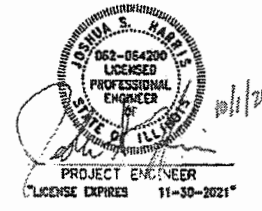
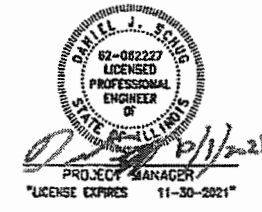
J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A3111244



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = MCHENRY
CITY-TOWNSHIP = BULL VALLEY - NUNDA
SEC. & 1/4 SEC. NO. = S12 T44N R7E, S7,8 T44N R8E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61H53

LOCATION MAP
GROSS LENGTH = 10,530 FT. = 2.0 MILE
NET LENGTH = 10,530 FT. = 2.0 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: *Emily Berendt*
EMILY BERENDT, PRESIDENT
VILLAGE OF BULL VALLEY REPRESENTATIVE

PASSED: *4064/2021*
C.A. Riedel
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW: *NOVEMBER 8, 2021*
Joe Fied
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

B&W PROJECT NO.: 191518 DATE: 09-27-2021

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHRAMBURG, IL

INDEX OF SHEETS

HIGHWAY STANDARDS

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20	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT (BD-22)
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25	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
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000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY 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
701336-07	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
B.L.R. 24-2	MAILBOX TURNOUT FOR LOCAL ROADS

DISTRICT DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT
BD-32	BUTT JOINT AND HMA TAPER DETAILS
TC-10	TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
TC-11	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
TC-13	DISTRICT 1 TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	ARTERIAL ROAD INFORMATION SIGN

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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 jharris
 FILE NAME: I:\Crystal Lake\BULLV191518-Mason Hill Road Ph.11CAD\Sheets\191518SHT-GenNotes.dgn



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PLOT DATE = 11/3/2021		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND HIGHWAY STANDARDS	
SCALE: NONE	SHEET 1 OF 2 SHEETS STA. TO STA.

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	2
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

1. 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 JANUARY 1, 2022 VERSION OF "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE JANUARY 1, 2022 VERSION OF THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE 2009 VERSION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE 2019 VERSION OF THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE 8TH EDITION OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
2. 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 ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOTIFY THE VILLAGE CLERK (TELEPHONE NO. 815-459-4833) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER AND THE VILLAGE ADMINISTRATOR.
4. 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.
5. ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
6. THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
7. ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
8. 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.
9. ALL CULVERTS AND FLARED END SECTIONS SHALL BE METAL.
10. TRENCH BACKFILL FOR THIS PROJECT SHALL CONSIST OF CRUSHED MATERIAL AND SHALL BE COMPACTED BY METHOD 1 ONLY.
11. ON RURAL PAVEMENTS BEING RESURFACED THAT DO NOT HAVE A PAVED SHOULDER, MAILBOX TURNOUTS SHALL BE PROVIDED AT EACH EXISTING MAILBOX FOR THE FULL WIDTH OF THE SHOULDER UP TO 6 INCHES FROM THE FACE OF THE EXISTING MAILBOX. MAILBOX TURNOUTS SHALL BE AT LEAST 2 INCHES THICK.
12. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND SHALL NOT EXCEED 1 INCH WHERE THE SPEED LIMIT IS OVER 45 MPH. A MAXIMUM GRADE DIFFERENCE OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V: H), AS DETERMINED BY THE ENGINEER.
13. ALL EXISTING SIGNS TO BE REMOVED SHALL BE DELIVERED TO VILLAGE HALL (1904 S CHERRY VALLEY ROAD BULL VALLEY, IL). ALL DROP OFFS SHALL BE COORDINATED WITH THE ENGINEER AND VILLAGE PRIOR TO DELIVERY.
14. THE TIME THAT THE AGGREGATE BASE COURSE IS EXPOSED SHALL BE LIMITED TO 24 HOURS.
15. DELINEATORS SHALL BE USED TO MARK THE LOCATION OF FLARED END SECTIONS.
16. PRIOR TO ORDERING ANY MATERIALS, THE CONTRACTOR SHALL FIELD VERIFY PIPE CULVERT LENGTHS.

MAINTENANCE OF TRAFFIC NOTES

1. 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.
2. 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.
3. ACCESS FOR MASON HILL ROAD LOCAL TRAFFIC, MAIL SERVICE, GARBAGE SERVICE AND EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.

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	DRAWN MJO	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 2 OF 2 SHEETS		STA. TO STA.		TR	SECTION	COUNTY	TOTAL	SHEET
						RTE.			SHEETS	NO.
						143	20-0008-00-R5	MCHENRY	26	3
						CONTRACT NO. 61H53				
						ILLINOIS FED. AID PROJECT				

GENERAL NOTES

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY	
				0005	URBAN
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	785	785	
20800150	TRENCH BACKFILL	CU YD	46	46	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,205	1,205	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	60	60	
21400100	GRADING AND SHAPING DITCHES	FOOT	800	800	
25000312	SEEDING, CLASS 4A	ACRE	0.25	0.25	
25100630	EROSION CONTROL BLANKET	SQ YD	1,210	1,210	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
25200200	SUPPLEMENTAL WATERING	UNIT	8	8	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25	25	
# 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	785	785	
# 35800100	PREPARATION OF BASE	SQ YD	9,349	9,349	
35800200	AGGREGATE BASE REPAIR	TON	515	515	

* INDICATES SPECIALTY ITEM
 # INDICATES SPECIAL PROVISION
 S INDICATES CONSTRUCTION CODE 0042 TRAINEES

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY	
				0005	URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,843	9,843	
# 40600370	LONGITUDINAL JOINT SEALANT	FOOT	10,530	10,530	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	543	543	
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,939	3,939	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	2,567	2,567	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	45	45	
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	17,197	17,197	
44000165	HOT-MIX ASPHALT SURFACE REMOVAL, 4"	SQ YD	9,349	9,349	
44201701	CLASS D PATCHES, TYPE I, 5 INCH	SQ YD	104	104	
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	155	155	
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	258	258	
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SQ YD	516	516	
44201725	CLASS D PATCHES, TYPE I, 7 INCH	SQ YD	138	138	
44201729	CLASS D PATCHES, TYPE II, 7 INCH	SQ YD	207	207	

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PLOT DATE = 11/16/2021	CHECKED DJS	REVISED -
	DATE - 09-27-2021	FILE - 191518SHT-SOQ.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	4
				CONTRACT NO. 61H53
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY 0005 URBAN	
44201733	CLASS D PATCHES, TYPE III, 7 INCH	SQ YD	344	344	
44201735	CLASS D PATCHES, TYPE IV, 7 INCH	SQ YD	688	688	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	447	447	
50105220	PIPE CULVERT REMOVAL	FOOT	171	171	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	126	126	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	45	45	
54262715	METAL FLARED END SECTIONS 15"	EACH	6	6	
54262718	METAL FLARED END SECTIONS 18"	EACH	2	2	
59000200	EPOXY CRACK INJECTION	FOOT	10	10	
* 63500105	DELINEATORS	EACH	8	8	
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	891	891	
66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
* # 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	1	
* # 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	1	
* # 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	5	5	

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	
				ROADWAY 0005 URBAN	
# 67100100	MOBILIZATION	LSUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	LSUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3,159	3,159	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,053	1,053	
* 72000100	SIGN PANEL - TYPE 1	SQ FT	273	273	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17	17	
* 72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2	
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2	
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	813	813	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	73	73	
* 78000200	THERMOPLASTIC PAVEMENT MARKING, LINE - 4"	FOOT	33,810	33,810	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	274	274	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	5
				CONTRACT NO. 61H53
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FED 20% LOCAL	ROADWAY 0005 URBAN
* 78000650	THERMOPLASTIC PAVEMENT MARKING, LINE - 24"	FOOT	18	18	
# X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	100	100	
# X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	16	16	
# X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	10	10	
# X4023000	TEMPORARY ACCESS (ROAD)	EACH	5	5	
*# X7810300	RECESSED REFLECTIVE PAVEMENT MARKERS	EACH	179	179	
*# Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	15	15	
Z0019600	DUST CONTROL WATERING	UNIT	3	3	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	129	129	
S# Z0076600	TRAINEES	HOUR	500	500	
S# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	

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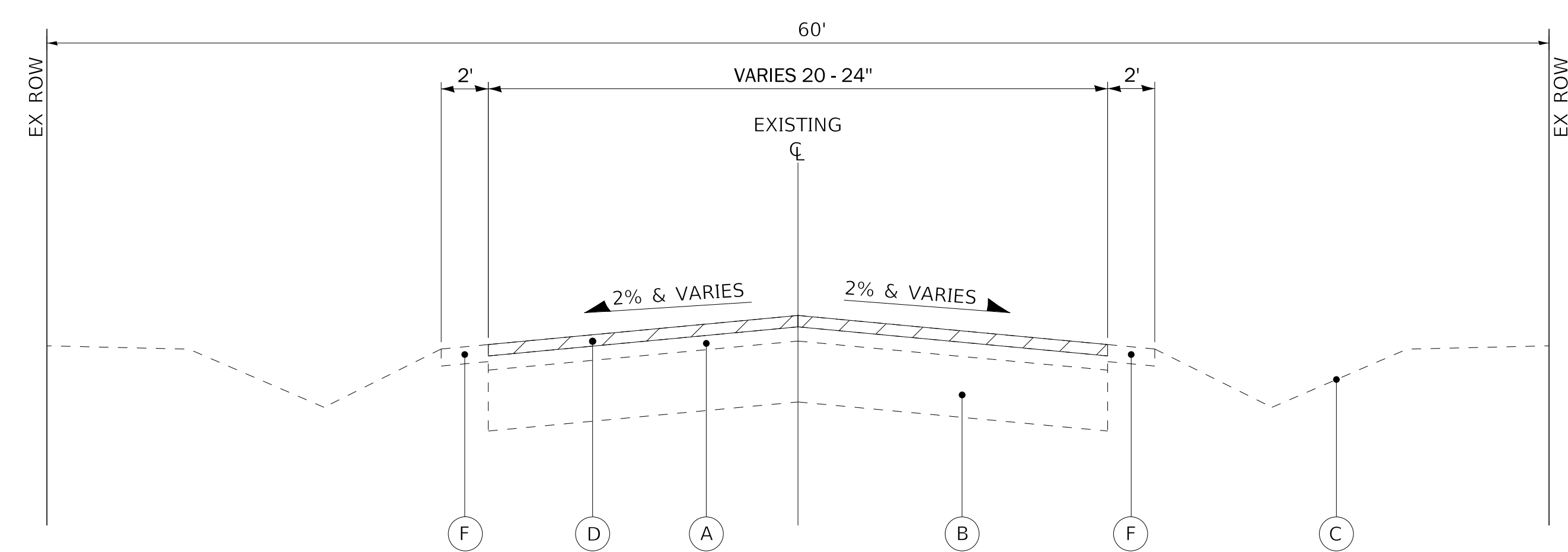
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STATE OF ILLINOIS
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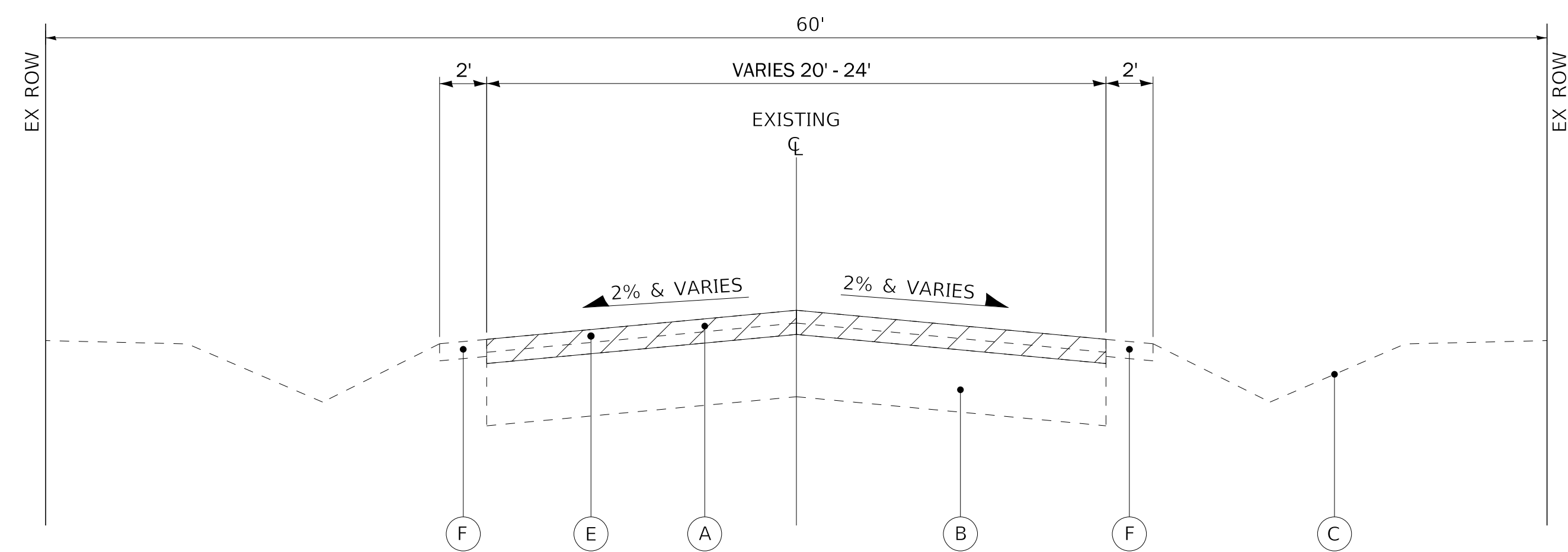
SUMMARY OF QUANTITIES		TR	SECTION	COUNTY	TOTAL	SHEET
		RTE.			SHEETS	NO.
SCALE:	SHEET 3 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

143	20-00008-00-R5	MCHENRY	26	6
CONTRACT NO. 61H53				

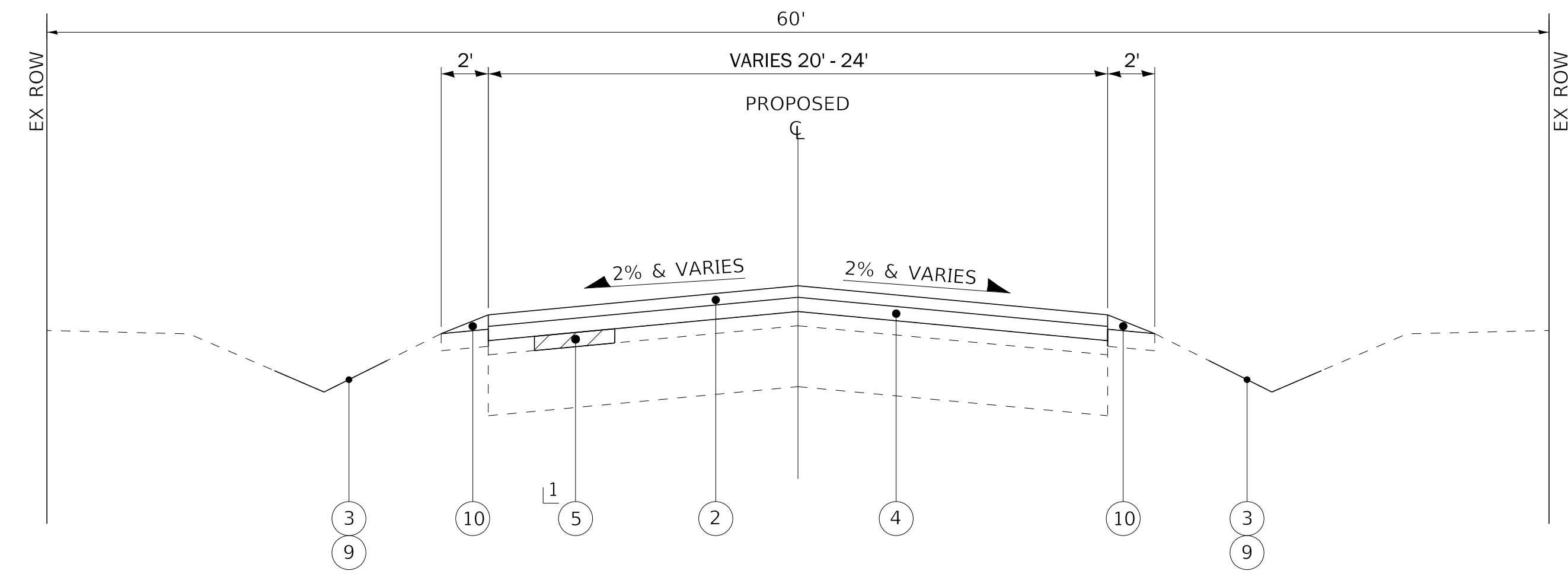
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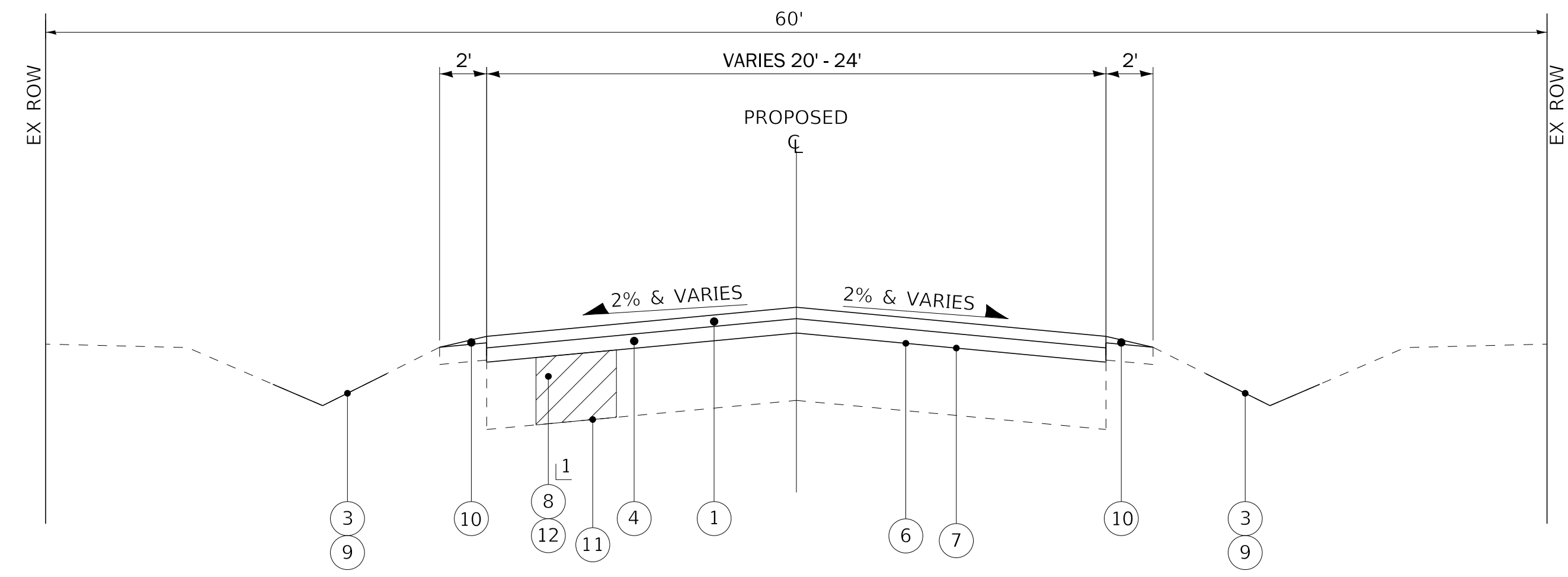
EXISTING TYPICAL SECTION
 MASON HILL ROAD
 STA 10+00 to STA 75+53
 STA 113+00 to STA 115+30



EXISTING TYPICAL SECTION
 MASON HILL ROAD
 STA 75+53 to STA 113+00



PROPOSED TYPICAL SECTION
 MASON HILL ROAD
 STA 10+00 to STA 75+53
 STA 113+00 to STA 115+30
 1 AS DETERMINED BY ENGINEER



PROPOSED TYPICAL SECTION
 MASON HILL ROAD
 STA 75+53 to STA 113+00
 1 AS DETERMINED BY ENGINEER

EXISTING PAVEMENT THICKNESS TABLE

STA	EXISTING HMA PAVEMENT	EXISTING AGGREGATE BASE
10+00	6.5"	5.75"
15+50	6.25"	9.5"
21+00	5.75"	6.75"
26+50	3"	5.25"
32+00	5.75"	6.25"
37+50	6.75"	8.5"
43+00	6.25"	6.5"
48+50	6.25"	6.5"
54+00	5.25"	12"
59+50	2.25"	6.5"
65+00	5.5"	10.75"
70+50	4.5"	7.75"
76+00	3.25"	5.5"
81+50	3"	9.25"
87+00	2.5"	9"
92+50	2.75"	11"
98+00	3.75"	7.25"
103+50	5"	16"
109+00	3.5"	4.75"
114+50	13.75"	6"

- EXISTING LEGEND**
- (A) EXISTING HMA BINDER & SURFACE COURSE, (SEE EXISTING PAVEMENT THICKNESS TABLE)
 - (B) EXISTING AGGREGATE BASE COURSE, (SEE EXISTING PAVEMENT THICKNESS TABLE)
 - (C) EXISTING GROUND SURFACE
 - (D) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (E) HOT-MIX ASPHALT SURFACE REMOVAL, 4"
 - (F) EXISTING AGGREGATE SHOULDER
 - ▨ REMOVAL ITEM

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 - 1.5"
- (3) GRADING AND SHAPING DITCHES
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/2"
- (5) CLASS D PATCHES
- (6) PREPARATION OF BASE
- (7) AGGREGATE BASE REPAIR
- (8) AGGREGATE SUBGRADE IMPROVEMENT
- (9) SEEDING, CLASS 4A
- (10) AGGREGATE WEDGE SHOULDER, TYPE B
- (11) GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- (12) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL

HOT-MIX ASPHALT REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 2"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50; 1 1/2"	4% @ 50 GYR	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 2-1/2"	4% @ 50 GYR	LR 1030-2
PATCHING		
CLASS D PATCHES (HMA BINDER COURSE, IL-19.0)	4% @ 70 GYR	LR 1030-2
DRIVEWAYS		
INCIDENTAL HOT-MIX ASPHALT SURFACING (HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50); 2"	4% @ 50 GYR	LR 1030-2
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY-IN.
 THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.
 THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE HOT-MIX ASPHALT BINDER.



USER NAME = jharris	DESIGNED SAM	REVISED -
DRAWN MJO	REVISOR -	
PLOT SCALE = 20.0000' / in.	CHECKED DJS	REVISOR -
PLOT DATE = 11/10/2021	DATE - 09-27-2021	FILE - 191518SHT-TypSec.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	7
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

PROPOSED SIGN SCHEDULE										
STA	OFFSET	SIGN	MUTCD CODE	SIGN SIZE	SIGN AREA	72400100	72400200	72400600	72000100	72800100
						REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
						EACH	EACH	EACH	SQ FT	FOOT
9+70	RT	VILLAGE OF BULL VALLEY	IL-1101	48X24	8.00	0	1	1	13.00	37.00
		50 MPH	R2-1	24X30	5.00					
10+04	LT	45 MPH	R2-1	24X30	5.00	1	0	0	6.67	14.00
		DORR TWP		20X12	1.67					
10+50	RT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	30.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
13+32	RT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	9.08	29.33
		CHERRY VALLEY ROAD	W16-8P	51X8	2.83					
15+50	LT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	32.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
16+14	RT	STOP	R1-1	36X36	9.00	1	0	0	9.00	27.00
16+41	LT	TWO DIRECTION ARROW	W1-7	48X24	8.00	1	0	0	8.00	26.00
16+60	RT	STOP	R1-1	36X36	9.00	1	0	0	9.00	27.00
16+62	RT	CHERRY VALLEY ROAD	D3-1	78X12	6.50	1	0	0	11.75	13.00
		MASON HILL ROAD	D3-1	63X12	5.25					
17+30	RT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	32.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
19+46	LT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	9.08	29.33
		CHERRY VALLEY ROAD	W16-8P	51X8	2.83					
20+15	RT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	9.08	29.33
		CHERRY VALLEY ROAD	W16-8P	51X8	2.83					
21+95	LT	50 MPH	R2-1	24X30	5.00	1			5.00	13.50
22+25	LT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	32.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
22+97	LT	CHERRY VALLEY ROAD	D3-1	78X12	6.50	1	0	0	11.75	13.00
		MASON HILL ROAD	D3-1	63X12	5.25					
23+04	LT	STOP	R1-1	36X36	9.00	1	0	0	9.00	27.00

STA	OFFSET	SIGN	MUTCD CODE	SIGN SIZE	SIGN AREA	72400100	72400200	72400600	72000100	72800100
						REMOVE SIGN PANEL ASSEMBLY - TYPE A	REMOVE SIGN PANEL ASSEMBLY - TYPE B	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	SIGN PANEL - TYPE 1	TELESCOPING STEEL SIGN SUPPORT
						EACH	EACH	EACH	SQ FT	FOOT
23+16	RT	TWO DIRECTION ARROW	W1-7	48X24	8.00	1	0	0	8.00	26.00
24+00	RT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	32.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
25+00	RT	NO PASSING ZONE	W14-3	48X48X36	6.00	0	0	0	6.00	27.00
26+29	LT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	9.08	29.33
		CHERRY VALLEY ROAD	W16-8P	51X8	2.83					
31+03	RT	50 MPH	R2-1	24X30	5.00	1	0	0	5.00	13.50
62+82	RT	MAINTAINED BY NUNDA TWP		18x24	3.00	1	0	0	3.75	13.00
				18x6	0.75					
71+09	LT	NO PASSING ZONE	W14-3	48X48X36	6.00	0	0	0	6.00	27.00
74+93	RT	50 MPH	R2-1	24X30	5.00	1	0	0	5.00	13.50
75+92	LT	MAINTAINED BY NUNDA TWP		18x24	3.00	1	0	0	3.75	13.00
				18x6	0.75					
90+77	LT	50 MPH	R2-1	24X30	5.00	1			5.00	13.50
92+42	RT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	7.92	29.33
		BALLINA LANE	W16-8P	30X8	1.67					
99+03	RT	STOP	R1-1	36X36	9.00	1	0	0	9.00	27.00
99+03	RT	BALLINA LANE	D3-1	48X12	4.00	0	0	0	9.25	13.00
		MASON HILL ROAD	D3-1	63X12	5.25					
102+04	LT	INTERSECTION WARNING	W2-2	30X30	6.25	0	0	0	7.92	29.33
		BALLINA LANE	W16-8P	30X8	1.67					
112+93	RT	SIGNAL AHEAD	W3-3	30X30	6.25	1	0	0	6.25	14.50
113+16	LT	VILLAGE OF BULL VALLEY		48X24	8.00	0	1	1	13.00	37.00
		50 MPH	R2-1	24X30	5.00					
113+87	LT	SCENIC DRIVE		18X12	1.50	1	0	0	1.50	11.50
114+75	LT	BICYCLE	W11-1	30X30	6.25	0	0	0	9.25	32.00
		SHARE THE ROAD	W16-1P	18X24	3.00					
TOTAL						17	2	2	273	813

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USER NAME = kroberson	DESIGNED SAM	REVISED -
	DRAWN MJO	REVISED -
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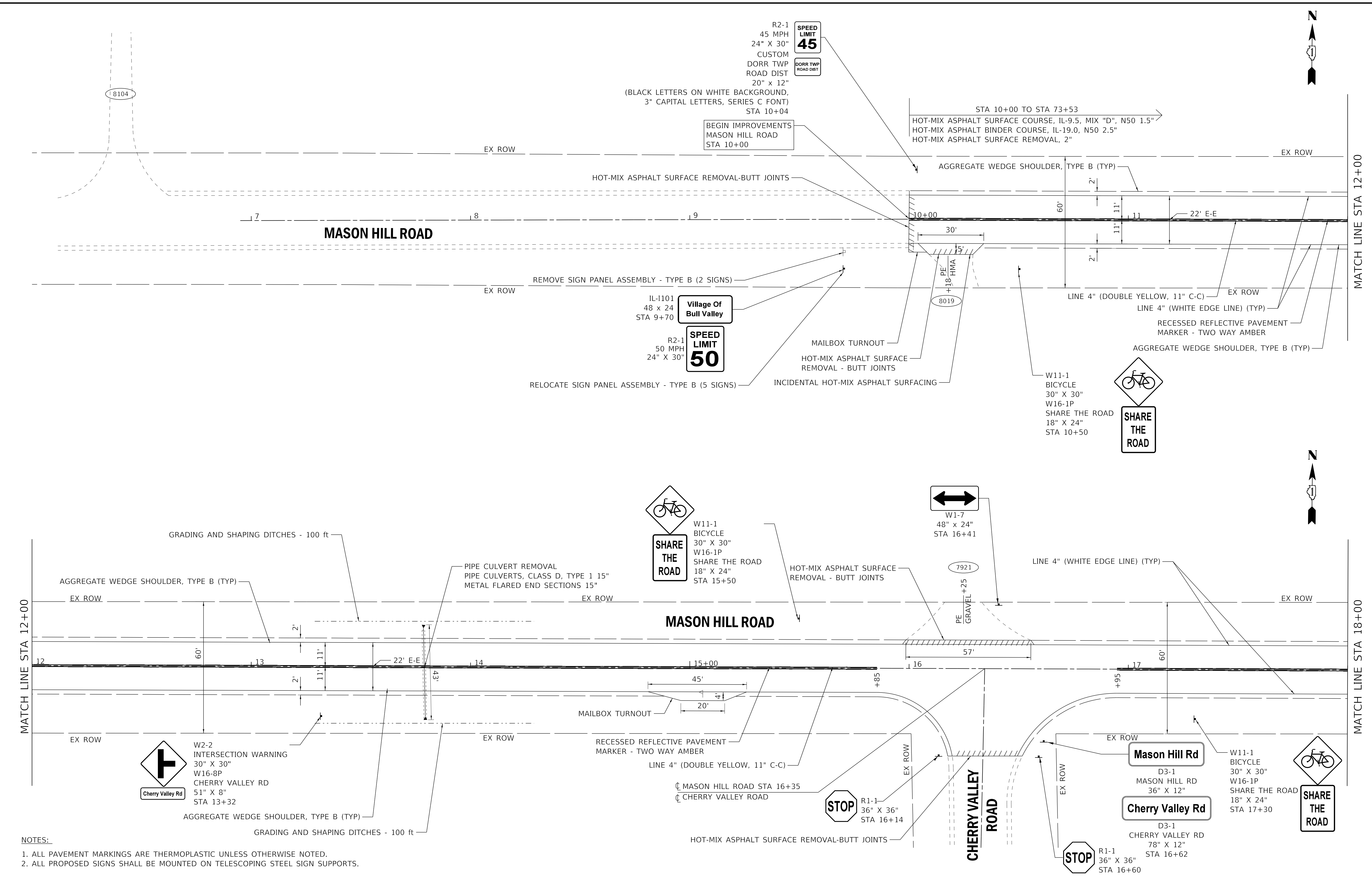
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-R5	MCHENRY	26	8
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

BAXTER & WOODMAN Consulting Engineers	USER NAME = jharris	DESIGNED SAM	REVISED -
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	PLOT DATE = 11/3/2021	CHECKED DJS	REVISED -
		DATE - 09-27-2021	FILE - 191518SHT-Plan01.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

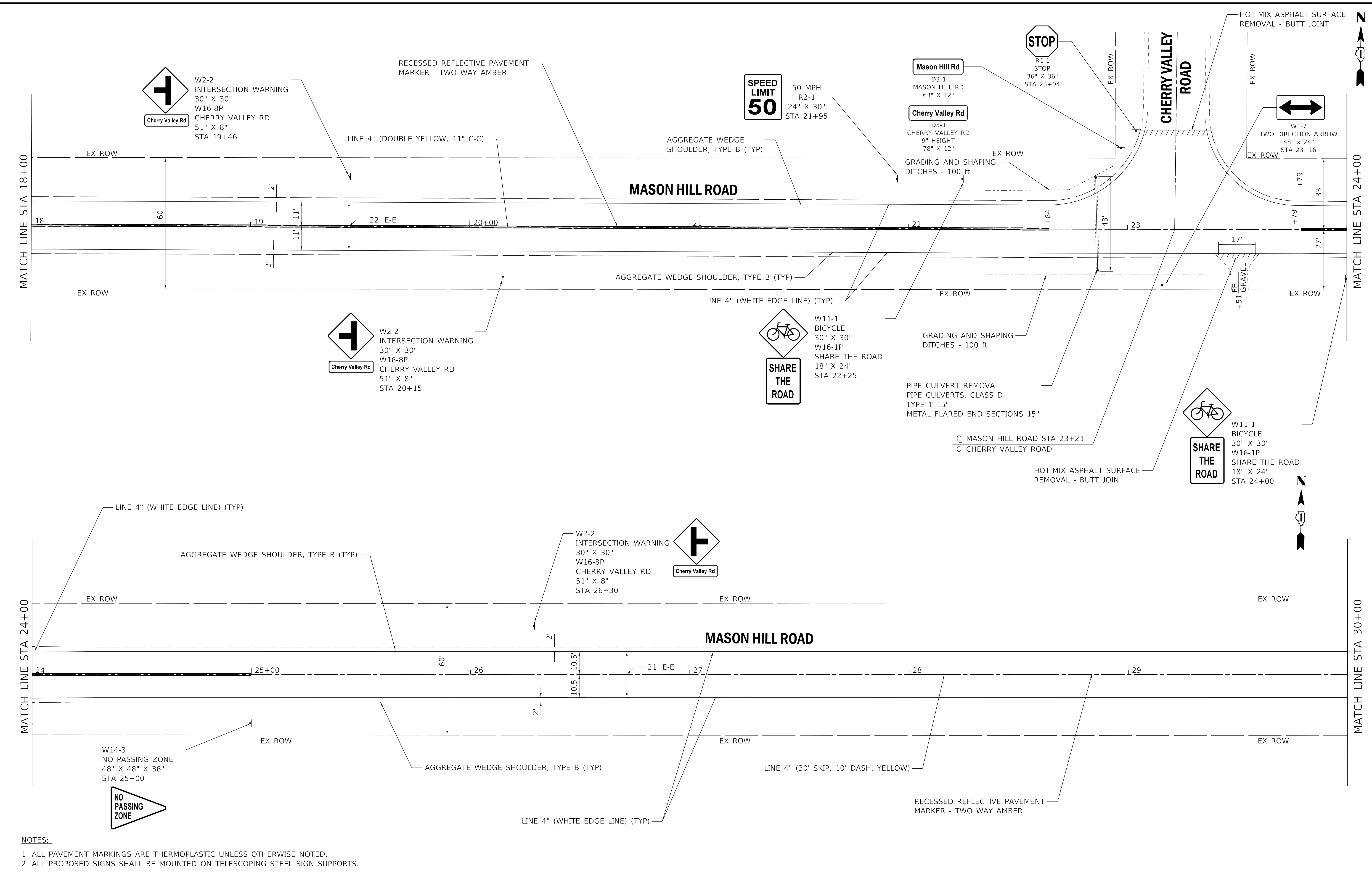
SCALE: 1" = 20'

SHEET 1 OF 10 SHEETS

STA. 6+95 TO STA. 18+00

TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	9
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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NOTES:
 1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

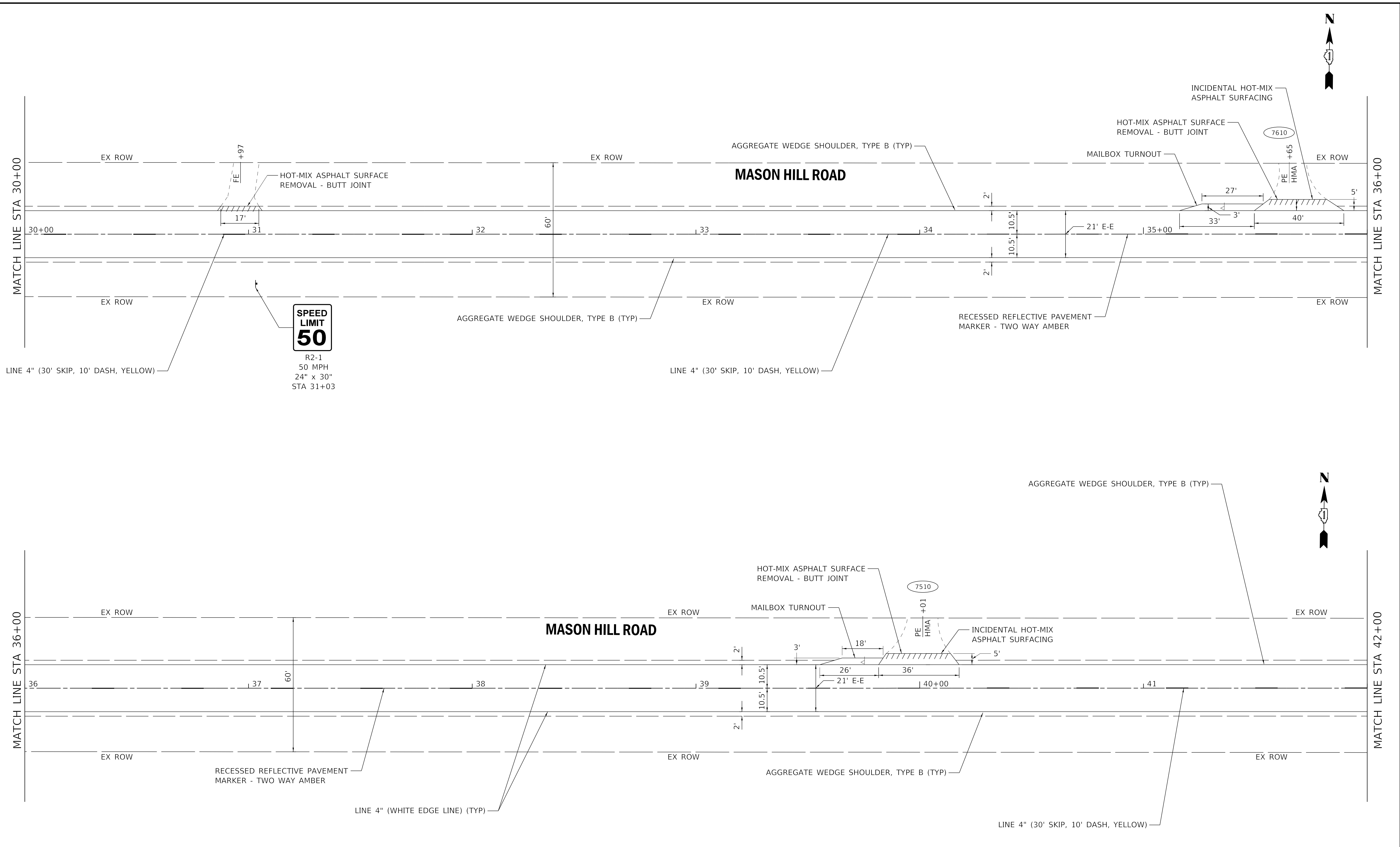
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		DATE - 09-27-2021	FILE - 191518SHT-Plan02.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD
 SCALE: 1" = 20'
 SHEET 2 OF 10 SHEETS
 STA. 18+00 TO STA. 30+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	10
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.



USER NAME = jharris	DESIGNED SAM	REVISED -
DRAWN MJO	CHECKED DJS	REVISED -
PLOT SCALE = 20.0000' / in.	DATE - 09-27-2021	FILE - 191518SHT-Plan03.dgn
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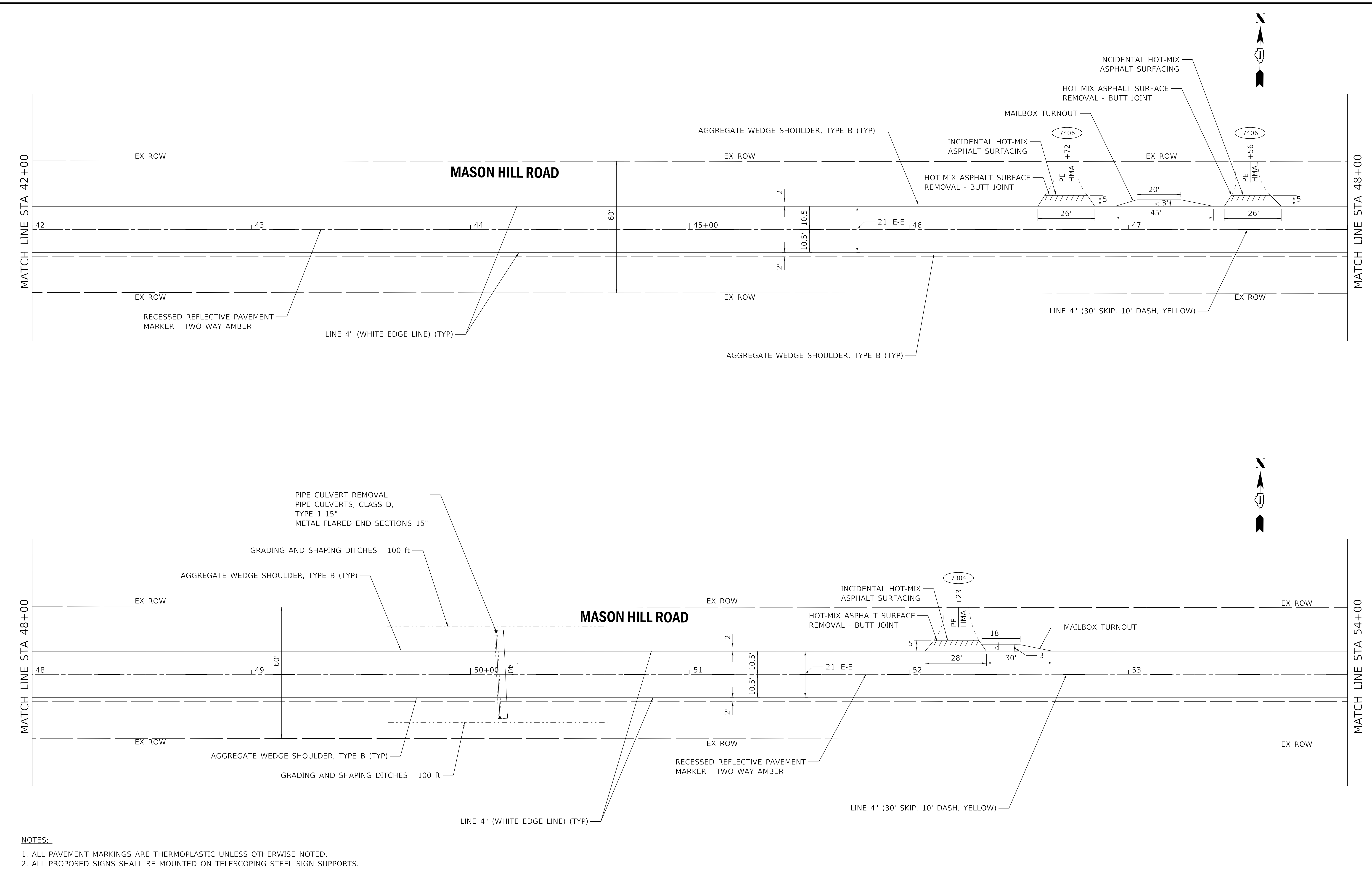
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

SCALE: 1" = 20' SHEET 3 OF 10 SHEETS STA. 30+00 TO STA. 42+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	11
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:**
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

BAXTER & WOODMAN Consulting Engineers	USER NAME = jharris	DESIGNED SAM	REVISED -
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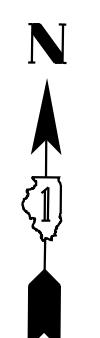
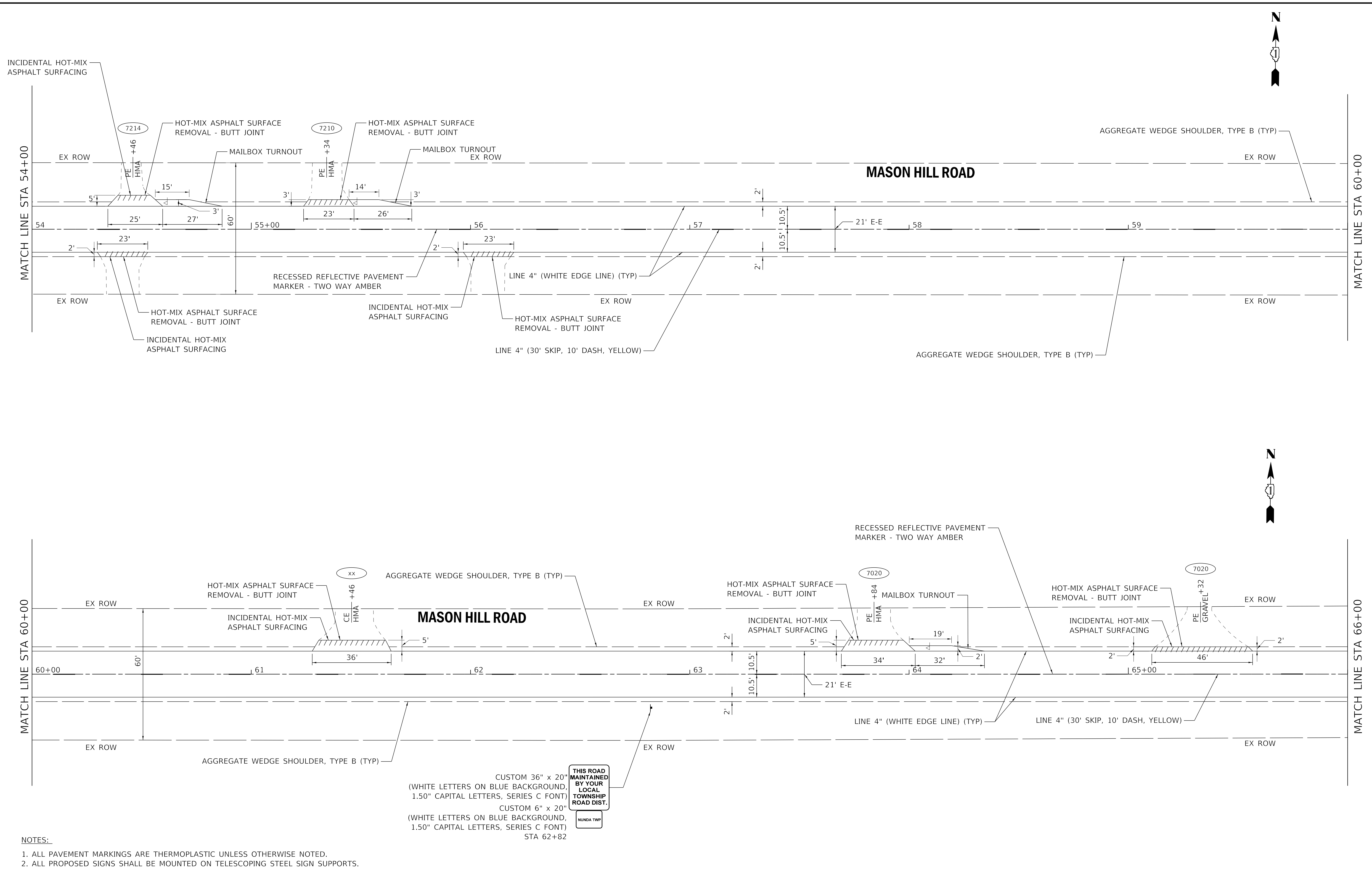
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

SCALE: 1" = 20'
 SHEET 4 OF 10 SHEETS
 STA. 42+00 TO STA. 54+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	12
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:**
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

CUSTOM 36" x 20"
 (WHITE LETTERS ON BLUE BACKGROUND,
 1.50" CAPITAL LETTERS, SERIES C FONT)

CUSTOM 6" x 20"
 (WHITE LETTERS ON BLUE BACKGROUND,
 1.50" CAPITAL LETTERS, SERIES C FONT)

STA 62+82

THIS ROAD
 MAINTAINED
 BY YOUR
 LOCAL
 TOWNSHIP
 ROAD DIST.
 NUNDA TWP



USER NAME = jharris	DESIGNED SAM	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN MJO	REVISED -
PLOT DATE = 11/3/2021	CHECKED DJG	REVISED -
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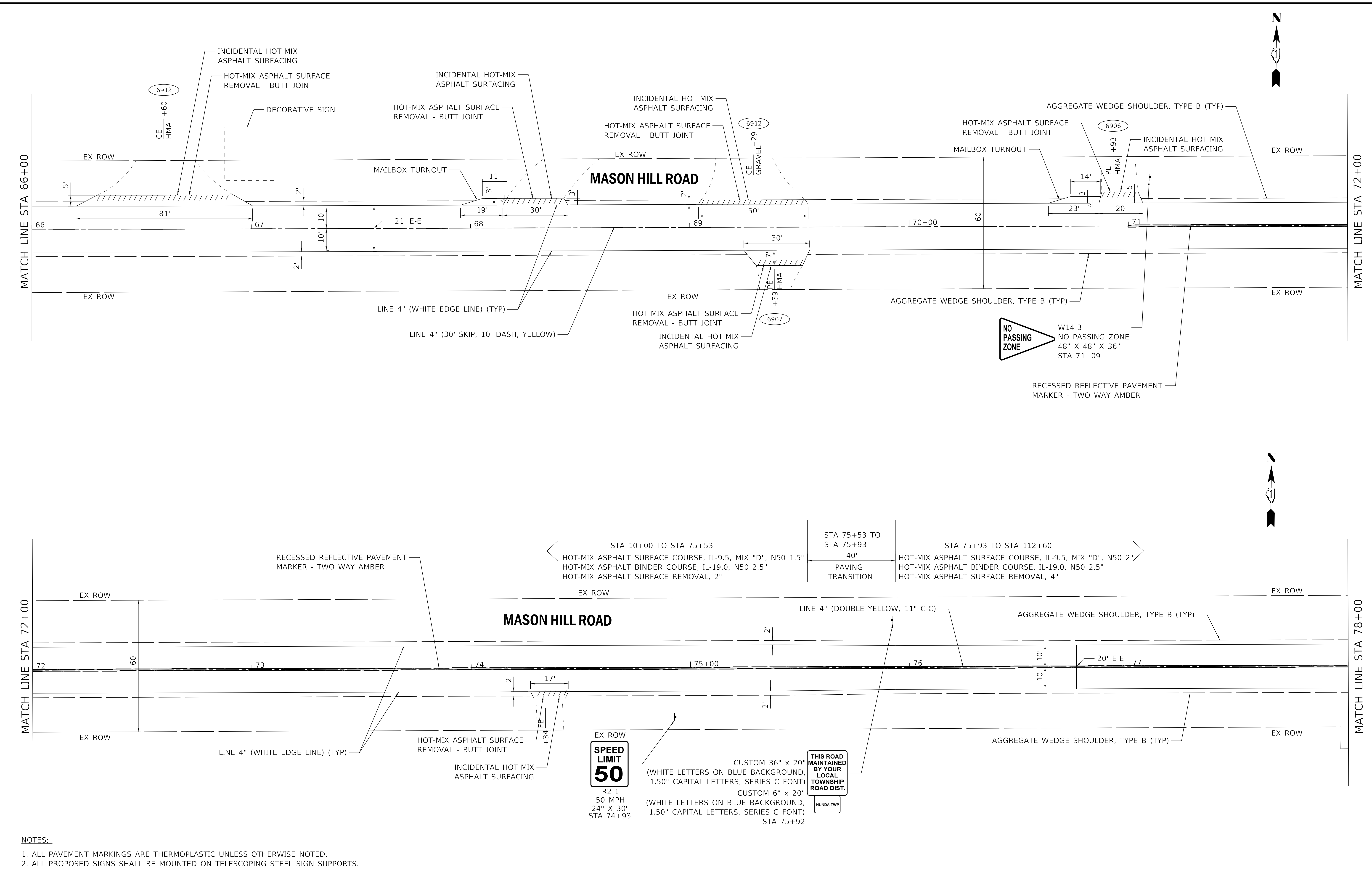
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

SCALE: 1" = 20' SHEET 5 OF 10 SHEETS STA. 54+00 TO STA. 66+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	13
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

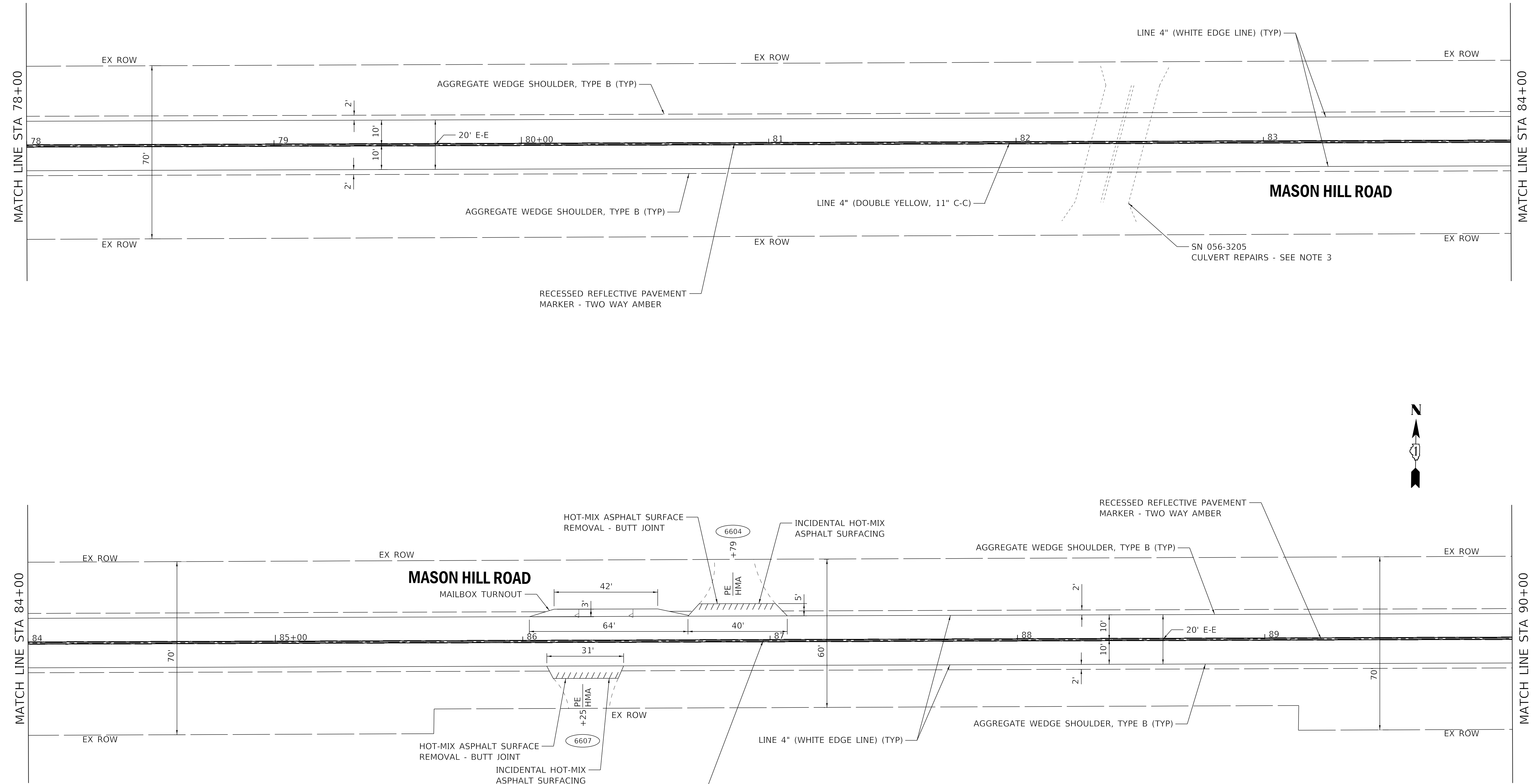
BAXTER & WOODMAN Consulting Engineers	USER NAME = jharris	DESIGNED SAM	REVISED -
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		DATE - 09-27-2021	FILE - 191518SHT-Plan06.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD
 SCALE: 1" = 20'
 SHEET 6 OF 10 SHEETS
 STA. 66+00 TO STA. 78+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	14
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
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- NOTES:**
- ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.
 - CULVERT REPAIRS:
 - *STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 IN) - 15 SQ FT
 - *EPOXY CRACK INJECTION - 10 FT
 - *ACTUAL REPAIR AREAS SHOULD BE DETERMINED IN THE FIELD BY THE ENGINEER. A NOMINAL AMOUNT OF ADDITIONAL REPAIR QUANTITIES HAVE BEEN PROVIDED TO ACCOUNT FOR REPAIRS NOT NOTED.



USER NAME = jharris	DESIGNED SAM	REVISED -
DRAWN MJO	DRAWN MJO	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED DJS	REVISED -
PLOT DATE = 11/3/2021	DATE - 09-27-2021	FILE - 191518SHT-Plan07.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

SCALE: 1" = 20' SHEET 7 OF 10 SHEETS STA. 78+00 TO STA. 90+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	15
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	



SPEED LIMIT
50

R2-1
50 MPH
24" X 30"
STA 90+77

RECESSED REFLECTIVE PAVEMENT
MARKER - TWO WAY AMBER

MASON HILL ROAD

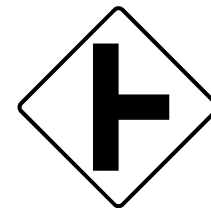
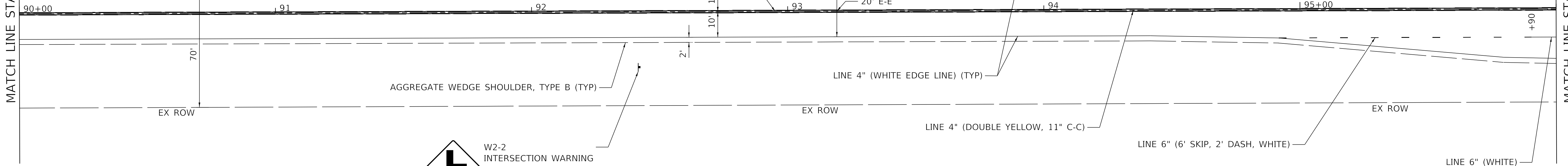
AGGREGATE WEDGE SHOULDER, TYPE B (TYP)

EX ROW

EX ROW

MATCH LINE STA 90+00

MATCH LINE STA 96+00



W2-2
INTERSECTION WARNING
30" X 30"
W16-8P
BALLINA LN
30" X 8"
STA 92+42

Ballina Ln



MASON HILL ROAD

MASON HILL ROAD STA 98+74
BALLINA LANE

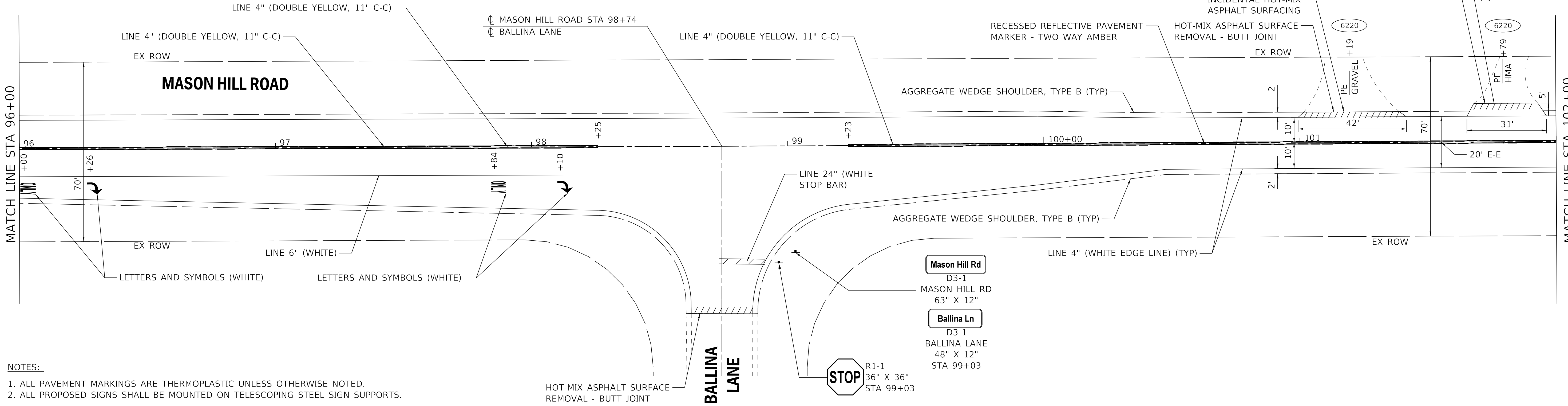
RECESSED REFLECTIVE PAVEMENT
MARKER - TWO WAY AMBER

INCIDENTAL HOT-MIX
ASPHALT SURFACING

HOT-MIX ASPHALT SURFACE
REMOVAL - BUTT JOINT

MATCH LINE STA 96+00

MATCH LINE STA 102+00



- NOTES:
- 1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 - 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
JHarris - Default
FILE NAME: I:\Crystal Lake\BULLV191518-Mason Hill Road Ph.1CAD\Sheets\191518SHT-Plan08.dgn

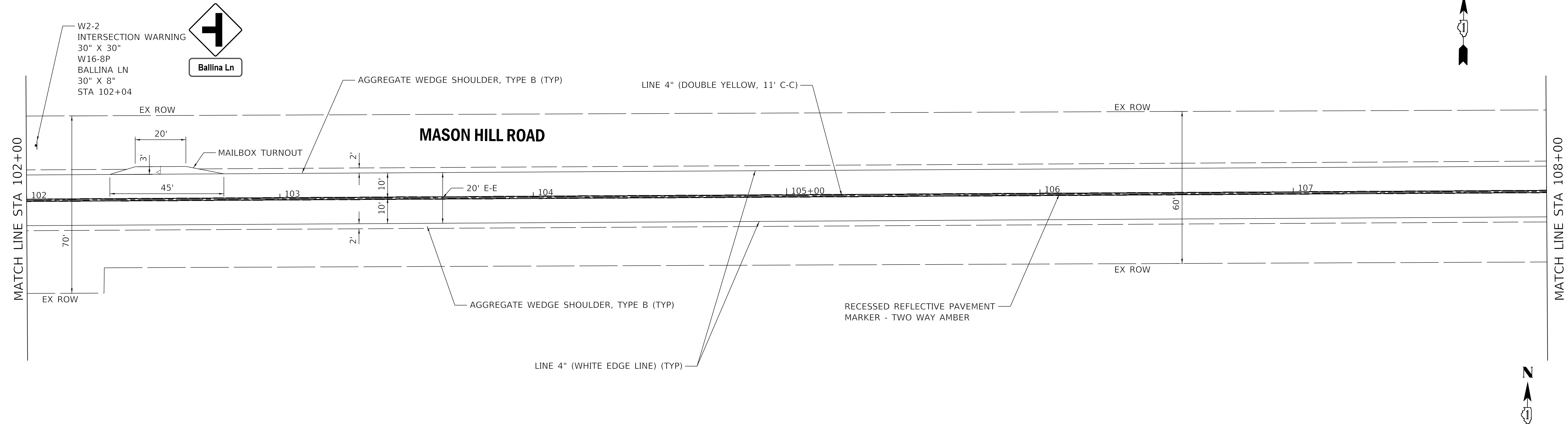


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DRAWN MJO	REVISOR -	REVISED -
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PLOT DATE = 11/3/2021	DATE - 09-27-2021	FILE - 191518SHT-Plan08.dgn

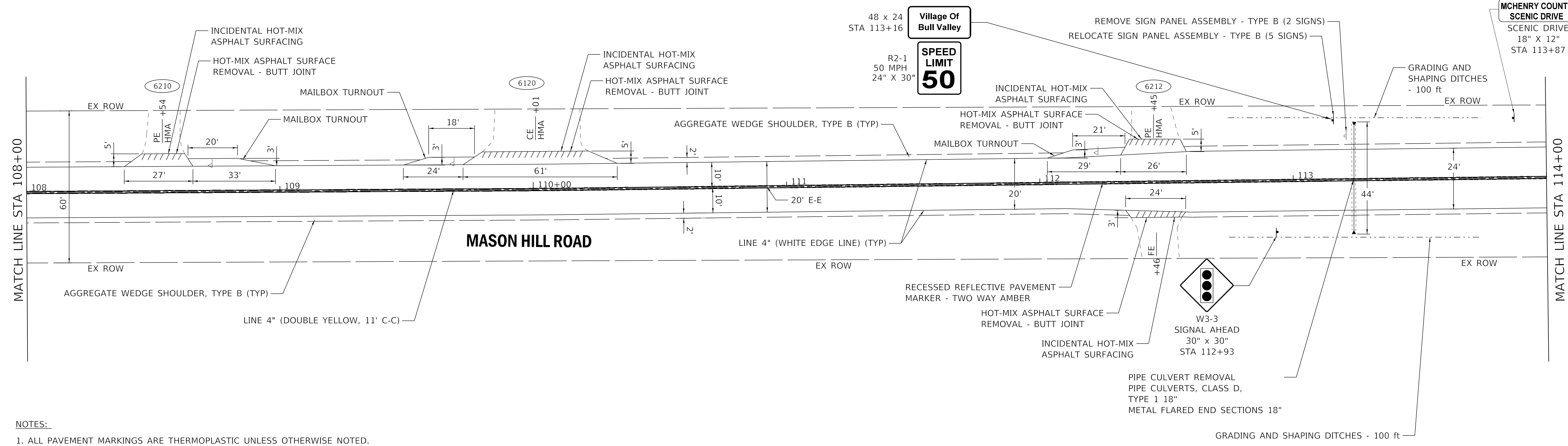
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD
SCALE: 1" = 20'
SHEET 8 OF 10 SHEETS
STA. 90+00 TO STA. 102+00

TR RTE. 143	SECTION 20-00008-00-RS	COUNTY MCHENRY	TOTAL SHEETS 26	SHEET NO. 16
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				



STA 75+93 TO STA 112+60	STA 112+60 TO STA 113+00	STA 113+00 TO STA 115+30
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 2"	40'	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50 1.5"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5"	PAVING TRANSITION	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2.5"
HOT-MIX ASPHALT SURFACE REMOVAL, 4"		HOT-MIX ASPHALT SURFACE REMOVAL, 2"



- NOTES:
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
 jharris - Defaul
 FILE NAME: I:\Crystal Lake\BULLV191518-Mason Hill Road Ph.11CAD\Sheets\191518SHT-Plan09.dgn



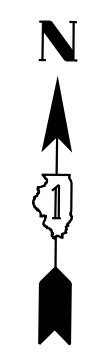
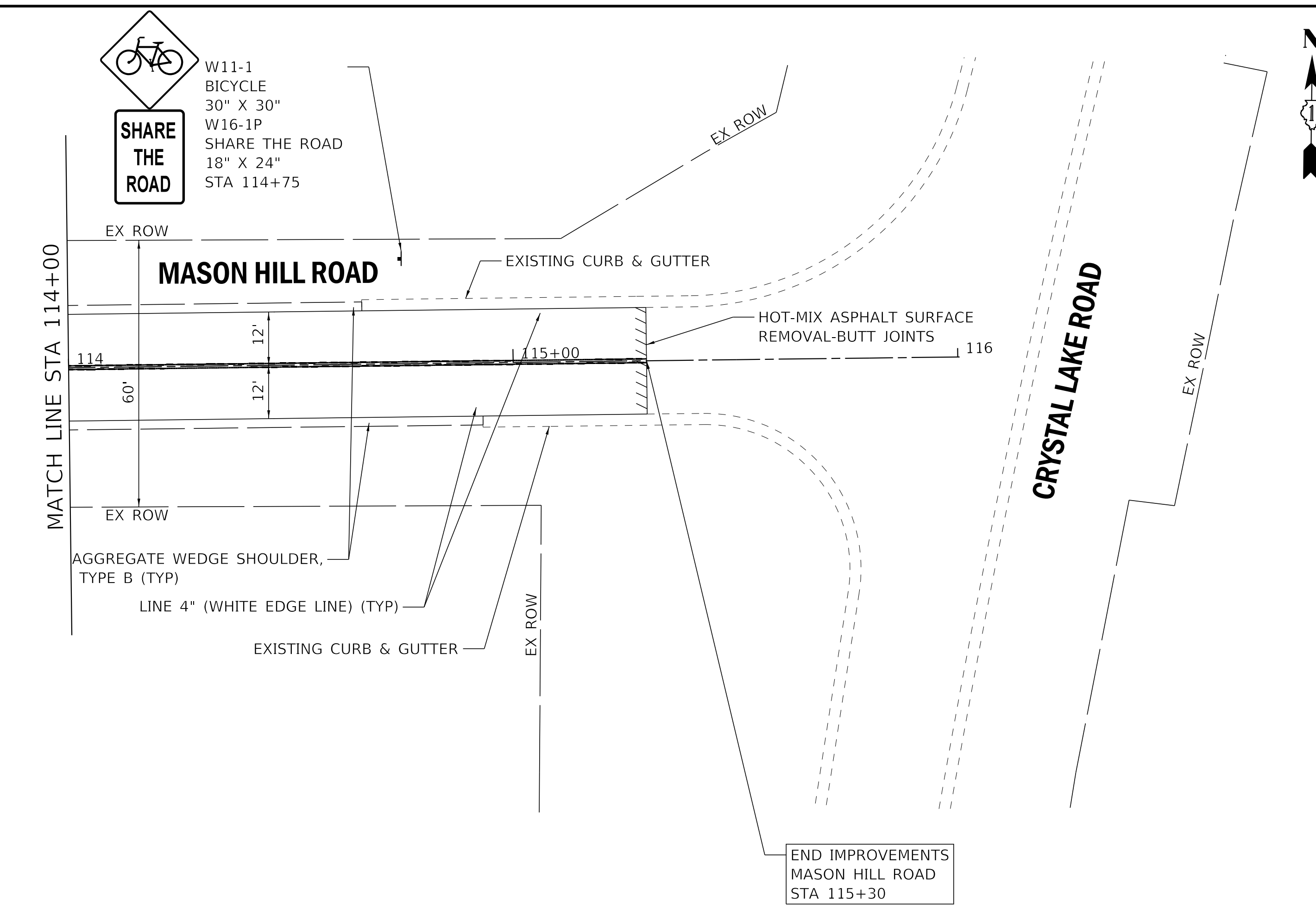
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PLOT DATE = 11/3/2021	DATE - 09-27-2021	FILE - 191518SHT-Plan09.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD
SCALE: 1" = 20' SHEET 9 OF 10 SHEETS STA. 102+00 TO STA. 114+00

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	17
CONTRACT NO. 61H53				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
 jharris - 11/3/2021 9:45:25 AM
 FILE NAME: I:\Crystal Lake\BULLV191518-Mason Hill Road Ph.10.dgn



- NOTES:**
1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
 2. ALL PROPOSED SIGNS SHALL BE MOUNTED ON TELESCOPING STEEL SIGN SUPPORTS.



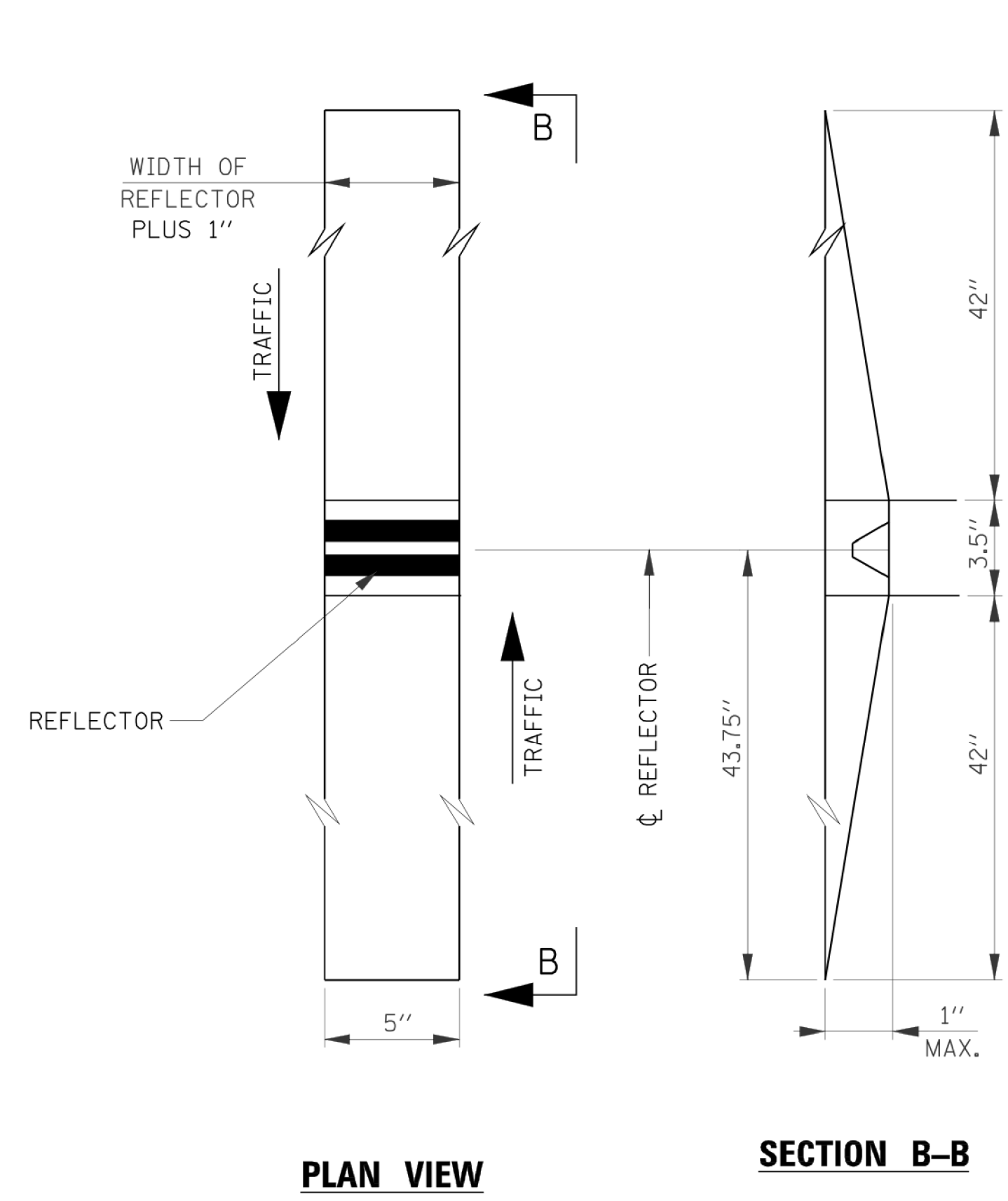
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PLOT DATE = 11/3/2021		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN - MASON HILL ROAD

SCALE: 1" = 20' SHEET 10 OF 10 SHEETS STA. 114+00 TO STA. 116+01.43

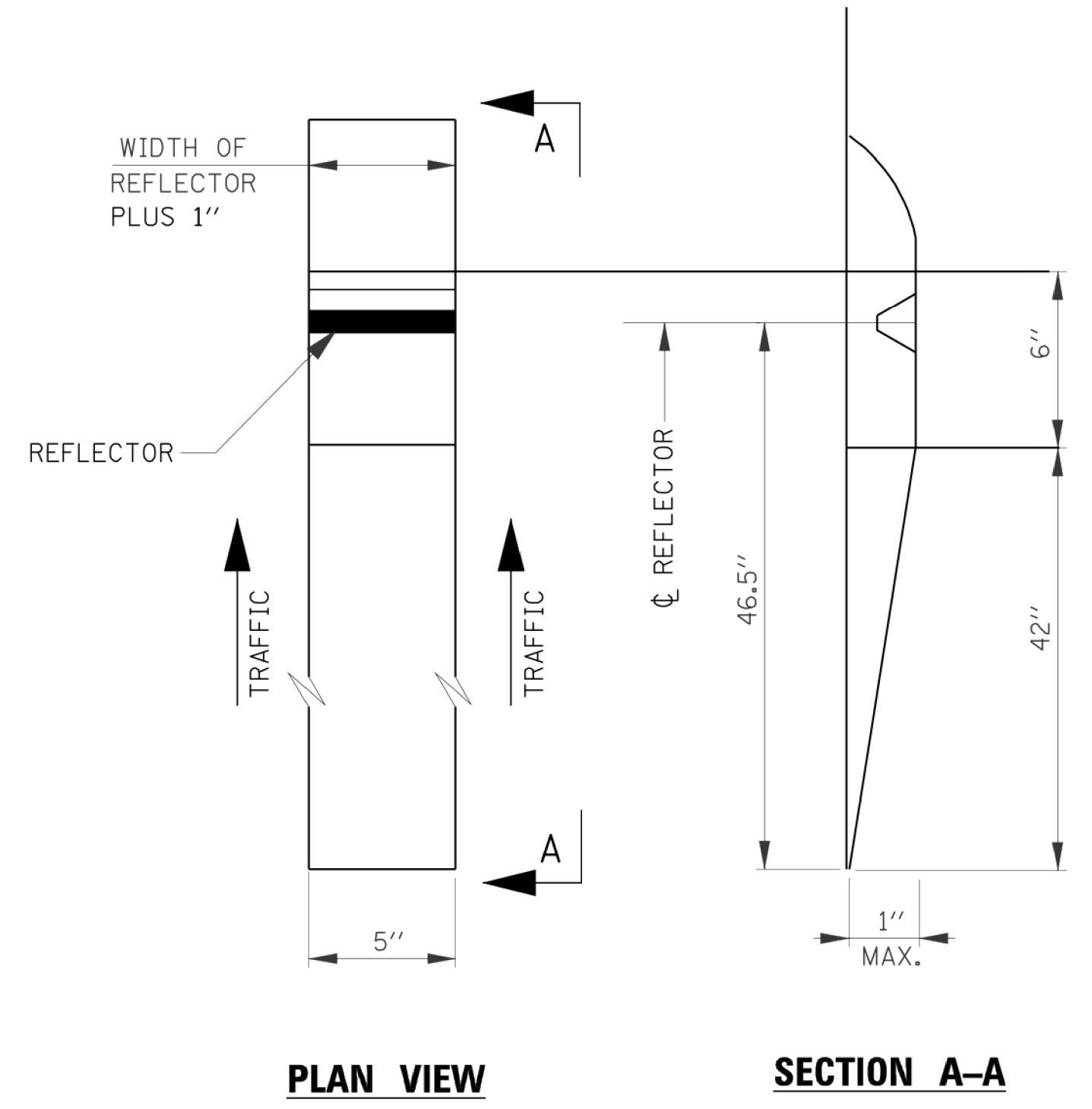
TR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	18
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	



PLAN VIEW

SECTION B-B

TWO WAY

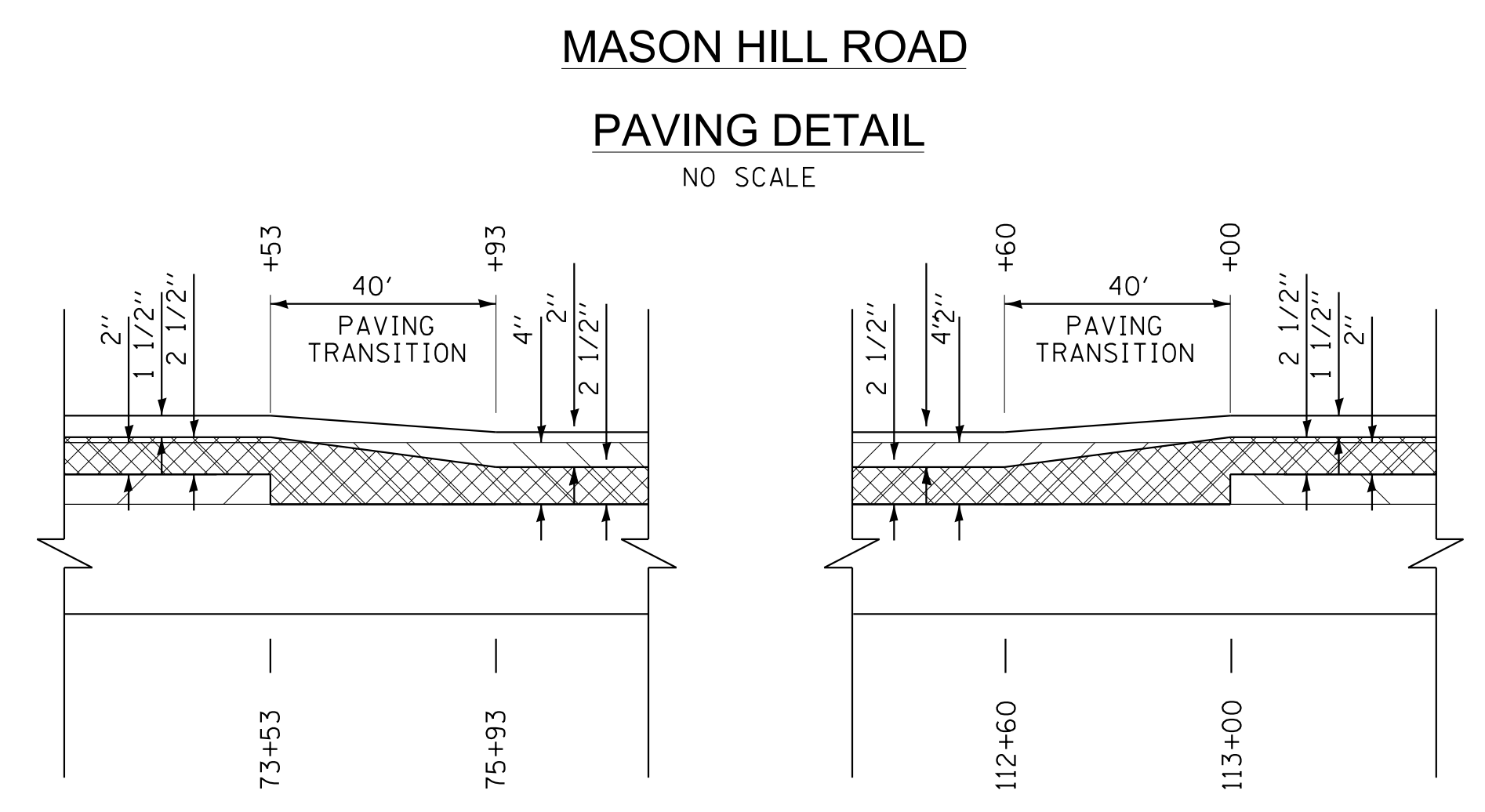


PLAN VIEW

SECTION A-A

ONE WAY

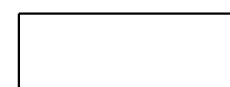


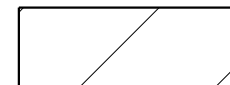
RECESSED REFLECTIVE MARKERS



MASON HILL ROAD

PAVING DETAIL

NO SCALE

-  HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50
-  HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50
-  HOT-MIX ASPHALT SURFACE REMOVAL
-  EXISTING HOT-MIX ASPHALT PAVEMENT TO REMAIN

INSTALLATION NOTES:

1. SAWCUT IN DIMENSIONS SHOWN.
2. SAWCUT AREAS TO BE DRY AND FREE OR MATERIAL THAT ADVERSELY AFFECTS THE ADHESIVE BAND.
3. INSTALL THE REFLECTOR WITH AN APPROVED TWO-COMPONENT EPOXY ADHESIVE. EPOXY SHOULD NOT OBSCURE OR BLOCK THE LENS.
4. INSTALL TOP OF REFLECTOR 1/2 TO 1/4 INCH BELOW THE PAVEMENT SURFACE.
5. REFLECTOR SHALL BE 3M SERIES 290.

GENERAL NOTES:

1. INSTALLATION SHALL CONFORM TO IDOT DISTRICT 1 DETAIL TC-11 (OR LATEST) FOR MARKER PLACEMENT.
2. DISTRICT 1 DETAIL TC-11 SHALL BE MODIFIED TO REFLECT IN RECESSED PAVEMENT MARKERS INSTEAD OF RAISED PAVEMENT MARKERS.

STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. - 184-001121 - EXPIRES 4/30/2021
 jharris_dwg
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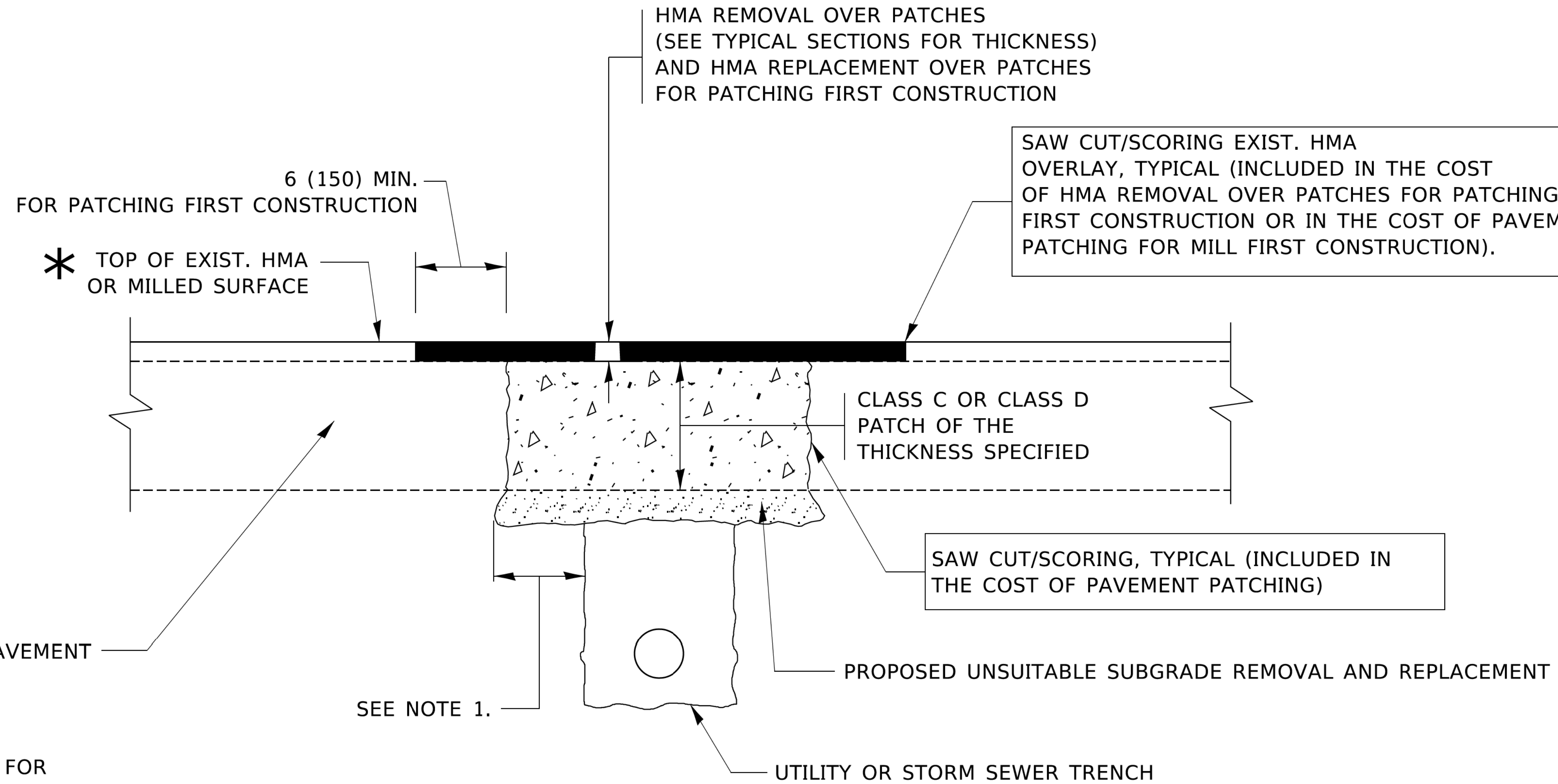
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DRAWN MJO	REVISOR -	
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PLOT DATE = 11/3/2021	DATE - 09-27-2021	FILE - 191518SHT-MiscDets.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

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

TR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
143	20-00008-00-RS	MCHENRY	26	19
CONTRACT NO. 61H53			ILLINOIS FED. AID PROJECT	



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

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 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.

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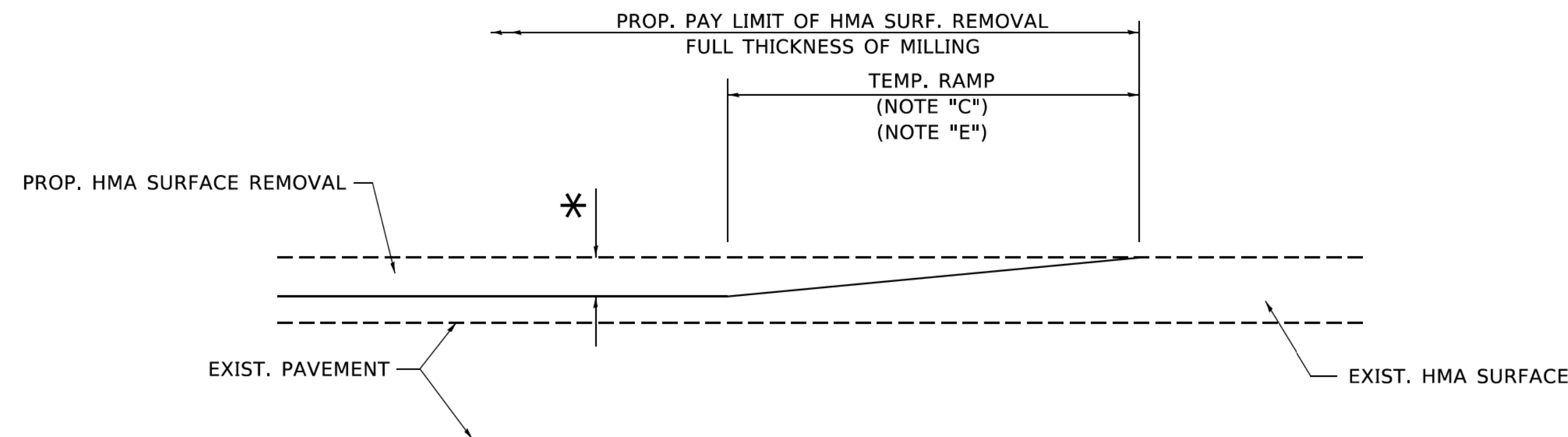
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	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE = 3/27/2019	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

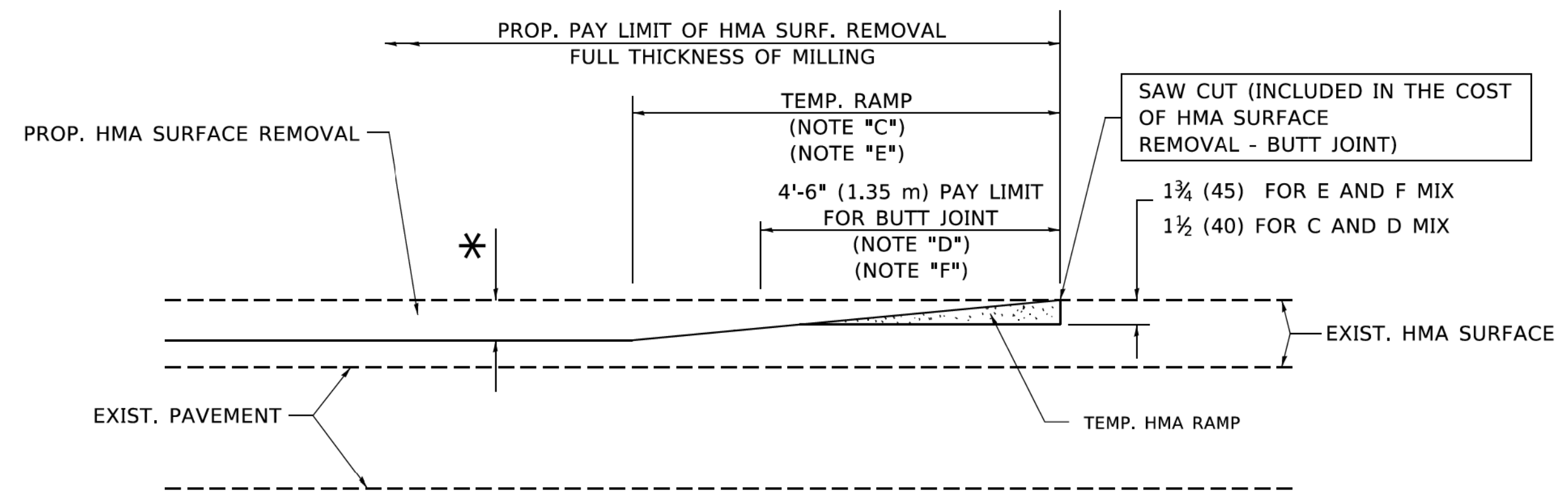
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00008-00-RS	MCHENRY	26	20
BD400-04 (BD-22)			CONTRACT NO. 61H53	
ILLINOIS FED. AID PROJECT S49M(198)				



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

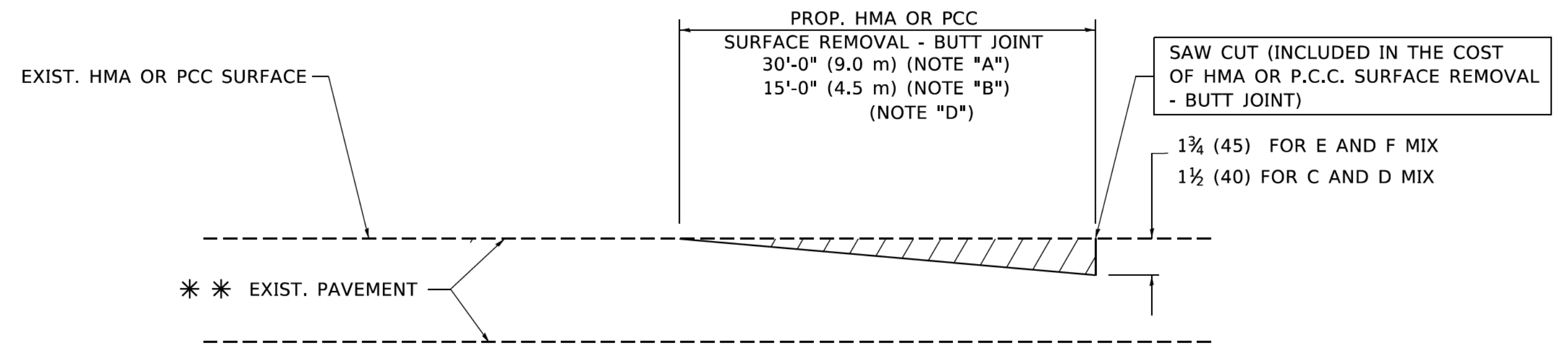


HMA CONSTRUCTED TEMPORARY RAMP

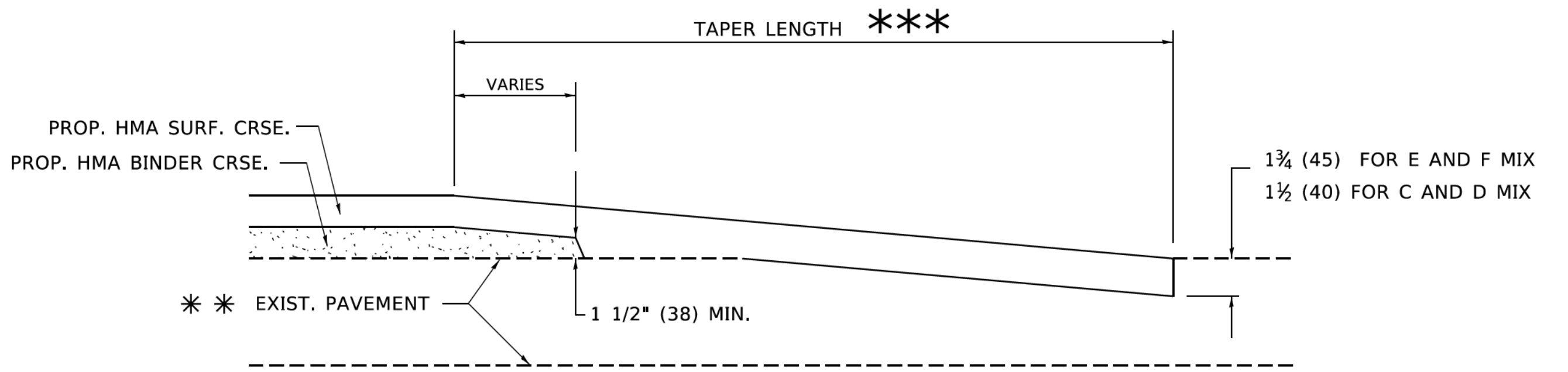
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

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.

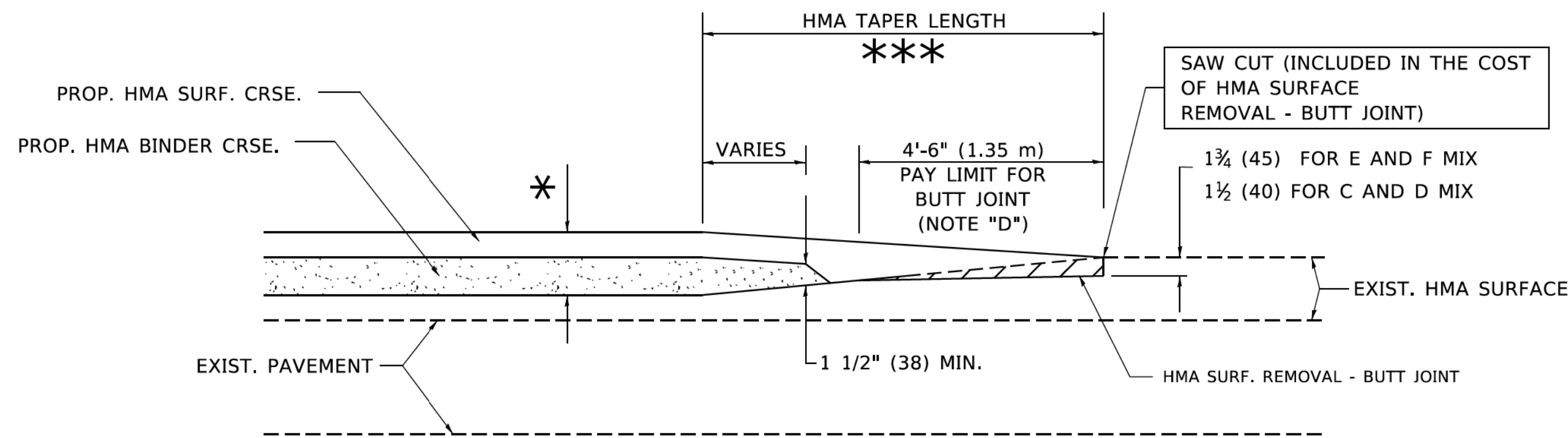
NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- 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'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.
* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. 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 (SQURE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

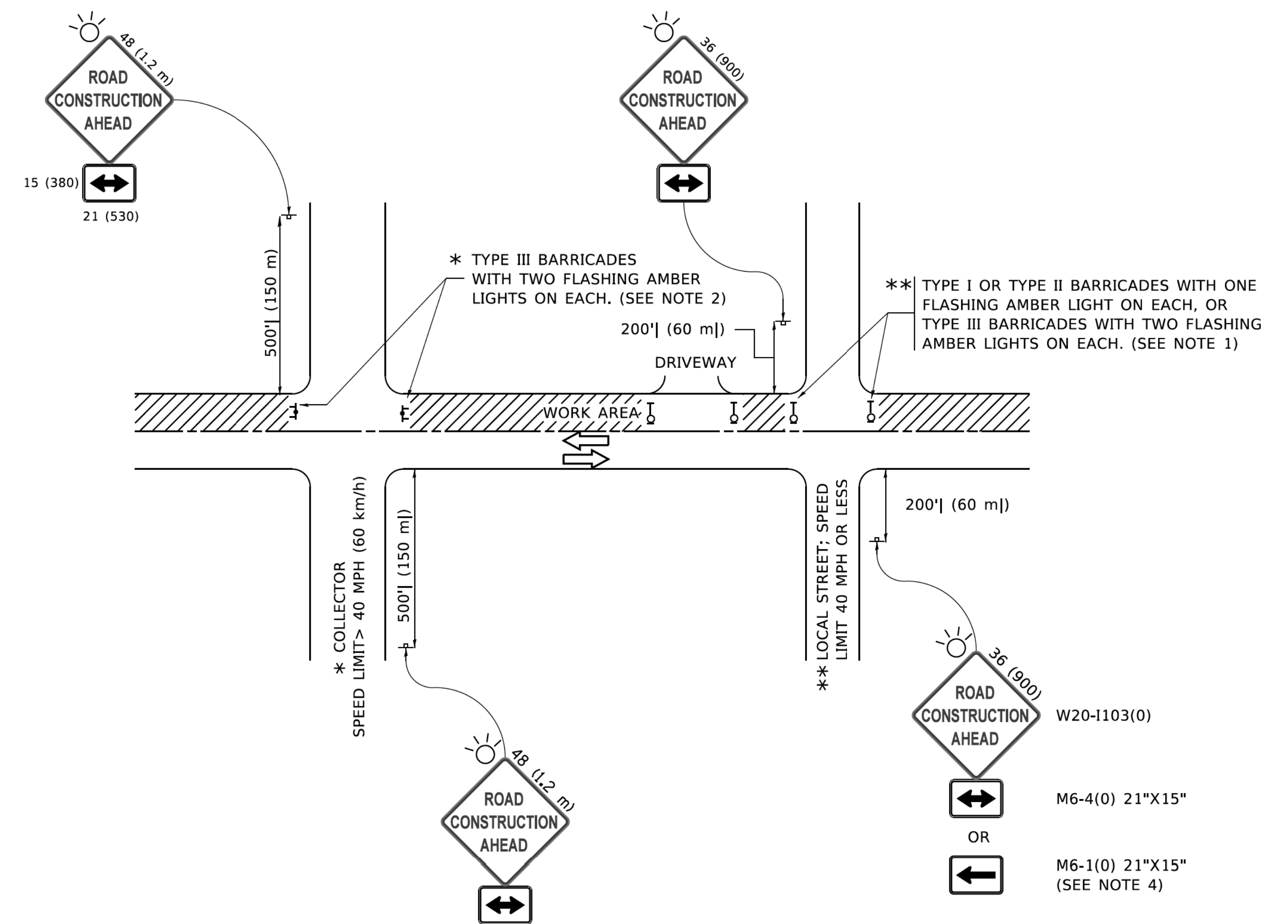
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 PROJECT NO. 20-00008-00-RS
 SHEET NO. 21
 DATE: 06-13-2019

USER NAME = footemj	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50.0000' / 1"	DRAWN - A. ABBAS 03-21-97	REVISED - M. GOMEZ 04-06-01
PLOT DATE = 3/27/2019	CHECKED -	REVISED - R.BORO 01-01-07
	DATE - 06-13-90	

**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.
	20-00008-00-RS	MCHENRY	26	21
BD400-05 BD32		CONTRACT NO. 61H53		
ILLINOIS		FED. AID PROJECT S49M(198)		



NOTES:

- 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.

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

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 TEL: (773) 399-1100 FAX: (773) 399-1101
 WWW.BAYTERANDWOODMAN.COM

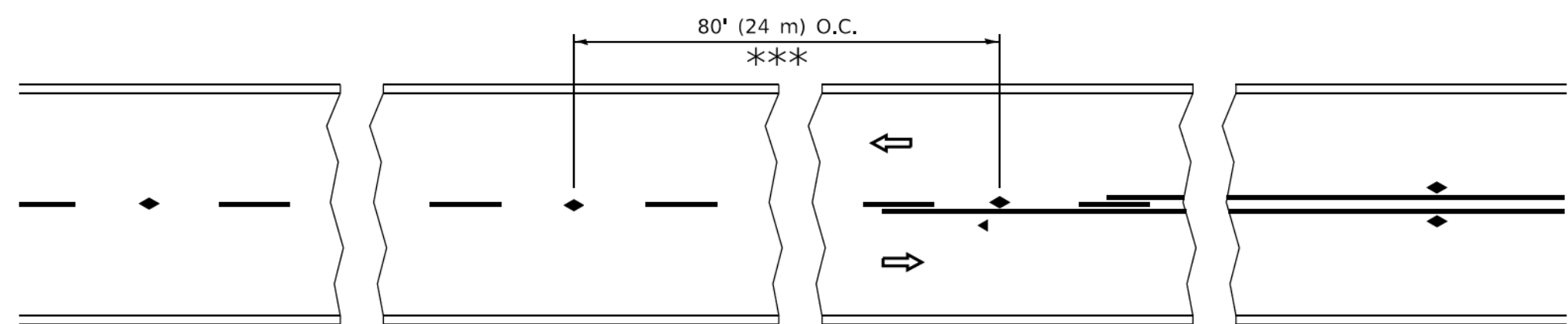
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PLOT DATE = 3/4/2019	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

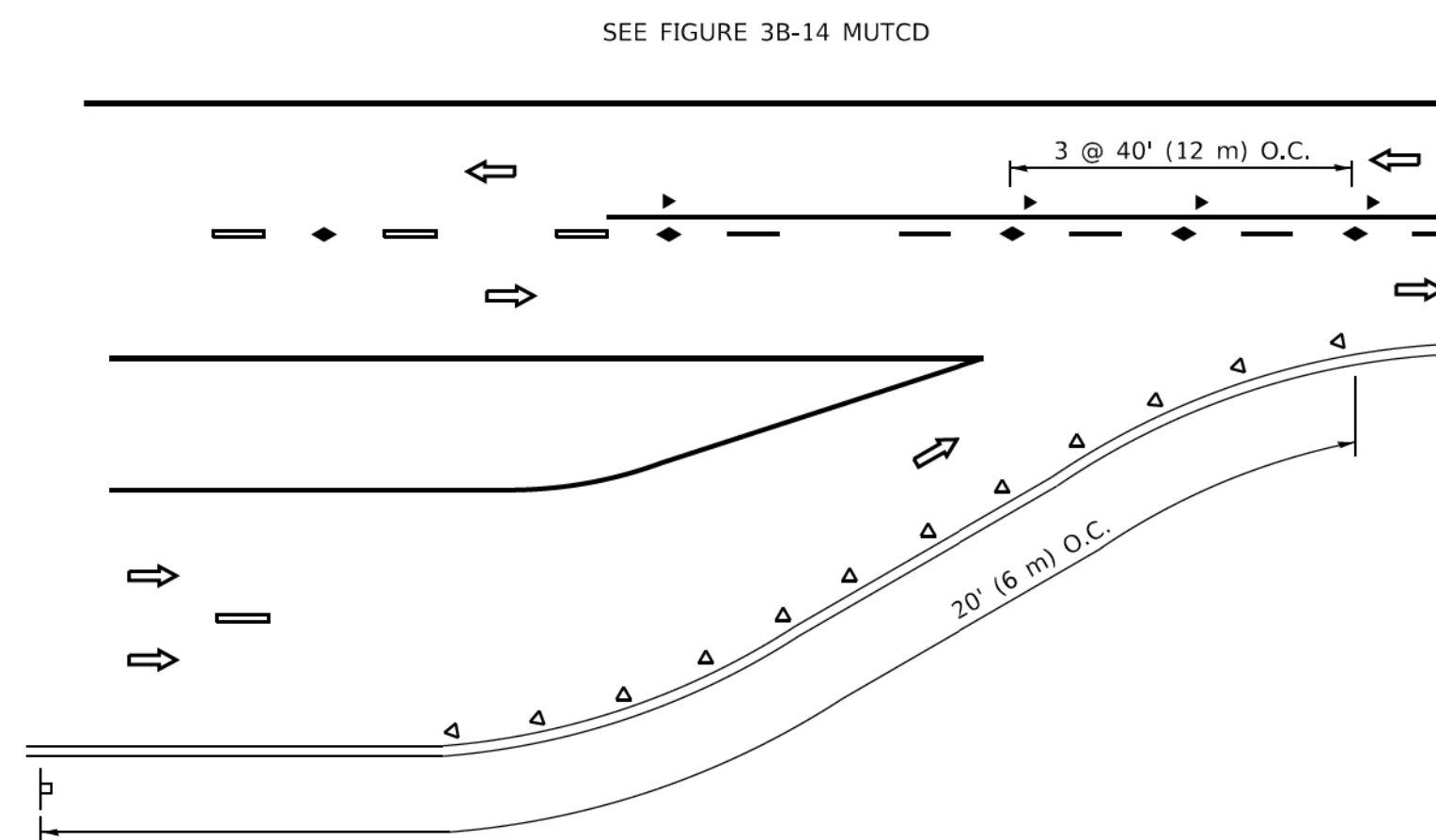
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61H53	
			ILLINOIS FED. AID PROJECT S49M(198)	

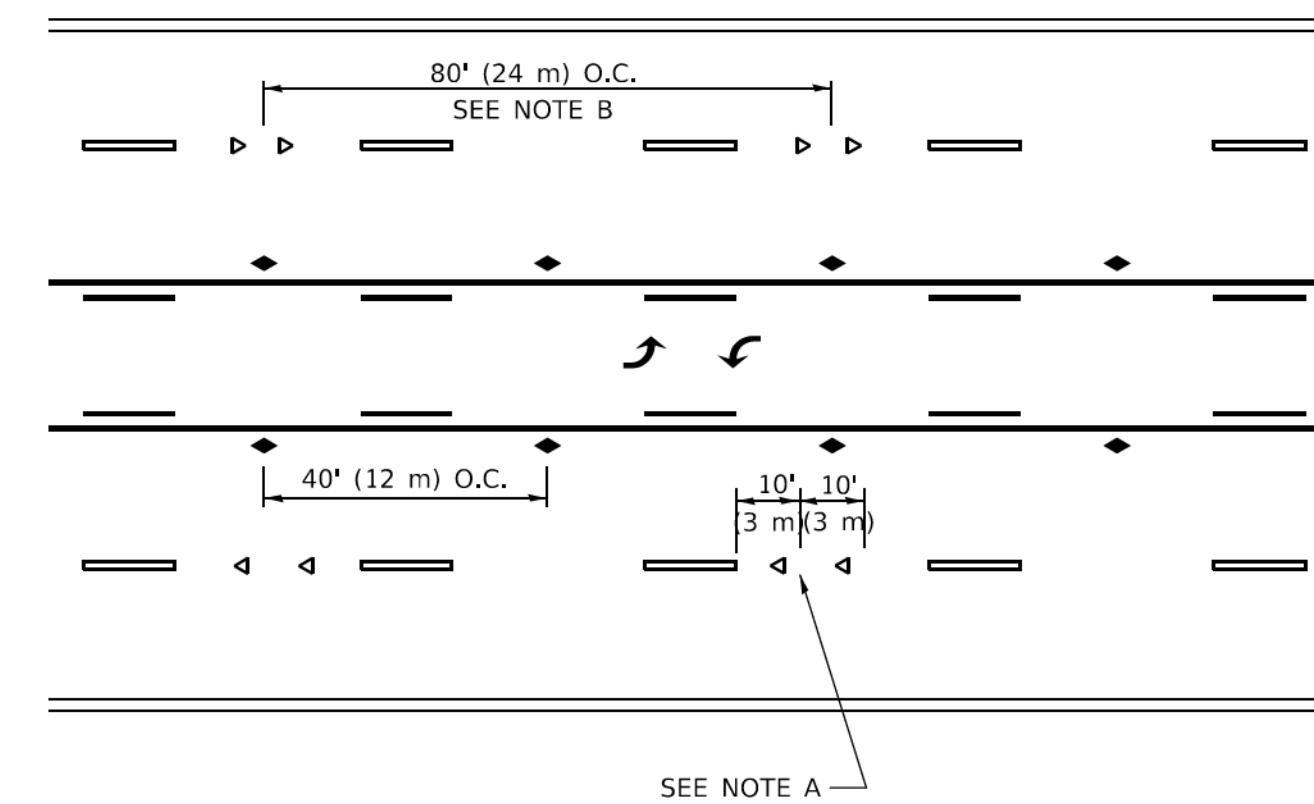


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

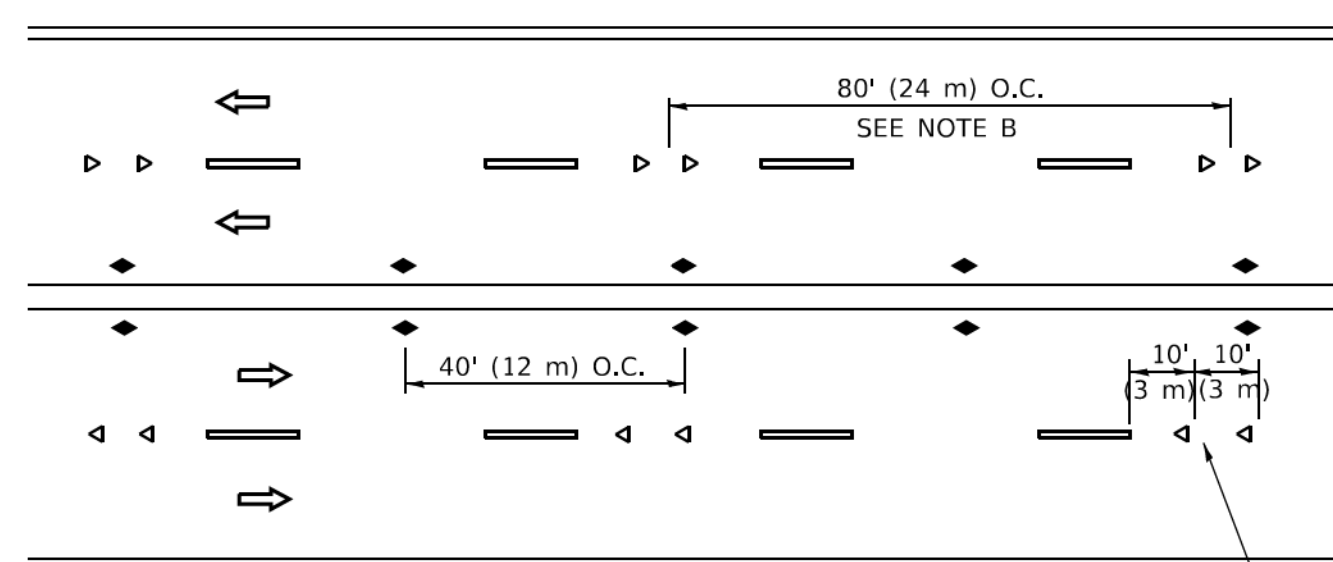
TWO-LANE/TWO-WAY



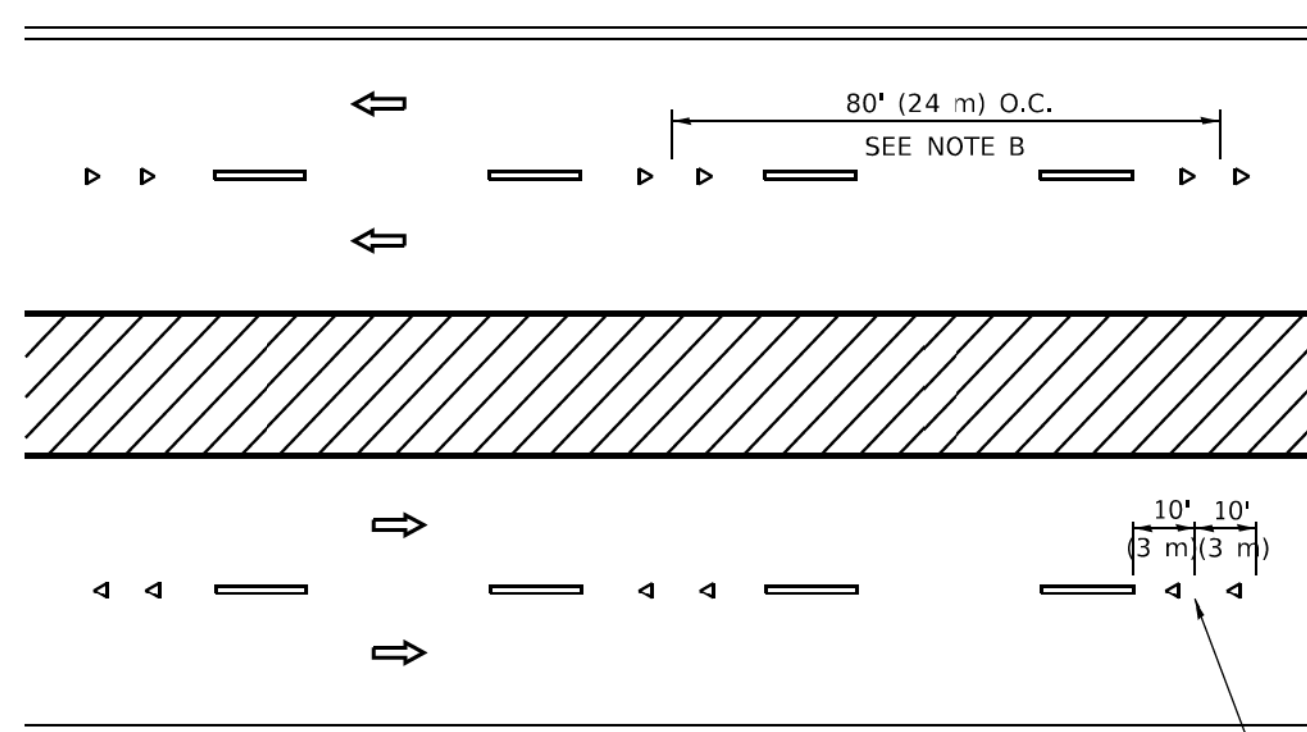
LANE REDUCTION TRANSITION



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

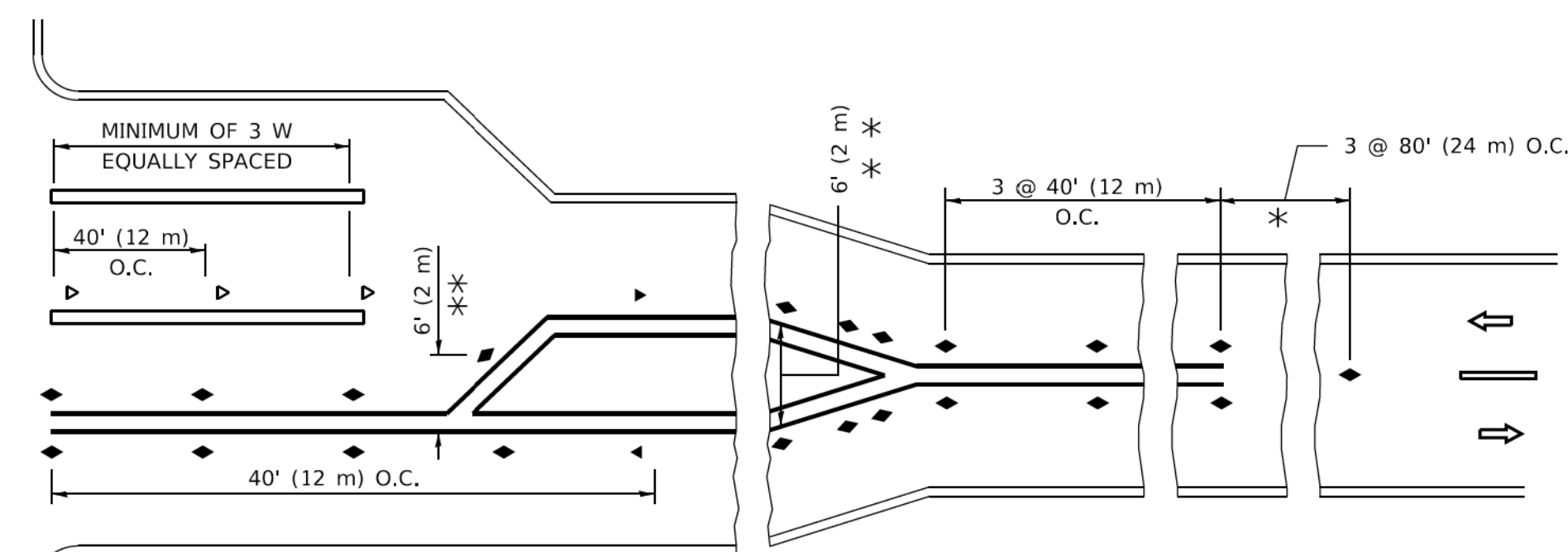
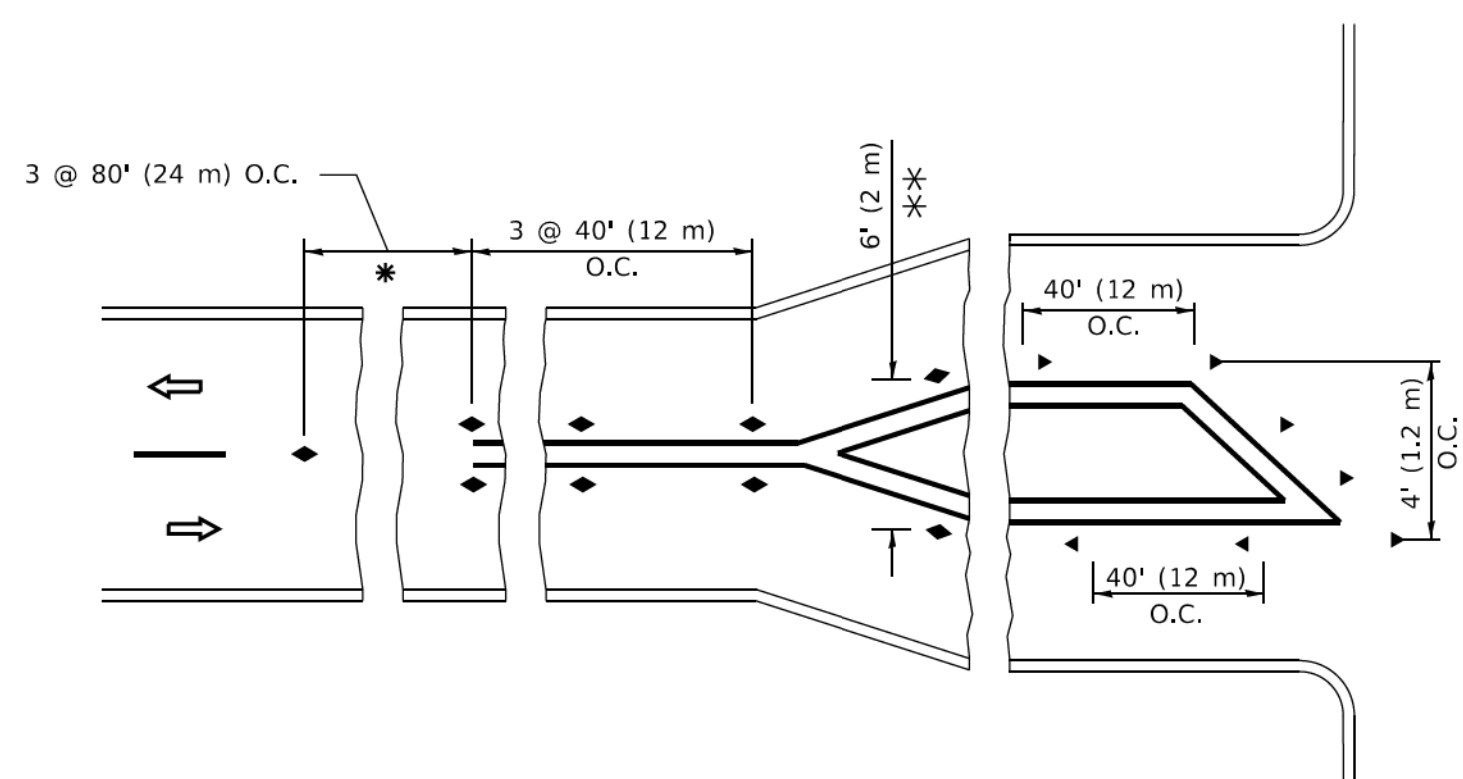
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.



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

TURN LANES

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

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 PROJECT NO. 20-00008-00-RS
 SHEET NO. 26 OF 23
 DATE: 3/4/2019

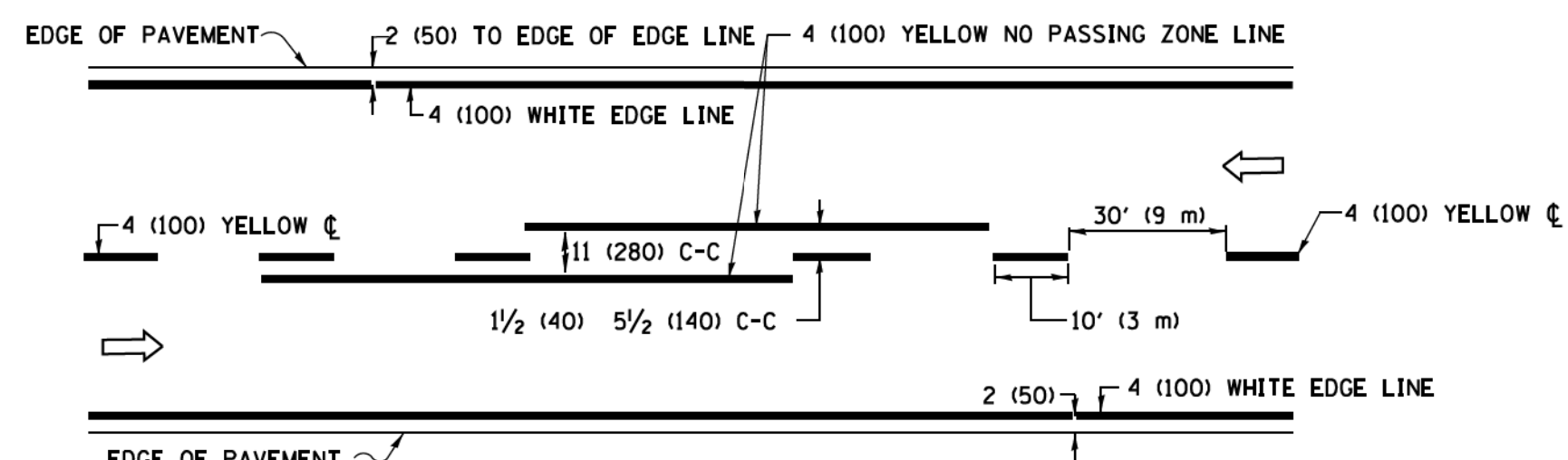
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PLOT DATE = 3/4/2019	DATE -	REVISED - C. JUCIUS 07-01-13

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

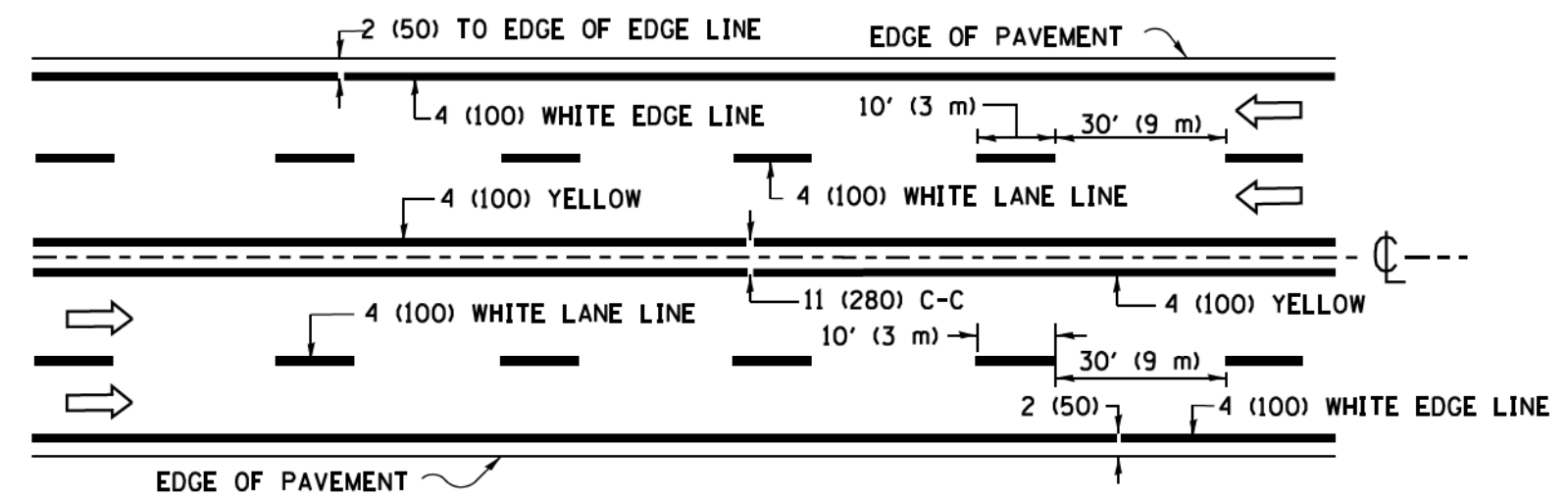
**TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

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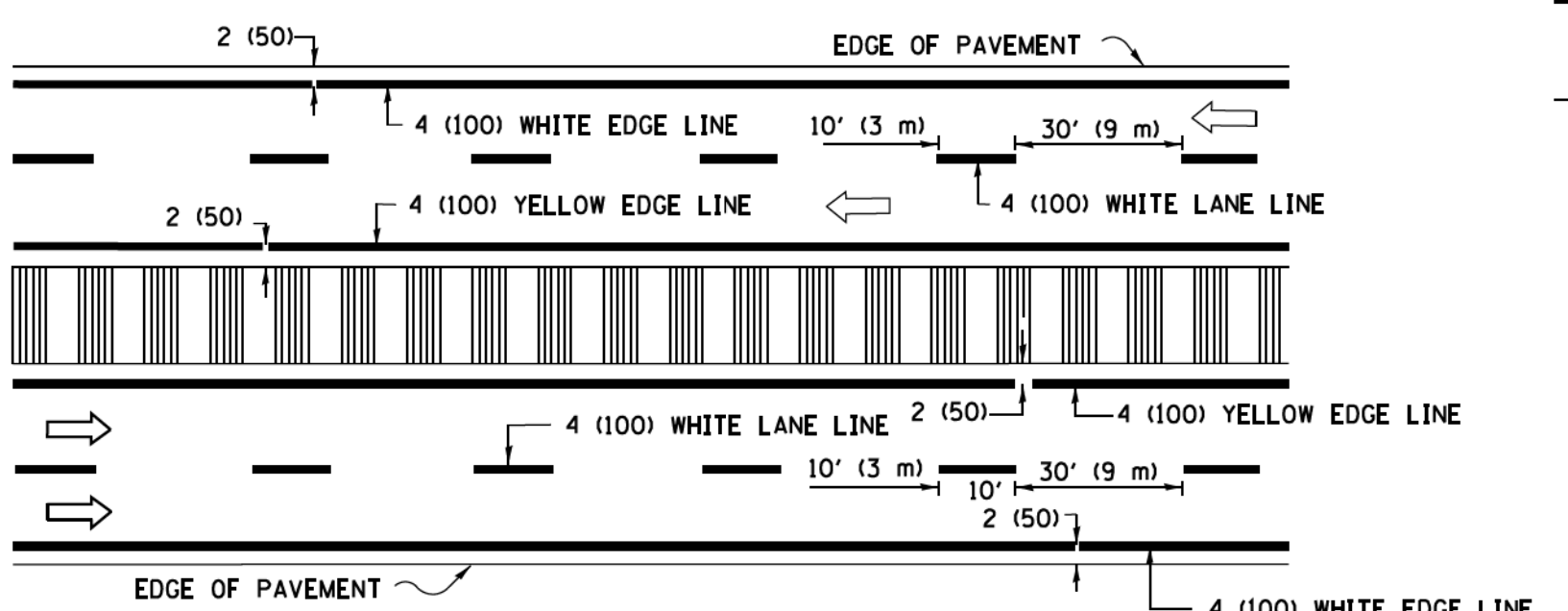
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00008-00-RS	MCHENRY	26	23
TC-11		CONTRACT NO. 61H53		
ILLINOIS		FED. AID PROJECT S49M(198)		



2-LANE ROADWAY

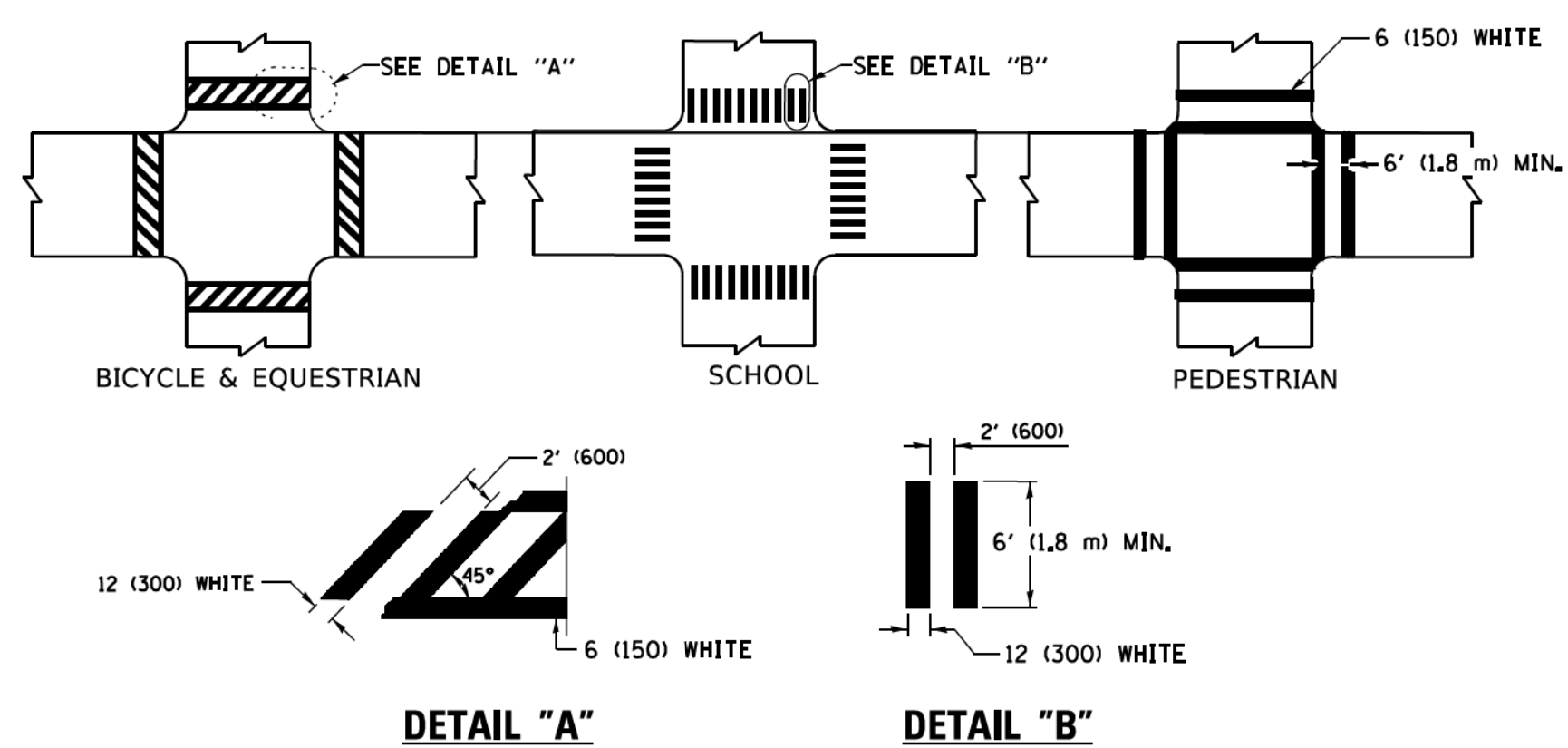


MULTI-LANE UNDIVIDED



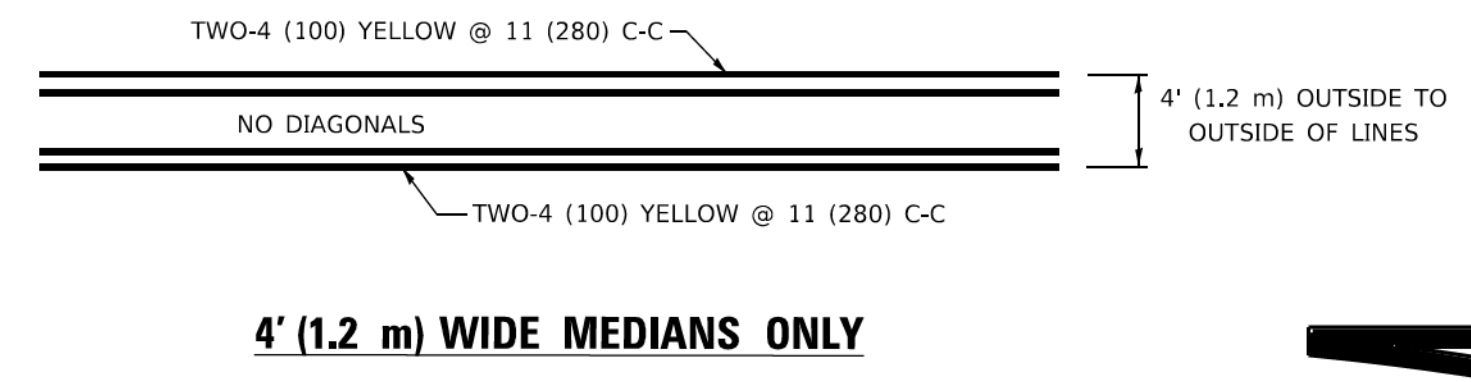
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

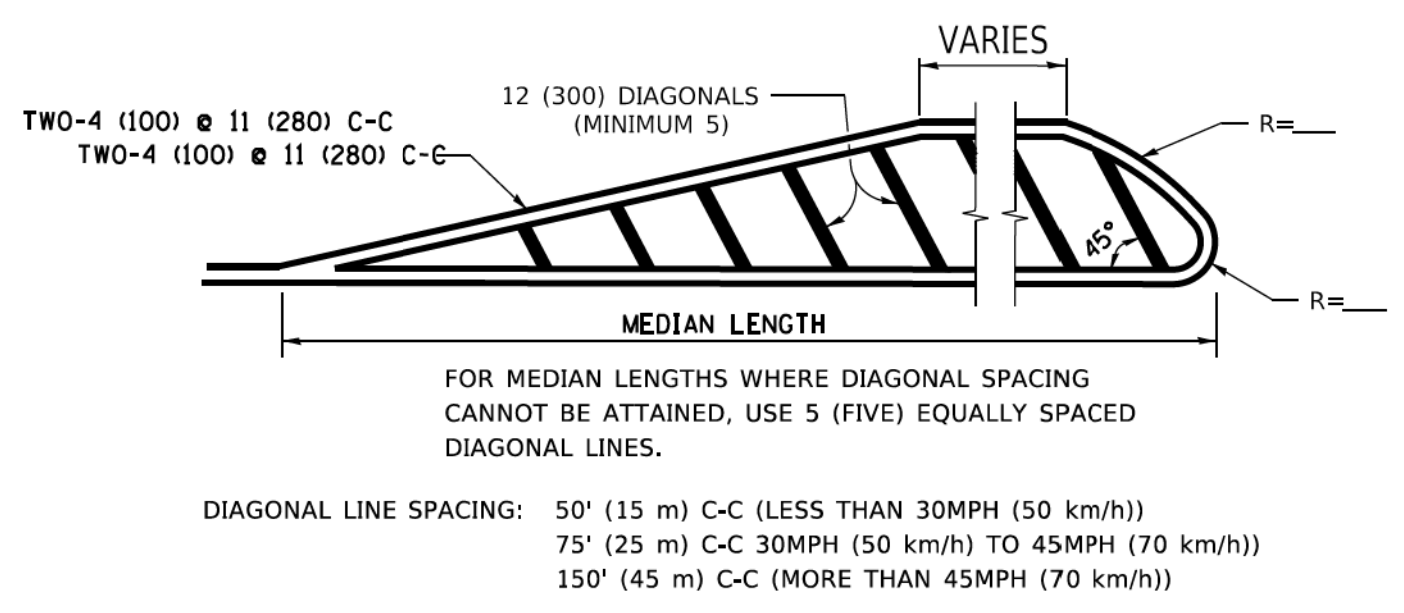


TYPICAL CROSSWALK MARKING

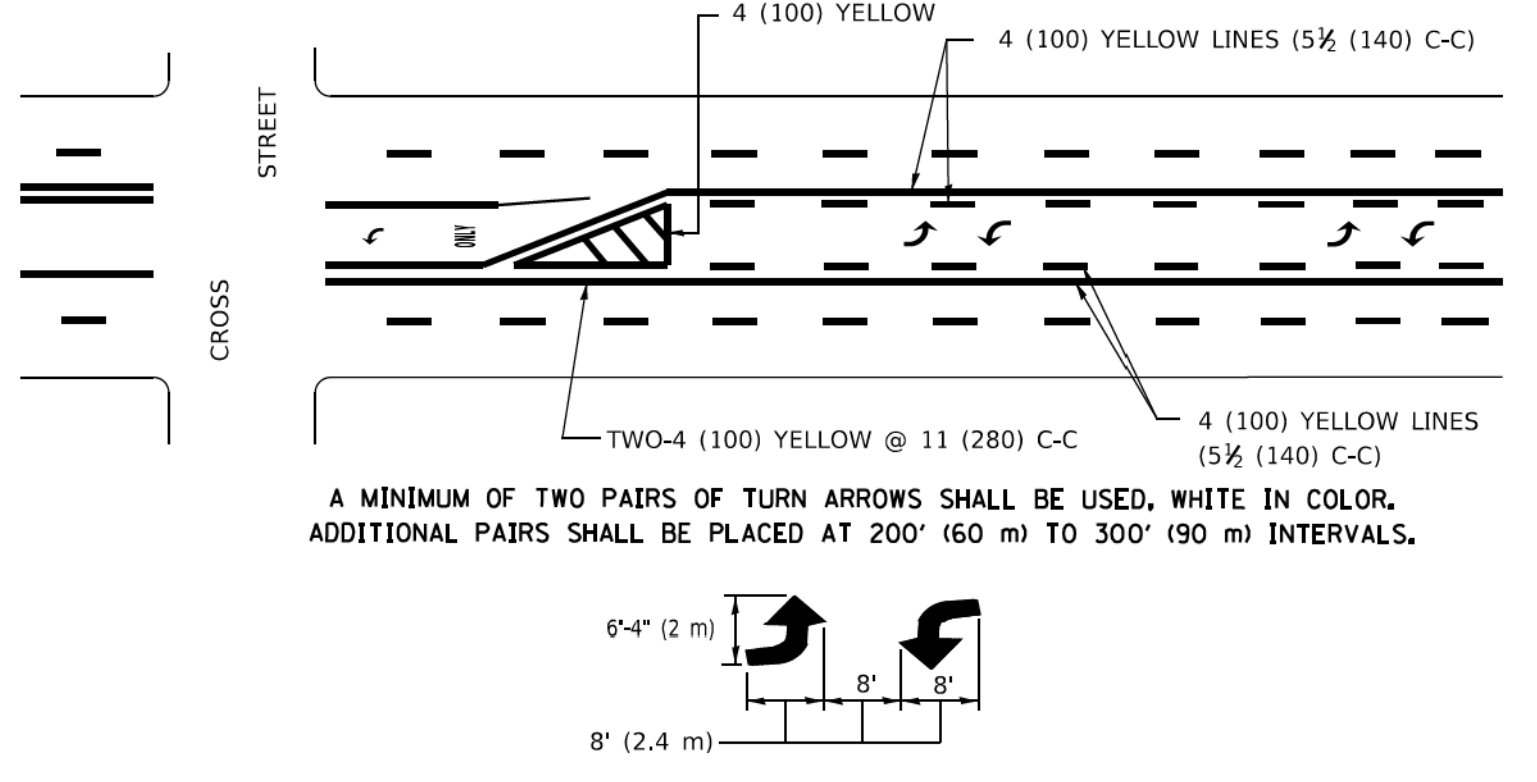
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



4' (1.2 m) WIDE MEDIANS ONLY

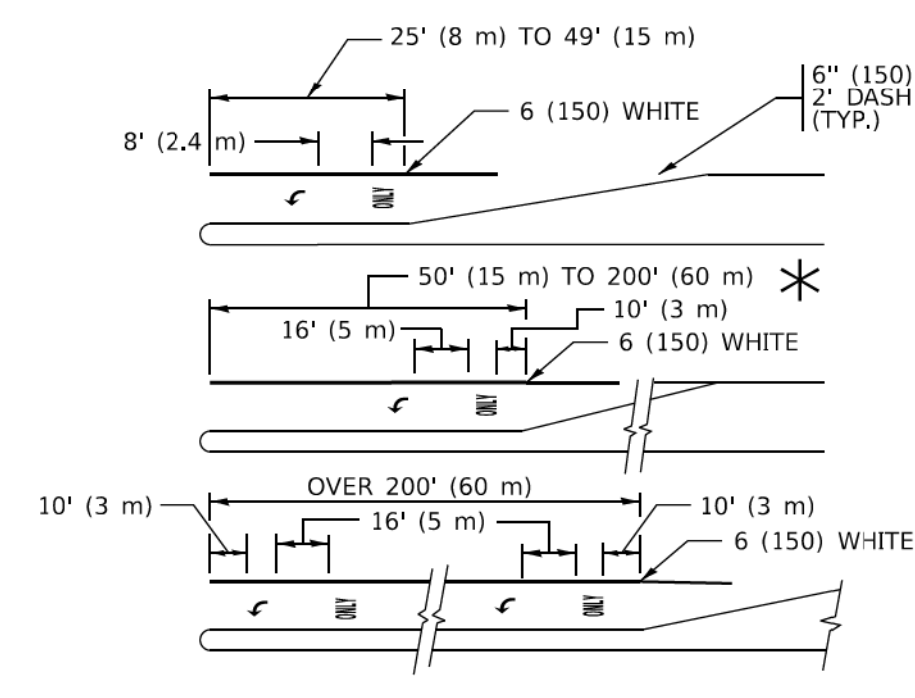


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

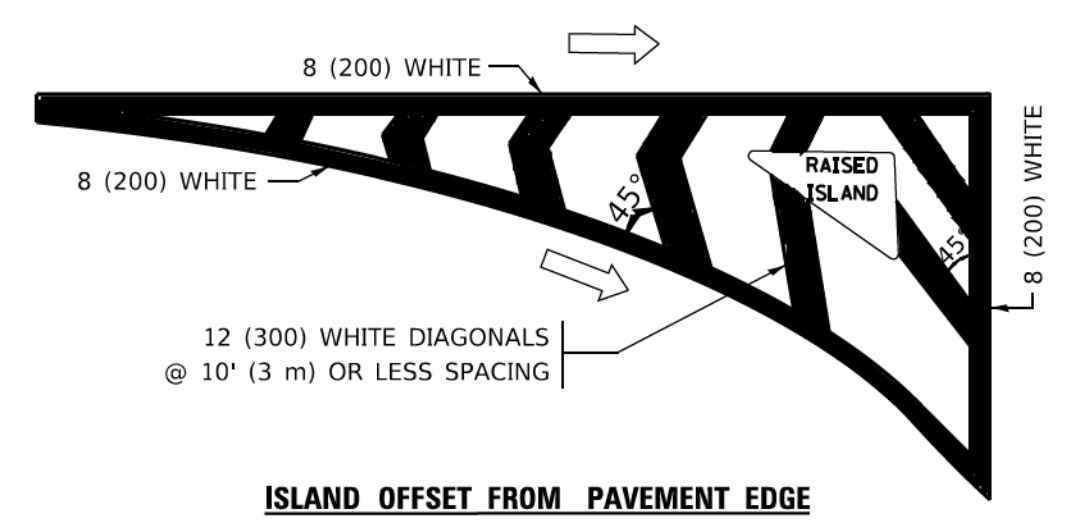
TYPICAL PAINTED MEDIAN MARKING



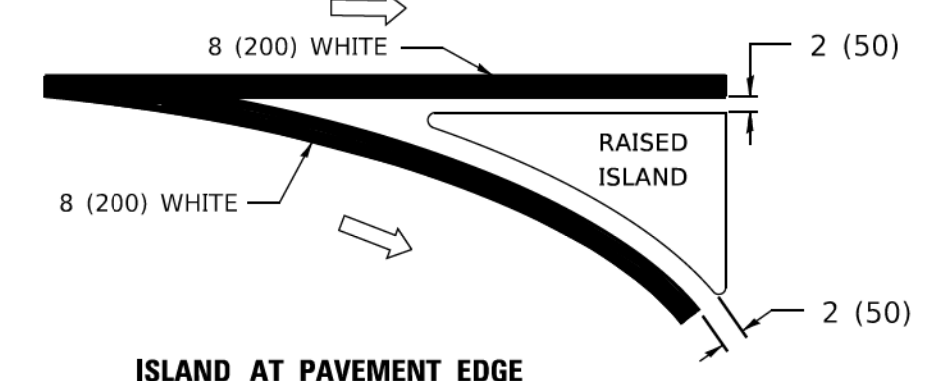
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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".

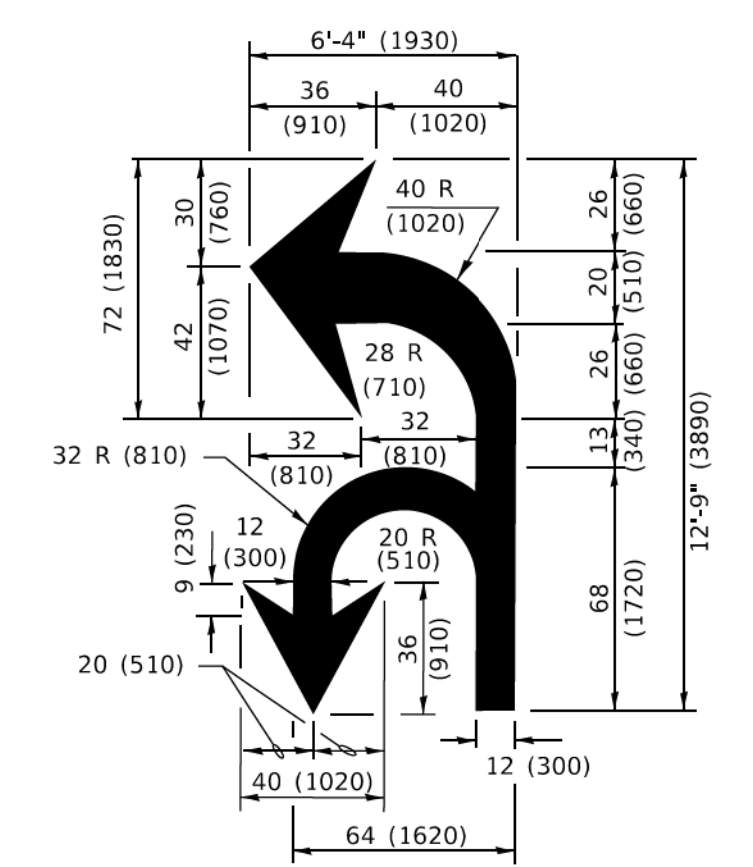


ISLAND OFFSET FROM PAVEMENT EDGE

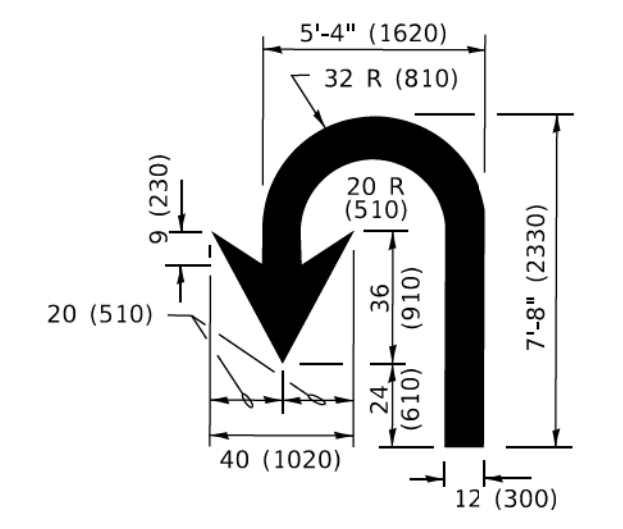


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	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) 2' (600) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: *R*=3.6 SQ. FT. (0.33 m ²) EACH *X*=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM: PLOT-DW-Def-0401-017
 PROJECT NO. 20-00008-00-RS
 THREE NORTH WASHINGTON STREET, SUITE 200, CHICAGO, ILLINOIS 60610-4400

USER NAME = footemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50.0000" / 1 in.	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT DATE = 3/4/2019	CHECKED -	REVISED - C. JUCIUS 12-21-15
	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS			20-00008-00-RS	MCHENRY	26	24
SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TC-13		CONTRACT NO. 61H53	
		TO STA.	ILLINOIS	FED. AID PROJECT	\$49M(198)	

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

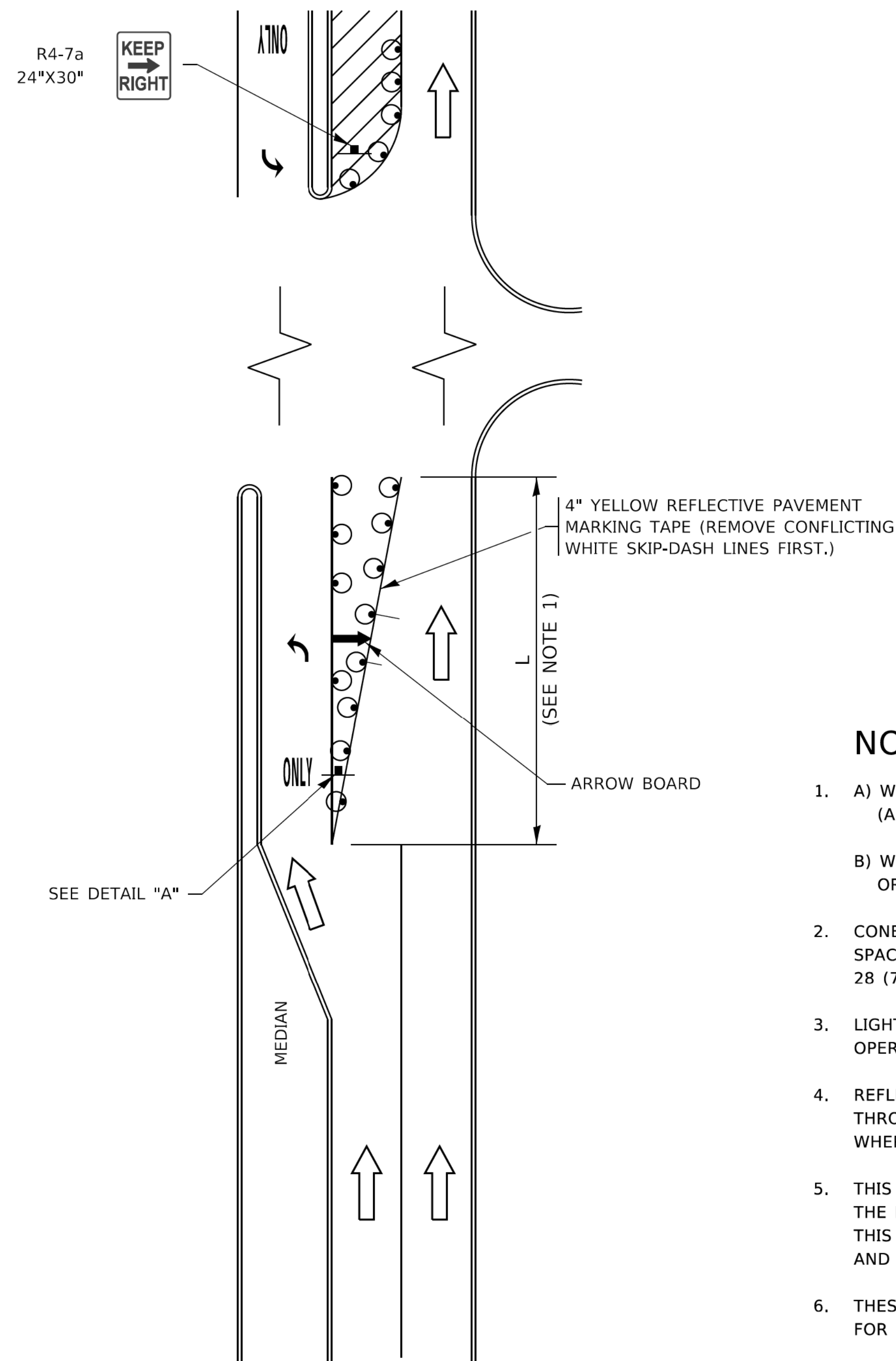


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

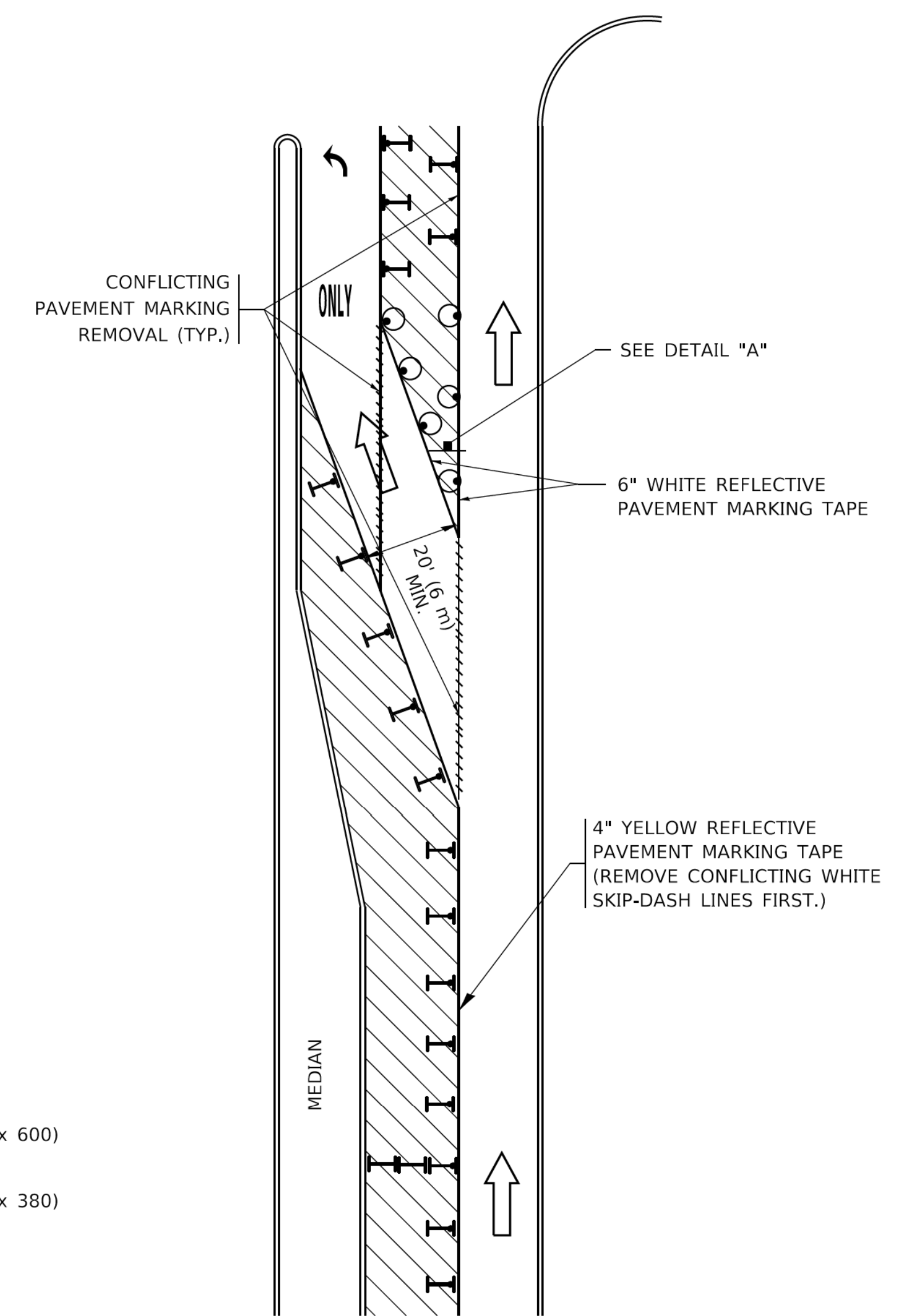


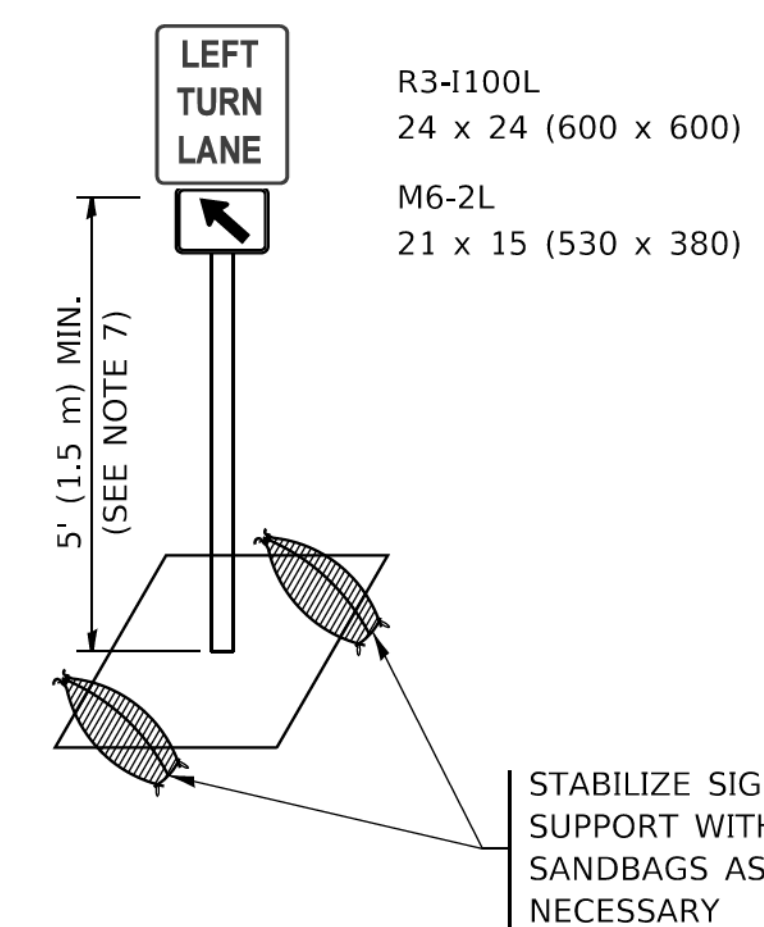
FIGURE 2

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" R3-1100R 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.

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 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 PROJECT NO. 20-00008-00-RS
 SHEET NO. 26 OF 26
 DATE: 3/4/2019

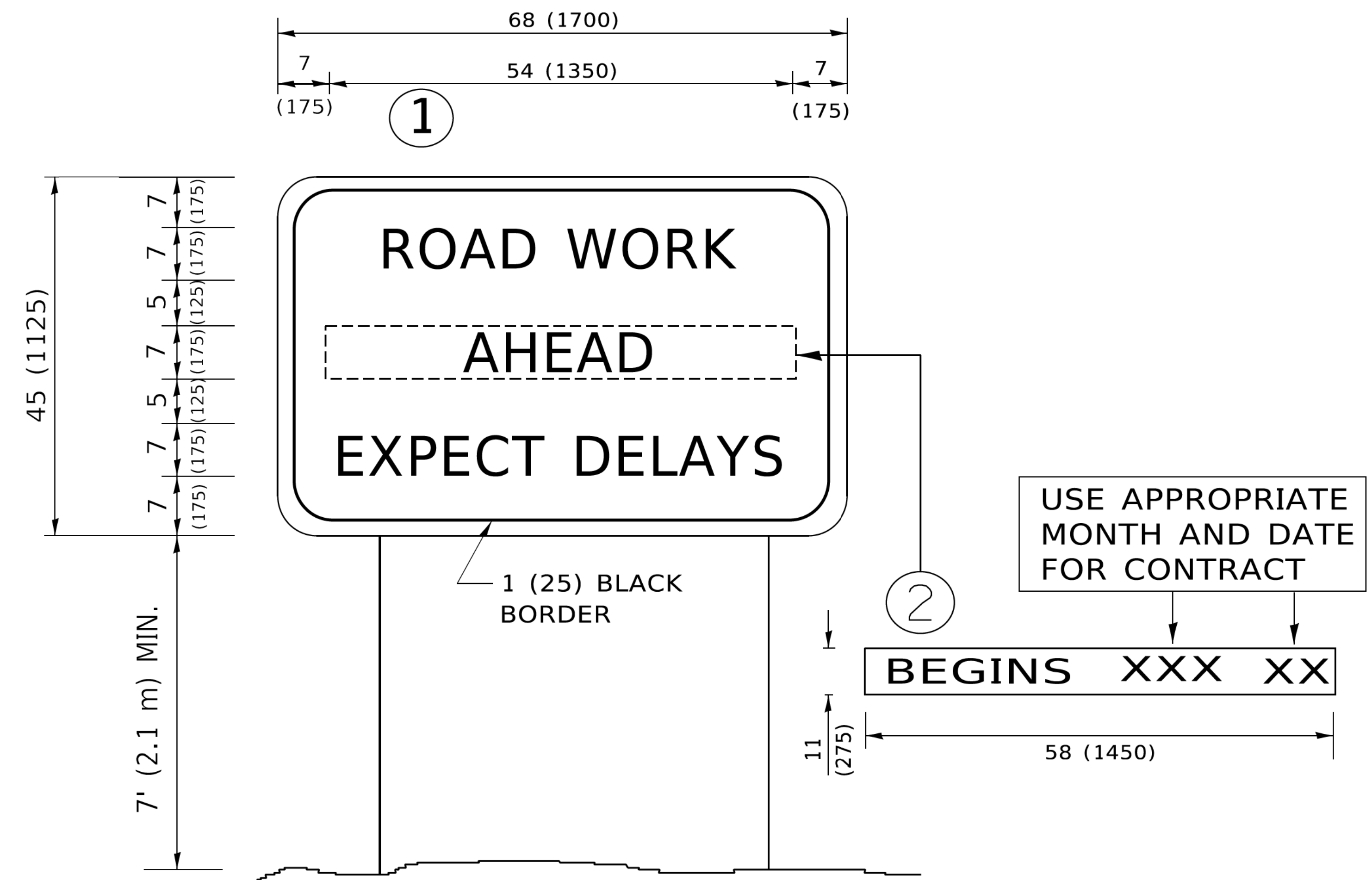
USER NAME = footemj	DESIGNED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
PLOT SCALE = 50.0000' / in.	DRAWN - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/4/2019	CHECKED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16
	DATE - T. RAMMACHER 01-06-00	REVISED -

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	20-00008-00-RS	MCHENRY	26	26
TC-14		CONTRACT NO. 61H53		
ILLINOIS		FED. AID PROJECT S49M(198)		



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.

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 PROJECT NO. 20-00008-00-RS
 SHEET NO. 26 OF 25
 DATE: 3/4/2019

USER NAME = footemj	DESIGNED -	REVISED - R. MIRS 09-15-97
	DRAWN -	REVISED - R. MIRS 12-11-97
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
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.
	20-00008-00-RS	MCHENRY	26	25
TC-22		CONTRACT NO. 61H53		
ILLINOIS		FED. AID PROJECT \$49M(198)		