

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	1
ILLINOIS			CONTRACT NO. 61L12	

03-07-2025 LETTING ITEM 006

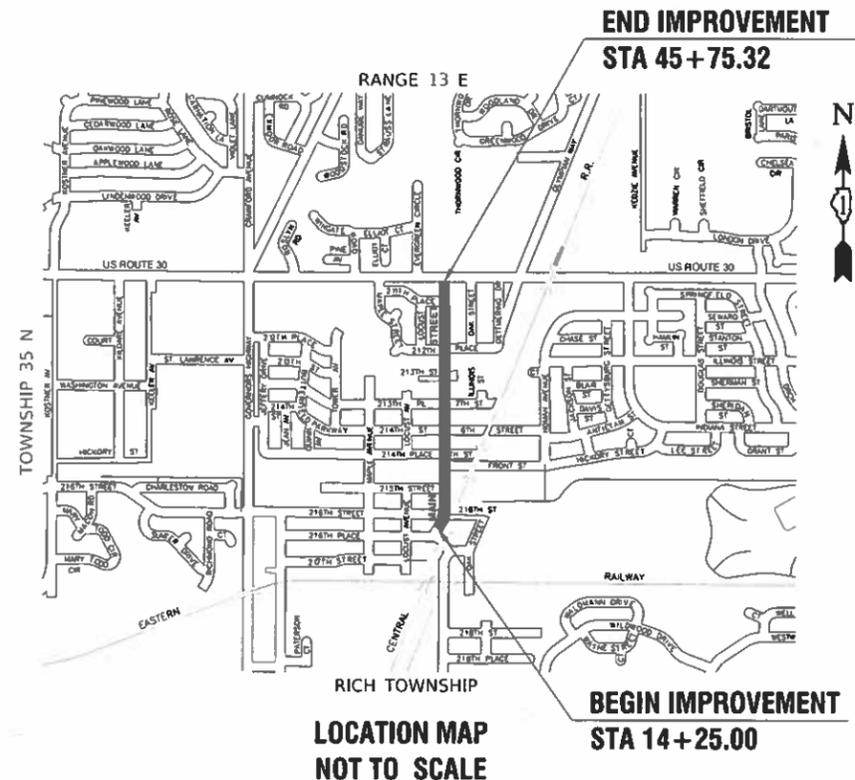
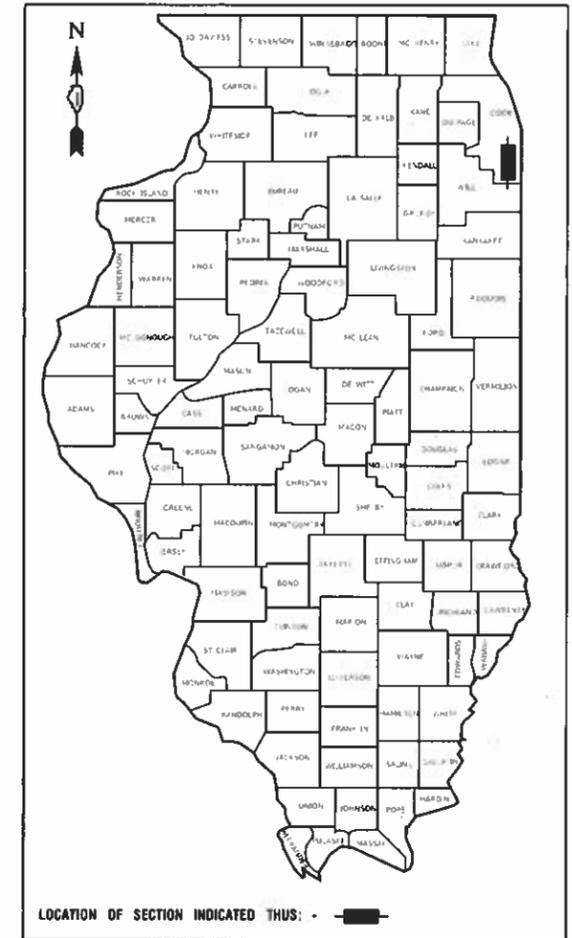
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

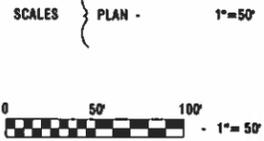
FAU ROUTE 2827 (MAIN STREET)  
216TH STREET TO US ROUTE 30  
ROADWAY RESURFACING  
SECTION NO.: 23-00068-00-RS  
PROJECT NO.: 5VWT(535)  
VILLAGE OF MATTESON  
COOK COUNTY  
JOB NO.: C-91-059-25

FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

<b>MAIN STREET</b>	
<b>216TH STREET TO US ROUTE 30</b>	
<b>2022 ADT-</b>	<b>2,700</b>
<b>POSTED SPEED LIMIT-</b>	<b>30 MPH</b>
<b>FUNCTIONAL CLASSIFICATION-</b>	<b>MINOR COLLECTOR</b>



GROSS LENGTH= 3150.32 FEET= 0.60 MILES  
NET LENGTH= 3150.32 FEET= 0.60 MILES



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J. U. L. I. E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1 - 800 - 892 - 0123  
OR 811

FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, PE, SCHAUMBURG, IL  
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700



*Troy A. Colem*  
11-22-24

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	12-5-2024 <i>Sheila Chandra-Cowan</i> VILLAGE OF MATTESON, PRESIDENT
PASSED	12-30-2024 <i>C. J. ...</i> DISTRICT 7 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	12/30/2024 <i>[Signature]</i> REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF  
THE STATE OF ILLINOIS

CONTRACT NO. 61L12

## INDEX OF SHEETS

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12-13	PAVEMENT MARKING AND SIGNAGE
14-21	IDOT DISTRICT 1 STANDARDS

## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-05	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604051-04	FRAMES AND GRATE TYPE 11
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF ROAD OPERATIONS, MULTILANE, 15'(4.5m) TO 24"(600mm) FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION FOR SPEEDS $\leq$ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-10	URBAN SINGLE LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS

## DISTRICT ONE DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-32	BUTT JOINTS AND HMA TAPER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-26	DRIVEWAY ENTRANCE SIGNING
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING

## GENERAL NOTES

- ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES NOT SPECIFICALLY CALLED OUT ON THE PLANS SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER.
- THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (815-806-0300), AND THE PUBLIC WORKS DIRECTOR, AT THE VILLAGE OF MATTESON (708-748-1411), SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTOR'S USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE THICKNESS OF HMA MIXTURE STATED IN THE SPECIFICATIONS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA SURFACE IS PLACED.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR.
- CLASS D PATCHING QUANTITIES FOR THIS CONTRACT SHALL BE PERFORMED AT THE DIRECTION OF THE ENGINEER AFTER PAVEMENT MILLING.
- NO PAVEMENT PATCHING SHALL BE PERMITTED AFTER FRIDAY AT 3:00 PM OF EACH AND EVERY WEEK AND NO HOLES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT OR OVER THE WEEKEND.
- CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES 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 HEREIN.
- ALL EQUIPMENT SHALL BE REMOVED OFF THE VILLAGE STREETS DURING ALL HOLIDAY WEEKENDS AS COORDINATED WITH THE VILLAGE.
- HMA PAVING SHALL BE PERFORMED WITH HOT JOINTS.
- 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.
- THE CONTRACTOR SHALL TAKE PRECAUTION BY PRESERVING EXISTING TREES WITHIN THE RIGHT OF WAY. IF ANY DAMAGE OCCURS, TREES SHALL BE REPLACED IN KIND PER ARTICLE 201.07.

## COMMITMENTS

NONE.

FILE NAME = 23R0709-INDX-01 - P01	USER NAME =	DESIGNED -- AL	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN STREET ROADWAY RESURFACING			F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --		2827	23-00068-00-RS	COOK	21	2			
	PLOT SCALE =	DRAWN -- RG	REVISED --		INDEX OF SHEETS & STATE STANDARDS, STANDARDS & GENERAL NOTES				CONTRACT NO. 61L12			
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --		SCALE: NONE	SHEET NO. 2	OF 21 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5VWT(535)

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
CONSTRUCTION TYPE CODE					
				0005	0021
20101100	TREE TRUNK PROTECTION	EACH	2	2	
20101200	TREE ROOT PRUNING	EACH	2	2	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	15	15	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	750	750	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9	9	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9	9	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9	9	
25200110	SODDING, SALT TOLERANT	SQ YD	750	750	
25200200	SUPPLEMENTAL WATERING	UNIT	40	40	
28000510	INLET FILTERS	EACH	37	37	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	15	15	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	620		620
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	85	85	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	9,310	9,310	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	3,755	3,755	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	21	21	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	230	230	

\* SPECIALTY ITEM

FILE NAME - 23R0709-QUAN-01 - 001	USER NAME -	DESIGNED - AL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES			F.A.U RTE. 2827	SECTION 23-00068-00-RS	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 3
	PLOT SCALE -	CHECKED - WPD	REVISED -		SCALE: NONE	SHEET NO. 3	OF 21 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5VWT(535)
	PLOT DATE - 12-05-24	DRAWN - RG	REVISED -									
		CHECKED - AG	REVISED -									

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
				CONSTRUCTION TYPE CODE	
				0005	0021
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,790	1,790	
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	1,195	1,195	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	160	160	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,550		5,550
42400800	DETECTABLE WARNINGS	SQ FT	590		590
44000163	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"	SQ YD	13,790	13,790	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	220	220	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,765	2,765	
44000600	SIDEWALK REMOVAL	SQ FT	5,600		5,600
44201773	CLASS D PATCHES, TYPE I, 11 INCH	SQ YD	15	15	
44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	20	20	
44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	25	25	
44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	130	130	
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	4	
60404800	FRAMES AND GRATES, TYPE 11	EACH	4	4	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2,765	2,765	
67100100	MOBILIZATION	L SUM	1	1	

\* SPECIALTY ITEM

FILE NAME = 23R0709-QUAN-01 - D02	USER NAME =	DESIGNED -- AL	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES	F.A.U. RTE. 2827	SECTION 23-00068-00-RS	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 4		
	PLOT SCALE =	CHECKED -- WPD	REVISED --			SCALE:	SHEET NO. 4 OF 21 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5VWT(535)
	PLOT DATE = 12-05-24	DRAWN -- BG	REVISED --									
		CHECKED -- AG	REVISED --									

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
CONSTRUCTION TYPE CODE					
				0005	0021
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	150	150	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1,420		1,420
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	475		475
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	450		450
70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	5,970		5,970
70300241	TEMPORARY PAVEMENT MARKING - LINE 6" - PAINT	FOOT	9,105		9,105
70300251	TEMPORARY PAVEMENT MARKING - LINE 8" - PAINT	FOOT	540		540
70300261	TEMPORARY PAVEMENT MARKING - LINE 12" - PAINT	FOOT	4,005		4,005
70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	930		930
* 72000100	SIGN PANEL - TYPE 1	SQ FT	35		35
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4		4
* 72900100	METAL POST - TYPE A	FOOT	72		72
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	150		150

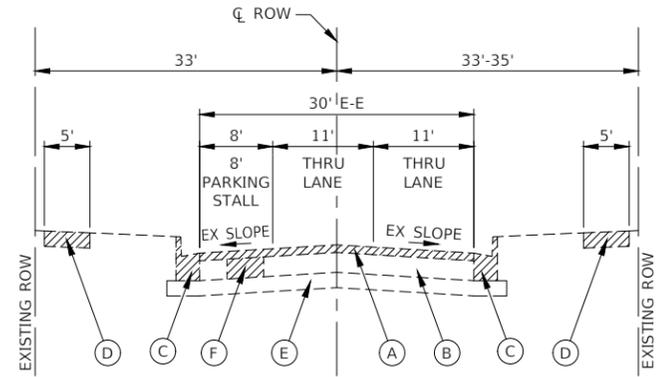
\* SPECIALTY ITEM

FILE NAME = 23R0709-QUAH-01 - 003	USER NAME =	DESIGNED -- AL	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES			F.A.U. RTE. 2827	SECTION 23-00068-00-RS	COUNTY COOK	TOTAL SHEETS 21	SHEET NO. 5
	PLOT SCALE =	CHECKED -- WPD	REVISED --		SCALE:	SHEET NO. 5	OF 21	SHEETS	STA.	TO STA.	CONTRACT NO. 61L12	
	PLOT DATE = 12-05-24	DRAWN -- BG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 5VWT(535)							
		CHECKED -- AG	REVISED --									

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	FED 80%	FED 80%
				VILLAGE 20%	VILLAGE 20%
				ROADWAY	SAFETY
				CONSTRUCTION TYPE CODE	
				0005	0021
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,990		1,990
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3,035		3,035
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	180		180
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,335		1,335
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	310		310
* 78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT	80		80
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	13,050		13050
K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1		1
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	80		80
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	60	60	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	90	90	
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	3	3	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	26		26

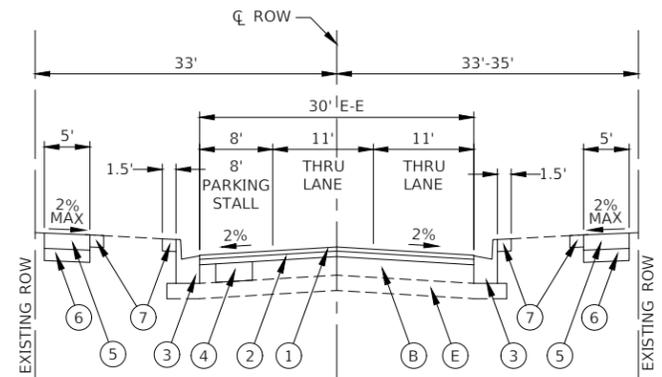
\* SPECIALTY ITEM

FILE NAME = 23R0709-QUAN-01 - 004	USER NAME =	DESIGNED -- AL	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAIN STREET ROADWAY RESURFACING SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -- WPD	REVISED --		SCALE:	SHEET NO. 6 OF 21 SHEETS	STA.	2827	23-00068-00-RS	COOK	21	6
	PLOT DATE = 12-05-24	DRAWN -- BG	REVISED --									
		CHECKED -- AG	REVISED --					FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	5VWT(635)	CONTRACT NO. 61L12



**EXISTING TYPICAL SECTION**

MAIN STREET  
STA 14+25.00 TO STA 45+75.32



**PROPOSED TYPICAL SECTION**

MAIN STREET  
STA 14+25.00 TO STA 45+75.32

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 13 1/4" TO 13 1/2"
- (C) EXISTING COMBINATION CURB AND GUTTER REMOVAL (AT LOCATIONS AS SHOWN ON PLANS OR DIRECTED BY ENGINEER)
- (D) EXISTING PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL (AT LOCATIONS AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)
- (E) EXISTING SUBBASE, 4.5" TO 10"
- (F) PAVEMENT REMOVAL FOR CLASS D PATCHES, 11 INCH (AT LOCATIONS AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)
- [Hatched Box] ITEMS TO BE REMOVED (AS DIRECTED BY ENGINEER)

**PROPOSED LEGEND**

- (1) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5. MIX "D", N50, 1 1/2"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- (3) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (AT LOCATIONS AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)
- (4) CLASS D PATCHES, 11 INCH (AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" OR 7" (AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)
- (6) AGGREGATE BASE COURSE, TYPE B 4"
- (7) TOPSOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT (AT LOCATIONS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER)

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

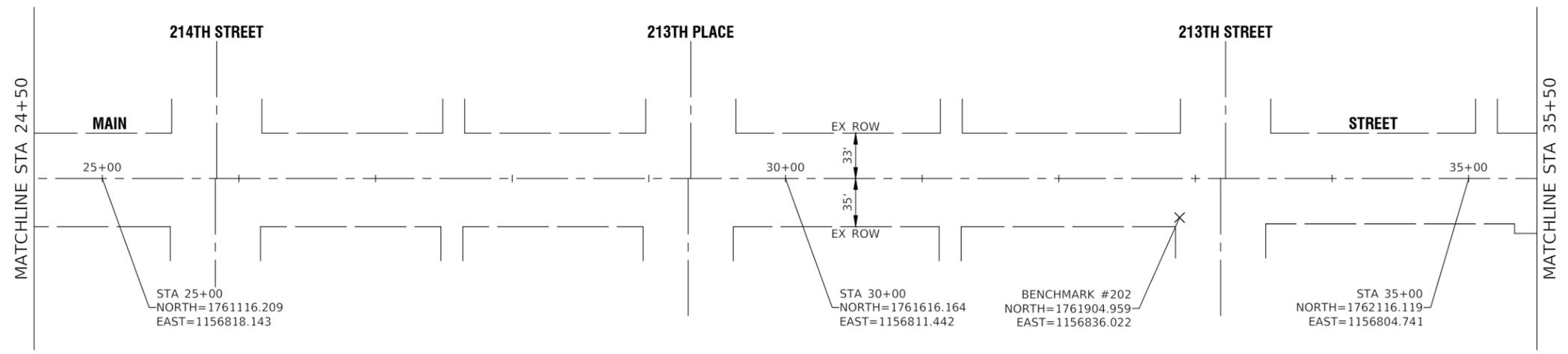
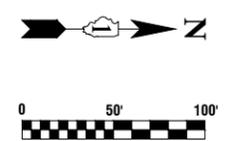
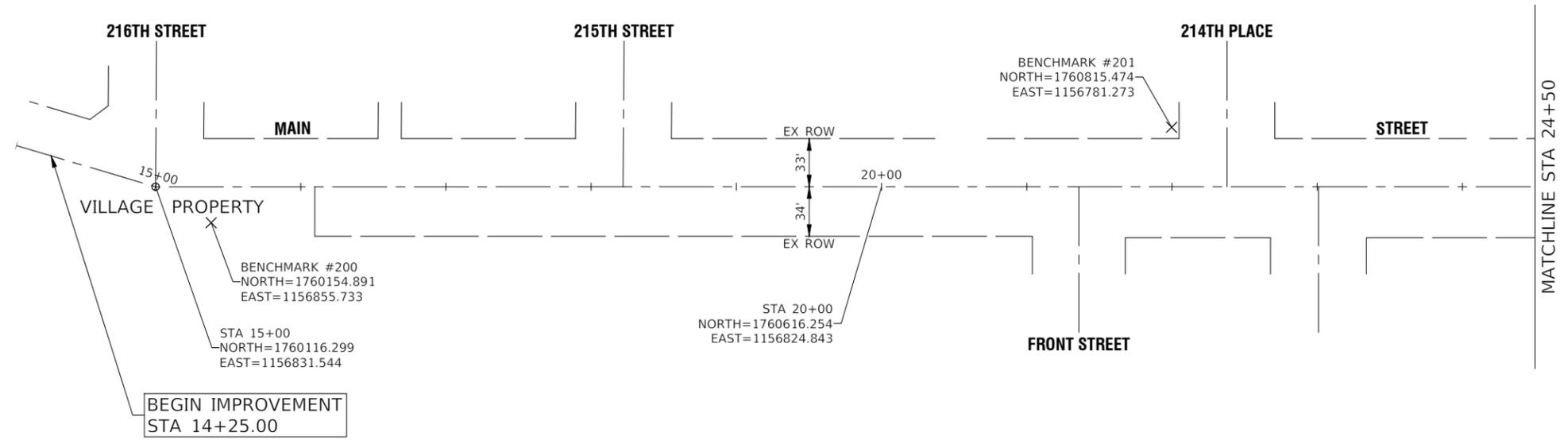
MIXTURE TYPE	AIR VOIDS @ Ndes	QMP
ROADWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"	4% @ 50 Gyr.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	4% @ 50 Gyr.	LR 1030-2
HMA DRIVEWAY PAVEMENT, 4"		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"	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 IL-19mm), 11"	4% @ 50 Gyr.	LR 1030-2

QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR1030-2

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

**NOTE**

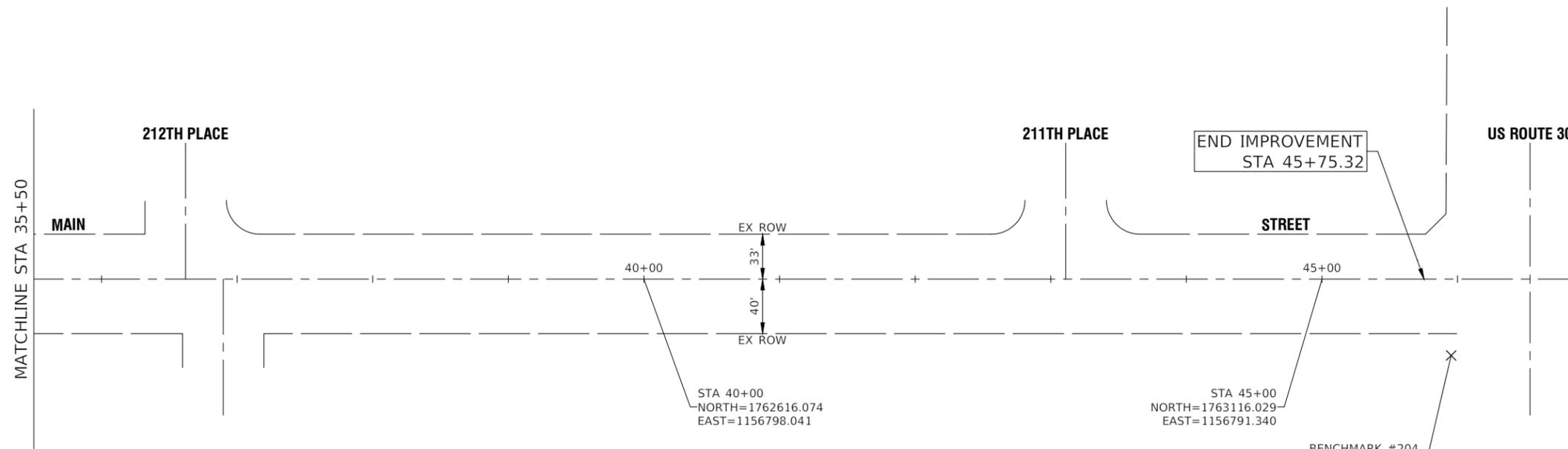
- LONGITUDINAL JOINT SEALANT SHALL BE PLACED ON THE HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50.
- ALL PATCHING OPERATIONS SHALL TAKE PLACE AFTER SURFACE MILLING HAS BEEN COMPLETED.



**NOTES**

1. COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983.
2. SURVEY FEET UNITS WERE USED.
3. ALL ELEVATIONS REFER TO NAVD88 DATUM.

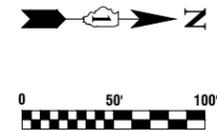
FILE NAME = 23R0709-TIES-01 - P01	USER NAME =	DESIGNED -- AL	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN STREET ROADWAY RESURFACING ALIGNMENT AND TIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		CHECKED -- WPD	REVISED --		SCALE: 1"=50'	SHEET NO. 8	OF 21 SHEETS	STA.	TO STA.	2827	23-00068-00-RS	COOK	21	8
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61L12									
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT 5VWT(535)									



STA 40+00  
 NORTH=1762616.074  
 EAST=1156798.041

STA 45+00  
 NORTH=1763116.029  
 EAST=1156791.340

BENCHMARK #204  
 NORTH=1763212.084  
 EAST=1156846.199



**NOTES**

1. COORDINATES ARE BASED ON ILLINOIS STATE PLANE EASTERN ZONE NORTH AMERICAN DATUM 1983.
2. SURVEY FEET UNITS WERE USED.
3. ALL ELEVATIONS REFER TO NAVD88 DATUM.

FILE NAME = 23R0709-TIES-01 - P02

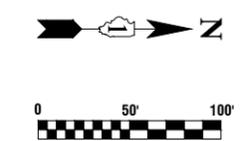
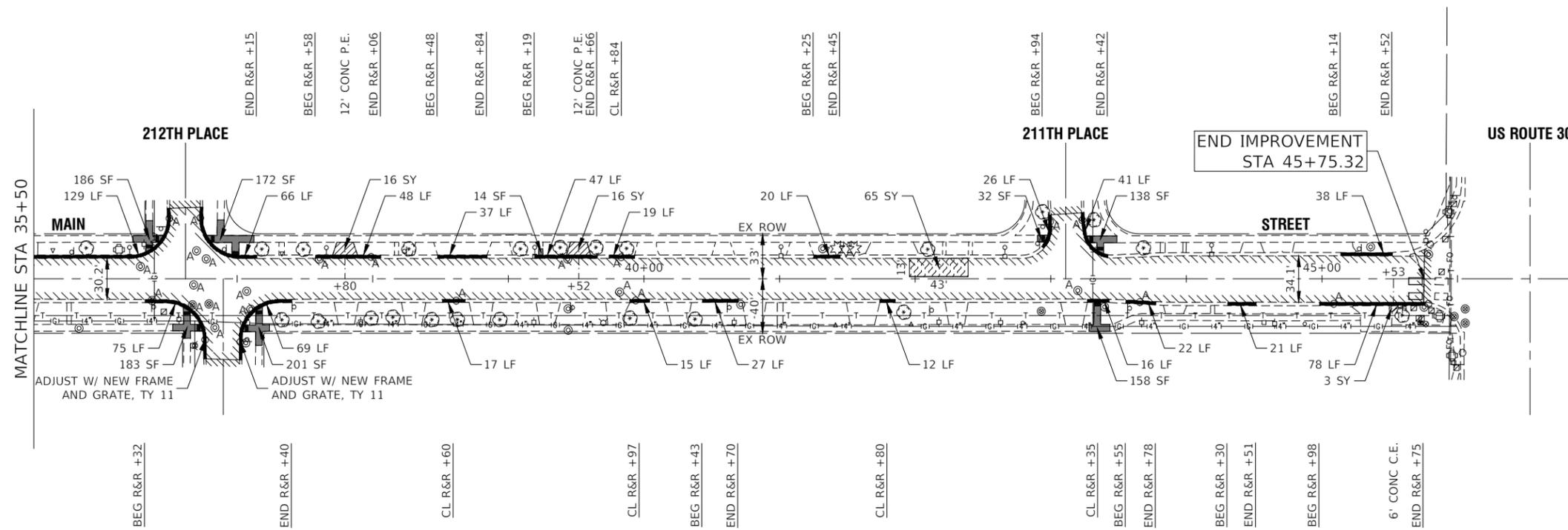
USER NAME =	DESIGNED -- AL	REVISED --
	CHECKED -- WPD	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET    ROADWAY RESURFACING    ALIGNMENT AND TIES</b>	
SCALE: 1"=50'	SHEET NO. 9 OF 21 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	9
CONTRACT NO. 61L12				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	5VWT(535)	





**LEGEND**

- HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/2"
- HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50, 1 1/2"
- SIDEWALK REMOVAL
- SIDEWALK REMOVAL  
PCC SIDEWALK 5 INCH (7 INCH THRU DRIVEWAYS)  
AGGREGATE BASE COURSE, TYPE B 4"
- CLASS D PATCHES, 11 INCH  
REMOVAL OF UNSUITABLE MATERIAL (AS DIRECTED BY ENGINEER)  
AGGREGATE SUBGRADE IMPROVEMENT (AS DIRECTED BY ENGINEER)
- DRIVEWAY PAVEMENT REMOVAL  
HMA DRIVEWAY PAVEMENT, 4"
- DRIVEWAY PAVEMENT REMOVAL  
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7"
- DETECTABLE WARNINGS - DW
- COMBINATION CURB AND GUTTER REMOVAL  
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- "A" DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED  
VALVE BOXES TO BE ADJUSTED
- "R" DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED
- EXISTING DETECTOR LOOP
- DETECTOR LOOP REPLACEMENT
- HMA SURFACE REMOVAL - BUTT JOINT
- BEG R&R +XX BEGIN STATION FOR CURB AND GUTTER REMOVAL AND REPLACEMENT
- END R&R +XX END STATION OF CURB AND GUTTER REMOVAL AND REPLACEMENT
- CL R&R +XX CENTER OF CURB AND GUTTER REMOVAL AND REPLACEMENT (UNDER 20 LINEAL FEET)
- TREE TRUNK PROTECTION  
TREE ROOT PRUNING

**NOTES:**

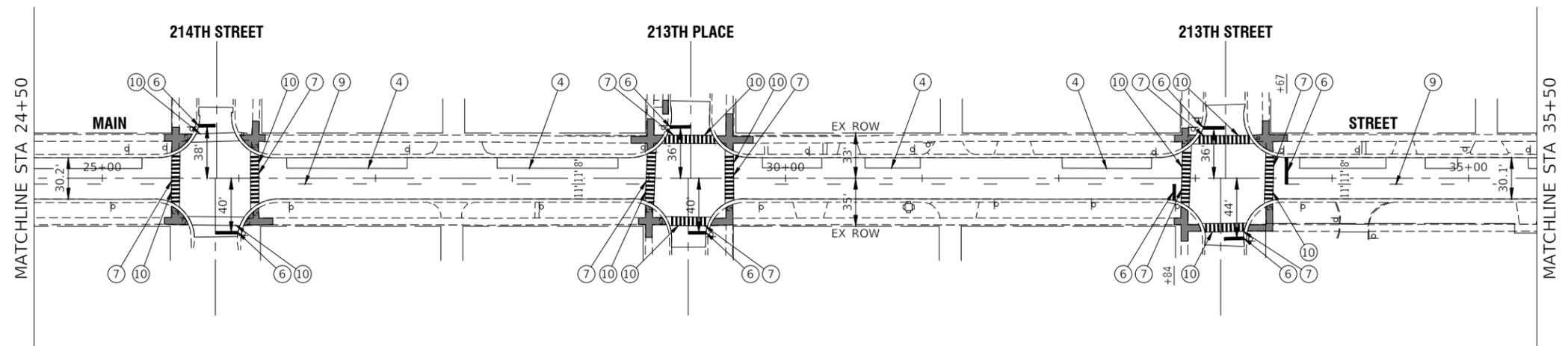
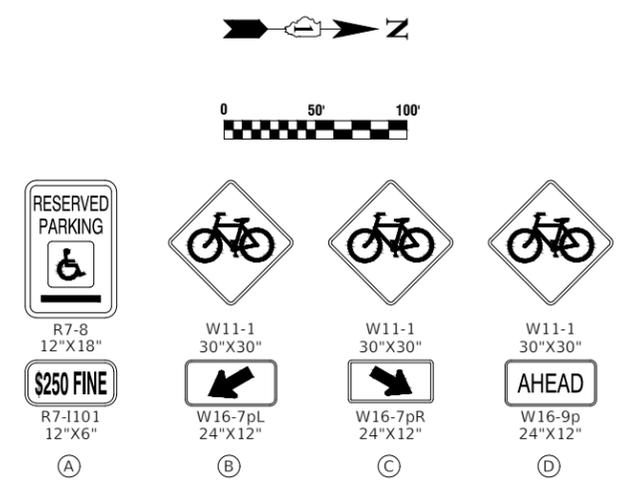
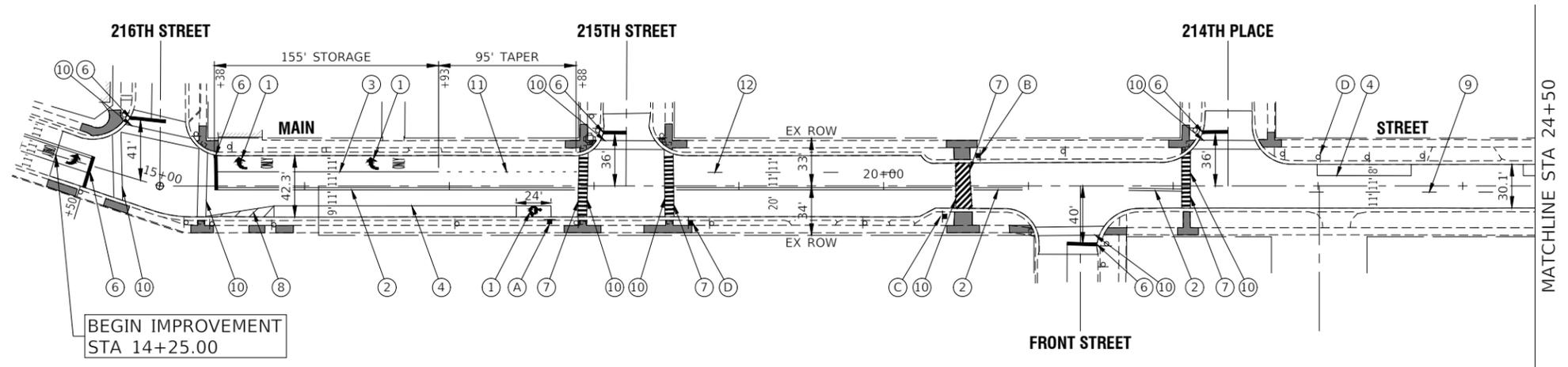
ALL SIDEWALK RAMPS SHALL BE IN ACCORDANCE WITH THE HIGHWAY STANDARDS REFERENCED ON SHEET 2.

AREAS WHERE SIDEWALK IS TO BE REMOVED AND NOT REPLACED SHALL BE REPLACED WITH "TOPSOIL FURNISH AND PLACE, 4'" AND "SODDING, SALT TOLERANT" UNLESS OTHERWISE NOTED.

FILE NAME = 23R0709-PLAN-01 - P02	USER NAME =	DESIGNED -- AL	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAIN STREET ROADWAY RESURFACING PROPOSED IMPROVEMENT PLAN</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2827	23-00068-00-RS	COOK	21	11
		CONTRACT NO. 61L12				
SCALE: 1"=50'	SHEET NO. 11 OF 21 SHEETS	STA.	TO STA.			
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5VWT(535)		



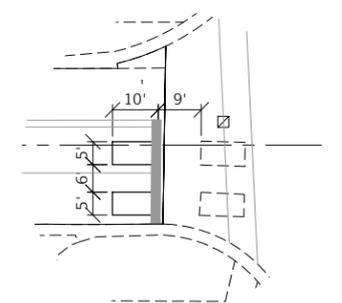
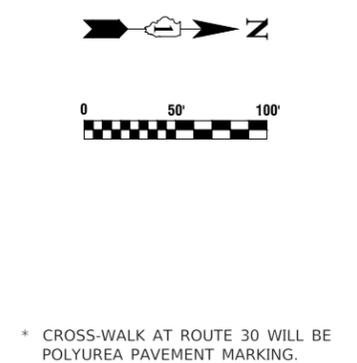
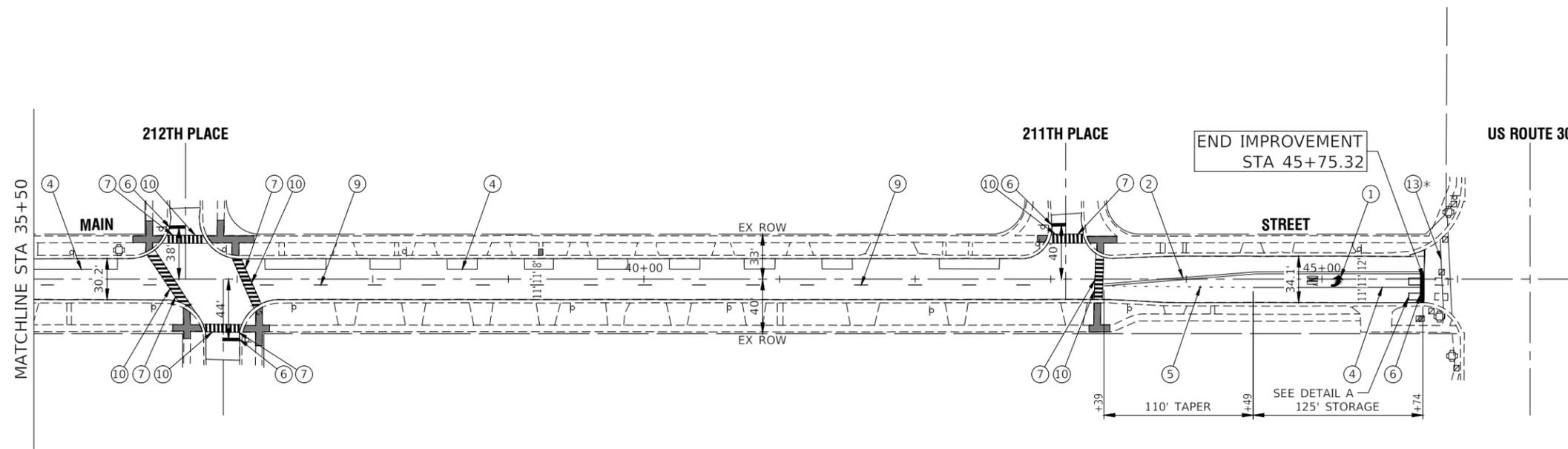
**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW LINE (11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE LANE LINE
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SKIP DASH (2' LINE-6' SPACE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSS-WALK (3' C-C)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE (45° ANGLE, 20' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SKIP DASH (10' LINE-30' SPACE)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE CROSS-WALK (6' C-C OR AS DIMENSIONED)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SKIP DASH (3' LINE - 9' SPACE)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE - 30' SPACE)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" WHITE CROSS-WALK (6' C-C OR AS DIMENSIONED)
- SIGN PANEL - TYPE 1  
METAL POST - TYPE A
- EXISTING DETECTOR LOOP
- DETECTOR LOOP REPLACEMENT

**NOTES**

1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.

FILE NAME = 23R0709-PVMK-01 - P01	USER NAME =	DESIGNED -- AL	REVISED --	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAIN STREET ROADWAY RESURFACING PAVEMENT MARKING AND SIGNING</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- WPD	REVISED --		2827	23-00068-00-RS	COOK	21	12			
	PLOT SCALE =	DRAWN -- RG	REVISED --		CONTRACT NO. 61L12							
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 5VWT(535)							
				SCALE: 1"=50'	SHEET NO. 12 OF 21 SHEETS	STA.	TO STA.					



**DETAIL A**  
 DETECTOR LOOP REPLACEMENT DETAIL  
 SCALE: 1"=20'

**PAVEMENT MARKING LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS & SYMBOLS
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW LINE (11" C-C)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE LANE LINE
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE LANE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 6" WHITE SKIP DASH (2' LINE-6' SPACE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" WHITE STOP BAR LINE
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 12" WHITE CROSS-WALK (3' C-C)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL LINE (45° ANGLE, 20' C-C)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW SKIP DASH (10' LINE-30' SPACE)
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- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 8" WHITE SKIP DASH (3' LINE - 9' SPACE)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 4" WHITE SKIP DASH (10' LINE - 30' SPACE)
- ⑬ POLYUREA PAVEMENT MARKING TYPE I - LINE 6" WHITE CROSS-WALK (6' C-C OR AS DIMENSIONED)
- SIGN PANEL - TYPE 1  
 METAL POST - TYPE A
- EXISTING DETECTOR LOOP
- DETECTOR LOOP REPLACEMENT

**NOTES**

1. SEE TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKING FOR GUIDANCE.
2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE SHOWN.

FILE NAME = 23R0709-PVMK-01 - P02	USER NAME =	DESIGNED -- AL	REVISED --
		CHECKED -- WPD	REVISED --
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 12-05-24	CHECKED -- AG	REVISED --

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MAIN STREET ROADWAY RESURFACING PAVEMENT MARKING AND SIGNING			
SCALE: 1"=50'	SHEET NO. 13 OF 21 SHEETS	STA. TO STA.	

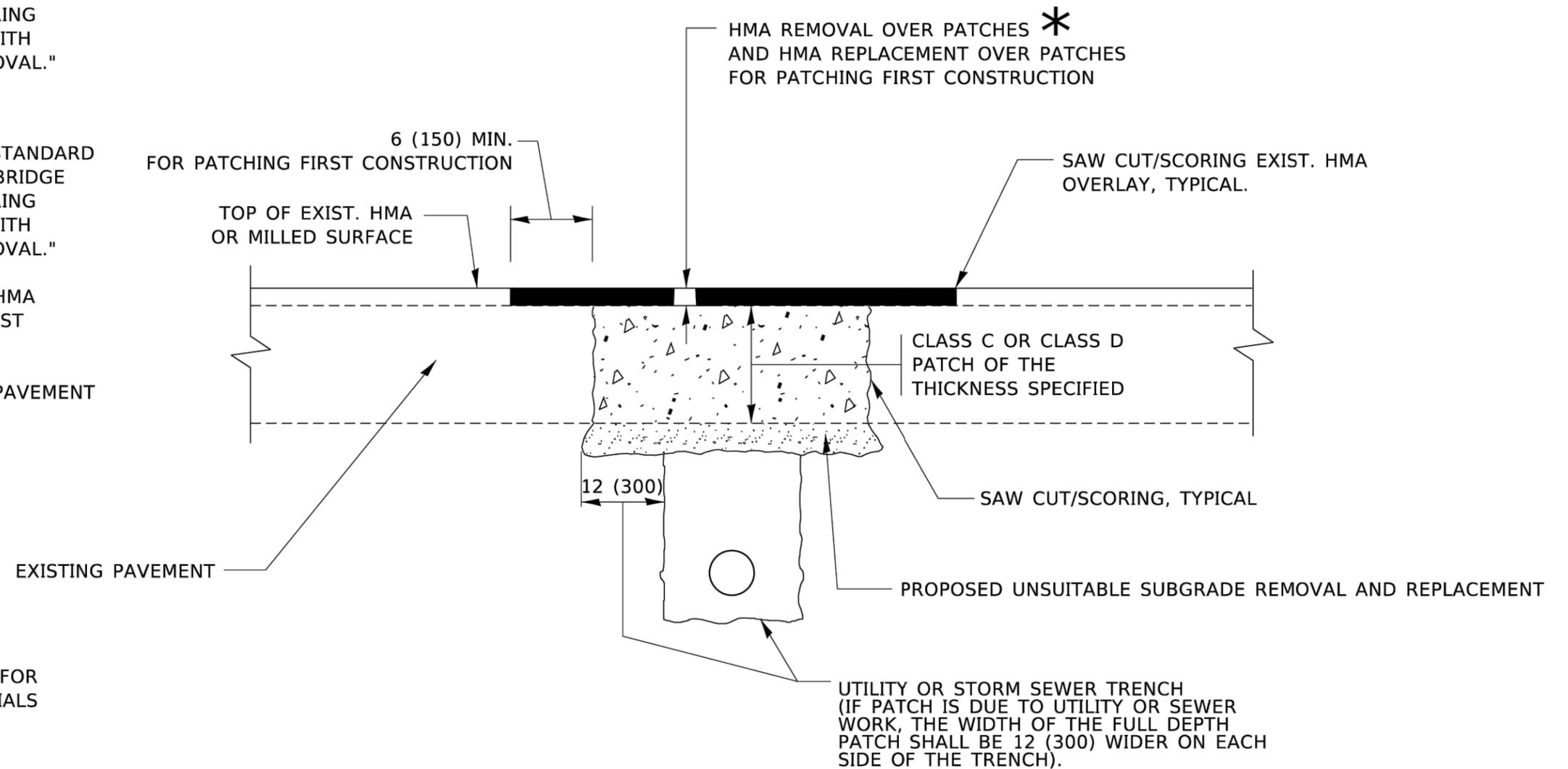
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	13
CONTRACT NO. 61L12				
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	5VWT(535)	

**METHOD OF MEASUREMENT**

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

**BASIS OF PAYMENT**

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



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

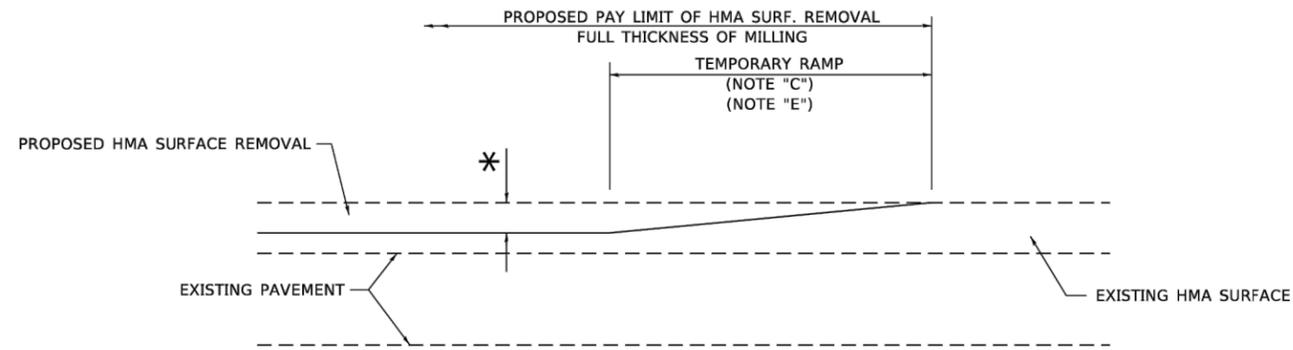
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**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.

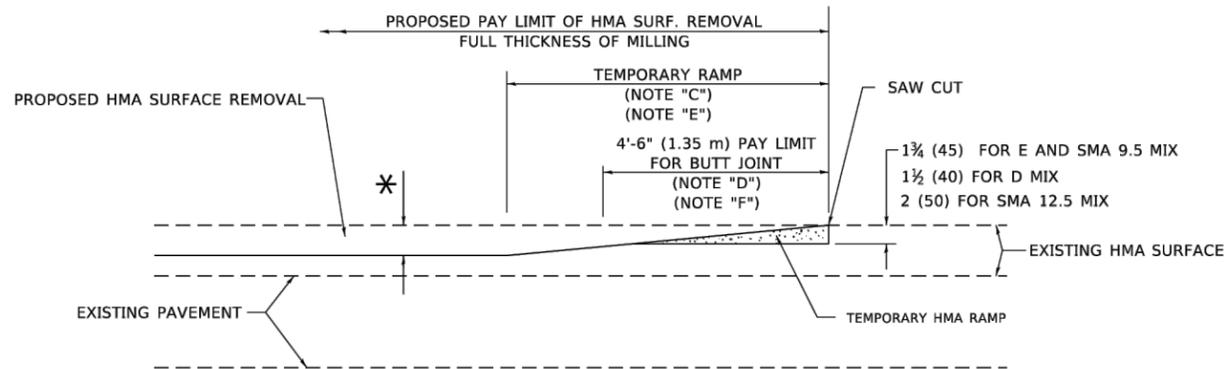
USER NAME = Lawrence.DeManche	DESIGNED - R. SHAH	REVISED - R. BORO 01-01-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - R. BORO 09-04-07					2827	23-00068-00-RS	COOK	21	14
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - K. ENG 10-27-08		SCALE: NONE			SHEET 1 OF 1 SHEETS			STA. TO STA.	
PLOT DATE = 11/18/2022	DATE - 10-25-94	REVISED - K. SMITH 11-18-22		BD400-04 (BD-22)			CONTRACT NO. 61L12		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT 5WWT(535)		



**MILLED TEMPORARY RAMP**

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 1**

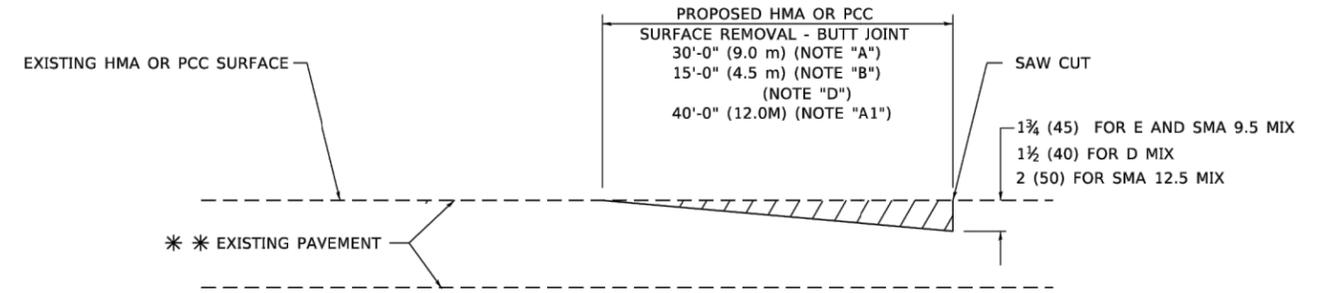


**HMA CONSTRUCTED TEMPORARY RAMP**

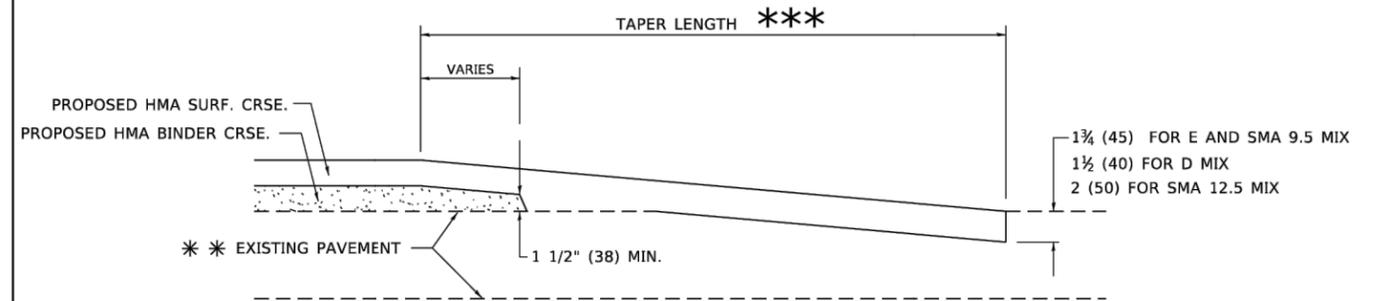
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

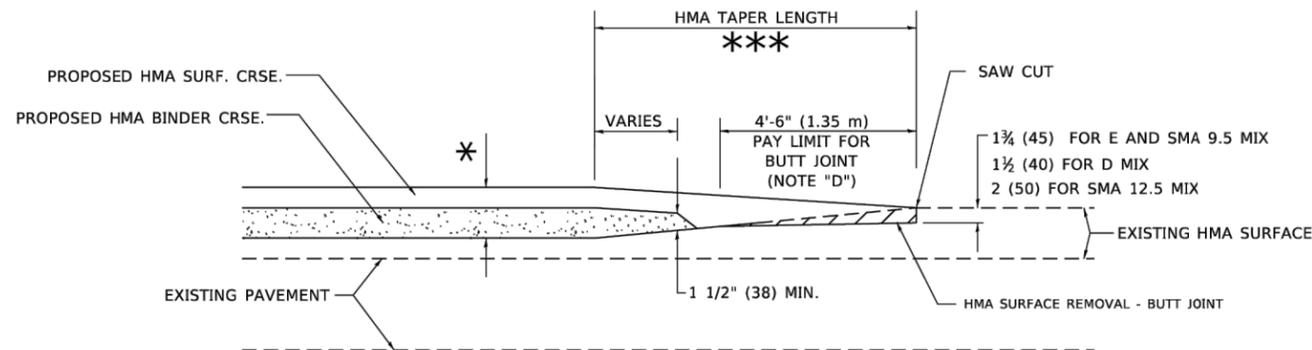
**GENERAL NOTES**

- A. MAINLINE ARTERIAL ROADWAYS AND MAJOR SIDE ROADS.
- A1. INTERSTATES
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3' - 4" (1.02m) PER 1 INCH (25 mm) OF MILLING THICKNESS.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- F. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

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

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



**BUTT JOINT AND HMA TAPER**

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

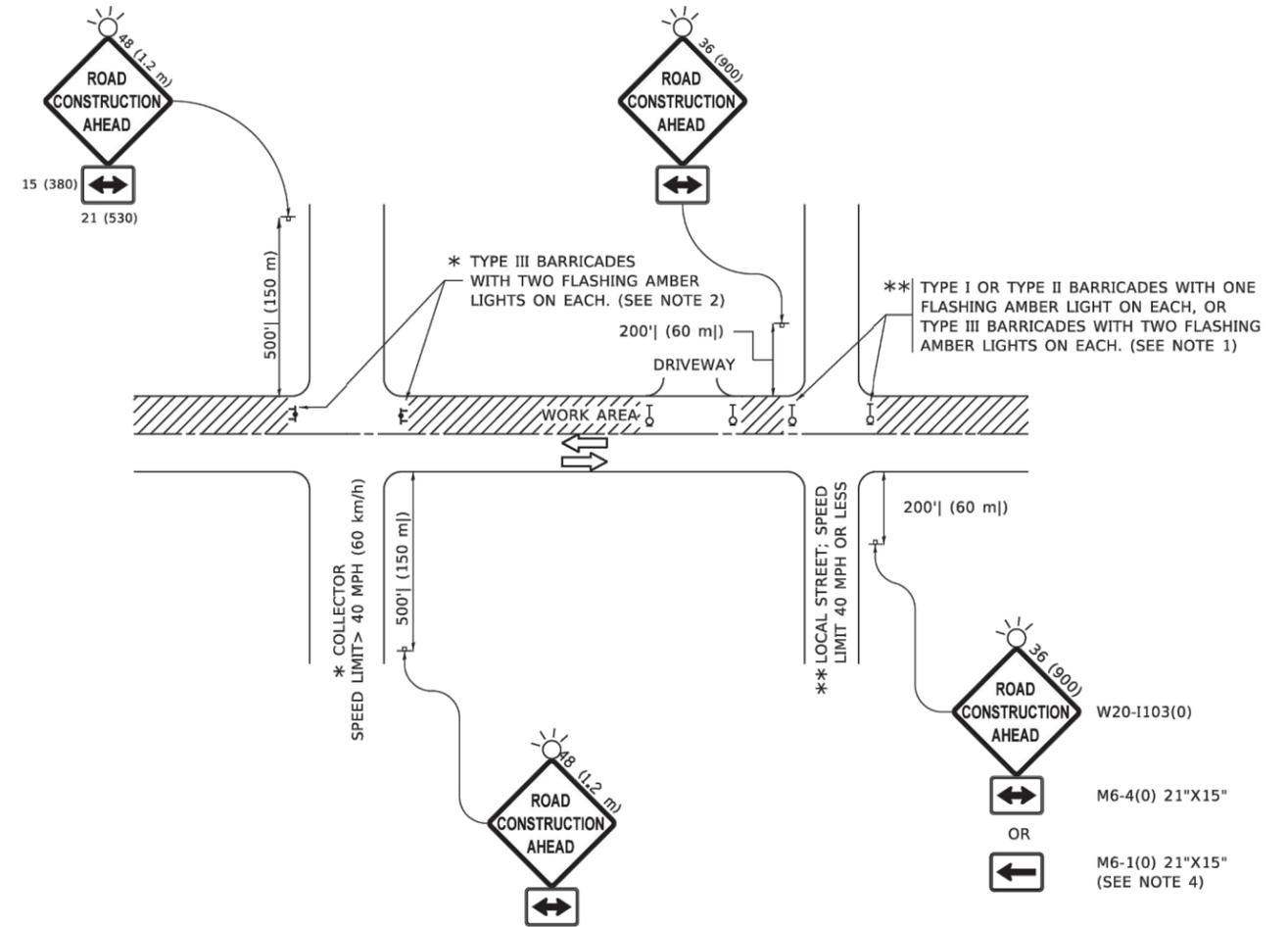
USER NAME = Lawrence.DeManche	DESIGNED - M. DE YONG	REVISED - A. ABBAS 03-21-97
	DRAWN -	REVISED - M. GOMEZ 04-06-01
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 01-01-07
PLOT DATE = 11/18/2022	DATE - 06-13-90	REVISED - K. SMITH 11-18-22

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND  
HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	15
BD400-05 BD-32		CONTRACT NO. 61L12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5WWT(535)		



**NOTES:**

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

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

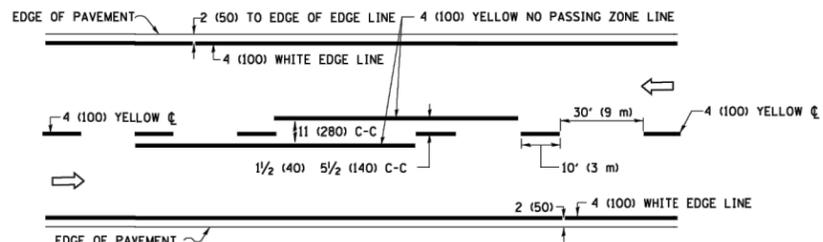
USER NAME = Lawrence.DeManche	DESIGNED - L.H.A.	REVISED - T. RAMMACHER 01-06-00
	DRAWN -	REVISED - A. SCHUETZE 07-01-13
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 5/3/2024	DATE - 06-89	REVISED - D. SENDERAK 05-03-24

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

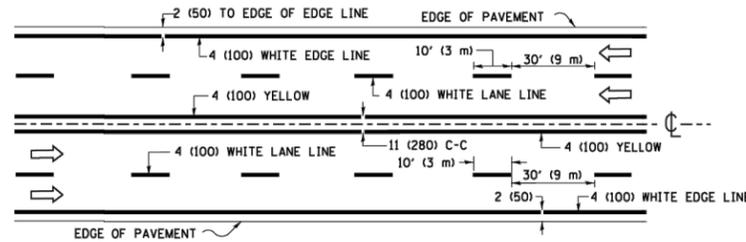
**TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

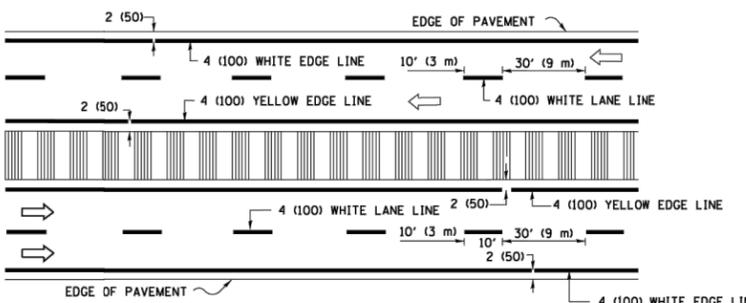
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	16
<b>TC-10</b>		CONTRACT NO. 61L12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5WWT(535)		



**2-LANE ROADWAY**

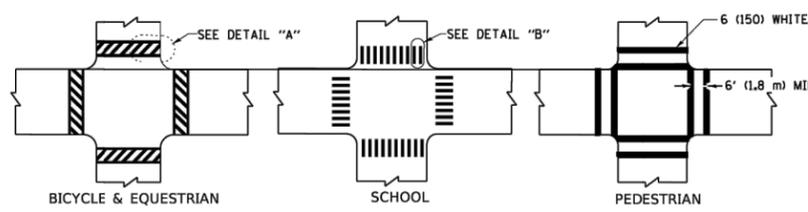


**MULTI-LANE UNDIVIDED**



**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

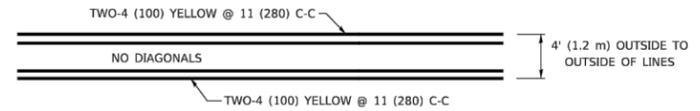


**DETAIL "A"**

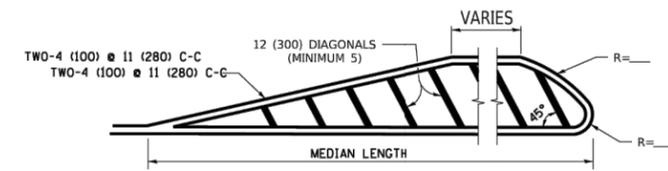
**DETAIL "B"**

**TYPICAL CROSSWALK MARKING**

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

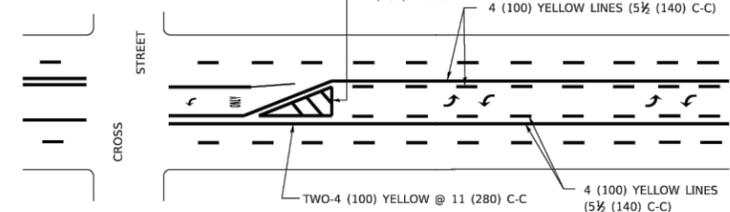


**4' (1.2 m) WIDE MEDIANS ONLY**



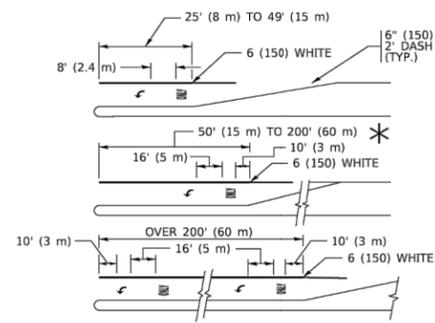
**MEDIANS OVER 4' (1.2 m) WIDE**

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))



**MEDIAN WITH TWO-WAY LEFT TURN LANE**

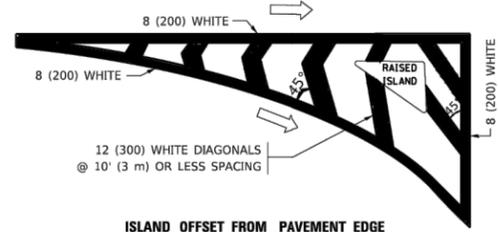
**TYPICAL PAINTED MEDIAN MARKING**



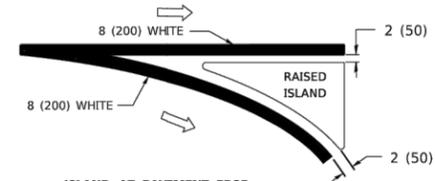
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* 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".

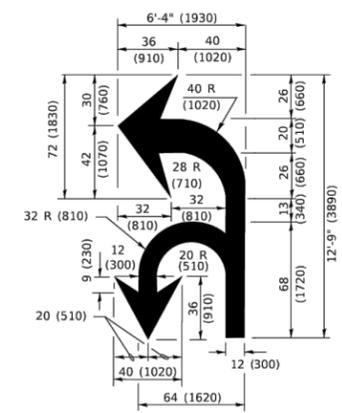


**ISLAND OFFSET FROM PAVEMENT EDGE**

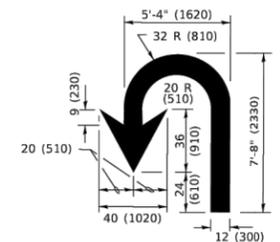


**ISLAND AT PAVEMENT EDGE**

**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) 12 (300) @ 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 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15' 6" (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

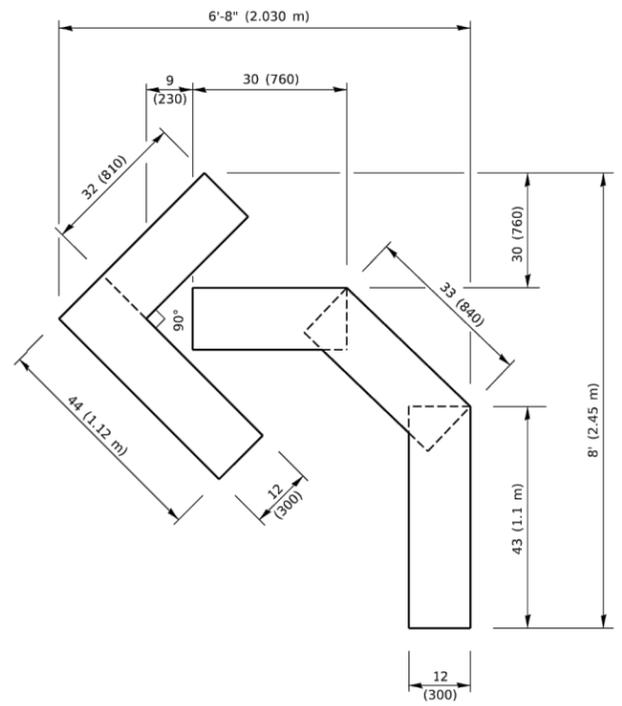
USER NAME = footem	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
	DRAWN -	REVISED - C. JUCIUS 07-01-13
PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
PLOT DATE = 3/4/2019	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

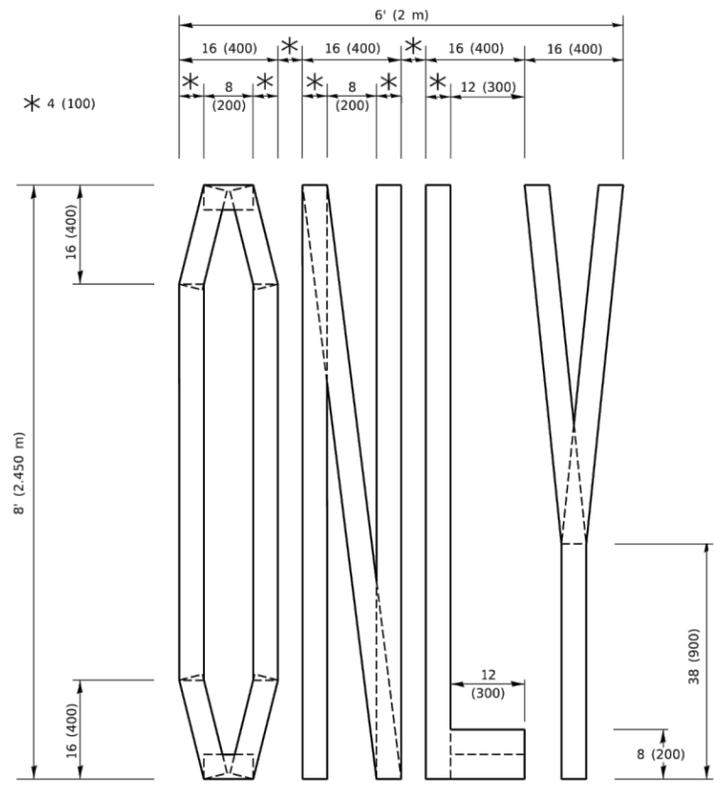
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

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

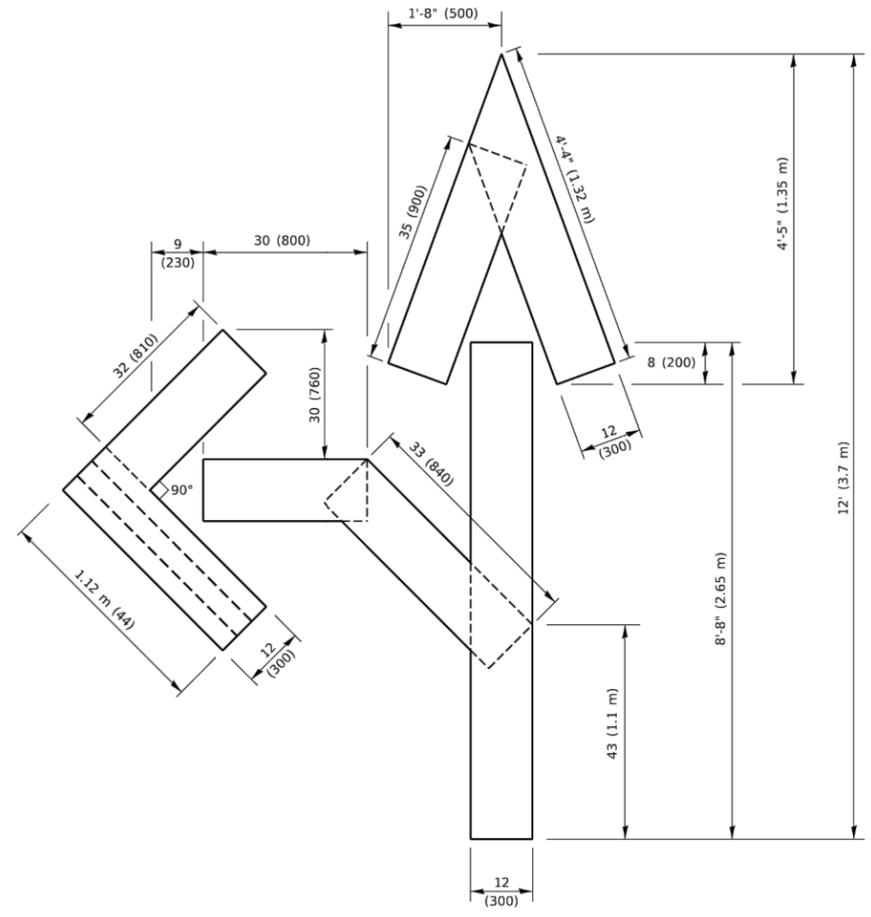
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	17
<b>TC-13</b>		CONTRACT NO. 61L12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5WVT(535)		



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

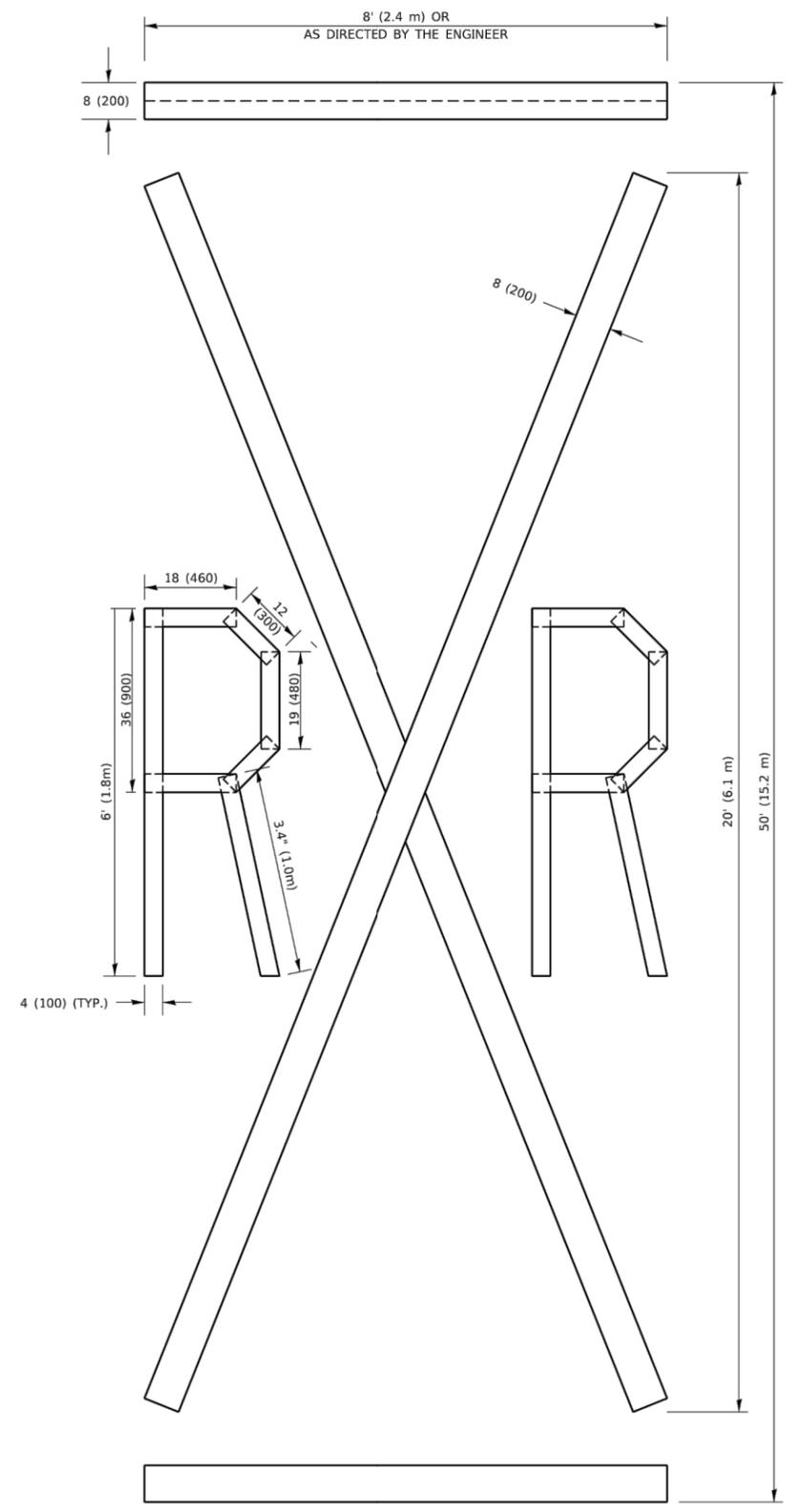


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



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

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



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

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

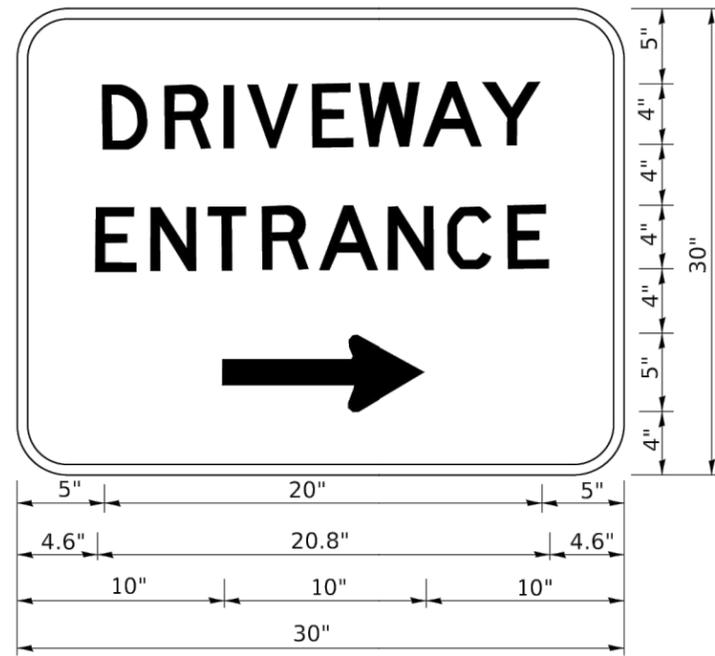
USER NAME = footemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
	DRAWN -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 50.0068 ' / in.	CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT DATE = 3/4/2019	DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	18
<b>TC-16</b>		CONTRACT NO. 61L12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT 5WWT(535)		



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

NOTES:

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

USER NAME = leysa	DESIGNED -	REVISED - C. JUCIUS 02-15-07
	DRAWN -	REVISED -
PLOT SCALE = 50.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 8/6/2021	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

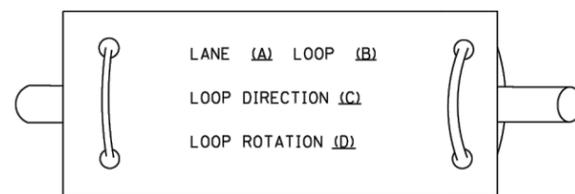
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	19
<b>TC-26</b>			CONTRACT NO. 61L12	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	5VWT(535)	

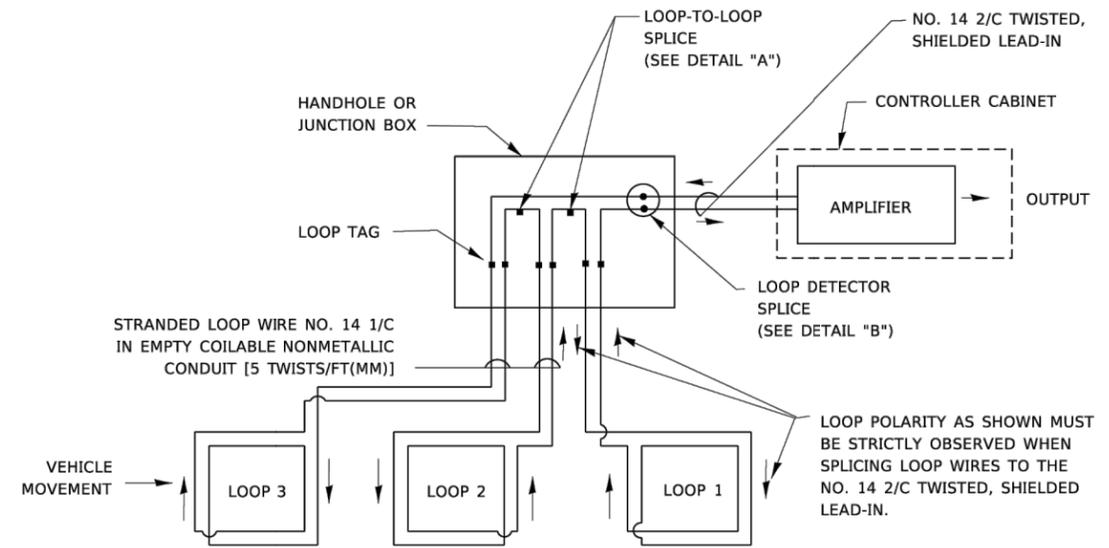
**LOOP DETECTOR NOTES**

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

**LOOP LEAD-IN CABLE TAG**

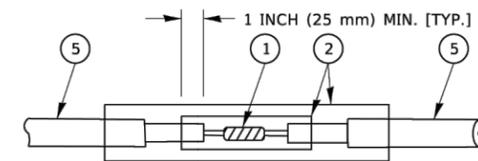


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

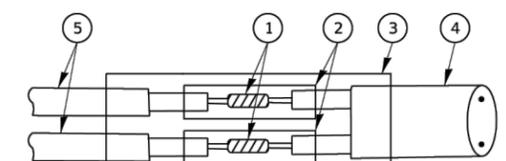


**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE,
- THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

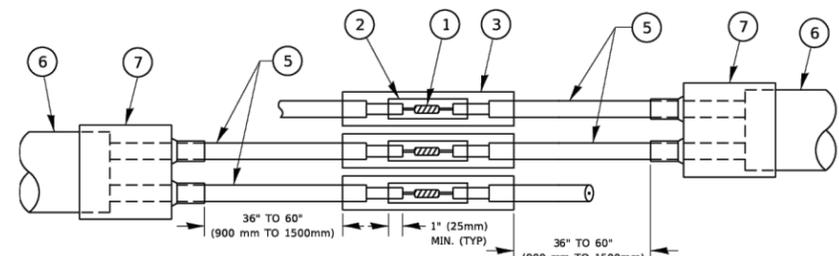


DETAIL "A"  
LOOP-TO-LOOP SPLICE

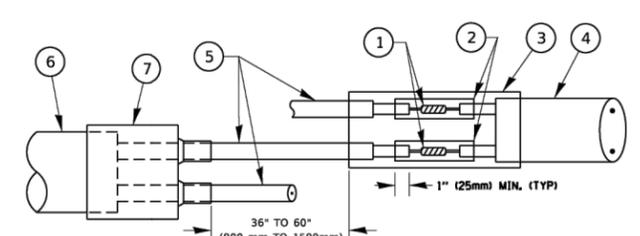


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**TYPE I LOOP**



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

**PREFORMED LOOP**

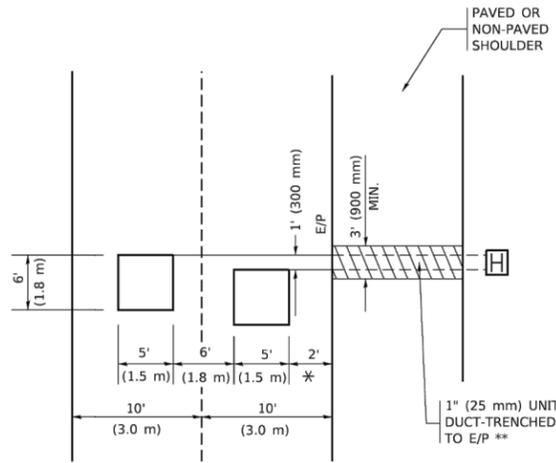
**LOOP DETECTOR SPLICE**

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE. PREFORMED LOOP
- ⑥ XL POLYOLEFIN 2 CONDUCTOR
- ⑦ BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

USER NAME = footemj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -			2827	23-00068-00-RS	COOK	21	20	
PLOT DATE = 3/4/2019	CHECKED -	REVISED -			<b>TS-05</b>		CONTRACT NO. 61L12			
	DATE -	REVISED -			SCALE: NONE		SHEET 2 OF 7 SHEETS		STA. TO STA.	

**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

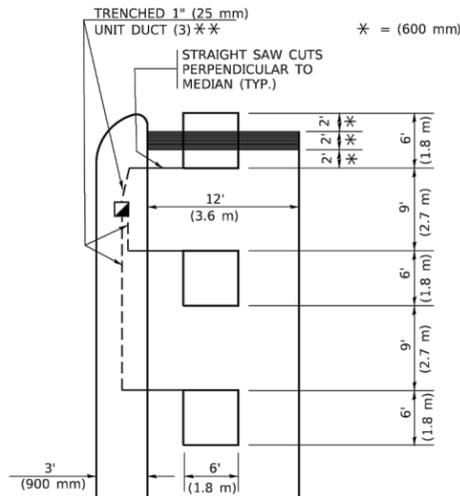


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

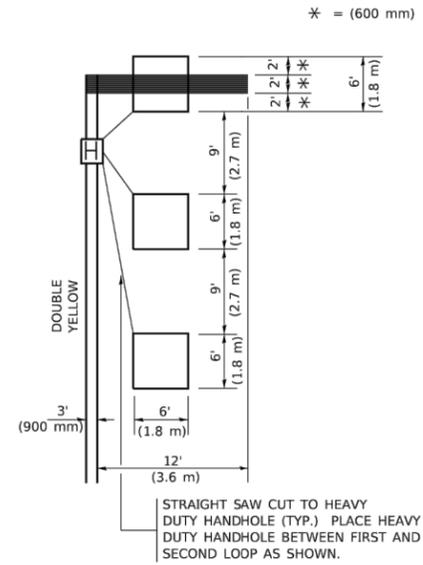


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS**  
**VOLUME DENSITY ("FAR OUT" DETECTION)**  
**ON SAME APPROACH**  
**(PROTECTED / PERMITTED LEFT TURN PHASING)**



\* = (600 mm)

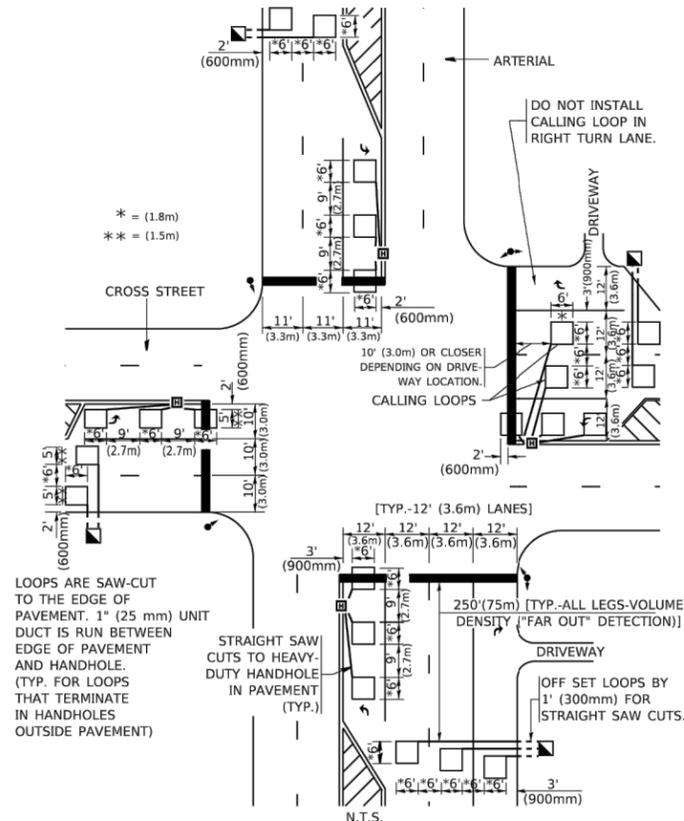
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("FAR OUT" DETECTION)**



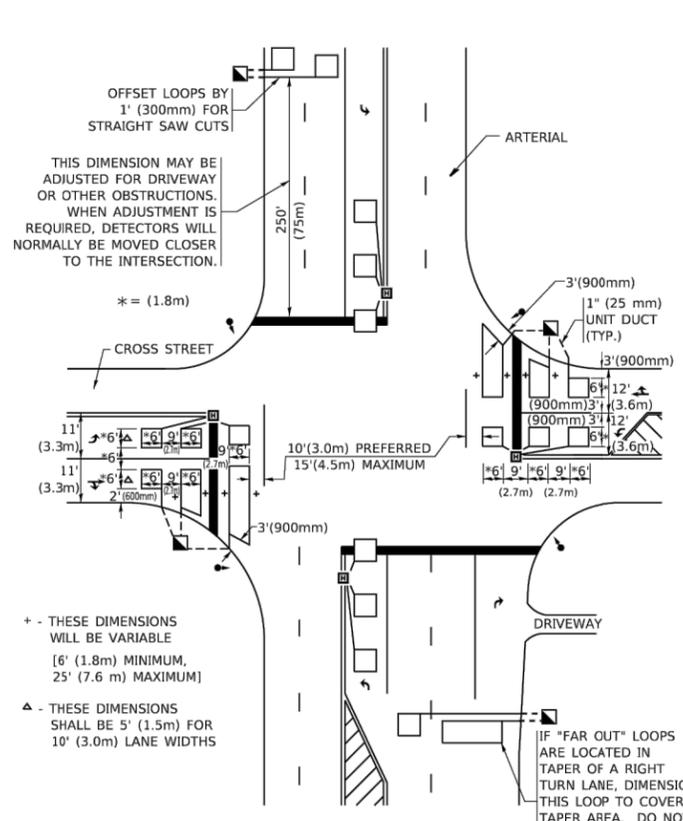
\* = (1.8m)  
 \*\* = (1.5m)

LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

**DETAIL 1**  
 N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)**  
**CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



THIS DIMENSION MAY BE ADJUSTED FOR DRIVEWAY OR OTHER OBSTRUCTIONS. WHEN ADJUSTMENT IS REQUIRED, DETECTORS WILL NORMALLY BE MOVED CLOSER TO THE INTERSECTION.

+ - THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]  
 ▲ - THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS ARE LOCATED IN TAPER OF A RIGHT TURN LANE, DIMENSION THIS LOOP TO COVER TAPER AREA. DO NOT COVER THE LEFT TURN LANE OR LEFT TURN LANE TAPER.

**DETAIL 2**  
 N.T.S.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

USER NAME = footem	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 50.0000' / in.	CHECKED - R.K.F.	REVISED -
PLOT DATE = 3/4/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION**  
**DETAILS FOR ROADWAY RESURFACING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2827	23-00068-00-RS	COOK	21	21
TS-07		CONTRACT NO. 61L12		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	5WVT(535)	