

087

03-06-2020 LETTING ITEM 087

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F A P RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
758	(141,142,3,4,5)PVMT PRSV	MOULTRIE	10	1
			CONTRACT NO	74950

D-97-026-20



FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

PAVING OMISSION:  
STA. 111+26 TO STA. 113+97

FAP ROUTE 758 (ILL 32)  
SECTION (141,142,3,4,5)PVMT PRSV  
PROJECT STP-AWWS(157)  
CAPE SEAL  
MOULTRIE COUNTY

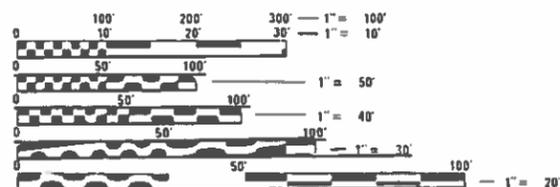
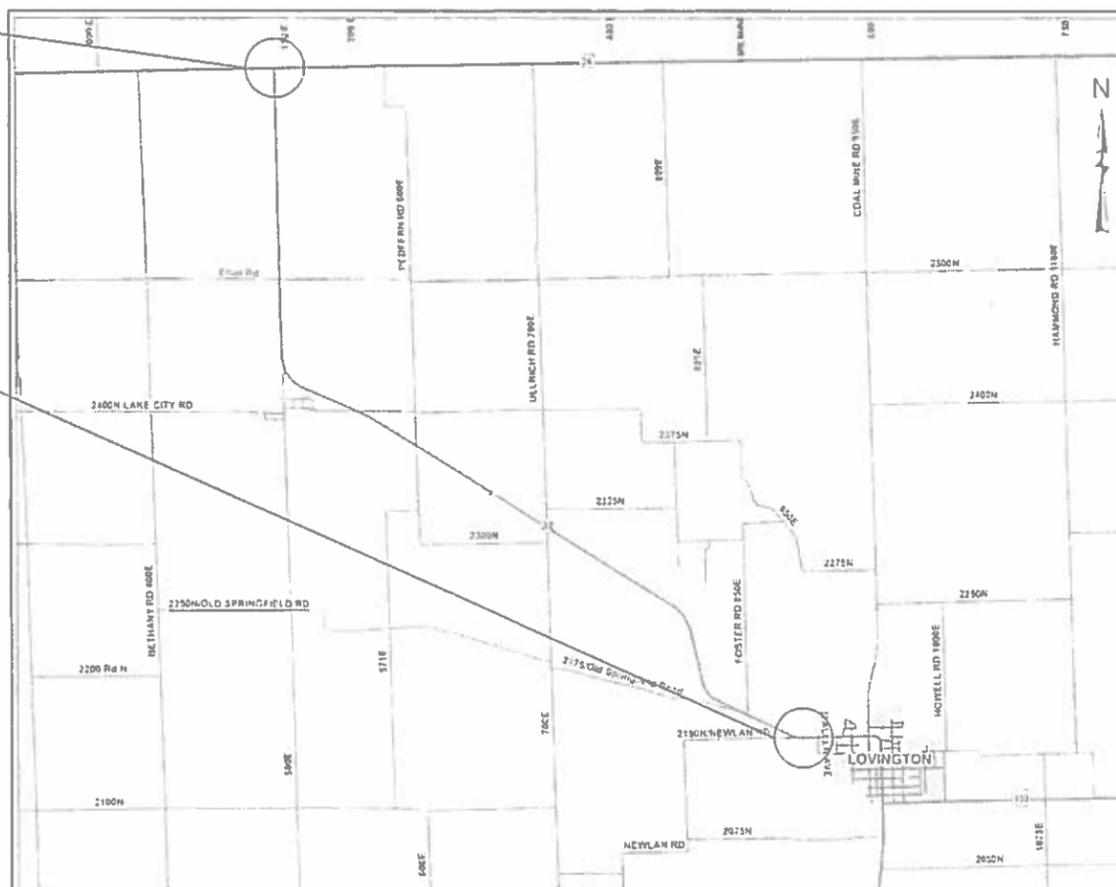
C-97-027-20

STATION EQUATIONS:  
STA. 139+76.35 BK = STA. 142+70.95 AH  
STA. 379+18.09 BK = STA. 0+00 AH

PROJECT ENDS  
STA. 45+77

ADT = 2000 (2017)

PROJECT BEGINS  
STA. 33+34



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: TOM RONAN  
PROJECT MANAGER: TOM RONAN  
PHONE NUMBER: (217) 342-8320  
CONTRACT NO. 74950

GROSS LENGTH = 38,866.5 FT. = 7.36 MILE  
NET LENGTH = 38,595.5 FT. = 7.31 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED DECEMBER 10 2019

*Jeffrey P. Myrland*  
REGIONAL ENGINEER

*Jan 31 2020*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Jan 31 2020*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

## INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6	SCHEDULES OF QUANTITIES
7-10	PAVEMENT MARKING DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 10:

STD. NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
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
701901-08	TRAFFIC CONTROL DEVICES
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS

## GENERAL NOTES

THE PROPOSED WORK IS LOCATED ON ILLINOIS ROUTE 32 FROM US ROUTE 36 TO WEST OF NORTH ALLEN AVENUE IN LOVINGTON IN MOULTRIE COUNTY.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF APPLYING A CAPE SEAL, PAVEMENT MARKING, TRAFFIC CONTROL, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

FOR THE CAPE SEAL, TYPE II, THE AGGREGATE GRADATION FOR THE A-1 BITUMINOUS SURFACE TREATMENT SHALL BE CRUSHED STONE.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 405.09(a)(4) EXISTING SURVEY MONUMENTS SHALL BE TEMPORARILY COVERED PRIOR TO APPLICATION OF THE CAPE SEAL TREATMENT TO PREVENT THE MATERIAL FROM BEING APPLIED TO THE SURVEY MONUMENTS. THE COST OF SUPPLYING, APPLYING, AND REMOVING THE TEMPORARY TAPE IS INCLUDED WITH THE SURFACE TREATMENT SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE A-1 SURFACE TREATMENT AND THE MICROSURFACE. THE CENTERLINE FOR SHORT TERM PAVEMENT MARKING SHALL BE PAINT AND CONSIST OF 10 FOOT LONG SKIPS AT 40 FOOT CENTERS. THE TEMPORARY PAVEMENT MARKING SHALL BE APPLIED DIRECTLY OVER THE SHORT-TERM PAVEMENT MARKING. PAINT PAVEMENT MARKING LINE-4" SHALL BE PLACED AFTER A CURE TIME OF 30 DAYS.

MODEL: Default  
FILE: \\blm1c:\pub\blmroom\data\illinois.gov\RWIDOT\Documents\DOT\_Offices\Dir\dtct\_7\Projects\74950\CAAD\ataCAD\shhets\ID74950-shcgenote.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS  
AND GENERAL NOTES**

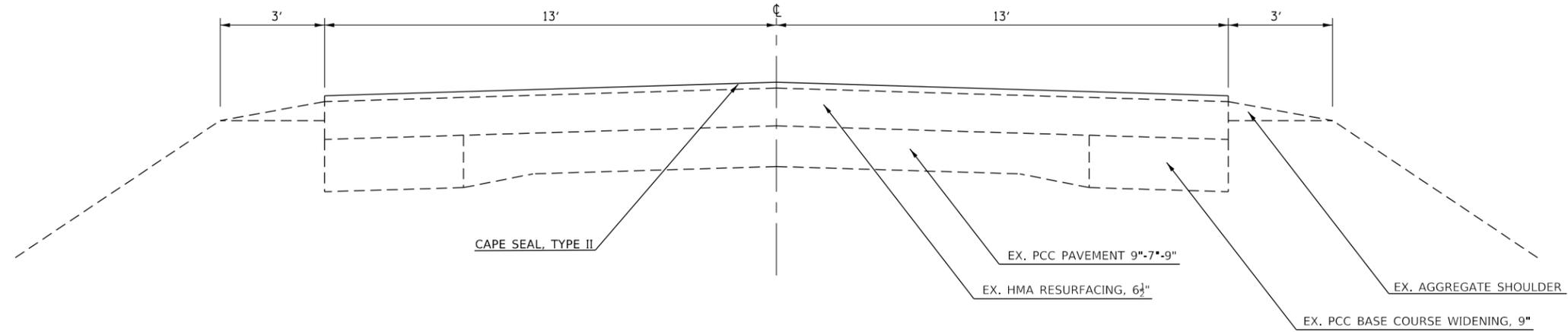
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	(141,142,3,4,5)PVMT PRSV	MOULTRIE	10	2
CONTRACT NO. 74950				
		ILLINOIS	FED. AID PROJECT	



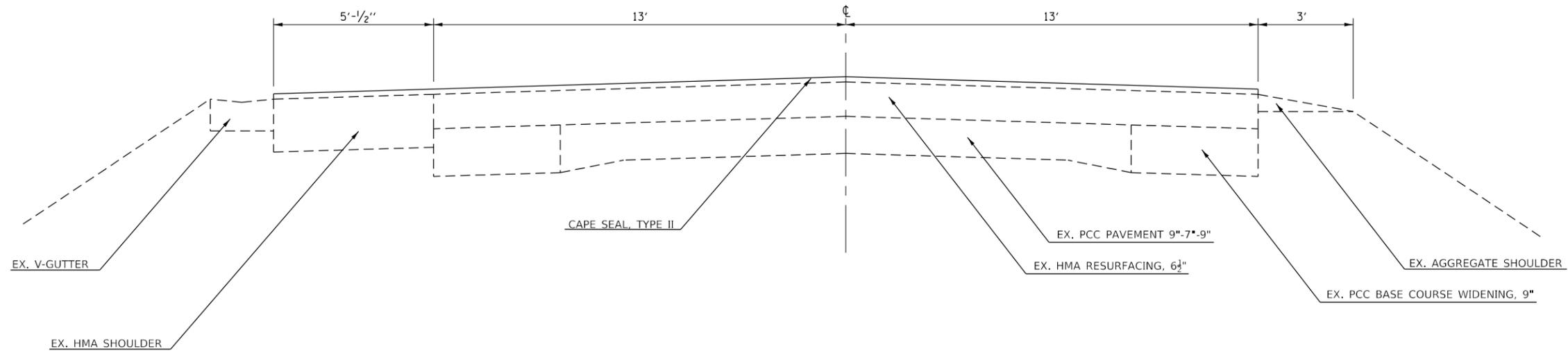
### TYPICAL CROSS SECTION

STATION 33+34 TO STATION 103+00  
 STATION 118+29 TO STATION 139+76.35  
 STATION EQUATION STA. 139+76.35 BK = STA. 142+70.95 AH  
 STATION 142+70.95 TO STATION 379+18.09  
 STATION EQUATION STA. 379+18.09 BK = STA. 0+00 AH  
 STATION 0+00 TO STATION 45+77



### TYPICAL CROSS SECTION

STATION 103+00 TO STATION 106+77



MODEL: Default  
 FILE: Model: P:\pub\baronm.dwg  
 PROJECT: 74950\CADD\Drawings\DOT\_Offices\Drawings\74950-struct\typical.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>	
SCALE:	SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	(141,142,3,4,5)PVMT PRSV	MOULTRIE	10	4
CONTRACT NO. 74950				
ILLINOIS FED. AID PROJECT				



CAPE SEAL SCHEDULE			LENGTH	WIDTH	CAPE SEAL, TYPE II
STATION	TO	STATION	FOOT	FOOT	SQ YD
33+34	TO	44+16	1082.00	26	3,126
44+16	TO	73+72	2956.00	26	8,540
73+72	TO	103+00	2928.00	26	8,459
103+00	TO	106+77	377.00	31	1,300
106+77	TO	108+40	163.00	36	652
108+40	TO	111+26	286.00	36	1144
111+26	TO	113+97	271.00	BRIDGE OMISSION	
113+97	TO	116+80	283.00	36	1,132
116+80	TO	118+29	149.00	36	596
118+29	TO	139+76.35	2147.35	26	6,203
139+76.35 BK = 142+70.95 AH			STATION EQUATION		
142+70.95	TO	379+18.09	23647.14	26	68,314
379+18.09 BK = 0+00 AH			STATION EQUATION		
0+00	TO	45+77	4577	26	13,222
PROJECT TOTALS			38,866		112,688

PAVEMENT MARKING SCHEDULE			LENGTH	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE)	TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW)	PAINT PAVEMENT MARKING - LINE 4" (WHITE)	PAINT PAVEMENT MARKING - LINE 4" (YELLOW)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	RAISED REFLECTIVE PAVEMENT MARKERS
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH
33+34	TO	44+16	1082.00	541	1999	271	1999	271	14	14
44+16	TO	73+72	2956.00	1478	5413	739	5413	739	37	37
73+72	TO	103+00	2928.00	1464	5856	2012	5856	2012	59	59
103+00	TO	106+77	377.00	189	754	754	754	754	5	5
106+77	TO	108+40	163.00	82	326	326	326	326	6	6
108+40	TO	111+26	286.00	143	572	550	572	550	12	12
111+26	TO	113+97	271.00	136	542	413	542	413	10	10
113+97	TO	116+80	283.00	142	566	354	566	354	12	12
116+80	TO	118+29	149.00	75	298	186	298	186	5	5
118+29	TO	139+76.35	2147.35	1074	4295	1108	4295	1108	29	29
139+76.35 BK = 142+70.95 AH			STATION EQUATION							
142+70.95	TO	379+18.09	23647.14	11824	45826	5912	45826	5912	336	336
379+18.09 BK = 0+00 AH			STATION EQUATION							
0+00	TO	45+77	4577	2289	9154	1144	9154	1144	57	57
PROJECT TOTALS				19433	75601	13768	75601	13768	580	580

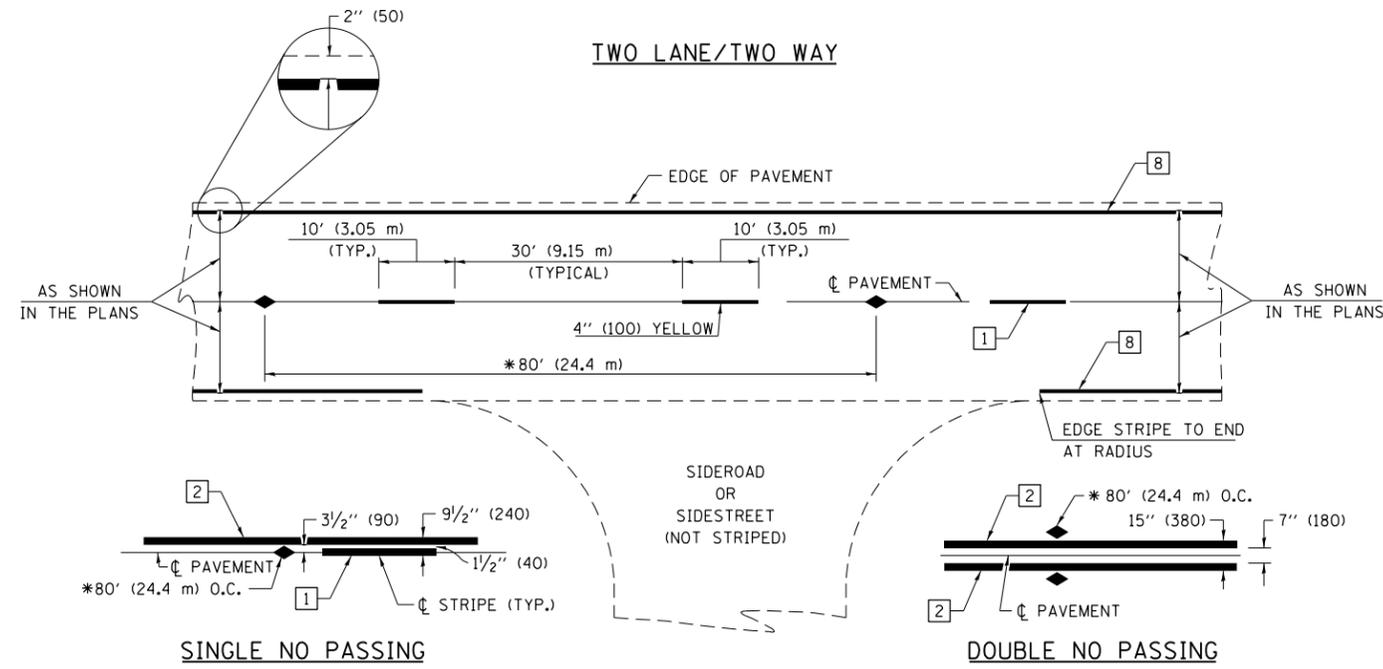
MODEL: Default  
FILE: h:\mfc\_p\pub\barroom.d\at\illinois.gov\RWIDOT\Documents\DOT\_Offices\Illinet\_7\Projects\74950\CAAD\ata\CAAD\sheet\074950-shc-schedule.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 12/11/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

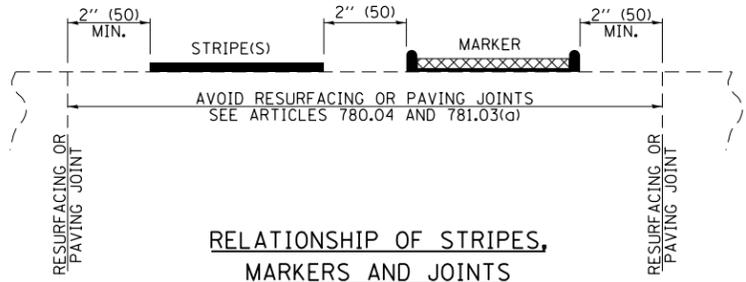
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	(141,142,3,4,5)PVMT PRSV	MOULTRIE	10	6
CONTRACT NO. 74950				
		ILLINOIS	FED. AID PROJECT	



**PAVEMENT MARKING LEGEND**

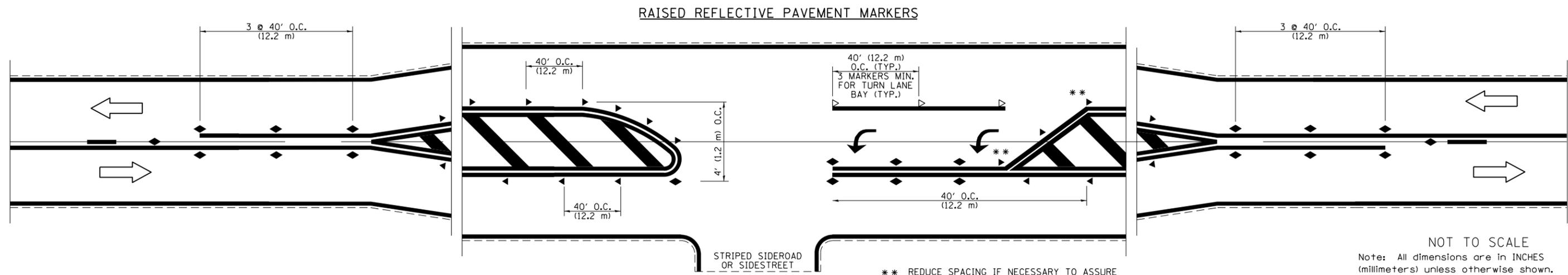
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

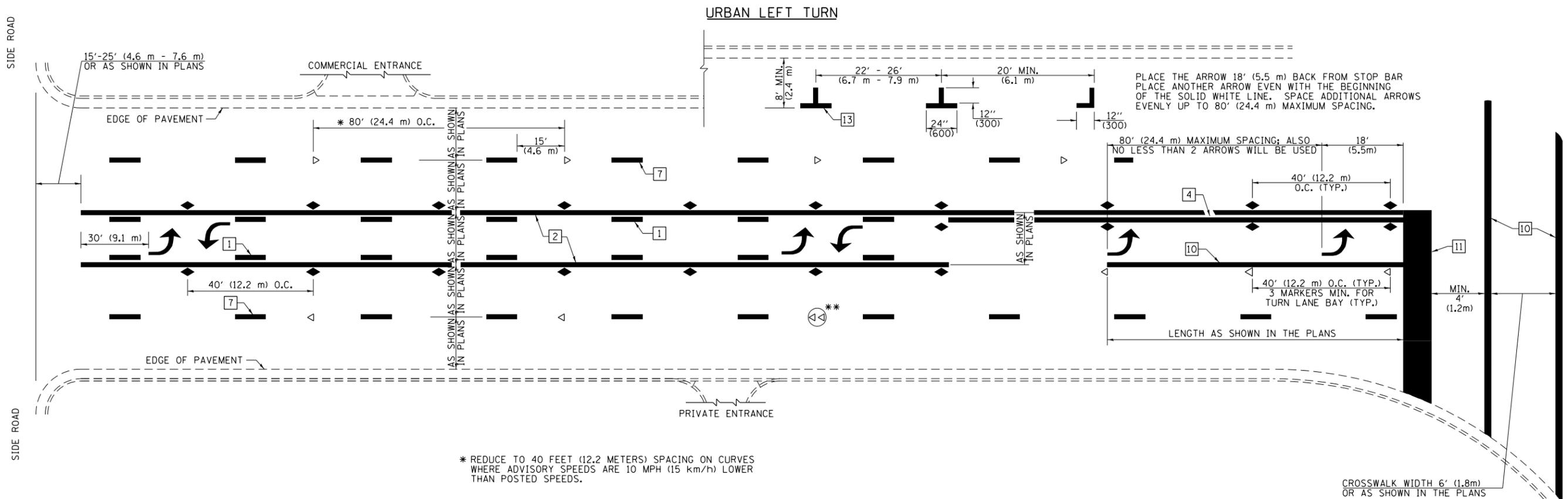


**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



PLACE THE ARROW 18' (5.5 m) BACK FROM STOP BAR  
 PLACE ANOTHER ARROW EVEN WITH THE BEGINNING  
 OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS  
 EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING.

\* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES  
 WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER  
 THAN POSTED SPEEDS.

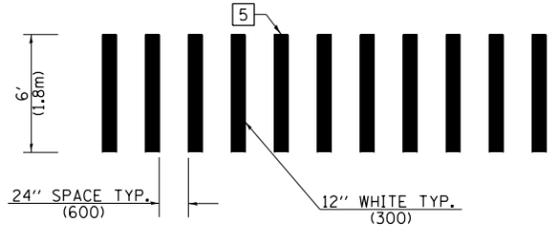
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED  
 AND SPACED AS SHOWN IN HIGHWAY STANDARD  
 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED  
 HIGHWAYS.

**PAVEMENT MARKING LEGEND**

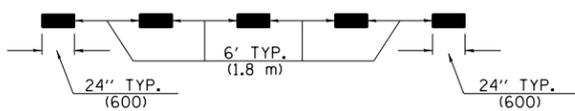
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

**GENERAL NOTES**

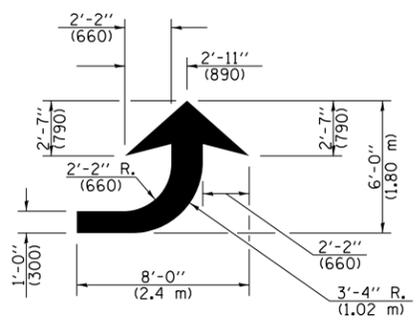
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



**CROSSWALK DETAIL  
 (DECATUR CITY LIMITS ONLY)**

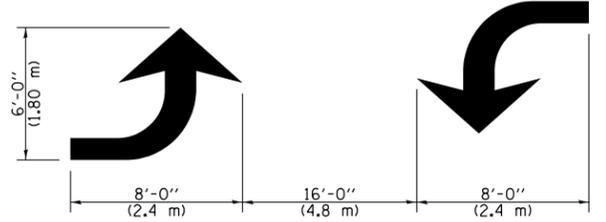


**LANE LINE EXTENSIONS**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)



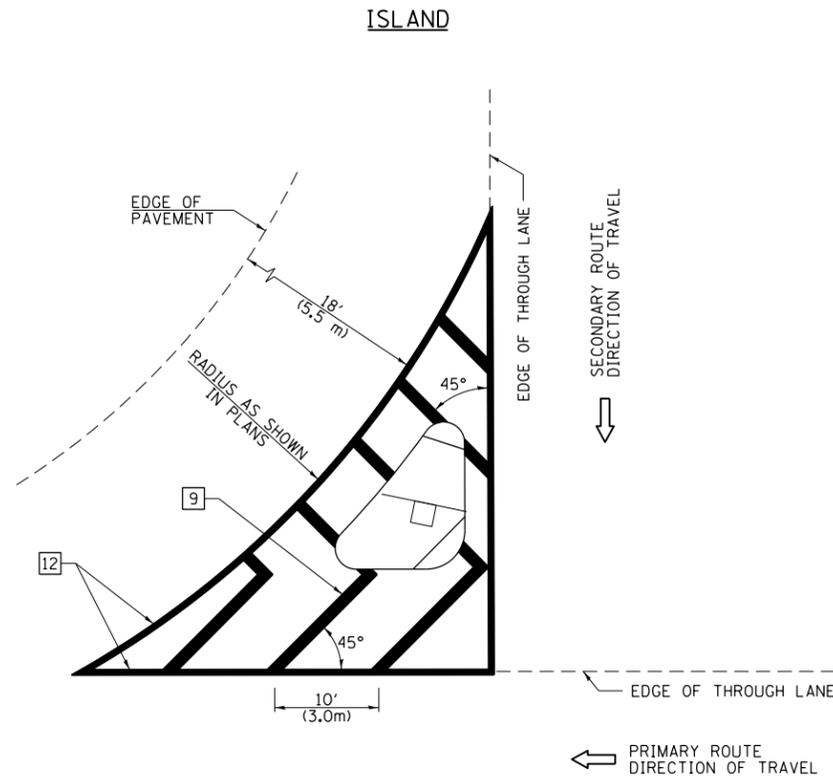
**TYPICAL DOUBLE  
 TURN ARROWS (WHITE)**

NOT TO SCALE

Note: All dimensions are in INCHES  
 (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74950\DRAWN\CADsheets\0774950-sht-details.dgn		CHECKED -	REVISED -			758	(141,142,3,4,5)PVT PRSV	MOULTRIE	10	8
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 74950				
PLOT DATE = 12/11/2019						ILLINOIS FED. AID PROJECT				

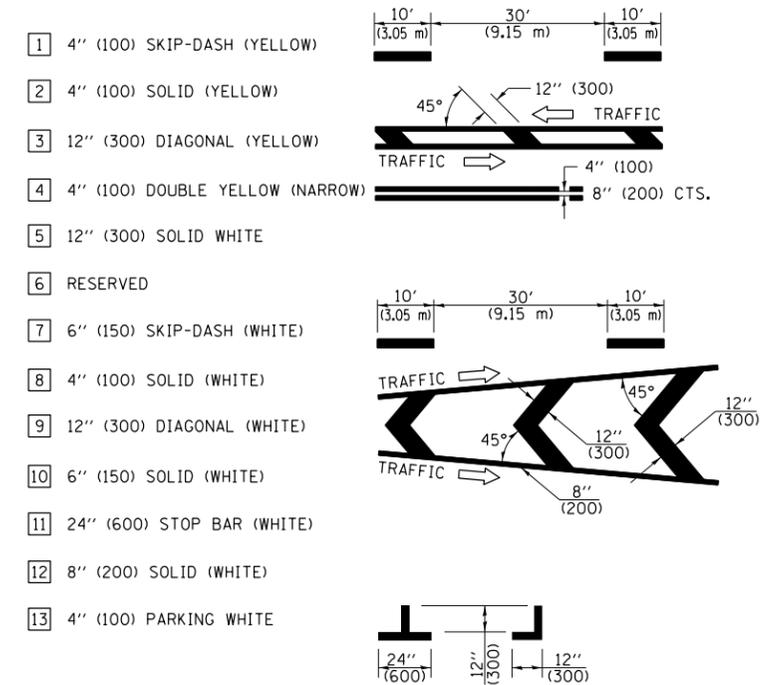


**GENERAL NOTES**

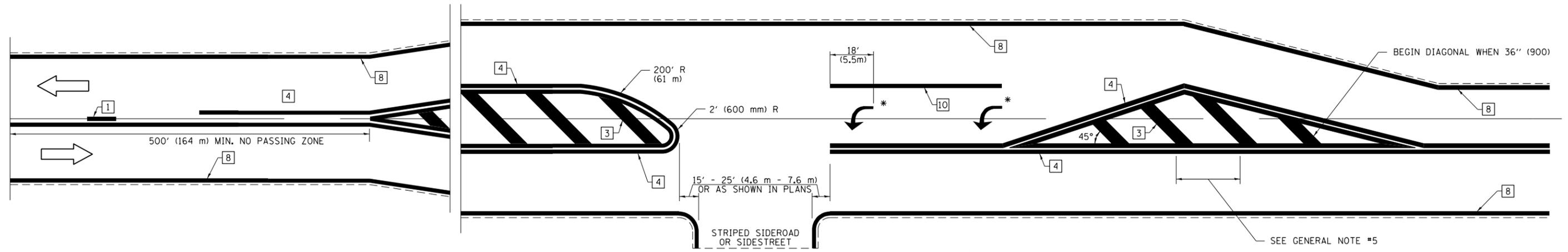
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

**PAVEMENT MARKING LEGEND**



**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

SEE GENERAL NOTE #5

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74950\DRAWN\CADsheets\0774950-shd-details.dgn		REVISIONS	REVISIONS
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/11/2019	DATE -	REVISED -

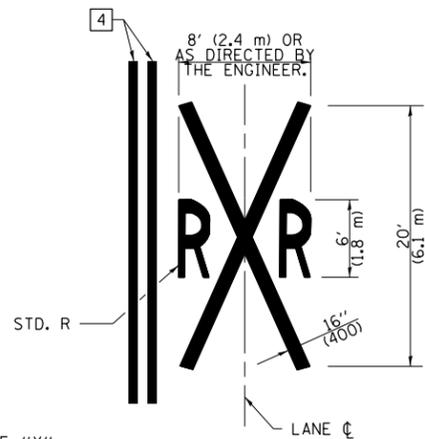
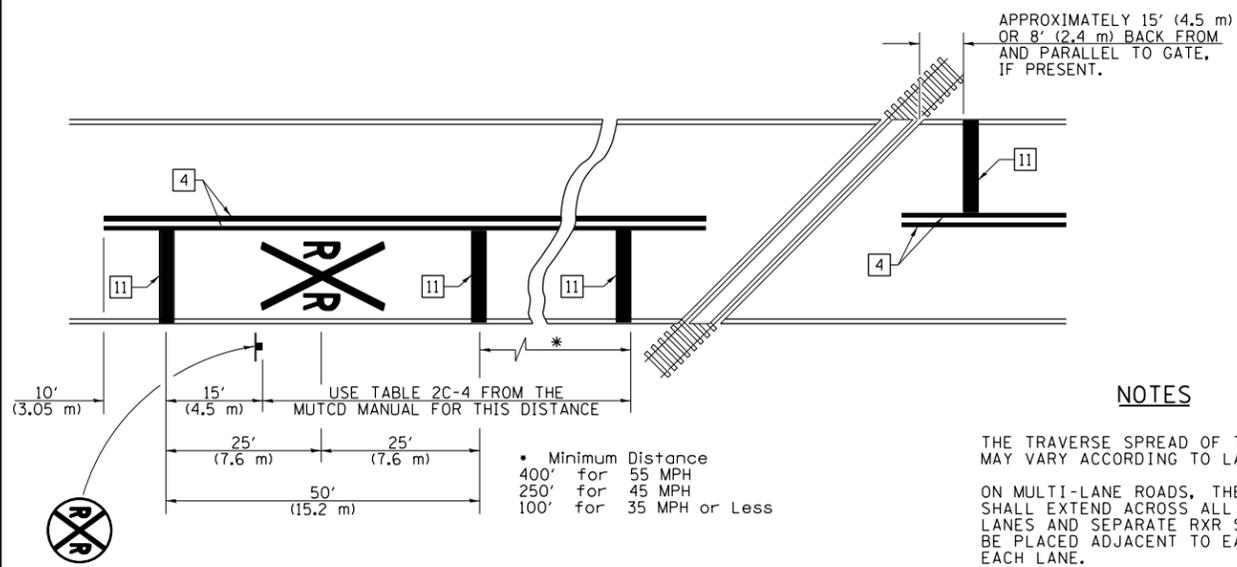
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
(RURAL & URBAN APPLICATIONS)**

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
758	(141,142,3,4,5)PVT PRSV	MOULTRIE	10	9
				CONTRACT NO. 74950
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

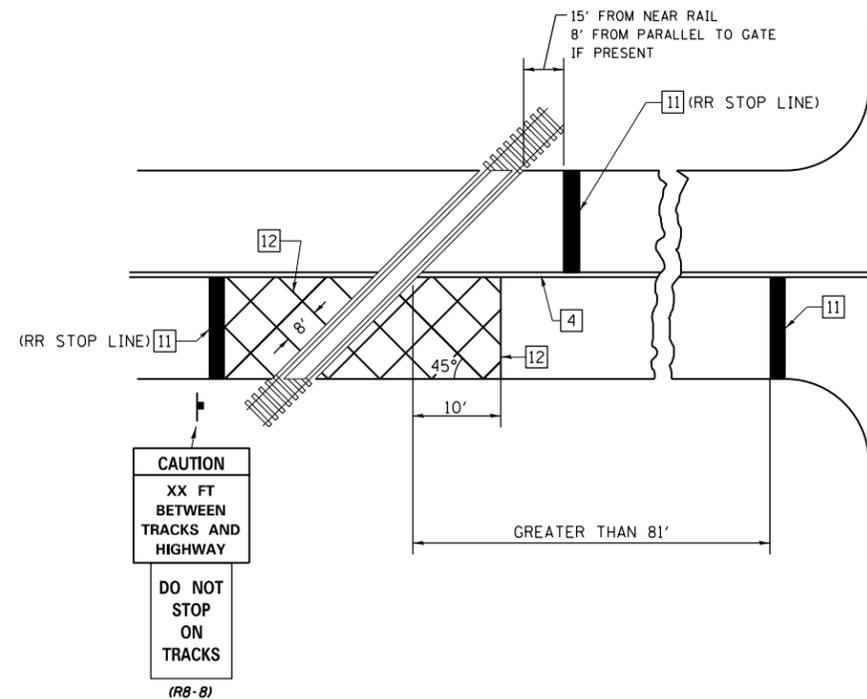
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

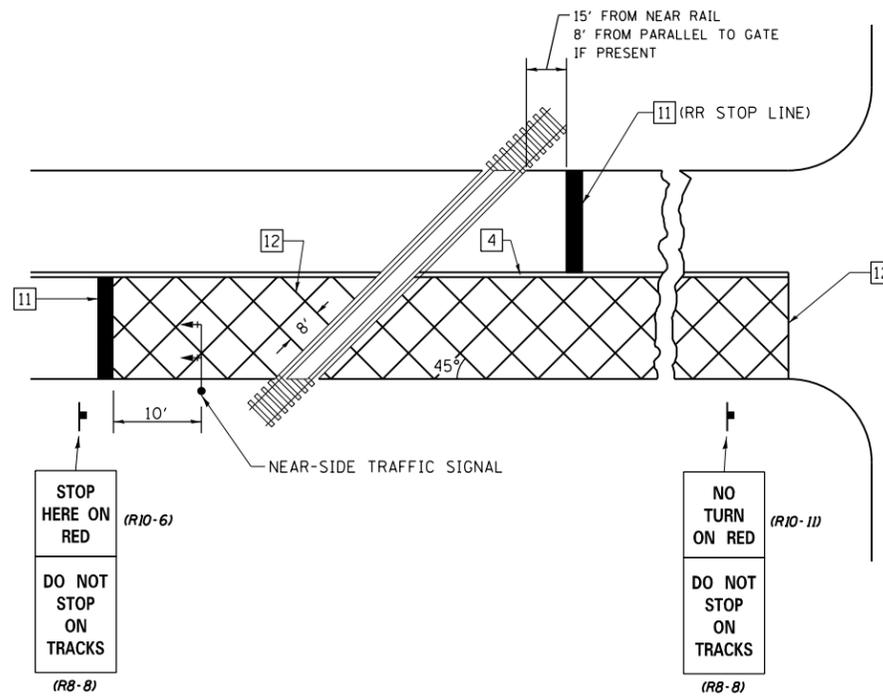
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
  - 2 4" (100) SOLID (YELLOW)
  - 3 12" (300) DIAGONAL (YELLOW)
  - 4 4" (100) DOUBLE YELLOW (NARROW)
  - 5 12" (300) SOLID WHITE
  - 6 RESERVED
  - 7 6" (150) SKIP-DASH (WHITE)
  - 8 4" (100) SOLID (WHITE)
  - 9 12" (300) DIAGONAL (WHITE)
  - 10 6" (150) SOLID (WHITE)
  - 11 24" (600) STOP BAR (WHITE)
  - 12 8" (200) SOLID (WHITE)
  - 13 4" (100) PARKING WHITE
- 

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74950\DRAWN\CADsheets\0774950-sht-details.dgn		REVISIONS	REVISIONS			758	(141,142,3,4,5)PVT PRSV	MOULTRIE	10	10	
		CHECKED -	REVISIONS			CONTRACT NO. 74950					
		DATE -	REVISIONS			ILLINOIS FED. AID PROJECT					