06-15-12 LETTING ITEM 160

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

PROPOSED HIGHWAY PLANS

FAS ROUTE 659 (CADWELL ROAD) SECTION D7 SEAL COAT 2013-1

ADT = 2000 (2010)

 $\circ$ 



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

PROJECT ENGINEER: TOM RONAN PROJECT MANAGER: TOM RONAN

PHONE: 217-342-8320

CONTRACT NO. 74558

**CONTRACT MAINTENANCE SEAL COAT MOULTRIE COUNTY** C-97-030-12 SECTION ENDS STATION 432+13.40

> GROSS LENGTH = 43,083 FT. = 8.16 MILE NET LENGTH = 42,359 FT. = 8.02 MILE

D-97-020-12



STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

SUBMITTED

May 1 20 12

Deputy Director of Highways, region engineer

May 1 20 12

Dinn D. Baramelle P.E. S.

ENGINEER OF DESIGN AND ENVIRONMENT

May 1 20 12

DIRECTOR OF HIGHWAYS) CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

# INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, SUMMARY OF QUANTITIES
3	SCHEDULES OF QUANTITIES
4	LOCATION MAP
5~8	PAVEMENT MARKING DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 8.

STANDARD 701001-02 STANDARD 701006-03 STANDARD 701011-02 STANDARD 701301-04 STANDARD 701306-03 STANDARD 701901-02

## GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THIS PROPOSAL.

THE PROPOSED WORK IS LOCATED ON CADWELL ROAD FROM ILLINOIS ROUTE 121 NORTH TO ILLINOIS ROUTE 133 IN MOULTRIE COUNTY. IT IS THE INTENT OF THE DEPARTMENT THAT THE SURFACE TREATMENT EXTEND 6" ONTO THE SHOULDERS TO HELP SEAL THE CONSTRUCTION JOINT BETWEEN THE PAVEMENT AND SHOULDERS.

THE WORK IN THIS SECTION CONSISTS OF CONSTRUCTION OF SEAL COAT FOR BITUMINOUS SURFACE TREATMENT CLASS A-1, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION PER THE PLANS AND STANDARD SPECICIFICATIONS.

THE MATERIAL USED FOR SEAL COAT AGGREGATE SHALL BE CA-16 CRUSHED STONE.

TEMPORARY PAINT PAVEMENT MARKING LINE - 4" SHALL BE APPLIED TO THE AREAS WHICH HAVE BEEN COVERED WITH BITUMINOUS SURFACE TREATMENT AT THE END OF EACH WORK DAY. THE SHORT TERM PAVEMENT MARKING SHALL BE PAINT. THE SHORT TERM PAVEMENT MARKING SHALL BE SPACED SO THAT IT WILL BE COVERED BY THE PAINT PAVEMENT MARKING - LINE 4".

RAISED REFLECTIVE PAVEMENT MARKERS AND SURVEY MONUMENT VAULTS SHALL BE KEPT FREE OF THE SEAL COAT. THEY SHALL BE PROTECTED BY COVERING THEM WITH TAPE. THE COST TO COVER THE RAISED REFLECTIVE PAVEMENT MARKERS AND SURVEY MONUMENT VAULTS WILL BE INCLUDED IN THE COST OF THE BITUMINOUS MATERIALS (COVER AND SEAL COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. REMOVING THE TAPE AFTER COMPLETING THE SEAL COAT IS ALSO INCLUDED IN THE COST OF THE BITUMINOUS MATERIALS (COVER AND SEAL COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

				100% STATE				
	SUMMARY OF QUANTITIES			CON	NSTRUCTION TYPE CODE			
CODE NO	ITEM	UNIT	TOTAL OUANTITIES	0005				
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	41642	41642				
40300600	SEAL COAT AGGREGATE	TON	1487	1487				
67100100	MOBILIZATION	L SUM	1	1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4256	4256				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	355	355				
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	114	114				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1974	1974				
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	271	271				
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	141	141				
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	104116	104116				

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c:\pw_work\pwidot\swartzrw\d0285365\D77	558-sht-index.dgn	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 3/14/2012	DATE -	REVISED -

STATE	OF	ILLINOIS	
DEPARTMENT	OF	TRANSPORTATION	

	INDEX	OF SH	EETS, GE	NERAL NOTES		F.A.S. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	AND	SUMM	ARY OF	QUANTITIES		659	D7 SEAL COAT 2013-1	MOULTRIE	8	2
NA	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED. AI	CONTRAC D PROJECT	T NO.	74558

# PAVING SCHEDULE

	LOCATION.	ı	LENGTH	AVERAGE PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	SEAL COAT AGGREGATE
STATION	TO	STATION	FOOT	FOOT	SQ YD	GALLON	TON
1+29.00	TO	7+67.62	638.6	VAR	2866.7	1003.3	35.8
7+67.62	TO	27+71.62	2004.0	24.0	5566.7	1948.3	69.6
27+71.62	TO	43+51.04	1579.4	26.0	4738.3	1658.4	59.2
43+51.04	ТО	44+60.18	109.1	24.0	303. 2	106.1	3. 8
44+60.18	TO	45+77.72	117.5	BRIDGE OM	ISSION		
45+77.72	то	66+46. 45	2068.7	24.0	5746.5	2011.3	71.8
66+46.45	TO	67+56. 21	109.8	BRIDGE OM	ISSION		
67+56. 21	то	154+16.12	8659.9	24.0	24055.3	8419.4	300. 7
154+16.12	TO	155+33.66	117.5	BRIDGE OM	ISSION		
155+33.66	TO	172+71.41	1737.8	24.0	4827.1	1689.5	60.3
172+71.41	TO	174+51.72	180.3	BRIDGE OM	ISSION		
174+51.72	TO	227+31.10	5279.4	24.0	14664.9	5132.7	183.3
227+31.10	то	228+36.74	105.6	BRIDGE OM	ISSION		
228+36.74	TO	302+42.96	7406.2	24.0	20572.8	7200.5	257. 2
302+42.96	TO	302+56.05	13.1	RR OMISSI	ON		
302+56.05	ТО	430+85.00	12829.0	24.0	35636.0	12472.6	445.4
	TOTALS		42956		118977	41642	1487

## PAVEMENT MARKING SCHEDULE

			· · · · · · · · · · · · · · · · · · ·		MARKING					
STATION	TO	STATION	LENGTH	PAINT PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
			FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	SQ FT
1+29.00	то	5+33.00	404	875	1974	271	45		40	3.3
5+33.00	ТО	11+57.00	624	2416					64	5.3
11+57.00	ТО	20+06.00	849	1780					84	7.0
20+06.00	ТО	31+93,00	1187	3858					120	10.0
31+93.00	ТО	37+95.00	602	2408					60	5.0
37+95.00	ТО	49+26.00	1131	3623					112	9.3
49+26.00	то	51+31.00	205	461					20	1.7
51+31.00	ТО	61+41.00	1010	3183	,				100	8.3
61+41.00	ТО	62+57.00	116	205					12	1.0
62+57.00	ТО	70+30.00	773	2392					76	6.3
70+30.00	то	226+23.00	15593	35029					1560	130.0
226+23.00	то	233+55.00	732	2239					72	6.0
233+55.00	ТО	235+61.00	206	464					20	1.7
235+61.00	то	242+68.00	707	2148					72	6.0
242+68.00	то	297+80.00	5512	12402					552	46.0
297+80.00	TO	302+43.00	463	1505			48	57	48	4.0
302+43.00	то	302+56.00	1 3	0					0	0.0
302+56.00	то	306+40.00	384	1248			48	57	0	0.0
306+40.00	ТО	430+85.00	12445	27881					1244	103. 7
Т	OTAL	S		104116	1974	271	141	114	4256	354.6

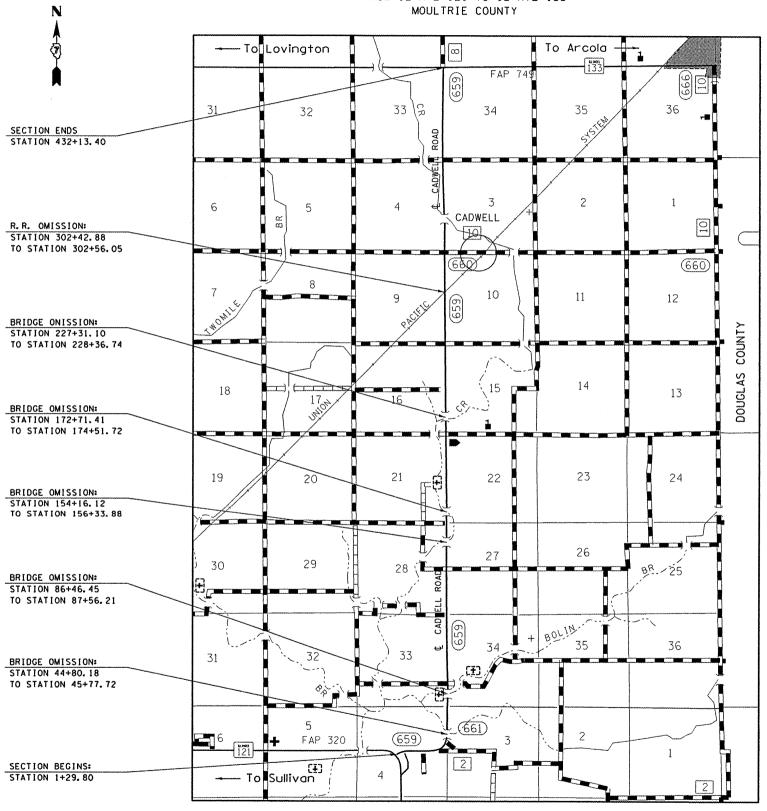
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	PLOT DATE = 3/14/2012	DATE -	REVISED -

STATI	E OF	LLINOIS
DEPARTMENT	OF	TRANSPORTATION

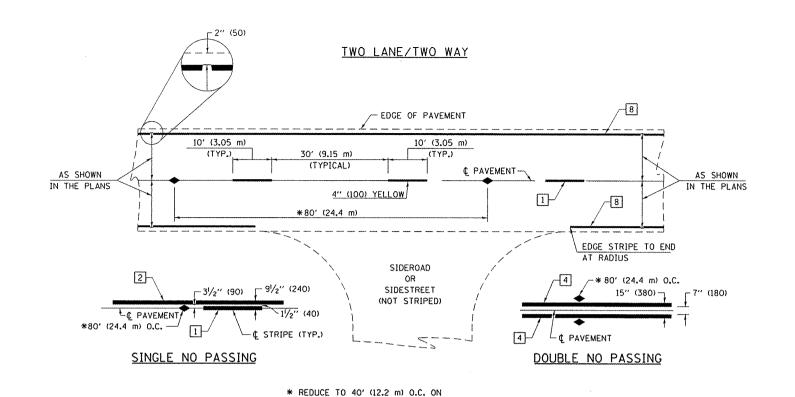
	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL	SHEE NO.
		659	D7 SEAL COAT 2013-1	MOULTRIE	8	3
-				CONTRAC	T NO.	74558
	SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AI	D PROJECT		

## LOCATION MAP

FAS 659 (CADWELL ROAD)
FROM IL RTE 121 TO IL RTE 133



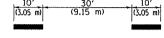
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c:\p	-work\pwldat\swartzrw\d0285365\D77	558-sht-locationmap.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS			LOCATIO			RTE.	D7 (54) 0017 0017 1	21	HEETS NO.
		PLOT SCALE = 100.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	1		CADWELI	L ROAD		659	07 SEAL COAT 2013-1	MOULTRIE	NO. 74558
L		PLOT DATE = 3/14/2012	DATE -	REVISED -		SCALE: NA	SHEET NO. 1 O	F I SHEETS	STA.	TO STA.			PROJECT	NU. 14338



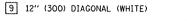
CURVES WITH POSTED OR ADVISORY
SPEEDS OF 45 mph (70 km/h) OR LESS.

## PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4" (100) DOUBLE YELLOW (NARROW) = 8" (200) CTS.
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)

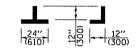


- 8 4" (100) SOLID (WHITE)



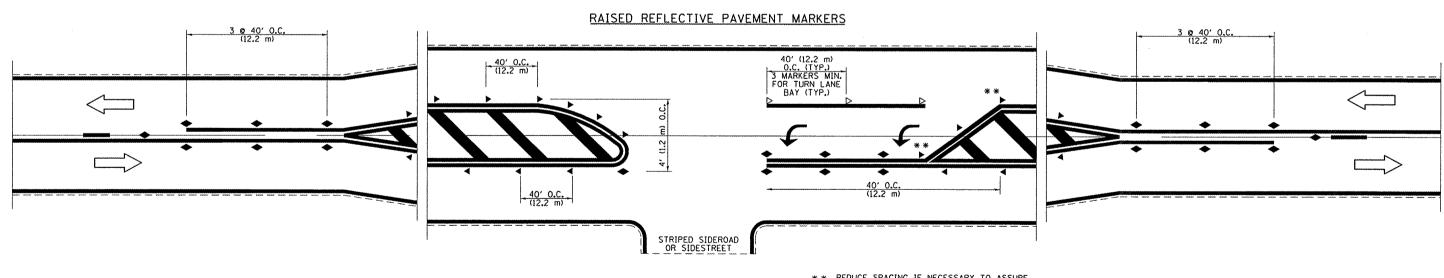


- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE



#### TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ➤ ONE-WAY AMBER MARKER
- DONE-WAY CRYSTAL MARKER



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

	DIS	TRICT 7	DETAIL	. NO. 78	0000	01
KERS	F.A.S. RTE.	SECTI	ON	COUNTY	TOTAL	SHEET NO.
	659	D7 SEAL C	1-E102 TAC	MOULTRIE	8	5
				CONTRAC	TNO	74558

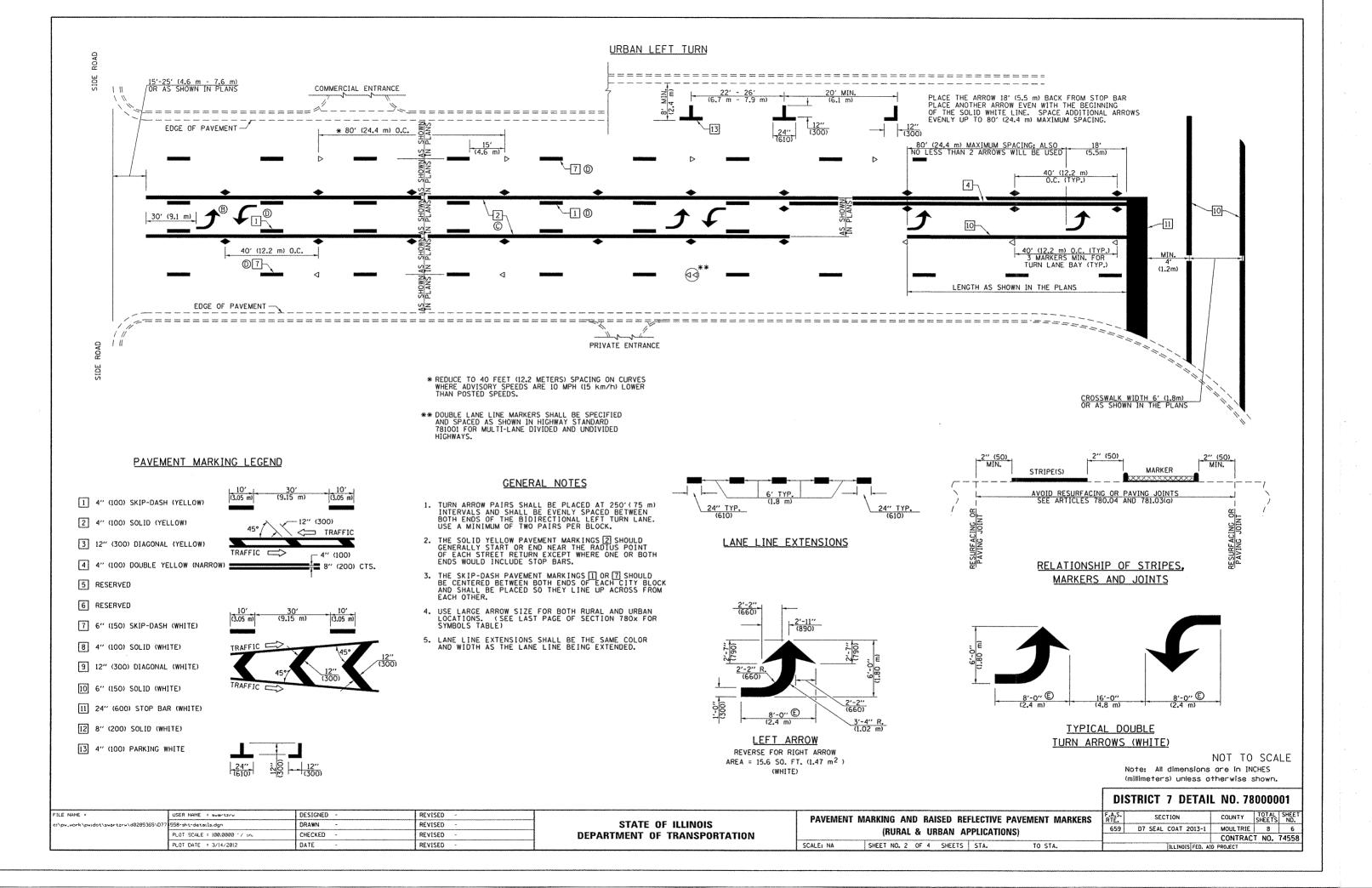
\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

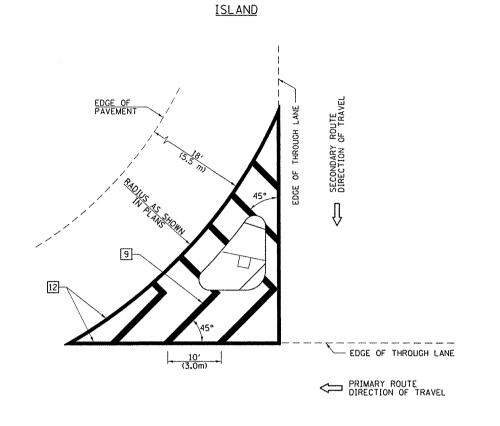
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARK (RURAL & URBAN APPLICATIONS) SCALE: NA

CONTRACT NO. 74558 SHEET NO. 1 OF 4 SHEETS STA. TO STA.



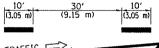


# PAVEMENT MARKING LEGEND

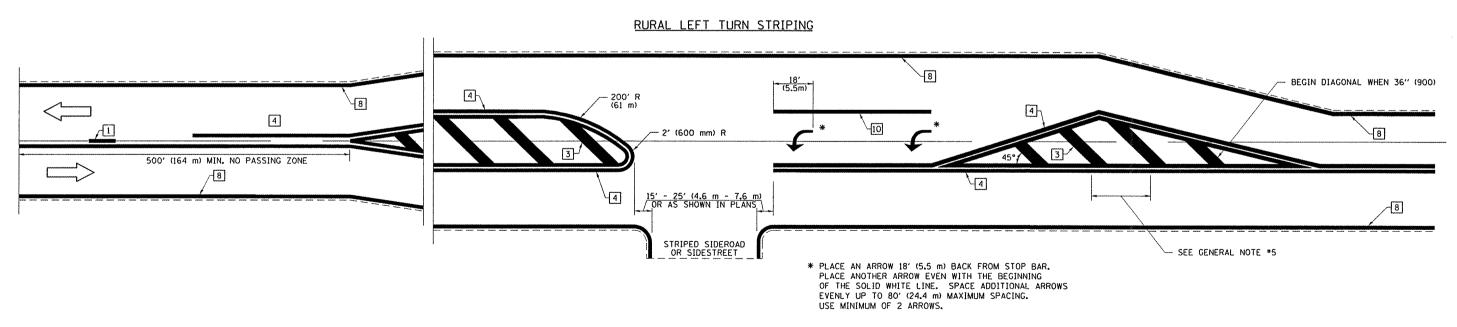
- 1 4" (100) SKIP-DASH (YELLOW)
- (3.05 m) (9.15 m) (3.05 n
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- TRAFFIC \$\infty\$ 4" (100)

  4" (100) DOUBLE YELLOW (NARROW)

  8" (200) CTS.
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)



- 8 4" (100) SOLID (WHITE)
- 1 . .....
- 9 12" (300) DIAGONAL (WHITE)
- 45° (300)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE



GENERAL NOTES

3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

<30 MPH (<50 km/h) 30-45 MPH (50~75 km/h >45 MPH (>75 km/h

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.

4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.

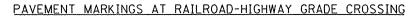
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

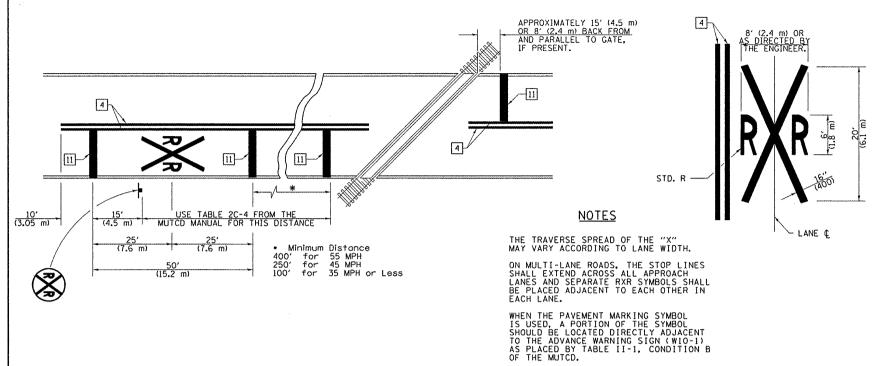
20' (6.0 m) 30' (9.0 m)

NOT TO SCALE

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

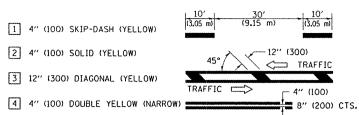
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c:\pw_work\pwidot\swartzrw\d028	35365\D77 558-sht-details.dgn	DRAWN -	REVISED -	STATE OF ILLINOIS						659	D7 SEAL COAT 2013-1	MOULTRIE	F 8 7	
	PLOT SCALE = 100.0000 ' / 10.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	(RURAL & URBAN APPLICATIONS)					1 033	DI SERE CORT EGIS E	CONTRACT NO. 74558		
	PLOT DATE = 3/14/2012	DATE -	REVISED -		SCALE: NA	SHEET NO. 3 OF 4	SHEETS	STA.	TO STA.		ILLINOIS FED.			





SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

#### PAVEMENT MARKING LEGEND



5 RESERVED

6 RESERVED

7 6" (150) SKIP-DASH (WHITE)

10' 30' 10' (3.05 m) (3.05 m)

8 4" (100) SOLID (WHITE)

9 12" (300) DIAGONAL (WHITE)

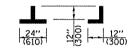
TRAFFIC 45° 12′ (300)

10 6" (150) SOLID (WHITE)

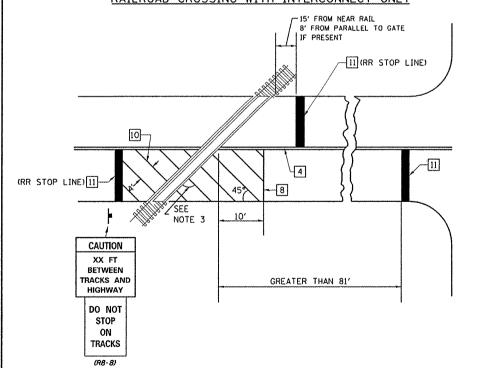
11 24" (600) STOP BAR (WHITE)

12 8" (200) SOLID (WHITE)

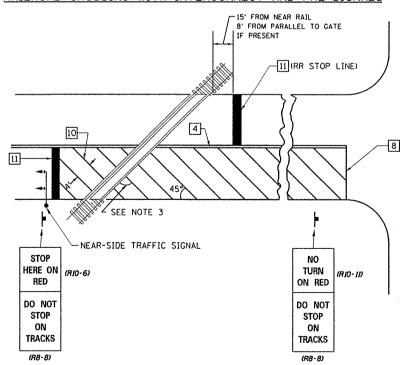
13 4" (100) PARKING WHITE



## 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.
- 2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 3. WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

NOT TO SCALE

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

										DI	STRICT 7 DETAI	IL NO. 78	3000001
FILE NAME :	USER NAME ? swortzrw	DESIGNED -	REVISED -		PAVEMENT	MARKING AND	RAISED R	EL ECTIVE	DAVENENT MARKERS	F.A.S.	SECTION	COUNTY	TOTAL SHEET
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	PLOT DATE = 3/14/2012	T DATE - 3/14/2012 DATE - REVISED -		SCALE: NA	SHEET NO. 4 OF	4 SHEETS	STA.	TO STA.		ILLINOIS FED. A			