06-15-2018 LETTING ITEM 059

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

D-97-032-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 4400 (2017)

0

0

 $\circ$ 

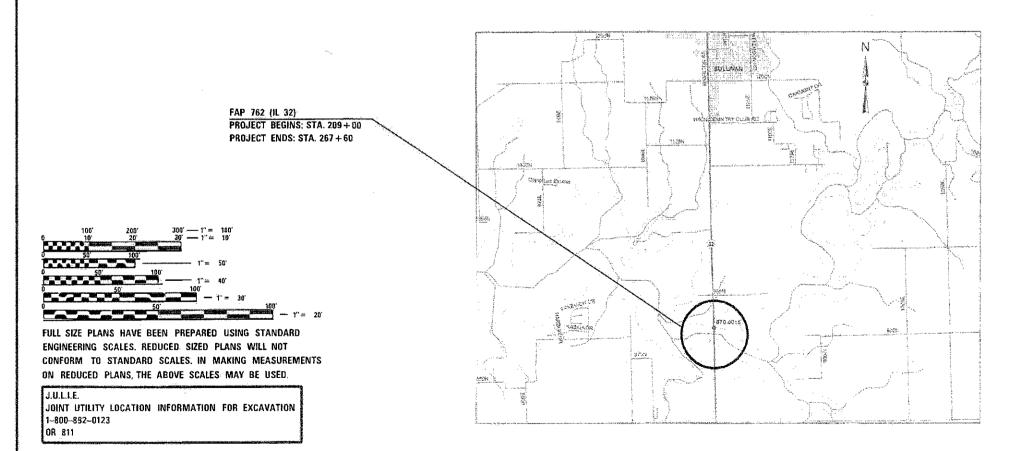
SN 070-0015 OMISSION: STA. 232+23 TO STA. 239+42.5

## PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 762 (IL 32) SECTION D7 HMA RESURF 2018-1

RESURFACING (SMART)
MOULTRIE COUNTY

C-97-068-18

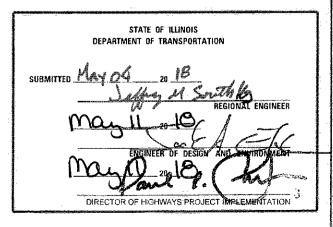


PROJECT ENGINEER: TOM RONAN PROJECT MANAGER: KALEB HIRTZEL

GROSS LENGTH = 5,860 FT. = 1.110 MILE NET LENGTH = 5,140.5 FT. = 0.974 MILE

CONTRACT NO. 74845

THE STANDARD STANDARD



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

### INDEX OF SHEETS

SHEET NO.	<u>I TEM</u>
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS & GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL CROSS SECTIONS
5	SCHEDULE OF QUANTITIES
6 - 7	PLAN SHEETS
8 - 1 1	PAVEMENT MARKING DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

STD. NO.	<u>DESCRIPTION</u>
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS

### GENERAL NOTES

THIS PROJECT IS LOCATED ON FAP 762 (IL 32) IN MOULTRIE COUNTY AND EXTENDS FROM 0.5 MILES NORTH OF LAKE SHELBYVILLE (SN 070-0015) TO 0.5 MILES SOUTH OF LAKE SHELBYVILLE. THE WORK INCLUDED IN THIS SECTION CONSISTS OF PAVEMENT PATCHING, MILLING, OVERLAYING WITH HOT-MIX ASPHALT SURFACE COURSE, AGGREGATE WEDGE SHOULDERS, PAVEMENT MARKING AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

THE MATERIAL USED FOR AGGREGATE WEDGE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP.

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

	AC/PG	DESIGN AIR	MIXTURE	FRICTION	QUALITY
APPLICATION		VOIDS	COMPOSITION	AGGREGATE	MANAGEMENT
HMA SURFACE COURSE, MIX "D", N90 (1 1/2")	PG 64-22	4.0% @ N=90	IL - 9.5	MIXTURE D	QC/QA
CLASS "D" PATCHING	PG 64-22	4.0% @ N=90	IL - 19.0	N/ A	QC/QA

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATING PLAN QUANTITIES:

AGGREGATE SHOULDERS HOT-MIX ASPHALT

SCALE:

2.05 TONS/CU YD

112 LBS/SQ YD/INCH

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/4/2018	DATE -	REVISED -

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

INDEX OF SHEETS, HIGHWAY STANDARDS	F.A.P. RTE	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
& GENERAL NOTES		D7 HMS RESURF 20	18-1	MOULTRIE	11	2
Q ULIVLIAL NOTES				CONTRACT	NO. 74	1845
SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AI	ID PROJECT		

100% STATE 100% STATE

	CHANADY OF CHANTITIES			CON	NSTRUCTION TY	PE CODE		SUMMARY OF QL	LANTITIES		CONS1	RUCTION TYPE COD
CODE NO	SUMMARY OF QUANTITIES	UNIT	TOTAL OUANTITIES	0005			CODE NO	SUMMARI OF UL	TINIT	TOTAL OUANTITIES	0005	
CODE NO	11E#	DIVET	OUANTITIES				CODE NO	TIEW.	CNT	COANTILES		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	6622	6622			<b>*</b> 78100100	RAISED REFLECTIVE PAVEMENT M	IARKER EACH	64	64	
40600990	TEMPORARY RAMP	SQ YD	56	56			X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	28	28	
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1236	1236			Z0049799	PROTECTING OR RESETTING SURV	EY MARKERS EACH	3	3	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	14716	14716								
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	16	16								
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	63	63								
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	517	517								
67100100	MOBILIZATION	L SUM	1	1								
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1								
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	514	514								
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	171	171					-			
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	13185	13185								

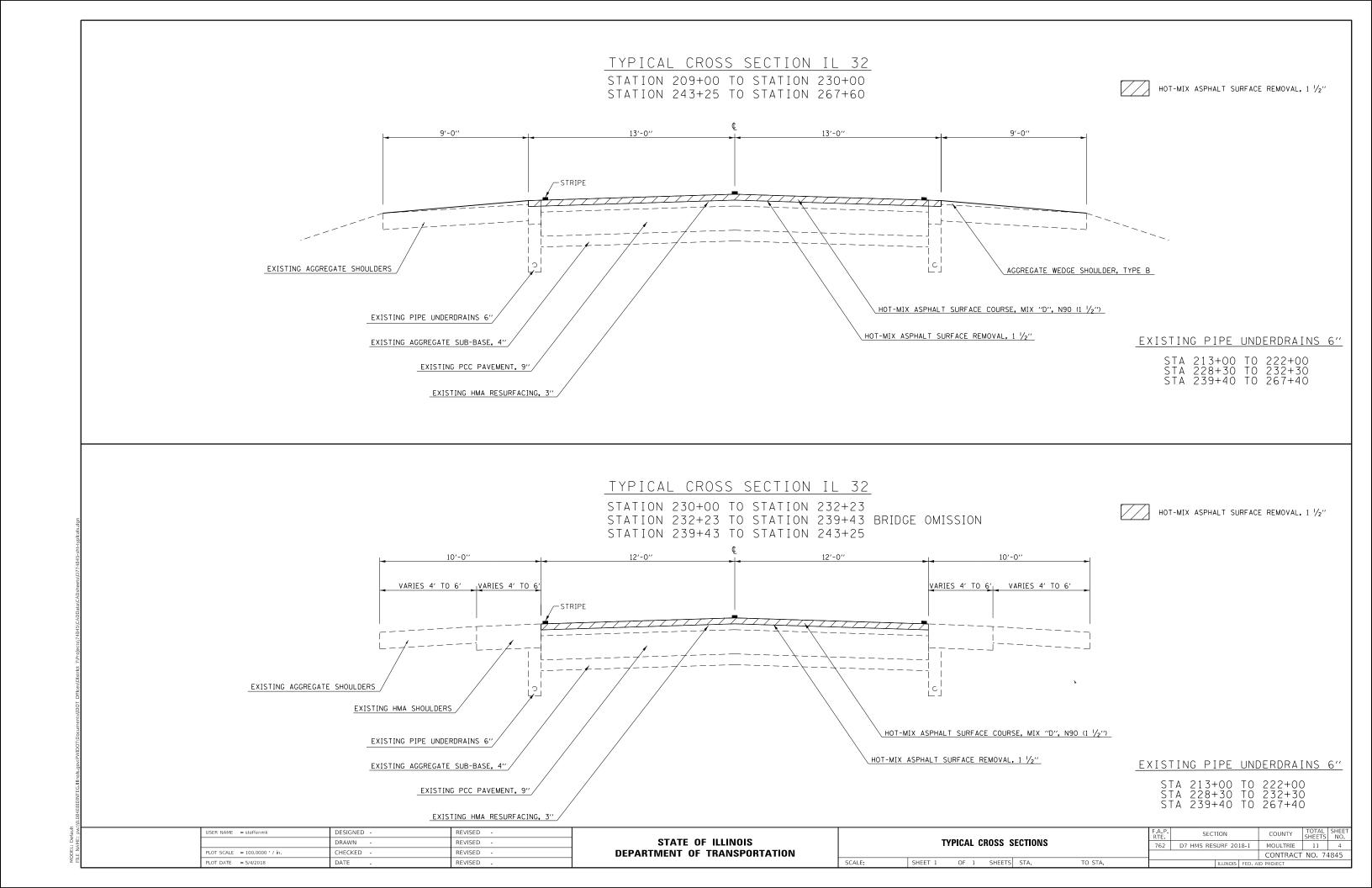
\* SPECIALTY ITEM

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 1/ in.	CHECKED -	REVISED -
PLOT DATE = 5/4/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

							RTE.	SECTION		COUNTY	SHEETS	NO.
		SUMM	Αŀ	RY OF QU	JANTITIE	S	762	D7 HM5 RESURF 20	18-1	MOULTREE	11	3
										CONTRACT	NO. 7	1845
SHEET	1	QF	1	SHEETS	STA.	TO STA.		ILLINOIS	FED. A	ID PROJECT		



PATCHING SCHEDULE				, TYPE I,	, TYPE II,
IL 32	E	LENGTH	1TH	CLASS D PATCHES, 12 INCH	CLASS D PATCHES, 12 INCH
	LANE	LEN	WIDTH	CLA 12	CLA 12
STATION		FEET	FEET	SQ YD	SQ YD
255+90	SB	10	6	-	6.7
255+90	NB	6	6	4.0	-
255+95	SB	6	12	-	8.0
260+80	SB	10	12	-	13.3
261+15	NB	6	6	4.0	-
261+50	SB	6	12	-	8.0
261+70	NB	4	12	-	5.3
261+70	SB	4	12	-	5.3
261+90	NB	6	6	4.0	-
261+90	SB	6	6	4.0	-
262+10	NB	6	12	-	8.0
262+10	SB	6	12	-	8.0
			TOTALS:	16	63

М	URVEY ARKER HEDULE	OFFSET			PROTECTING OR RESETTING SURVEY MARKERS
ROUTE	STATION	(FOOT)	SIDE	COMMENT	(EACH)
IL 32	223+49.95	0.0	_	POT - MAG NAIL WITH WAHSER	1
IL 32	228+00	1.3	LT	PI - MAG NAIL WITH WASHER	1
IL 32	255+03.93	0.0	ı	POT - MAG NAIL WITH WAHSER	1
				TOTALS:	3

RESURFACING SCHEDULE			LENGTH	WIDTH	AREA	TEMPORARY RAMP	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	ACCREGATE WEDGE SHOULDER, TYPE B
STATION	TO	STATION	FOOT	FOOT	SQ YD	SQ YD	SQ YD	POUND	TON	TON
	IL 32									
209+00	TO	230+00	2100.0	13	3033.3	14.4	6066.7	2730.0	509.6	239.2
230+00	TO	232+23	223.0	12	297.3	13.3	594.7	267.6	50.0	-
232+23	TO	239+42.5	719.5	-	-	-	-	-	-	-
239+42.5	TO	243+25	382.5	12	510.0	13.3	1020.0	459.0	85.7	-
243+25	TO	267+60	2435.0	13	3517.2	14.4	7034.4	3165.5	590.9	277.3
	Р	ROJECT TOTALS:	5860	-	7358	56	14716	6622	1236	517

PAVEME SC	LENGTH	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING - LINE 4"	RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)		
STATION	то	STATION	FOOT	FOOT	SQ FT	FOOT	EACH
	IL 32						
209+00	ТО	232+23	2323.0	232.3	77.4	5226.8	29
232+23	ТО	239+42.5	719.5	-	-	1618.9	-
239+42.5	то	267+60	2817.5	281.8	93.9	6339.4	35
		YELLOW TOTALS:	-	-	-	1465	-
		WHITE TOTALS:	-	-	-	11720	-
	P	ROJECT TOTALS:	5860	514	171	13185	64

SCALE:

USER NAME = steffenmk	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	
PLOT DATE = 5/4/2018	DATE -	REVISED -	

STATE	E 01	F ILLINOIS
DEPARTMENT	0F	TRANSPORTATION

						F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCHEDULE OF QUANTITIES				762	D7 HMS RESURF 2018-1	MOULTRIE	11	5		
								CONTRAC	Γ NO. 74	1845
HEET 1	OF	1	SHEETS	STA.	TO STA.		ILLINOIS FED	AID PROJECT		

Z - 5--EXIST. CURVE C1
PI STA. = 228+00.00
\[ \times = 0^\circ 40' 08'' (RT) \]
D = 0^\circ 04' 27''
R = 77,109,25'
T = 450.05'
L = 900.09'
E = 1.31'
e = ---T.R. = ---S.E. RUN = \_\_-P.C. STA. = 223+49.95
P.T. STA. = 232+50.04 Z **← ⑤**⊢**Œ** SN 070-0015 OMISSION 762 D7 HMS RESURF 2018-1 MOULTRIE 11 6

CONTRACT NO. 762

CONTRACT NO. 765 JSER NAME = steffenmk DESIGNED -REVISED -STATE OF ILLINOIS PLAN SHEET DRAWN REVISED -DEPARTMENT OF TRANSPORTATION PLOT SCALE = 100.0000 / in. CHECKED -REVISED -

SCALE:

SHEET 1 OF 2 SHEETS STA. 209+00

TO STA. 239+00

PLOT DATE = 5/4/2018

DATE

REVISED

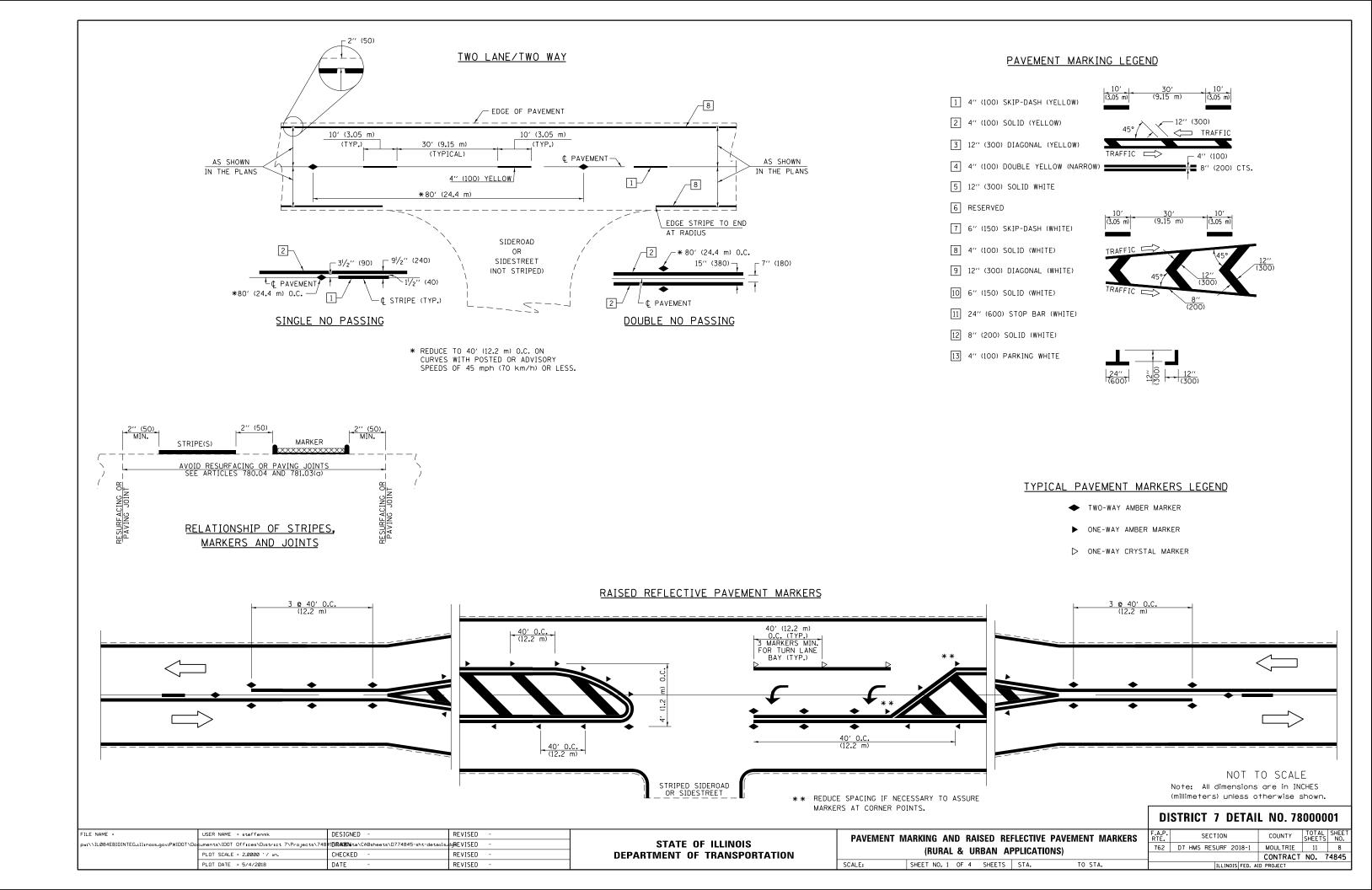
Z - 5--STR OMISSION  $Z \leftarrow \mathbb{S} \leftarrow$ JSER NAME = steffenmk DESIGNED -REVISED -SECTION 
 RATE.
 SECTION
 COUNTY
 SHEETS
 NO.

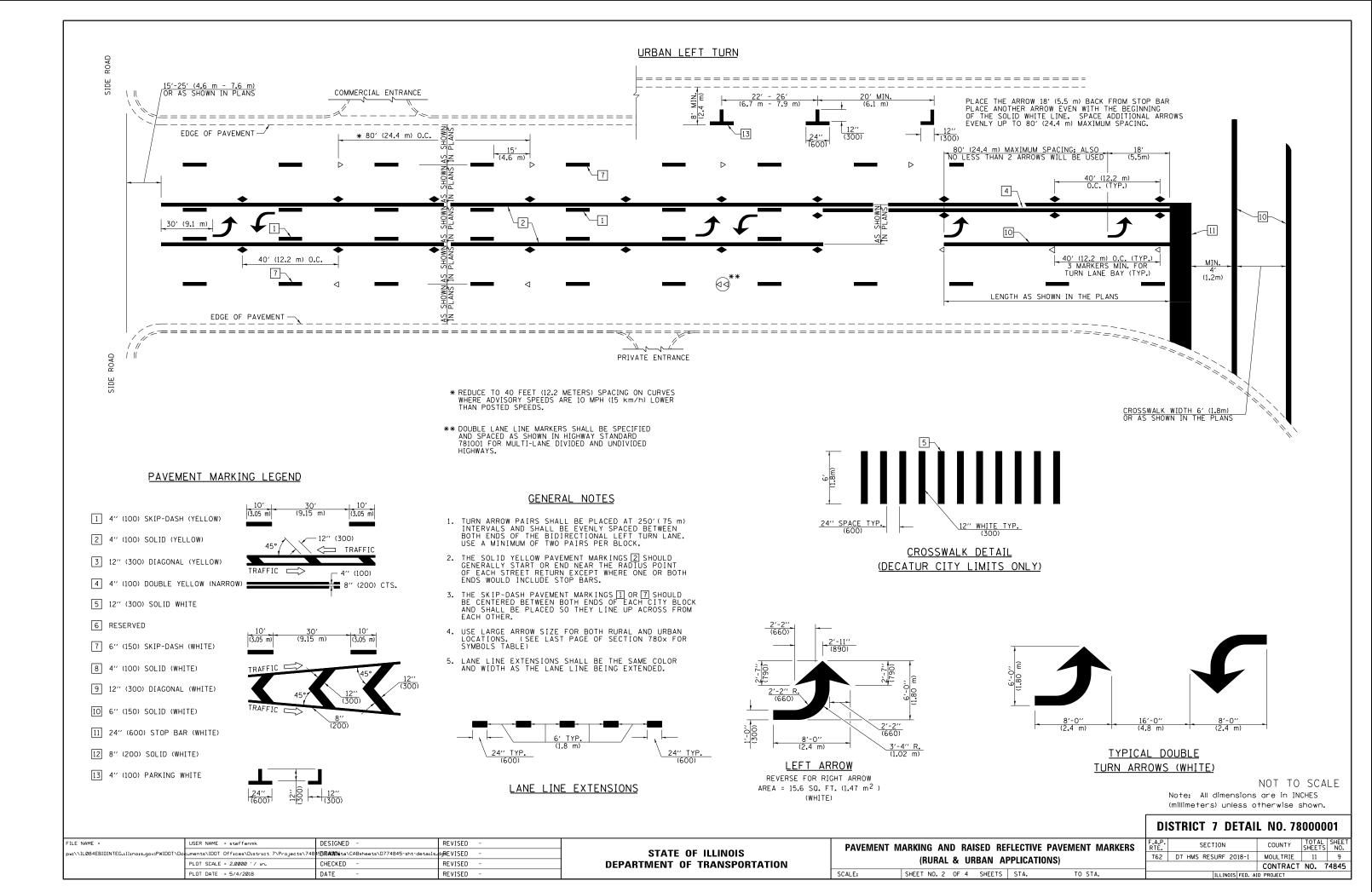
 762
 D7 HMS RESURF 2018-1
 MOULTRIE
 11
 7
 STATE OF ILLINOIS PLAN SHEET DRAWN REVISED -**DEPARTMENT OF TRANSPORTATION** PLOT SCALE = 100.0000 / in. CHECKED -REVISED -CONTRACT NO. 74845

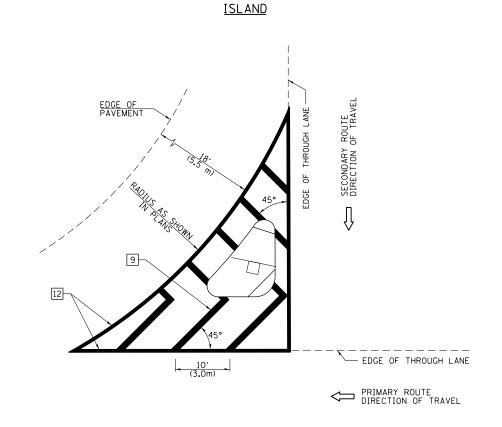
SHEET 2 OF 2 SHEETS STA. 239+00 TO STA. 267+60

PLOT DATE = 5/4/2018

DATE





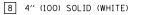


#### PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)



- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)



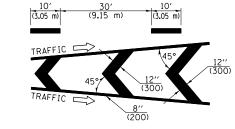
9 12" (300) DIAGONAL (WHITE)

10 6" (150) SOLID (WHITE)

11 24" (600) STOP BAR (WHITE)

12 8" (200) SOLID (WHITE)

13 4" (100) PARKING WHITE



- 4" (100)

**=** 8" (200) CTS.



**GENERAL NOTES** 

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

THE DIAGONAL PAVEMENT MARKING SPACING:

<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.

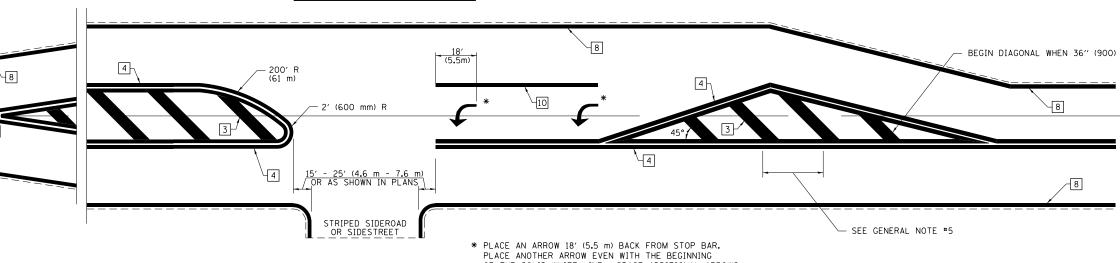
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.

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

15' (4.5 m)

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



OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE

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

D	ISTRICT	7	DETAIL	NO.	78000001
, + D					TOTAL CUEF

FILE NAME = DESIGNED REVISED USER NAME = steffenmk w:\\ILØ84EBIDINTEG.ıllınoıs.gov:PWIDOT\D uments\IDOT Offices\District 7\Projects\74 SNRADON ta\CABsheets\D774845-sht-detail aREVISED CHECKED REVISED PLOT DATE = 5/4/2018 DATE REVISED

4

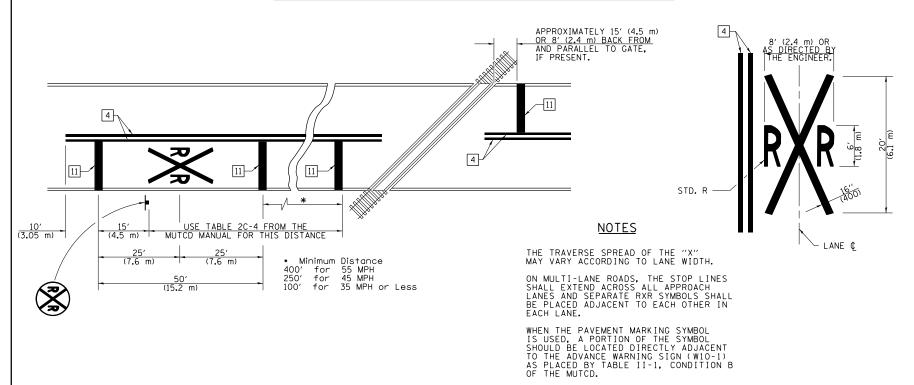
500' (164 m) MIN. NO PASSING ZONE 8

> STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS) SHEET NO. 3 OF 4 SHEETS STA.

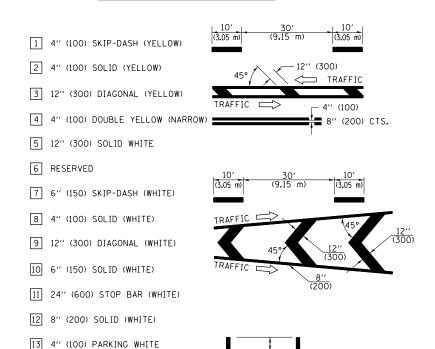
SECTION COUNTY 762 D7 HMS RESURF 2018-1 MOULTRIE 11 10 CONTRACT NO. 74845

#### PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

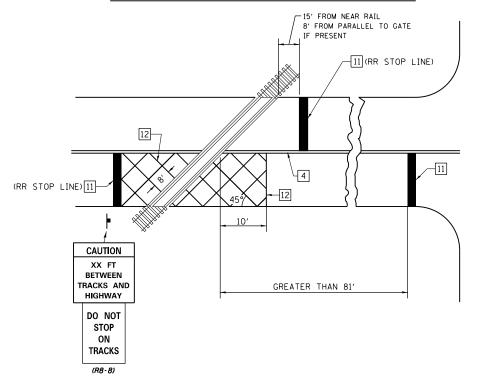


SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

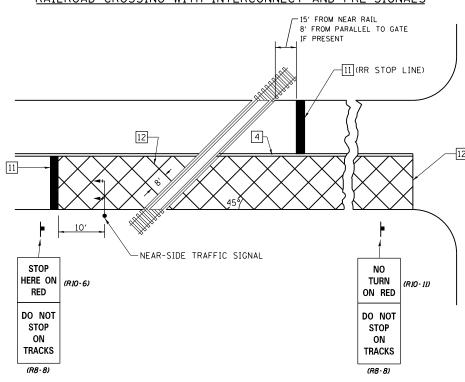
#### PAVEMENT MARKING LEGEND



#### 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.

#### NOT TO SCALE

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

								DI	STRICT 7 DETAI	L NO. 7	78000001
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -		PAVEMENT N	JARKING AND RAISED REE	LECTIVE PAVEMENT MARKERS	F.A.P.	SECTION	COUNTY	TOTAL SHEET
pw:\\ILØ84EBIDINTEG.:ll1:no1s.g	gov:PWIDOT\Documents\IDOT Offices\District 7\Projects\74	B <b>15DRAMON</b> ta\CABsheets\D774845-sht-details	agREVISED -	STATE OF ILLINOIS	PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL & URBAN APPLICATIONS)		762	D7 HMS RESURF 2018-1	MOULTRIE	11 11	
	PLOT SCALE = 2.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRAC	CT NO. 74845	
	PLOT DATE = 5/4/2018	DATE -	PEVISED -		SCALE.	SHEET NO 4 OF 4 SHEETS	STA TO STA		THE INOIS SED. A	ID DDO IECT	