

1-20-2012 LETTING ITEM 090

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 752 (US 40)  
SECTION (23-2)RS-1,(W,V)RS-2  
PROJECT F-0752 (005)  
BITUMINOUS RESURFACING  
FAYETTE COUNTY

C-97-129-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
752	(23-2)RS-1,(W,V)RS-2	Fayette	13	1
		ILLINOIS	CONTRACT NO. 74415	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

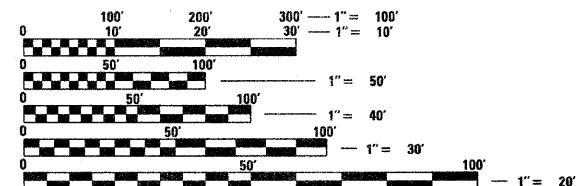
STATION EQUATIONS

STA 65+48.71 BK = STA 33+55.00 AH  
STA 174+15.40 BK = STA 0+00.00 AH  
STA 33+77.00 BK = STA 102+92.10 AH  
STA 119+32.10 BK = STA 119+34.57 AH  
STA 120+94.05 BK = STA 119+99.41 AH

PAVING OMISSIONS

STA 46+00 TO STA 56+69  
STA 68+67 TO STA 70+02  
STA 83+86 TO STA 85+45  
STA 148+08 TO STA 151+77

ADT (2007) = 3,350

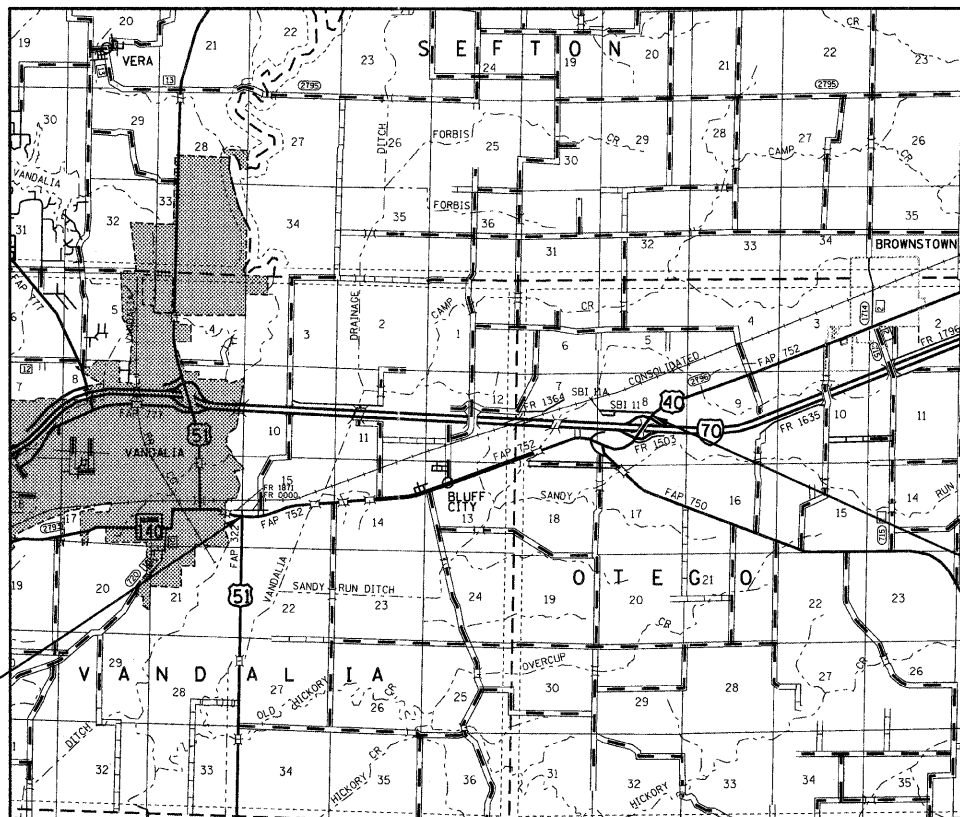


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MARK DAUGHERTY  
PROJECT MANAGER: BRIAN BIERMAN  
PHONE: (217)-342-8313  
CONTRACT NO. 74415

PROJECT BEGINS  
STA 49+82



PROJECT ENDS  
STA 162+95

GROSS LENGTH = 25,099 FT. = 4.75 MILE  
NET LENGTH = 23,367 FT. = 4.43 MILE

D-97-073-09



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Oct 26 20 11  
Roger J. Dinkell  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 9 20 11  
Scott E. Stitt, P.E.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

December 9 20 11  
William R. Frazer  
interim DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

## GENERAL NOTES

SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED AS FOLLOWS:  
TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON THE MILLED SURFACE.

THE HMA SURFACE REMOVAL AND RESURFACING SHALL BE DONE IN A MANNER THAT DOES NOT RESULT IN A GREATER ELEVATION DIFFERENTIAL BETWEEN OPEN LANES THAN ALLOWED BY ARTICLE 701.07 OF THE STANDARD SPECIFICATIONS.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 25,991 FEET OF YELLOW AND 47,481 FEET OF WHITE.

ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE TWO-WAY AMBER MARKERS.

THE ACTUAL LOCATIONS OF PAVEMENT PATCHES SHALL BE DETERMINED BY THE RESIDENT ENGINEER.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS 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 CONTRACTOR SHALL USE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP OR SS-1H FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

AGGREGATE FOR AGGREGATE SHOULDERS SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. AGGREGATE FOR AGGREGATE SURFACE COURSE, TYPE B, SHALL BE CRUSHED STONE OR CRUSHED CONCRETE. RAP SHALL NOT BE USED AS AGGREGATE SHOULDERS, TYPE B WITHIN THE VILLAGE LIMITS OF BLUFF CITY.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE RAMPS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE
SURFACE COURSE	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C
LEVELING BINDER	PG 64-22	4.0% @ N=70	IL - 9.5	N/A
INCIDENTAL SURFACE	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C
CLASS D PATCHING	PG 64-22	4.0% @ N=70	IL - 19.0	N/A

## INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS, LIST OF STANDARDS
3	SUMMARY OF QUANTITIES
4	LOCATION MAP
5	TYPICAL SECTIONS
6-7	SCHEDULE OF QUANTITIES
8	PAVING DETAILS
9	ENTRANCE SCHEDULE
10-13	STRIPING SHEETS

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

STD. NO.	DESCRIPTION
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
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS-DAY ONLY
701456-02	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-02	TRAFFIC CONTROL DEVICES
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

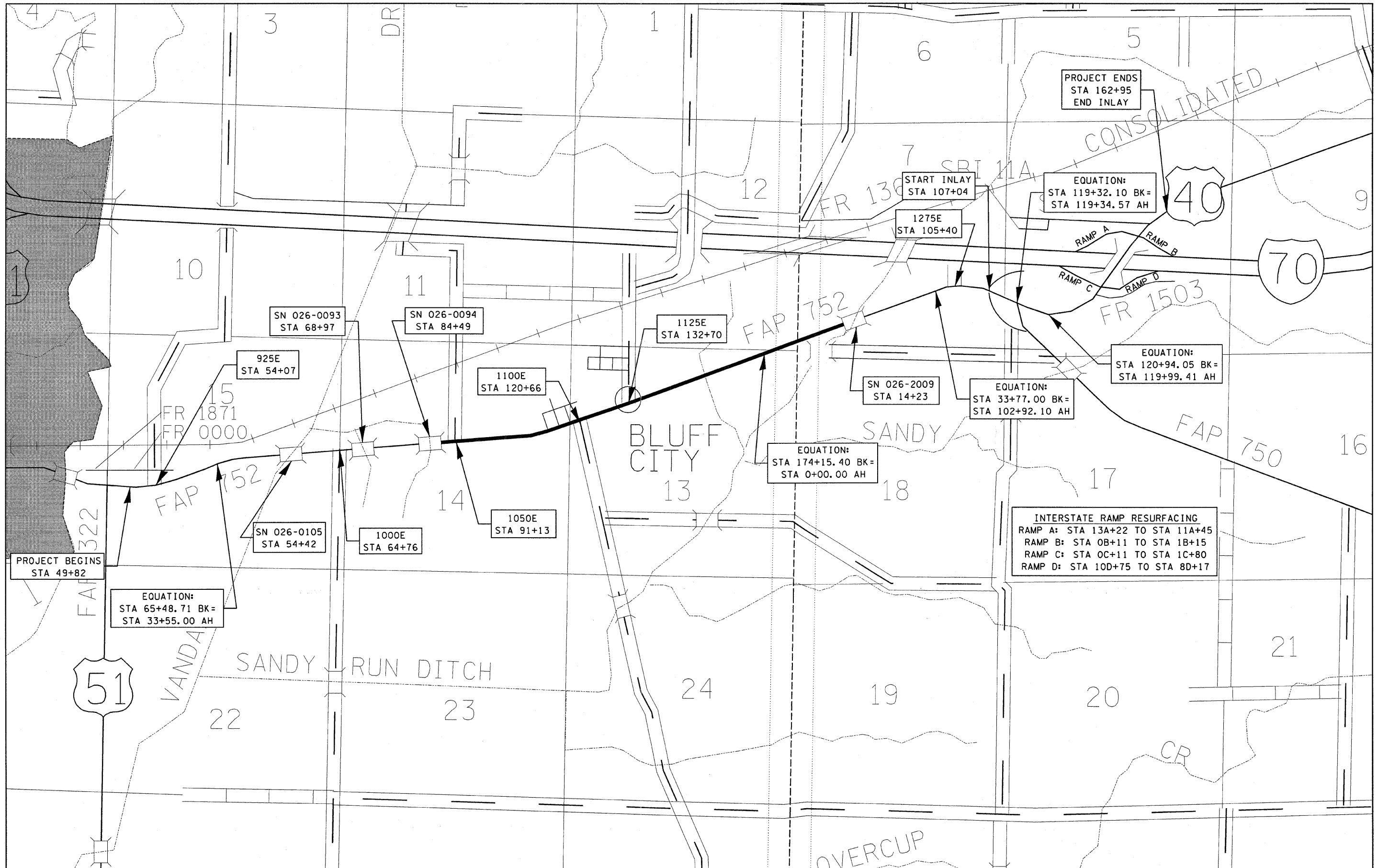
FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND INDEX OF SHEETS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzr\08148615\077415\sh: index.dgn	DRAWN -	REVISED -	752			(23-2)RS-1,(W,V)RS-2	FAYETTE	13	2	
PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 74415							
PLOT DATE = 10/27/2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
SCALE: NA						SHEET 1	OF 1	SHEETS	STA.	TO STA.

80% FED.  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		0005
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	334	334
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	84	84
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	15271	15271
40600300	AGGREGATE (PRIME COAT)	TON	305	305
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	3207	3207
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	599	599
40600990	TEMPORARY RAMP	SQ YD	474	474
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	6804	6804
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	77	77
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	20418	20418
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	35	35
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	1219	1219
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	22	22
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	400	400
44201835	CLASS D PATCHES, TYPE I, 16 INCH	SQ YD	20	20
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	903	903
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	65	65
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	326	326
48101200	AGGREGATE SHOULDERS, TYPE B	TON	793	793
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	16	16
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3
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
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7530	7530
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	837	837
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	73472	73472
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	314	314
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	138	138
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	55338	55338

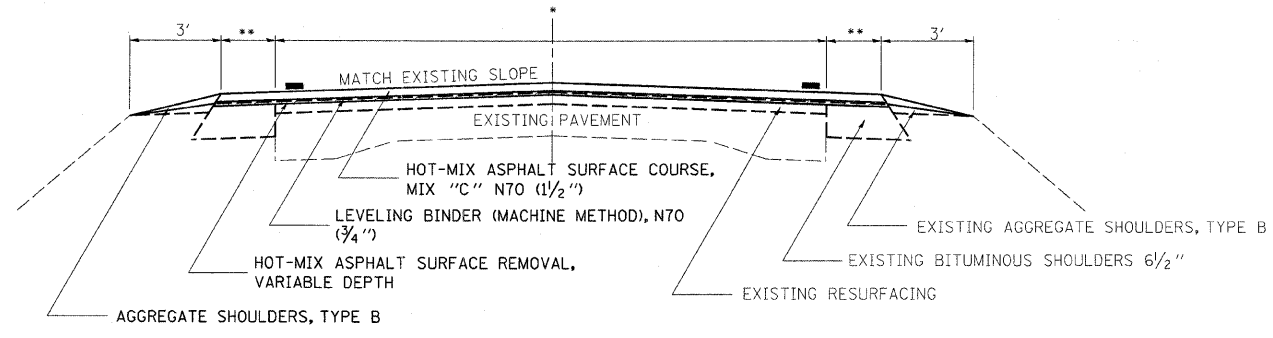
\*SPECIALTY ITEM

FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\ps_work\p\p\dot\swartzra\08148615\077415-sht-sec.dgn		DRAWN -	REVISED -			752	(23-2)RS-1,(W,V)RS-2	FAYETTE	13	3	
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 74415					
PLOT DATE = 10/27/2011		DATE -	REVISED -			SCALE: NA	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

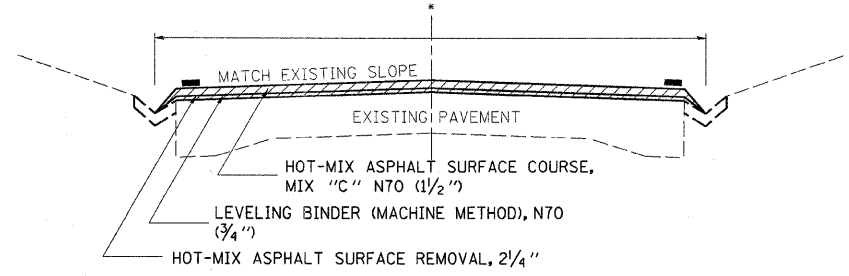


**INTERSTATE RAMP RESURFACING**  
 RAMP A: STA 13A+22 TO STA 11A+45  
 RAMP B: STA 0B+11 TO STA 1B+15  
 RAMP C: STA 0C+11 TO STA 1C+80  
 RAMP D: STA 10D+75 TO STA 8D+17

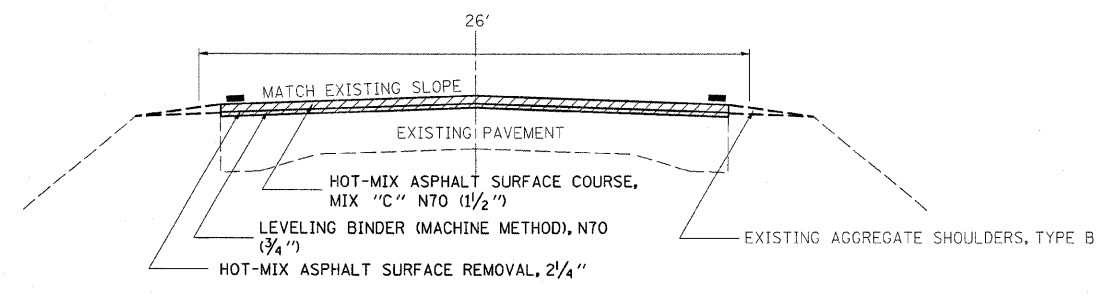
FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>LOCATION MAP</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\p\dot\swartzw\d0148615\077415\shtr\cover.dgn		DRAWN -	REVISED -		SCALE: NA	SHEET 1 OF 1 SHEETS	STA.	752	(23-2)RS-1, (W,V)RS-2	Fayette	13	4
PLOT SCALE = 50.0000 // in.		CHECKED -	REVISED -				TO STA.	CONTRACT NO. 74415				
PLOT DATE = 10/27/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



STA 49+64 TO STA 59+00: \* = 34' TO 22', \*\* = 3'  
 STA 59+00 TO STA 65+00: \* = 22', \*\* = 3'  
 STA 65+00 TO STA 109+00: \* = 26', \*\* = 2'  
 STA 109+00 TO STA 174+15: \* = 26', \*\* = 0'  
 STA 174+15.40 BK = STA 0+00.00 AH  
 STA 0+00 TO STA 33+77: \* = 26', \*\* = 0'  
 STA 33+77.00 BK = STA 102+92.10 AH  
 STA 102+92 = STA 107+04: \* = 26', \*\* = 0'



STA 107+04 TO STA 119+32: \* = 22'  
 STA 119+34 TO STA 141+32: \* = 24'



STA 144+90 TO STA 148+08  
 STA 151+77 TO STA 154+61  
 STA 158+64 TO STA 162+95

NOTE: TYPICALS NOT DRAWN TO SCALE

FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICALS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pw_work\p\dot\swartzw\0148615\0774	15-shr-typical.dgn	DRAWN -	REVISED -		SCALE: NA	SHEET 1	OF 1	SHEETS	STA.	TO STA.	752	(23-2)RS-1, (W,V)RS-2	Fayette	13	5
	PLOT SCALE = 5/8"=1'-0"	CHECKED -	REVISED -												
	PLOT DATE = 10/27/2011	DATE -	REVISED -												
											CONTRACT NO. 74415		ILLINOIS FED. AID PROJECT		

PAVEMENT SCHEDULE															
STATION TO STATION			LENGTH	AVERAGE WIDTH	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	TEMPORARY RAMP	TEMPORARY RAMP, SPECIAL	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	EXCAVATING AND GRADING EXISTING SHOULDERS	HMA SURFACE COURSE, MIX "C" N70	LEVELING BINDER (MACHINE METHOD), N70	AGGREGATE SHOULDERS, TYPE B
US 51			FEET	FEET	GAL	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	UNIT	TON	TON	TON
49+64	TO	59+00	936	34	707	14.1	49	-	132	3404	-	18	318	149	67
59+00	TO	65+00	600	28	373	7.5	-	-	-	1867	-	11	170	78	43
65+00	TO	65+48	48	30	32	0.6	-	-	-	160	-	1	15	7	4
65+48.71	TO	33+55.00	STATION EQUATION												
33+55	TO	46+00	1245	30	830	16.6	43	-	117	4033	-	25	378	174	95
46+00	TO	56+69	BRIDGE OMISSION												
56+69	TO	68+67	1198	30	799	16.0	43	-	117	3877	-	24	363	168	91
68+67	TO	70+02	BRIDGE OMISSION												
70+02	TO	83+86	1384	30	923	18.5	43	-	117	4497	-	27	419	194	104
83+86	TO	85+45	BRIDGE OMISSION												
85+45	TO	109+00	2355	30	1570	31.4	43	-	117	7733	-	45	711	330	169
109+00	TO	174+15	6515	26	3764	75.3	-	-	-	18821	-	112	1712	790	425
174+15.40	TO	0+00.00	STATION EQUATION												
0+00	TO	33+77	3377	26	1951	39.0	-	-	-	9756	-	65	896	410	248
33+77.00	TO	102+92.10	STATION EQUATION												
102+92	TO	107+04	412	26	238	4.8	-	-	-	1190	-	6	107	50	23
107+04	TO	119+32	1228	22	600	12.0	-	36	-	-	3002	-	252	126	-
119+32.10	TO	119+34.57	STATION EQUATION												
119+34	TO	120+94	160	24	85	1.7	-	-	-	-	427	-	36	18	-
120+94.05	TO	119+99.41	STATION EQUATION												
119+99	TO	141+32	2133	24	1138	22.8	-	89	-	-	5688	-	478	239	-
141+32	TO	144+90	VAR	VAR	841	16.8	69	-	-	-	4206	-	353	177	-
144+90	TO	148+08	318	26	184	3.7	38	-	-	-	919	-	77	39	-
148+08	TO	151+77	BRIDGE OMISSION												
151+77	TO	154+61	284	26	164	3.3	38	-	-	-	820	-	69	34	-
154+61	TO	158+64	VAR	VAR	822	16.4	69	13	-	-	4111	-	345	173	-
158+64	TO	162+95	431	26	249	5.0	38	-	-	-	1245	-	105	52	-
TOTALS:					15271	305	474	138	599	55338	20418	334	6804	3207	1269

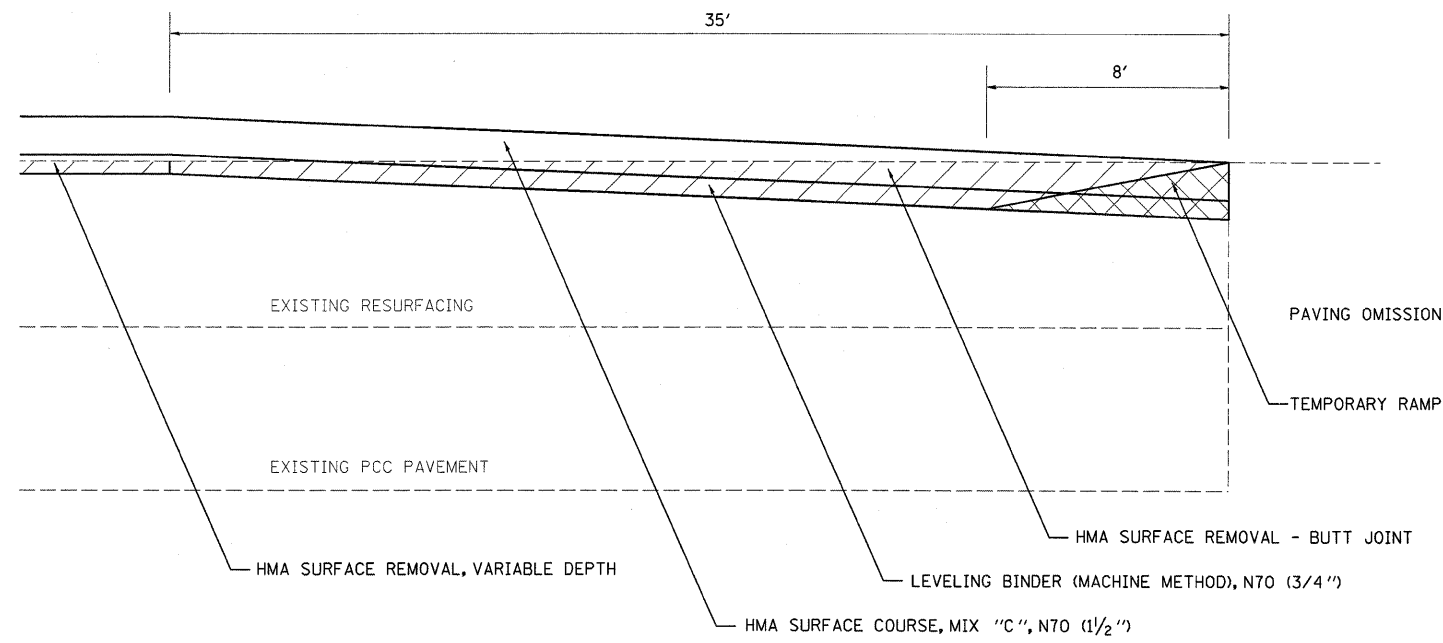
LANE	PATCHING SCHEDULE							
	CLASS D PATCHES, TYPE I, 12 INCH	CLASS D PATCHES, TYPE II, 12 INCH	CLASS D PATCHES, TYPE III, 12 INCH	CLASS D PATCHES, TYPE IV, 12 INCH	CLASS D PATCHES, TYPE I, 16 INCH	CLASS D PATCHES, TYPE II, 16 INCH	CLASS D PATCHES, TYPE III, 16 INCH	CLASS D PATCHES, TYPE IV, 16 INCH
EASTBOUND	20	577	22.0	400.0	20	622	32.0	196.0
WESTBOUND	15	642	0.0	0.0	0	281	33.0	130.0
TOTALS:	35	1219	22	400	20	903	65	326

PERMANENT SURVEY MARKERS, TYPE I

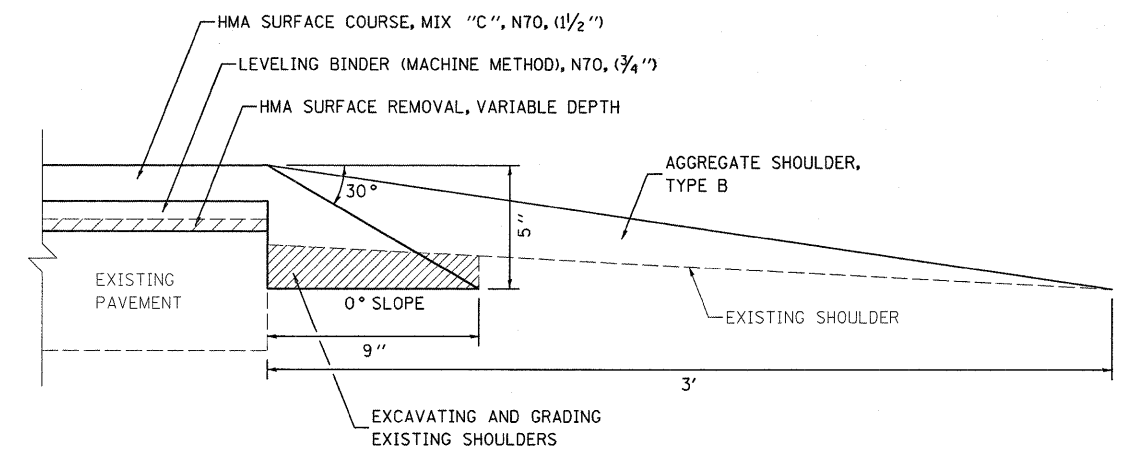
LOCATION	DESCRIPTION	EACH
P. T. 52+67.89	MAG NAIL W/ WASHER	1
P. C. 56+11.12	MAG NAIL W/ ALUM. TAG	1
P. T. 63+48.97 = 31+23.58	MAG NAIL W/ ALUM. TAG	1
P. O. T. 32+00.00	MAG NAIL W/ WASHER	1
P. I. 43+99.97	MAG NAIL W/ ALUM. TAG	1
P. O. T. 64+95.03	MAG NAIL W/ ALUM. TAG	1
P. O. T. 73+95.69	MAG NAIL W/ ALUM. TAG	1
P. O. T. 80+00.00	MAG NAIL W/ ALUM. TAG	1
P. O. T. 87+00.00	MAG NAIL W/ ALUM. TAG	1
P. O. T. 100+70.88	MAG NAIL W/ ALUM. TAG	1
P. C. 104+28.81	MAG NAIL W/ ALUM. TAG	1
P. O. T. 76+68.27	MAG NAIL	1
P. T. 117+85.00	MAG NAIL	1
P. T. 121+23.45	MAG NAIL W/ WASHER	1
P. C. 122+33.42	MAG NAIL	1
P. T. 143+61.34	MAG NAIL	1
TOTAL =		16

STRIPING SCHEDULE			PAINT PAVEMENT MARKING - LINE 4"	SHORT TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
STATION TO STATION						
			FOOT	FOOT	SO FT	EACH
49+82	TO	65+49	3361	470	52	20
65+48.71 TO 33+55.00			STATION EQUATION			
33+55	TO	174+15	29397	4218	469	176
174+15.40 TO 0+00.00			STATION EQUATION			
0+00	TO	33+77	7111	1013	113	42
33+77.00 TO 102+92.10			STATION EQUATION			
102+92	TO	119+32	3071	492	55	21
119+32.10 TO 119+34.57			STATION EQUATION			
119+35	TO	120+94	319	48	5	2
120+94.05 TO 119+99.41			STATION EQUATION			
119+99	TO	162+95	8591	1289	143	54
NO PASSING ZONES						
EASTBOUND:						
98+85	TO	110+12	1127	-	-	-
132+93	TO	138+16	523	-	-	-
160+68	TO	174+15	1347	-	-	-
174+15.40 TO 0+00.00			STATION EQUATION			
0+00	TO	7+05	705	-	-	-
19+12	TO	33+77	1465	-	-	-
33+77.00 TO 102+92.10			STATION EQUATION			
102+92	TO	119+32	1640	-	-	-
119+32.10 TO 119+34.57			STATION EQUATION			
119+35	TO	120+94	159	-	-	-
120+94.05 TO 119+99.41			STATION EQUATION			
119+99	TO	162+95	4296	-	-	-
WESTBOUND:						
49+82	TO	55+09	527	-	-	-
109+05	TO	116+48	743	-	-	-
140+60	TO	145+81	521	-	-	-
170+40	TO	174+15	375	-	-	-
174+15.40 TO 0+00.00			STATION EQUATION			
0+00	TO	17+55	1755	-	-	-
30+32	TO	33+77	345	-	-	-
33+77.00 TO 102+92.10			STATION EQUATION			
102+92	TO	119+32	1640	-	-	-
119+32.10 TO 119+34.57			STATION EQUATION			
119+35	TO	120+94	159	-	-	-
120+94.05 TO 119+99.41			STATION EQUATION			
119+99	TO	162+95	4296	-	-	-
TOTALS:			73472	7530	837	314

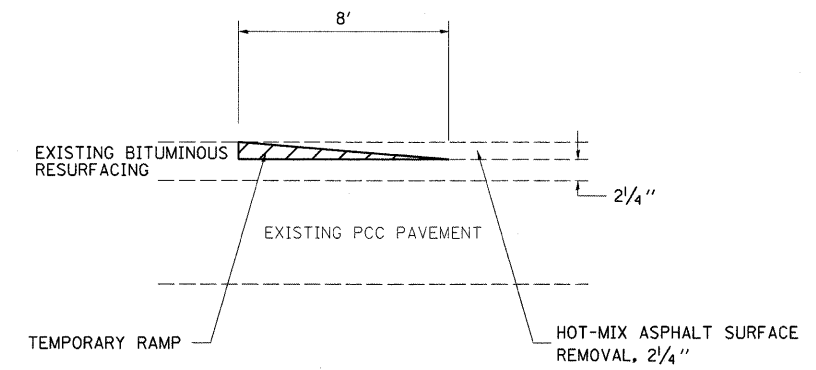
FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\swartzw\d0148615\077415-ahtrschdgn		DRAWN -	REVISED -		SCALE: NA	SHEET 2 OF 2 SHEETS	STA.	TO STA.	752	(23-2)RS-1, (W,V)RS-2	FAYETTE	13 7
		CHECKED -	REVISED -		CONTRACT NO. 74415							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



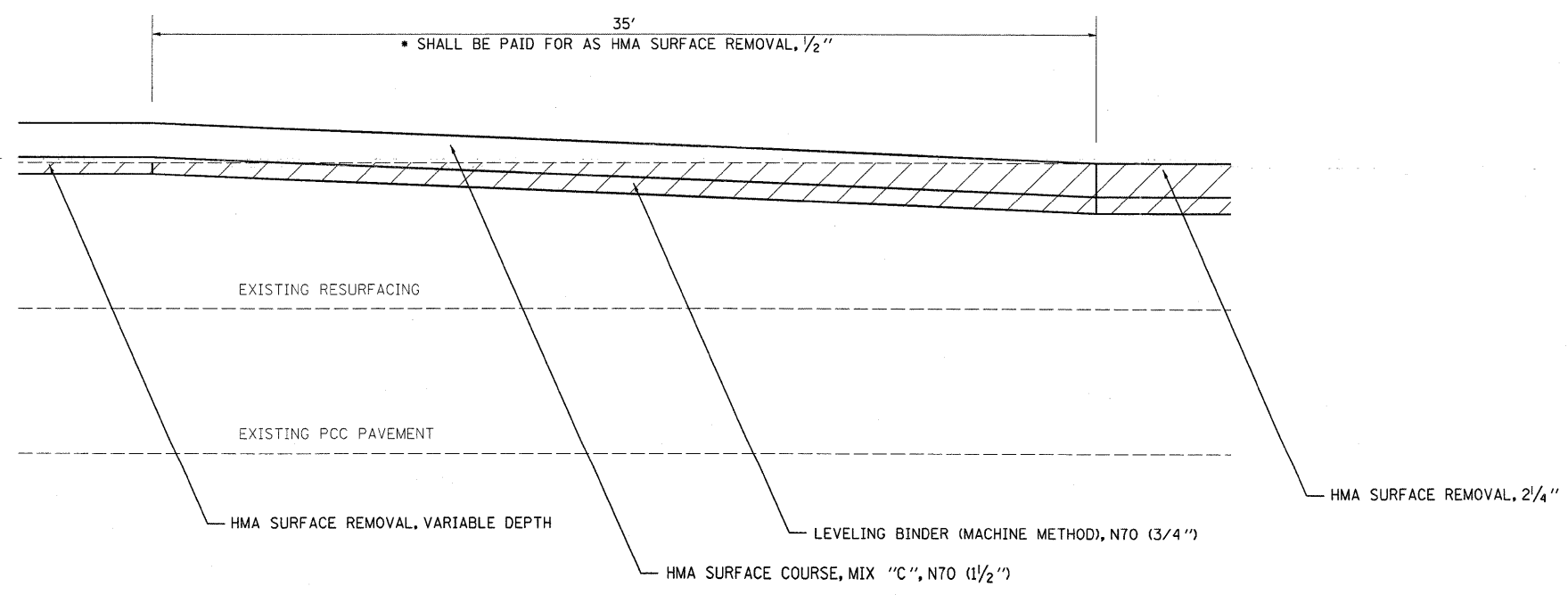
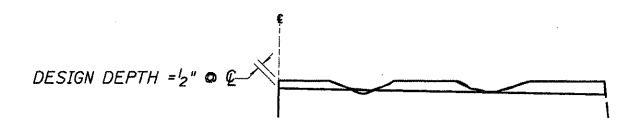
**BUTT JOINT DETAIL**  
 STA 49+64 TO STA 49+99  
 STA 45+65 TO STA 46+00  
 STA 56+69 TO STA 57+04  
 STA 68+32 TO STA 68+67  
 STA 70+02 TO STA 70+37  
 STA 83+51 TO STA 83+86  
 STA 85+45 TO STA 85+80



**SAFETY EDGE**



**TEMPORARY RAMP DETAIL**  
 STA 11A+45 TO STA 11A+53  
 STA 1B+07 TO STA 1B+15  
 STA 148+00 TO STA 148+08  
 STA 151+77 TO STA 151+85  
 STA 8D+17 TO STA 8D+25  
 STA 1C+72 TO STA 1C+80  
 STA 162+87 TO STA 162+95



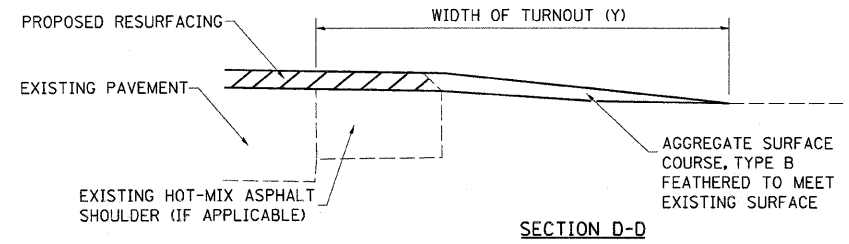
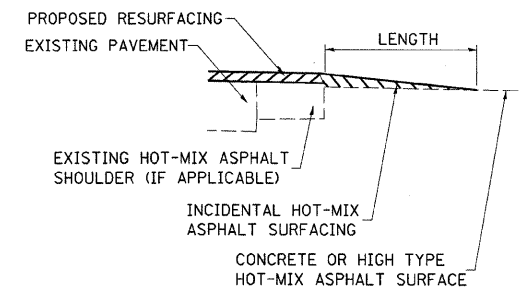
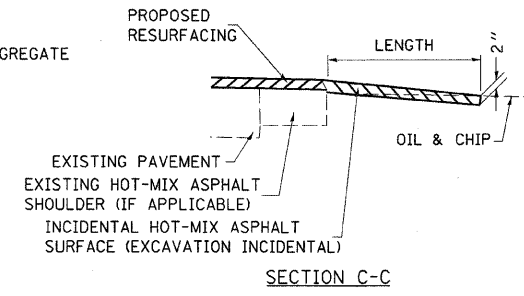
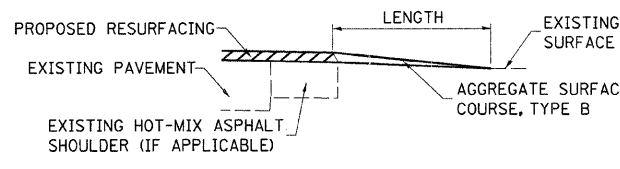
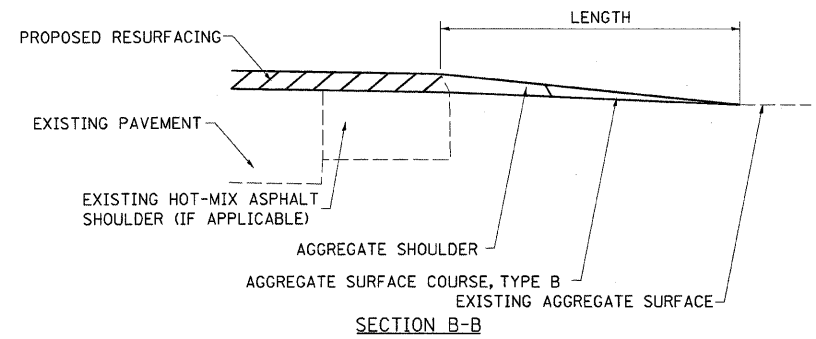
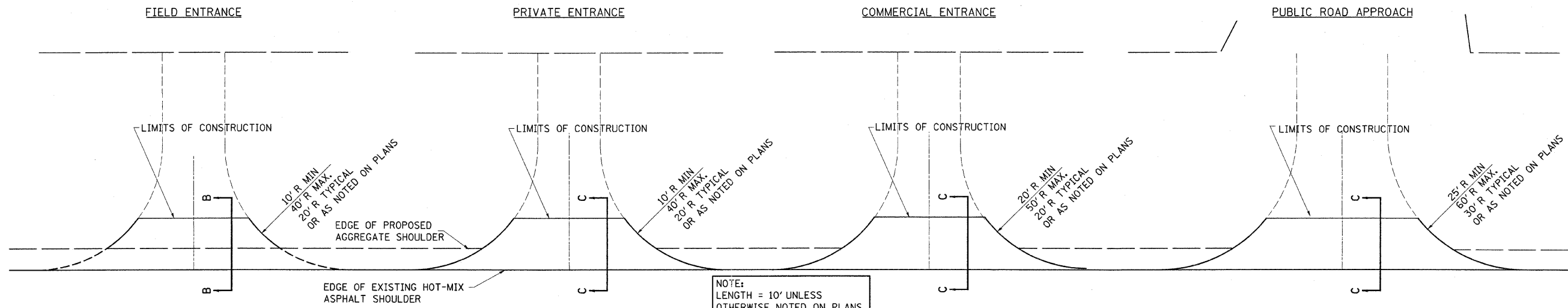
**MILLING TRANSITION DETAIL**  
 STA 106+69 TO STA 107+04

- NOTES:**
- MILLING SHALL BE DONE TO ATTAIN A 3/16" SLOPE IN CROWN SECTIONS
  - EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
  - MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
  - THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 1/2" BUT MAY VARY IN ISOLATED LOCATIONS.

**HMA SURFACE REMOVAL (VARIABLE DEPTH) DETAIL**

FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVING DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw\work\p\dot\swartzw\d0148615\0774	15-shr-details.dgn	DRAWN -	REVISED -		SCALE: NA	SHEET 1	OF 1	SHEETS	752	(23-2)RS-1, (W,V)RS-2	Fayette	13	8
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -		STA.	TO STA.	CONTRACT NO. 74415						
	PLOT DATE = 10/27/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								





**TYPICAL SECTION AT MAILBOX TURNOUT**  
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

**NOTES**

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	54+07	PRA	3.2	
RT	56+30	FE		2.1
RT	64+76	PRA	3.6	
RT	78+90	FE		1.8
RT	88+46	PE		2.2
LT	91+13	PRA	2.7	
RT	99+67	CE	2.1	
RT	100+30	CE	2.1	
RT	101+21	PE		2.2
LT	104+40	PE		1.4
LT	104+61	PE		2.3
LT	110+06	PE		1.8
LT	111+42	FE		1.8
RT	111+94	CE		3.6
LT	112+10	PE		1.4
RT	112+32	PE		1.8
LT	112+94	PRA	3.0	
RT	114+61	CE	4.2	
LT	115+86	PRA	4.0	
RT	115+94	CE	4.0	

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	117+85	CE		3.1
RT	118+58	CE	3.3	
LT	118+78	PRA	3.5	
RT	119+23	CE	2.1	
RT	120+66	PRA	5.3	
RT	122+87	PE		1.7
LT	124+54	PE		1.6
LT	124+81	PE		1.7
LT	126+12	CE		2.3
RT	126+61	CE	1.8	
LT	126+89	PE		1.8
RT	129+92	CE	3.5	
RT	131+15	CE	1.5	
RT	132+22	CE	2.7	
LT	132+70	PRA	6.8	
RT	133+27	PE		1.2
RT	133+86	CE		3.6
RT	133+97	PE		1.2
LT	134+44	PE		1.5
LT	135+69	PE		3.0

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	136+09	PE		1.3
LT	137+65	PE		3.6
LT	138+17	PE		1.7
LT	139+62	PE		2.0
LT	140+75	PE		1.8
LT	142+67	PE		2.4
LT	145+62	PE		2.7
RT	146+08	FE		1.4
LT	146+48	PE	2.0	
RT	151+48	FE		1.2
LT	152+38	PE		4.0
RT	164+80	PE	2.1	
RT	172+09	FE		3.0
RT	173+52	PE		2.7
LT	0+12	FE		2.5
LT	7+59	PE		2.1
LT	12+50	PE	1.9	
LT	28+87	PE		3.5
LT	31+44	PE	3.6	
RT	104+53	PE		3.5

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	105+40	PRA	3.2	
RT	105+80	CE	5.4	
TOTALS:			77	84

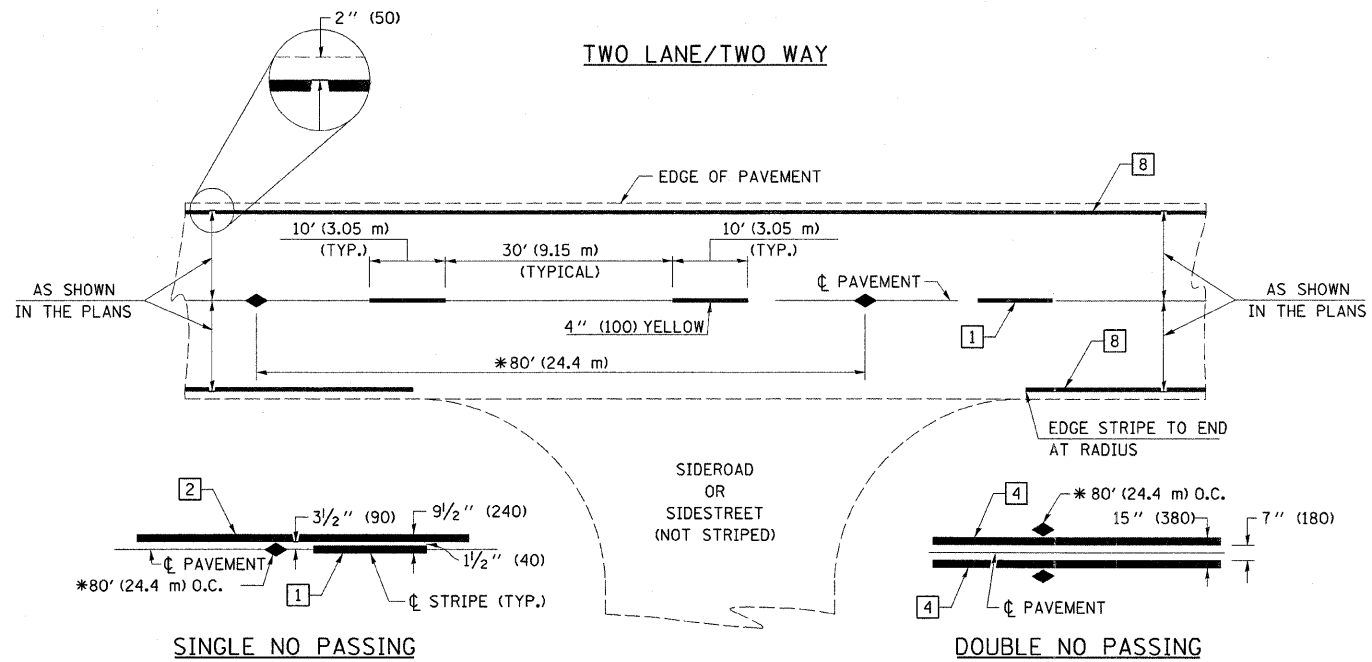
FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH  
PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT  
CE=COMMERCIAL ENTRANCE

FILE NAME =	USER NAME = administrator	DESIGNED - 08-03-99	REVISED -
ca:\pw\work\pw\dot\swartz\va0148615\077415-shd-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

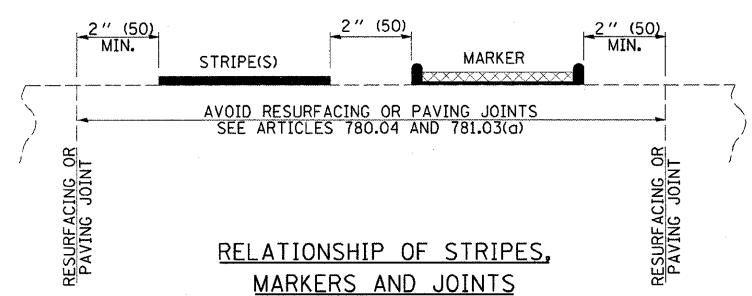
RURAL ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS WITH SHOULDERS			
SCALE: NA	SHEET 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
752	(23-2)RS-1, (W.V)RS-2	Fayette	13	9
CONTRACT NO. 74415			ILLINOIS FED. AID PROJECT	



**PAVEMENT MARKING LEGEND**

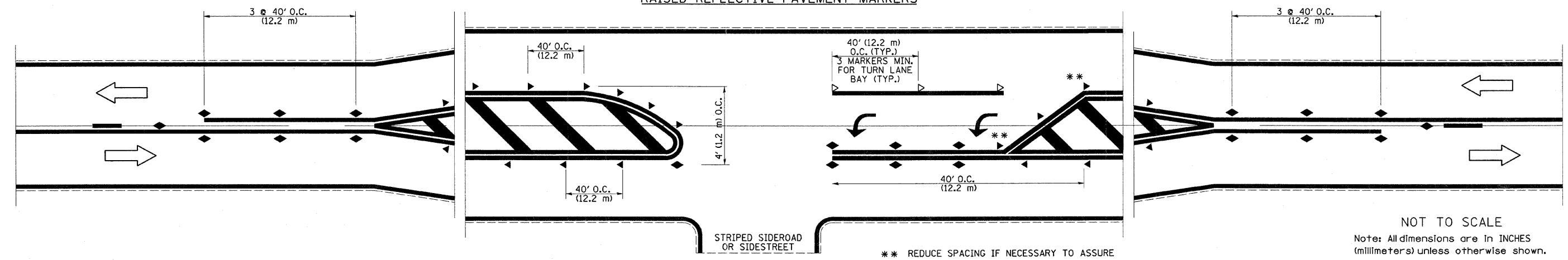
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP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



**TYPICAL PAVEMENT MARKERS LEGEND**

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

**RAISED REFLECTIVE PAVEMENT MARKERS**



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

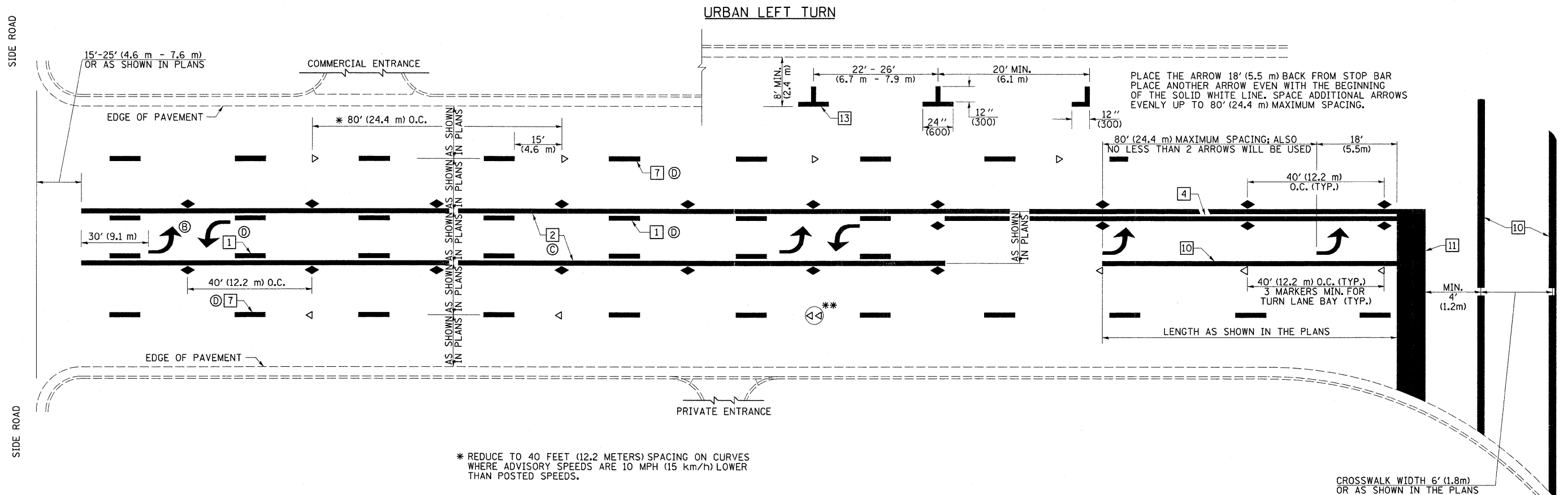
FILE NAME =	USER NAME = administrator	DESIGNED -	REVISED -
ca:\pw\work\pwsdot\swartz\10148615\077415-sh1-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50:2000 1/4" = 1'	CHECKED -	REVISED -
	PLOT DATE = 10/27/2011	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

<b>DISTRICT 7 DETAIL NO. 7800001</b>				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
752	(23-2)RS-1, (W,V)RS-2	Fayette	13	10
			CONTRACT NO.	74415
ILLINOIS FED. AID PROJECT				

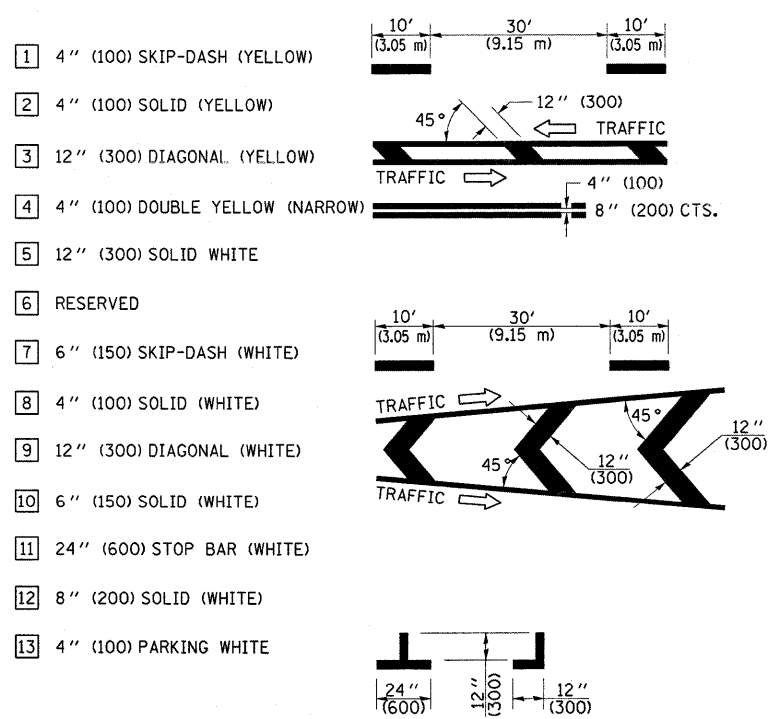
SCALE: NA SHEET 1 OF 4 SHEETS STA. TO STA.



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

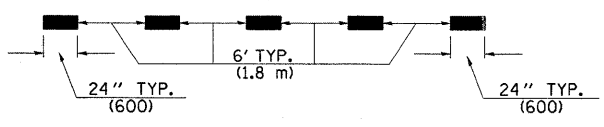
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

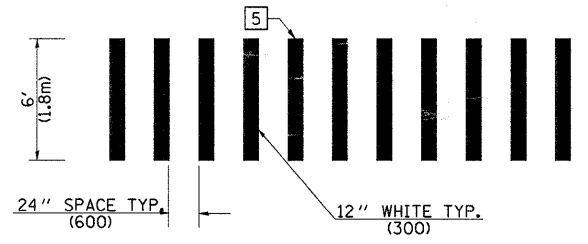


**GENERAL NOTES**

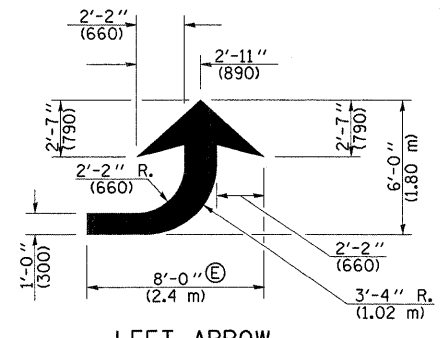
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT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



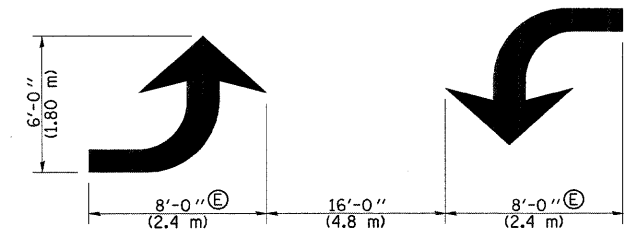
**LANE LINE EXTENSIONS**



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



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

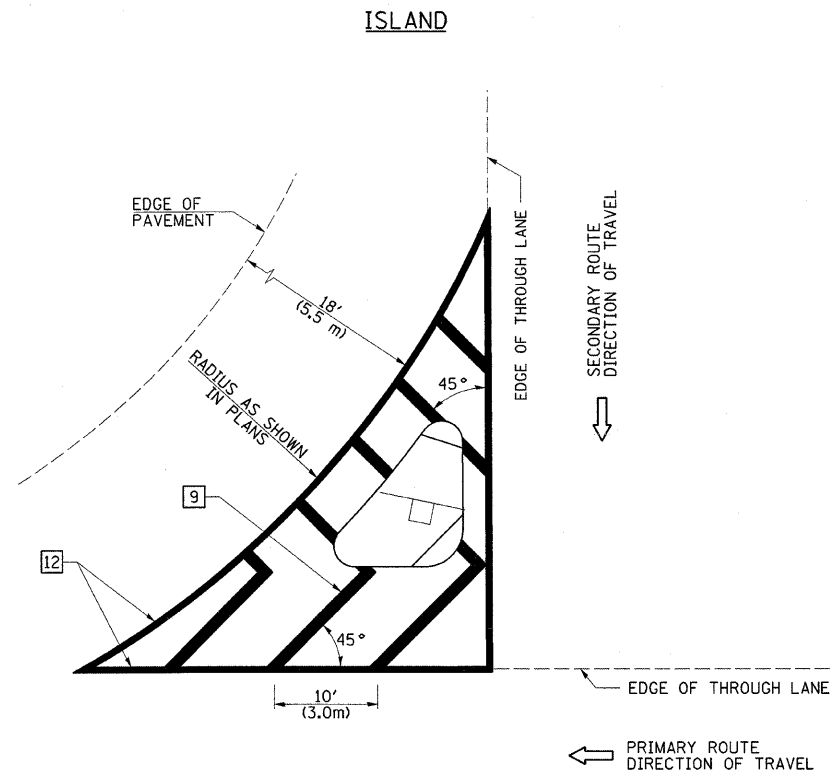


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

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

FILE NAME =	USER NAME = administrator	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.	
ca:\pw\work\p\sidot\swartzw\d0148615\077415-shtr-details.dgn	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -			752	(23-2)RS-1, (W,V)RS-2	Fayette	13	11	
PLOT DATE = 10/27/2011	DATE -	CHECKED -	REVISED -			SCALE: NA SHEET 2 OF 4 SHEETS STA. TO STA.		CONTRACT NO. 74415		ILLINOIS FED. AID PROJECT	

**DISTRICT 7 DETAIL NO. 7800001**



**GENERAL NOTES**

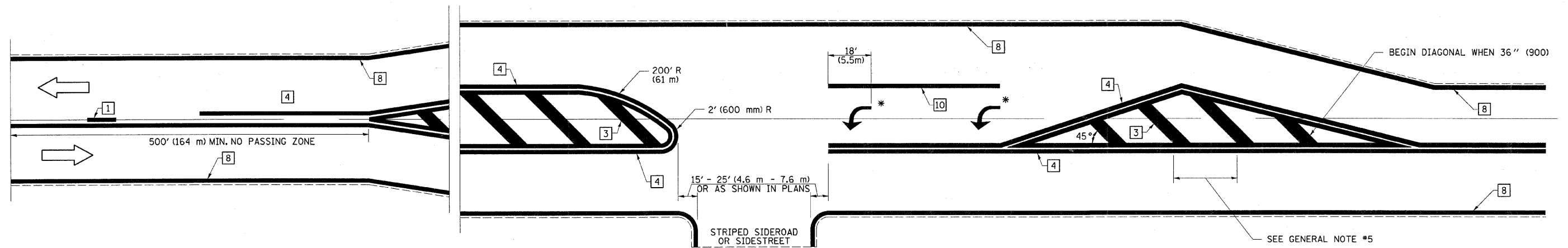
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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**

- |                                     |  |
|-------------------------------------|--|
| [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         |  |

**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 = administrator  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

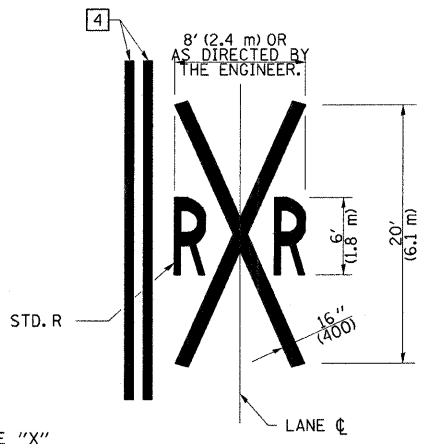
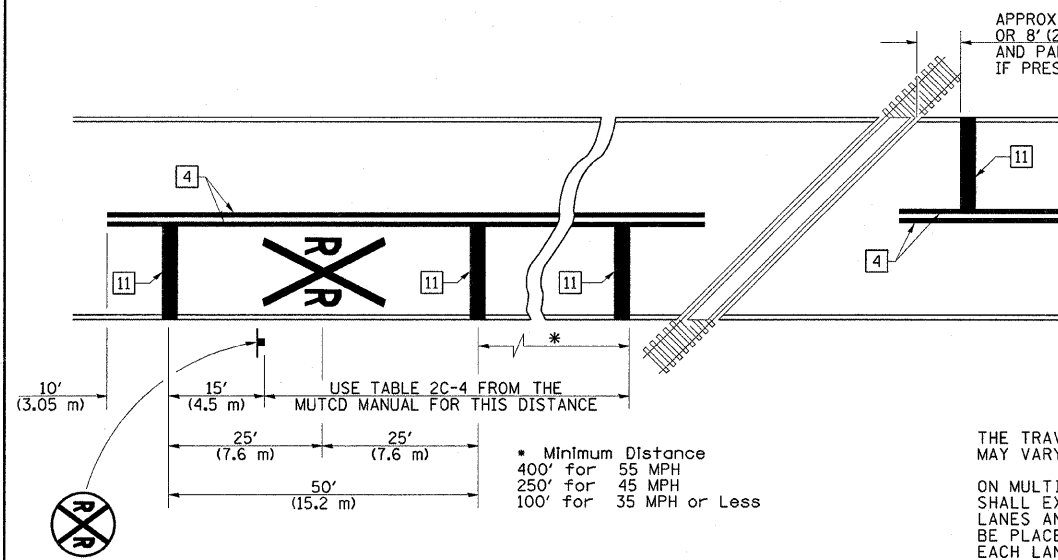
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
 (RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
752	(23-2)RS-1, (W,V)RS-2	Fayette	13	12
CONTRACT NO. 74415			ILLINOIS FED. AID PROJECT	

SCALE: NA SHEET 3 OF 4 SHEETS STA. TO STA.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

PAVEMENT MARKING LEGEND



NOTES

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

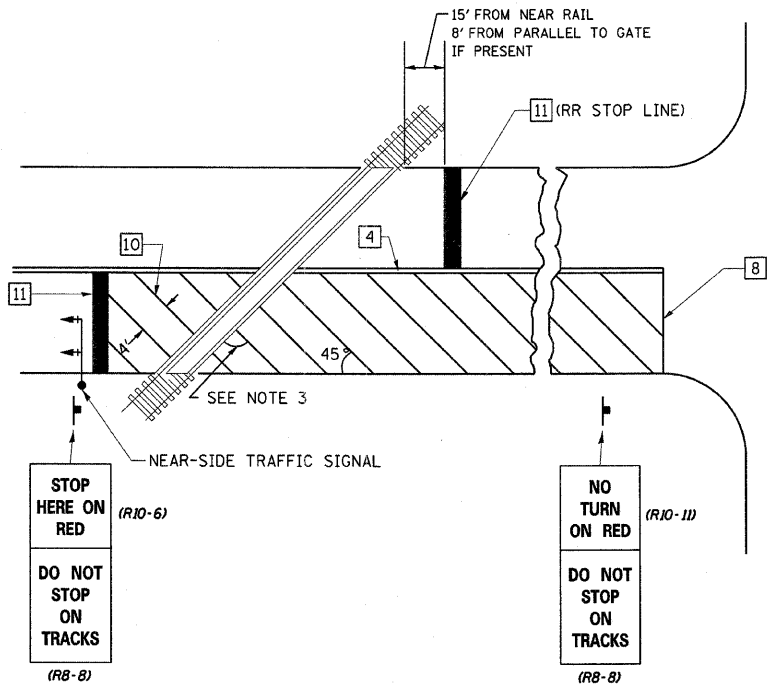
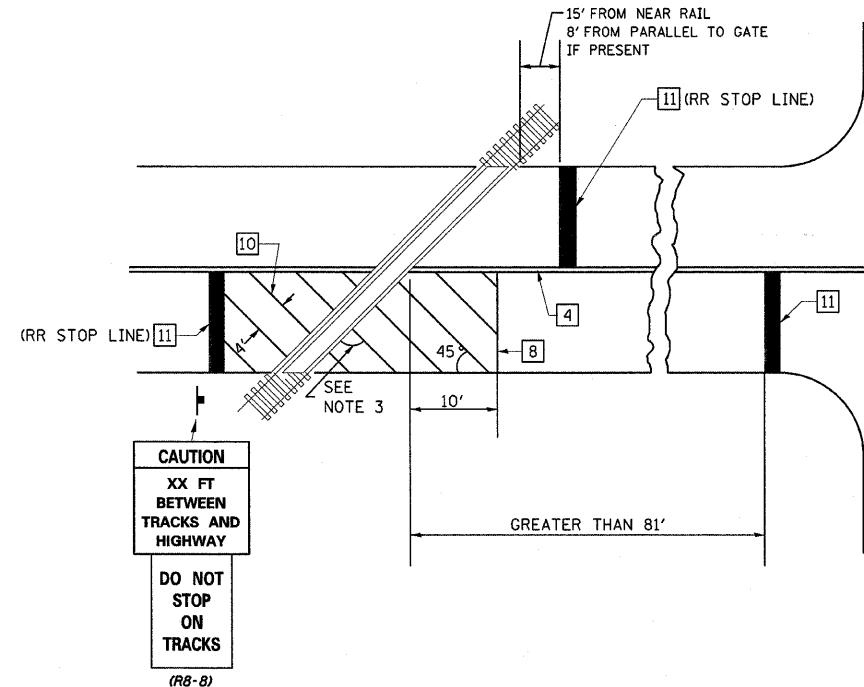
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

- 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

1. 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.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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

FILE NAME =	USER NAME = administrator	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.	
c:\pwork\pwork\swartz\148615\077415-shd-details.dgn	PLOT SCALE = 50.0000' / in.	DRAWN -	REVISED -			752	(23-2)RS-1, (W,V)RS-2	Fayette	13	13	
	PLOT DATE = 10/27/2011	CHECKED -	REVISED -			CONTRACT NO. 74415					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					