

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 326 (IL 9/47)
 SECTION (127X)RS-3

3P MILLING AND RESURFACING
 FORD COUNTY

C-93-071-14

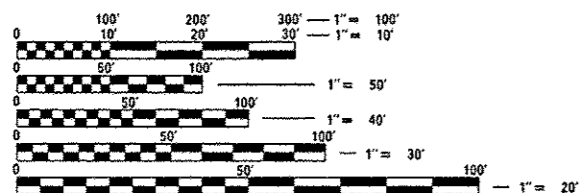
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(127X)RS-3	FORD	11	1
		ILLINOIS	CONTRACT NO. 66D62	

INDEX

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8-11	DETAILS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
687101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
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
701901-03	TRAFFIC CONTROL DEVICES
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS



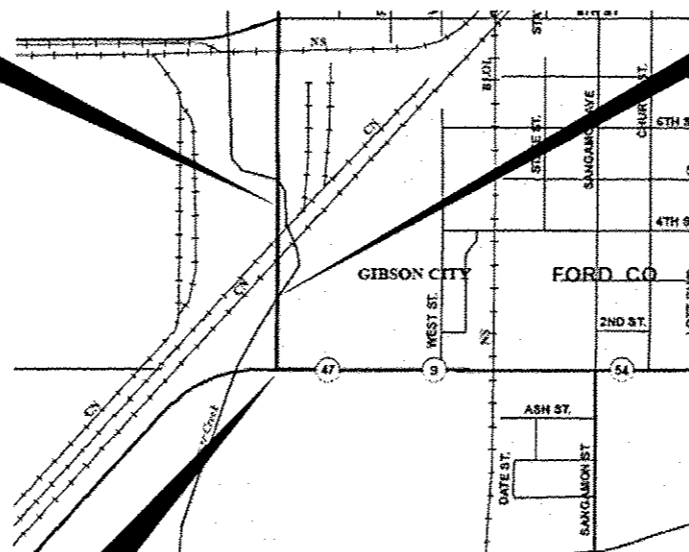
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL P.E.
 UNIT CHIEF: SCOTT A. FERGUSON
 DISTRICT 3 NO. (815) 434-6131
 CONTRACT NO. 66D62

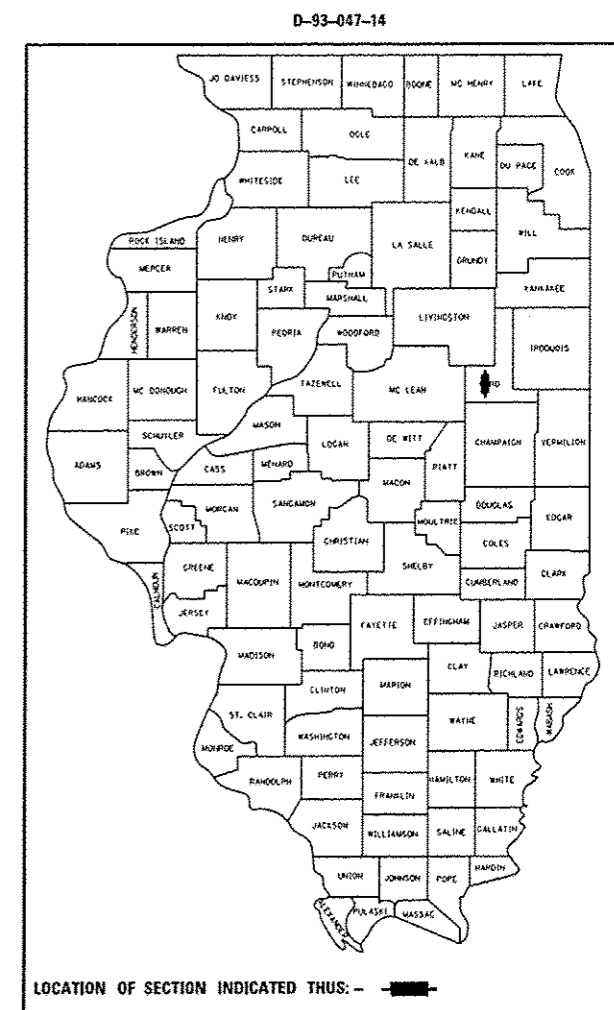
PROJECT BEGINS
 STA 2354 + 27

PROJECT ENDS
 STA 2369 + 50



GROSS LENGTH = 1523 FT. = 0.29 MILE
 NET LENGTH = 1244 FT. = 0.24 MILE

OMISSION
 SN 027-0085
 STA 2363 + 54 TO
 STA 2366 + 33



OTHER ARTERIAL
 2014 ADT = 4400
 PV = 77% SU = 12% MU = 11%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED June 16 20 14
Paul Lotta D.B.
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 27 20 14
John D. Baranelli, PE
 a.s.m. ENGINEER OF DESIGN AND ENVIRONMENT

June 27 20 14
Omer Osman, PE
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS 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 IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK WILL BE INCLUDED IN THE COST OF THE HMA SURFACE.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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

HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLOWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

COMMITMENTS: NONE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Don Beaulieu*
DISTRICT STUDIES & PLANS ENGINEER

DATE: June 6, 2014

EXAMINED BY: *[Signature]*
DISTRICT CONSTRUCTION ENGINEER

[Signature]
DISTRICT MATERIALS ENGINEER

[Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = ferguson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLT DATE = 6/7/2014	DATE -	REVISED -				ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA. TO STA.	

100% STATE

CODE NO	ITEM	UNIT	CONSTRUCTION TYPE CODE	
			TOTAL QUANTITY	RDWY 0005 RURAL
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	2	2
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	568	568
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	6768	6768
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	1	1
67100100	MOBILIZATION	LSUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	286	286
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	95	95
* 78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SO FT	236	236
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	8967	8967
* 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	138	138
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	550	550
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	100	100

*Specialty Items

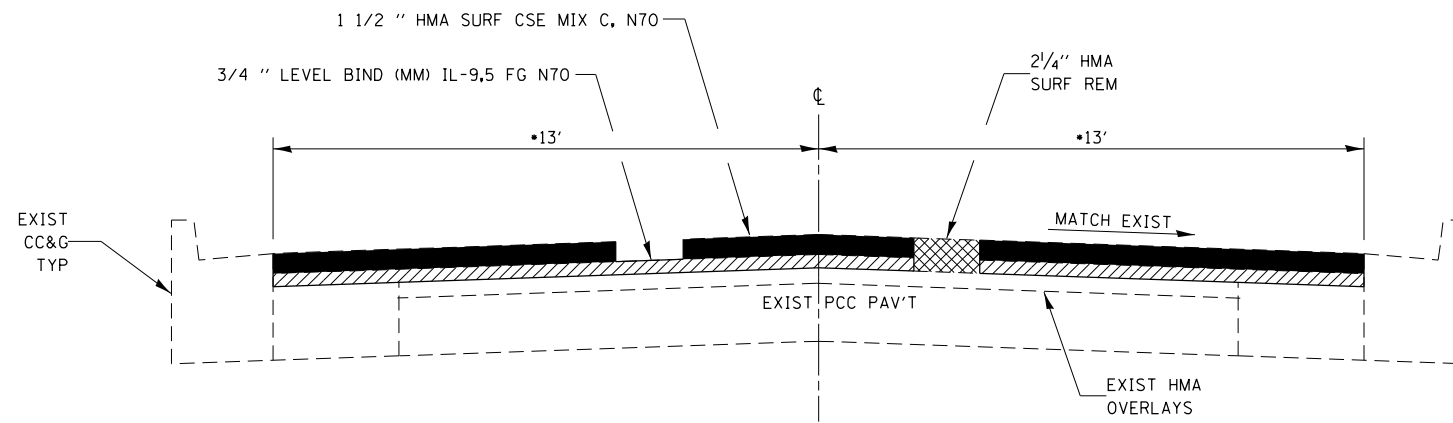
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	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -						326	1127XRS-3	FORD	11	3
PLOT DATE = 5/7/2014	DATE -	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 66062			

100% STATE

CODE NO	ITEM	UNIT	CONSTRUCTION TYPE CODE	
			TOTAL QUANTITY	RDWY 0005 RURAL
* 78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	158	158
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	54	54
78200300	PRISMATIC CURB REFLECTOR	EACH	18	18
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	54	54
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3558	3558
40600537	LEVELING BINDER (HAND METHOD), IL-9.5FG, N70	TON	3	3
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	265	265
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

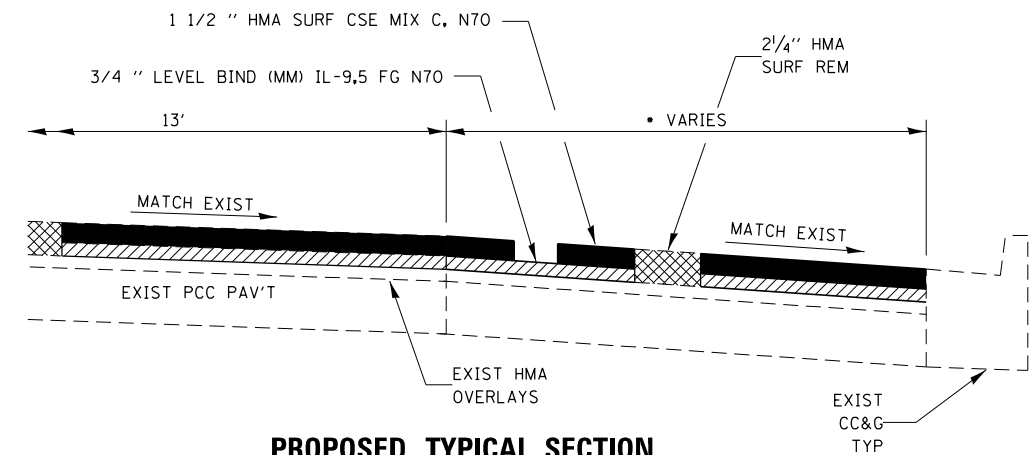
* Specialty Items

FILE NAME =	USER NAME = ferguson	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 8/7/2014	DATE -	REVISED -	CONTRACT NO. 66062								



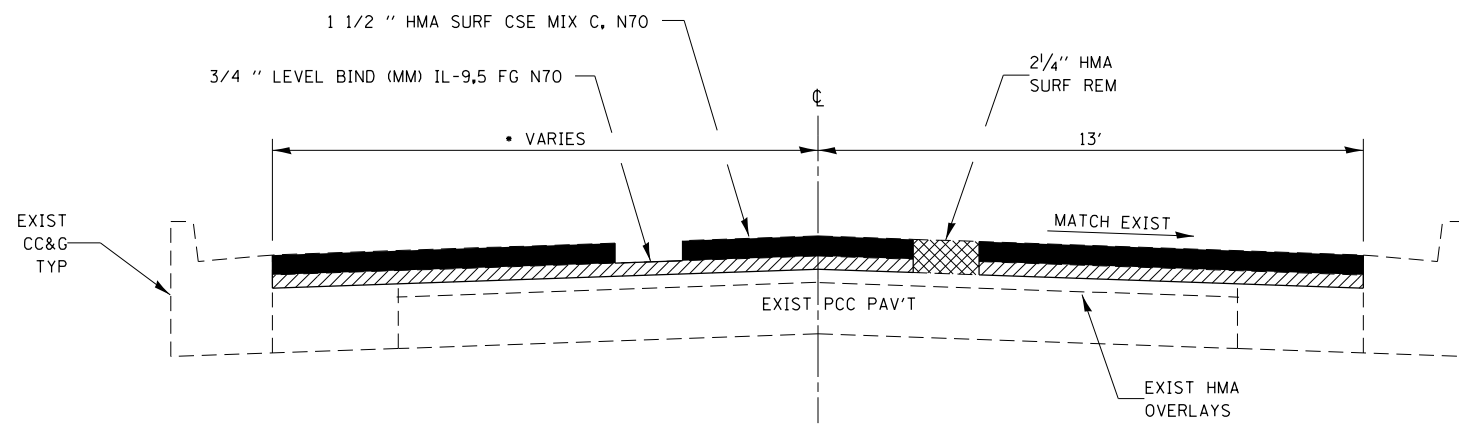
**PROPOSED TYPICAL SECTION
IL RTE 9 & 47**

STA 25+84 S. OF SN 027-0084 BRIDGE APPROACH - STA 11+35
(SEE PAYMENT MARKING DETAIL FOR MILLING AND RESURFACING LIMITS AT INTERSECTION)



**PROPOSED TYPICAL SECTION
RIGHT TURN LANE**

STA 598+63 TO STA 600+00 - • 12'
STA 600+00 TO STA 602+00 - • 12' - 0'



**PROPOSED TYPICAL SECTION
IL RTE 9 & 47 & 54**

STA 595+79.91 TO STA 600+00 - • 20'
STA 600+00 TO STA 601+90 - • 20' TO 13'
STA 601+90 TO STA 602+00 - • 13'

	HMA LEVEL BINDER	HMA SURFACE
PG Grade	PG 64-22	PG 64-22
Design Air Voids	4.0% @ N 70	4.0% @ N 70
Mixture Composition	IL 9.5 FG	IL 9.5
Friction Aggregate		Mixture C
Density Control Method	Cores	Cores

MAINLINE SCHEDULE									
LOCATION	DESCRIPTION	LENGTH	AREA	HMA REMOVAL	HMA SURFACE CSE	LEVEL BINDER (MM)	LEVEL BINDER	MIX FOR CRACKS, JOINTS & FLGWYS	PRIME COAT
		FT	SQ YD	2 1/4" SQ YD	MIX "C" N70 TON	N50 TON	(HM) N50 TON	TON	POUND
IL-9/IL-47									
STA 25+84 TO STA 20+33	BEGIN PROJECT S BRIDGE APPROACH 027-0084	551	1592.9	1593	134	67	0.80	0.48	1075
STA 20+33 TO STA 18+75	RAILROAD	158	456.4	456	38				308
STA 18+75 TO STA 17+17		158	456.4	456	38	19	0.23	0.14	308
STA 17+17 TO STA 14+52	BRIDGE OMISSION SN 027-0085	265							
STA 14+52 TO STA 11+35	INTERSECTION WITH IL-54	317	915.8	916	77	38	0.46	0.27	618
IL 54									
STA 595+60 TO 602+00	E END OF BRIDGE APPROACH	640	3346	3346	281	141	1.67	1.00	1248
STA 10+00 TO STA 11+35	(SEE PVMT MK DETAIL FOR MILLING LIMITS)								
TOTAL				6768	568	265	3	2	3558

PAVEMENT MARKING SCHEDULE															
LOCATION	LENGTH	POLYUREA PAVEMENT MARKING								RRPM REMOVAL	RRPM WHITE	RRPM AMBER	PRISMATIC CURB REFL	SHORT TERM PVT MK	WORK ZONE PVT MK REMOVAL
		4" YELLOW	4" WHITE	6" YELLOW	8" WHITE	12" WHITE	12" YELLOW	24" WHITE	LETTERS & SYMBOLS						
	FT	FT	FT	FT	FT	FT	FT	FT	SO FT	EACH	EACH	EACH	EACH	FT	SO FT
IL-9/IL-47															
STA 25+84 TO STA 20+33	551.4	310	1102.8	137.85					39	61.2	7	7		55	18
STA 20+33 TO STA 18+75	158								39	61.2	2	2		16	5
STA 18+75 TO STA 17+17	158	316	316												
STA 17+17 TO STA 14+52	265	530	530												
STA 14+52 TO STA 11+35	317	634	1268						4		4			32	11
IL 54															
STA 595+60 TO 602+00	640	2560	1400		550	100	136	80	113.6	41	6	35	18	183	61
STA 10+00 TO STA 11+35															
TOTAL		4350	4617	138	550	100	136	158	236	54	6	48	18	286	95

SECTION CORNERS					
GPS POINTS NUMBER OR INDEX NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
09202	NW COR SEC 14-23-7E OF THE 3RD PM	BRASS DISK	TYPE 1	YES	1
09201	UNKNOWN BRASS DISK / UNKNOWN ORIGIN NOT TO BE RE-SET PER BOB SULLIVAN 03-27-14	BRASS DISK	NONE	NO	2

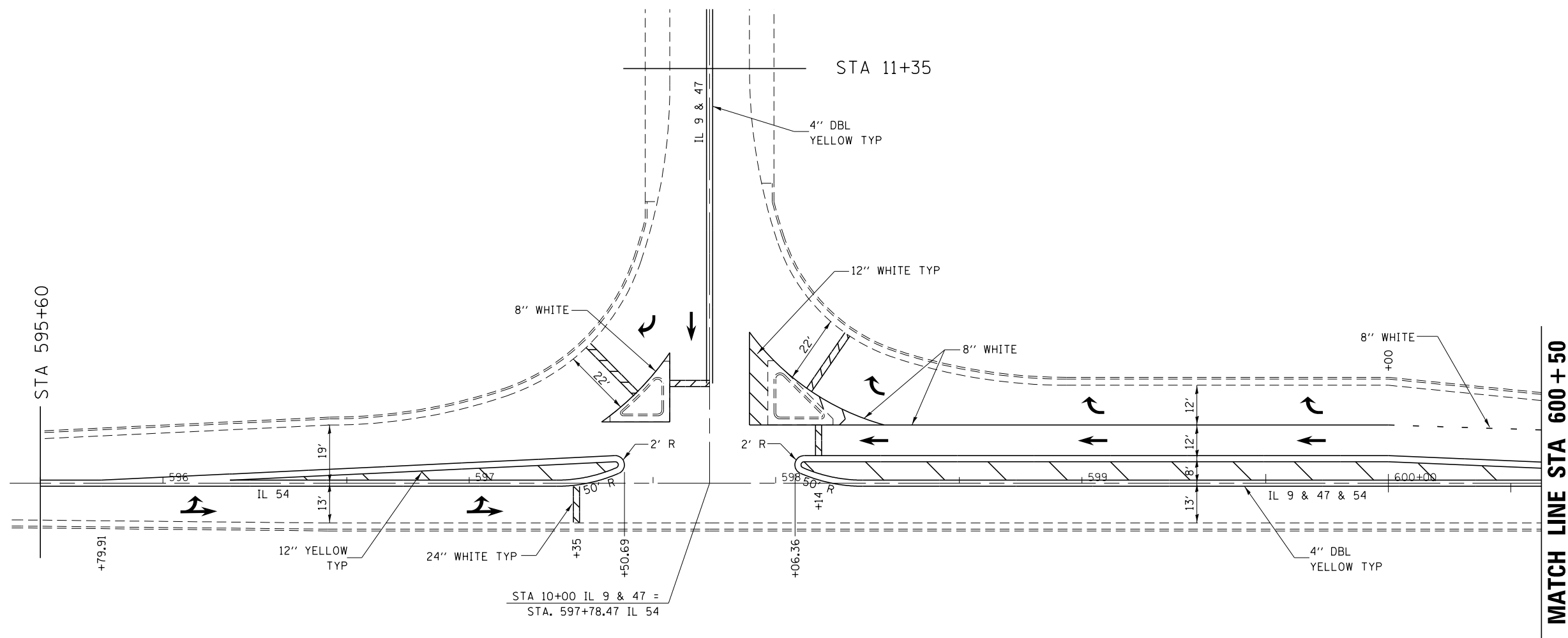
LISTED MONUMENT LOCATIONS HAVE BEEN RECORDED BY GPS. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED.
IF AN UNLISTED MONUMENT IS FOUND, IT MUST BE TIED BY THE R.E. AND BROUGHT TO THE ATTENTION OF THE PLATS AND PLANS MANAGER.
AFTER RESURFACING, THE R.E. IS TO CONTACT THE PLATS AND PLANS MANAGER TO ESTABLISH LOCATIONS FOR PERMANENT SURVEY MARKER CORING.

RESPONSIBILITY:

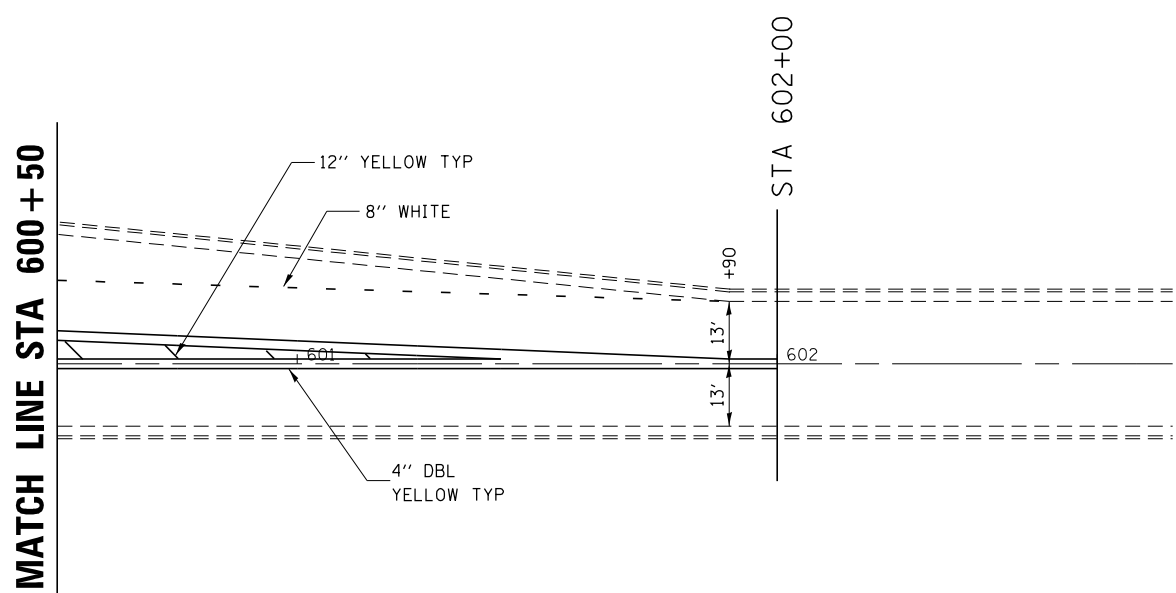
- 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)
- 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

* INTERMITTENT SPRING ROAD REPAIR 2014-7

FILE NAME =	USER NAME = fergusonse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULES OF QUANTITIES				F.A.P. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 6/7/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



STA 10+00 IL 9 & 47 =
STA. 597+78.47 IL 54



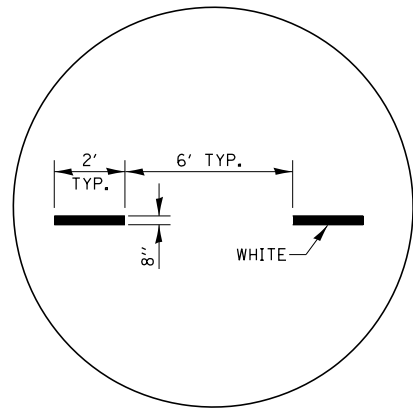
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

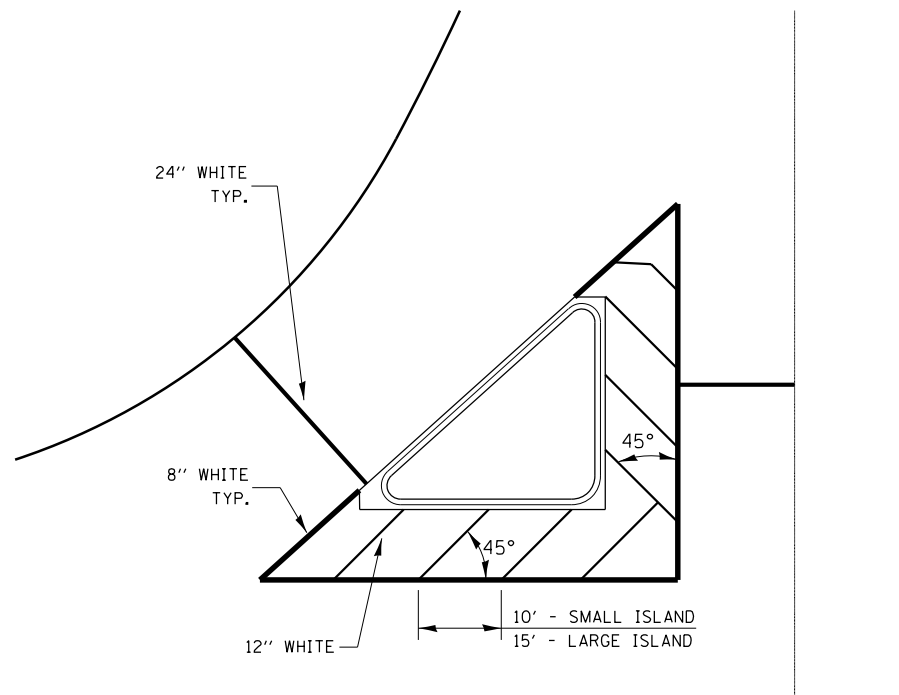
PAVEMENT MARKING DETAILS

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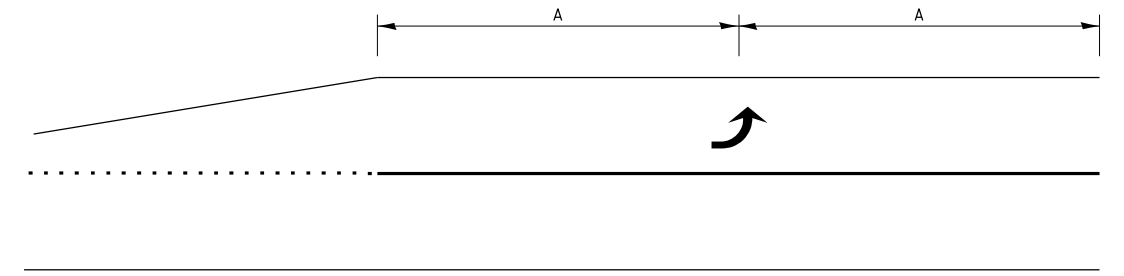
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326	(127)RS-3	FORD	11	7
CONTRACT NO. 66D62			ILLINOIS FED. AID PROJECT	



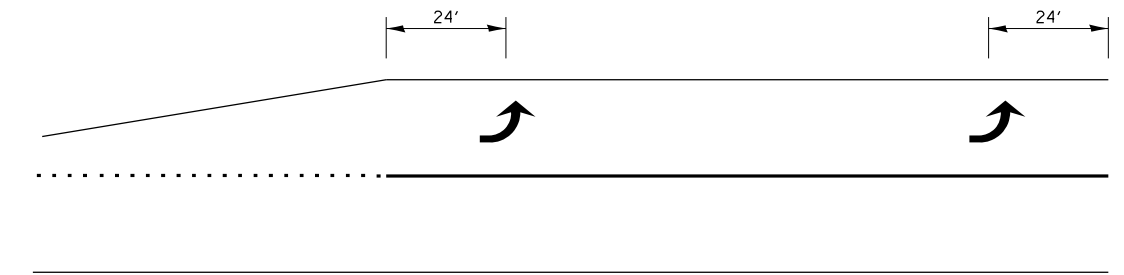
**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**



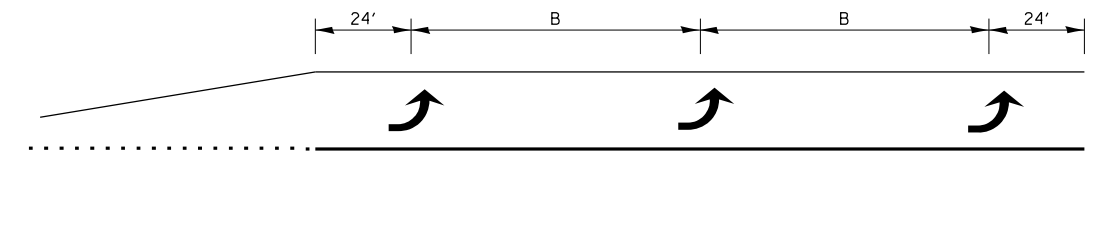
TYPICAL ISLAND



99' AND UNDER



100' TO 149'



150' AND LONGER

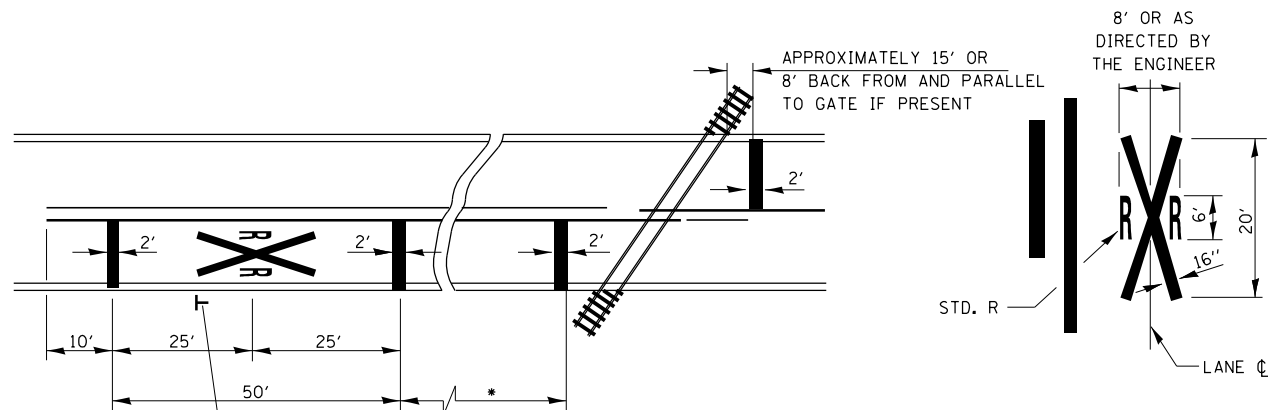
**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

FILE NAME =	USER NAME = fergusonse	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

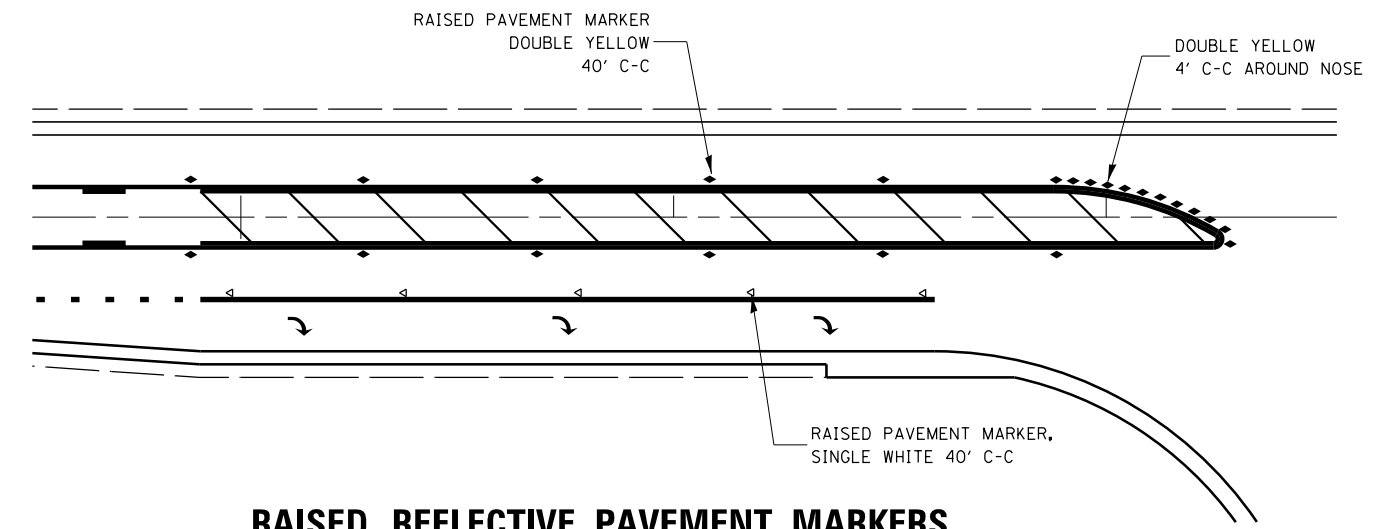
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326	(127)RS-3	FORD	11	8
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66D62	



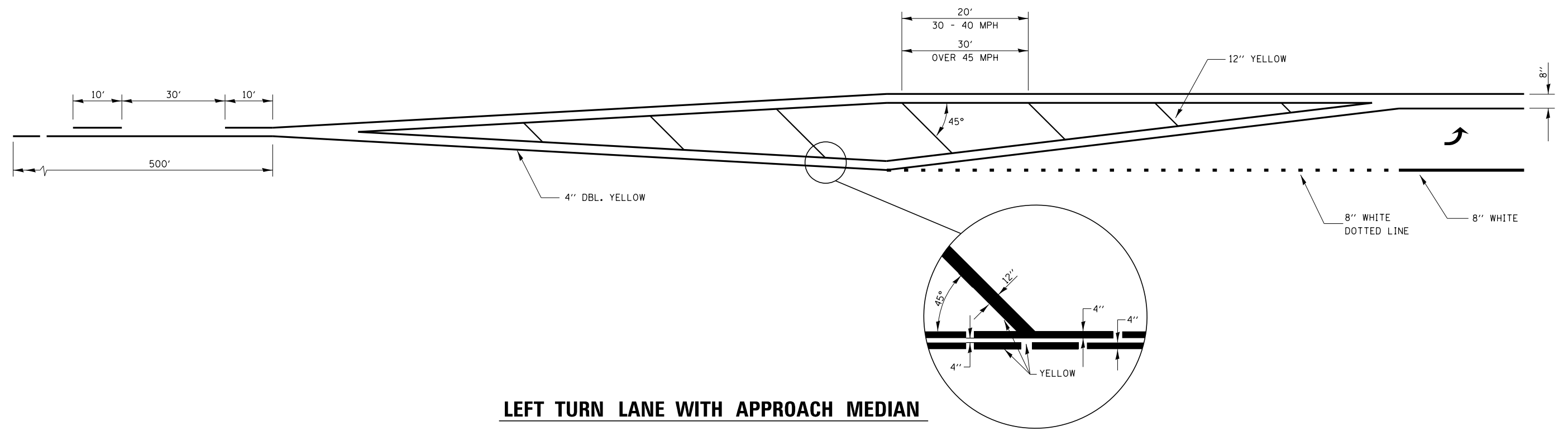
* MINIMUM DISTANCE
 400' FOR 55 MPH
 250' FOR 45 MPH
 100' FOR 35 MPH OR LESS

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

NOTES:
 THE TRANSVERSE 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).

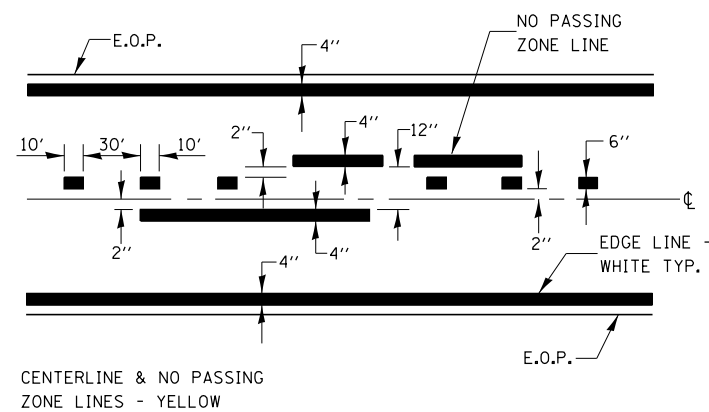


**RAISED REFLECTIVE PAVEMENT MARKERS
 RIGHT TURN LANE**

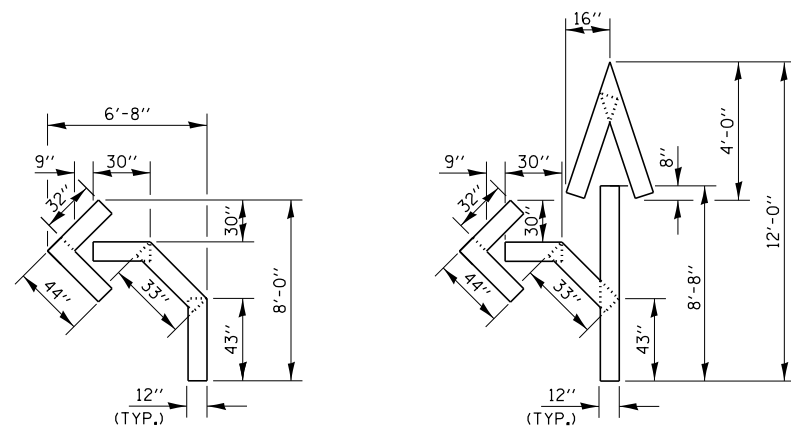


LEFT TURN LANE WITH APPROACH MEDIAN

FILE NAME =	USER NAME = fergusonse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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		CHECKED -	REVISED -												
		DATE -	REVISED -												
	PLOT SCALE = 100.0000' / 1in.														
	PLOT DATE = 6/7/2014														
											CONTRACT NO. 66D62				
											ILLINOIS FED. AID PROJECT				

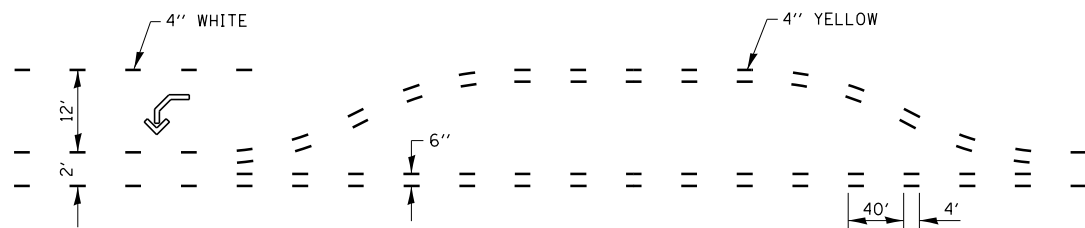


PAVEMENT MARKING



QUANTITY
 12" LINE = 16 LIN. FT.
 OR 4" LINE = 48 LIN. FT.

QUANTITY
 12" LINE = 29 LIN. FT.
 OR 4" LINE = 87 LIN. FT.



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

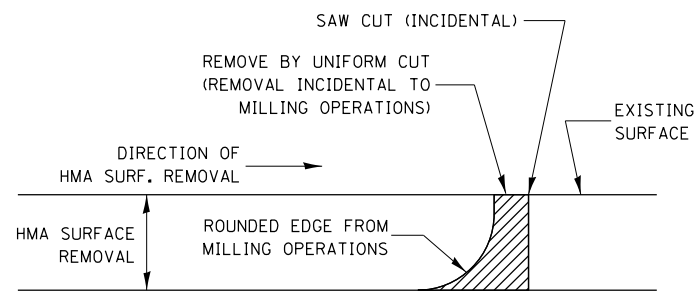
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 6/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DETAILS

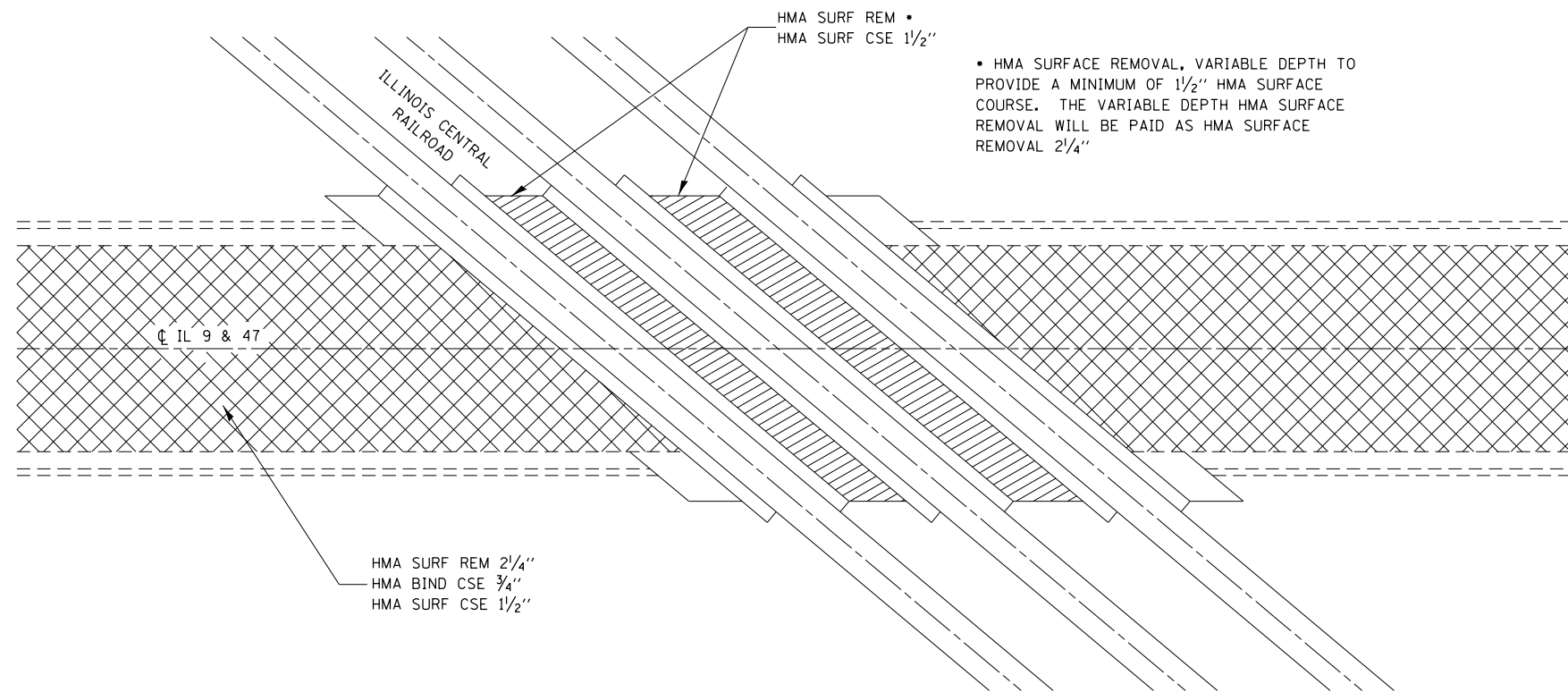
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(127)RS-3	FORD	11	10
CONTRACT NO. 66D62			ILLINOIS FED. AID PROJECT	



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HMA DETAIL AT BUTT JOINTS



MILLING & RESURFACING DETAIL

AT THE IL 9 & 47 - ILLINOIS
 CENTRAL RAILROAD GRADE
 CROSSING DOT/AAR NO. 289 366 P

FILE NAME =	USER NAME = fergusonse	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\idot\fergusonse\d0387933\0xxxxx-sht-cover.dgn		DRAWN -	REVISED -		326	(127)RS-3	FORD	11	11			
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -		CONTRACT NO. 66D62							
PLOT DATE = 6/7/2014		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		