

INDEX OF SHEETS

1. COVER SHEET
2. GENERAL NOTES
3. SUMMARY OF QUANTITIES
- 4-5. TYPICAL SECTIONS
6. SCHEDULES
7. CLASS A PATCHING DETAILS
8. TYPICAL PAVEMENT MARKINGS

STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420701-02 PAVEMENT FABRIC
- 421001-02 BAR REINFORCEMENT FOR CRC PAVEMENT
- 701006-03 OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-02 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701336-06 LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS ≥ 45 MPH
- 701421-04 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701426-04 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
- 701901-02 TRAFFIC CONTROL DEVICES

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 317 (US24/52)  
SECTION D3 PAVEMENT PATCHING 2013-6

CLASS A PAVEMENT PATCHING  
US ROUTE 52 TO INDIANA STATE LINE  
IROQUOIS COUNTY

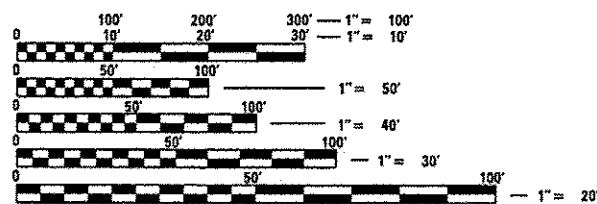
C-93-134-12

BEGIN PROJECT

US ROUTE 52 (NORTH)  
STA. 2929 + 34

END PROJECT

INDIANA STATE LINE  
STA. 3042 + 83

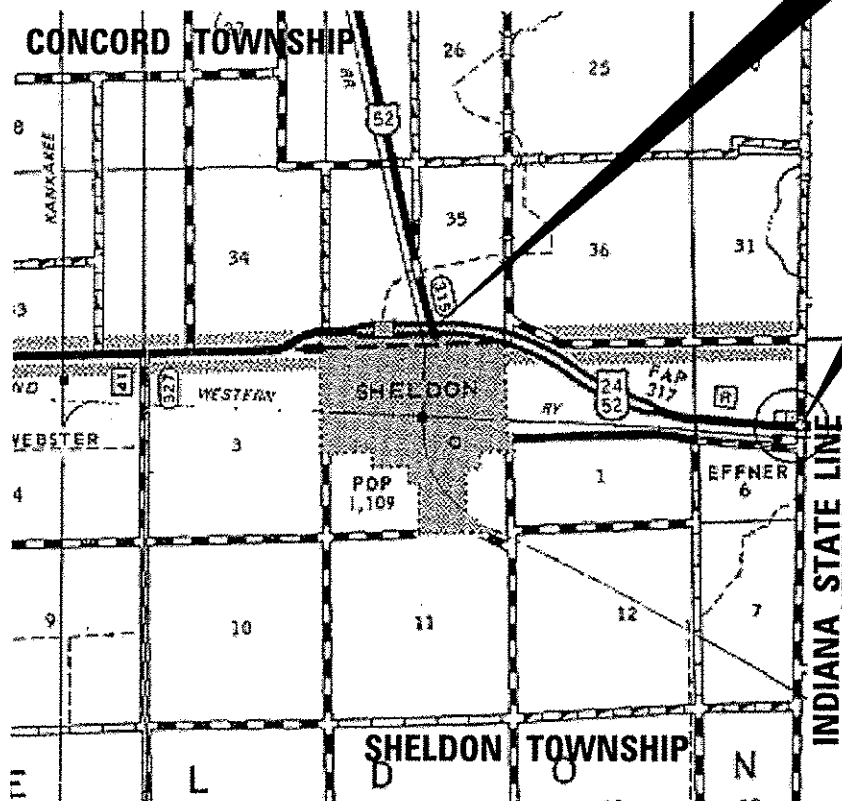


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

DISTRICT NO. (815)-434-6131  
PROJECT ENGINEER JOE KANNEL P.E.  
UNIT CHIEF RON WOODSHANK  
TOWNSHIPS CONCORD, SHELDON

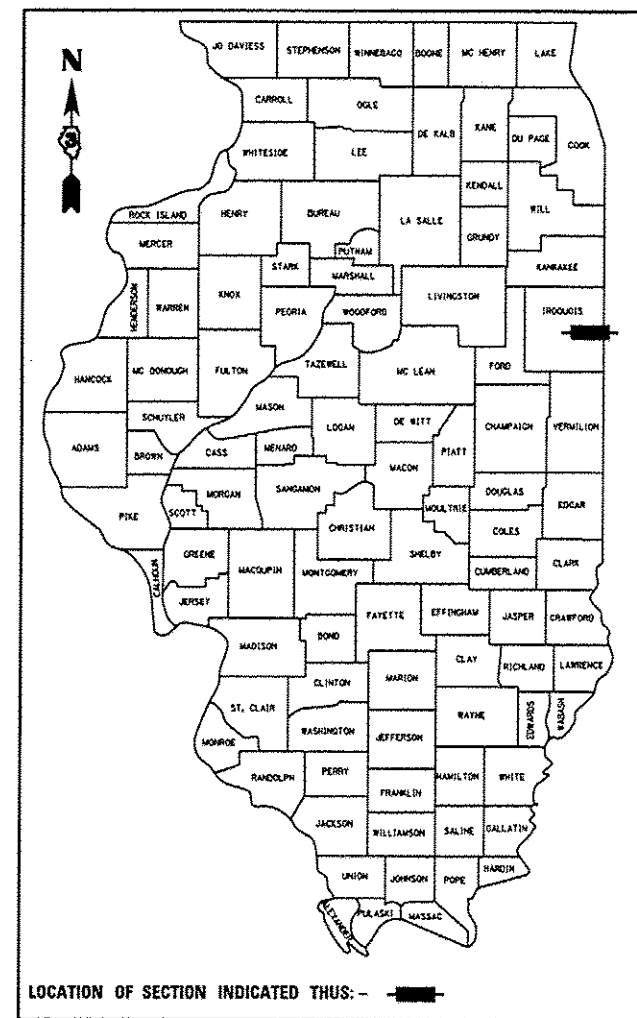
CONTRACT NO. 66C37



GROSS LENGTH = 11,349 FT. = 2.15 MILE  
NET LENGTH = 11,349 FT. = 2.15 MILE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	D3 PAVEMENT PATCHING 2013-6	IROQUOIS	8	1
		ILLINOIS	CONTRACT NO. 66C37	

D-93-002-12



LOCATION OF SECTION INDICATED THUS: —

RURAL	
OTHER PRINCIPAL ARTERIAL	
FAP 317 (US 24/52)	
2011	
ADT	4800
P.V.	84.37%
S.U.	5.21%
M.U.	10.42%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 7-9 20 12  
Eric S. Therkelsen  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 17, 2012  
John D. Baranzelli, P.E.  
ENGINEER OF DESIGN AND ENVIRONMENT

August 17, 2012  
William R. Freyer  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE ON WHICH THE HMA IS PLACED.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW 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.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Tom Bronil  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 7-9-12

EXAMINED BY: [Signature]  
DISTRICT CONSTRUCTION ENGINEER

Wayne L. Phillips  
DISTRICT MATERIALS ENGINEER

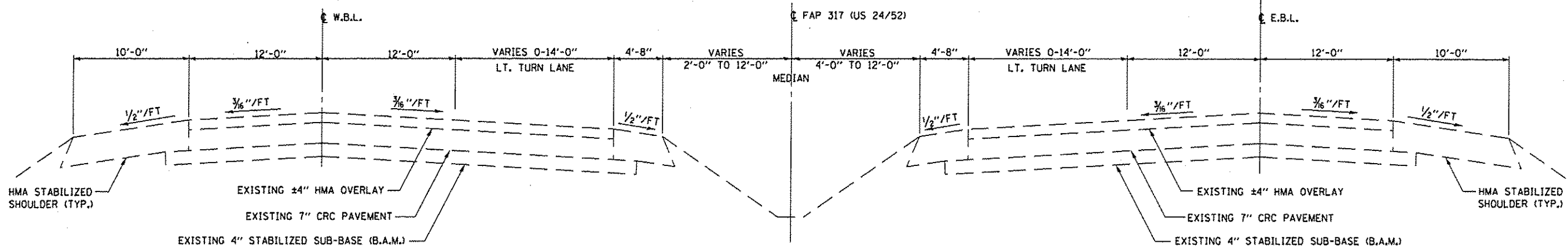
[Signature]  
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME *	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
or\pwork\pwork\woodshankr1\08308589\0366C37-deta1.dgn		DRAWN - RW	REVISED -			317	D3 PAVEMENT PATCHING 2013-6	IROOOUIS	8	2	
PLOT SCALE * 1/8" = 1' / 1/2"		CHECKED -	REVISED -			CONTRACT NO. 66C37					
PLOT DATE * 7/9/2012		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.				

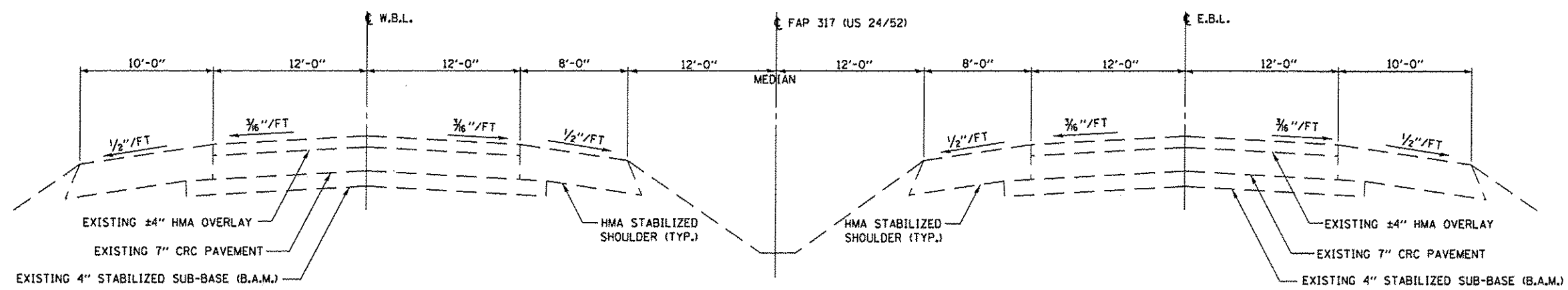
CONSTR. CODE  
 STATE FUNDS  
 100% STATE  
 ROADWAY  
 0005  
 RURAL

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
44200565	CLASS A PATCHES, TYPE II, 11 INCH	SQ YD	209	209
44213000	PATCHING REINFORCEMENT	SQ YD	209	209
44213100	PAVEMENT FABRIC	SQ YD	209	209
44213200	SAW CUTS	FOOT	1668	1668
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	174	174
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	200	200

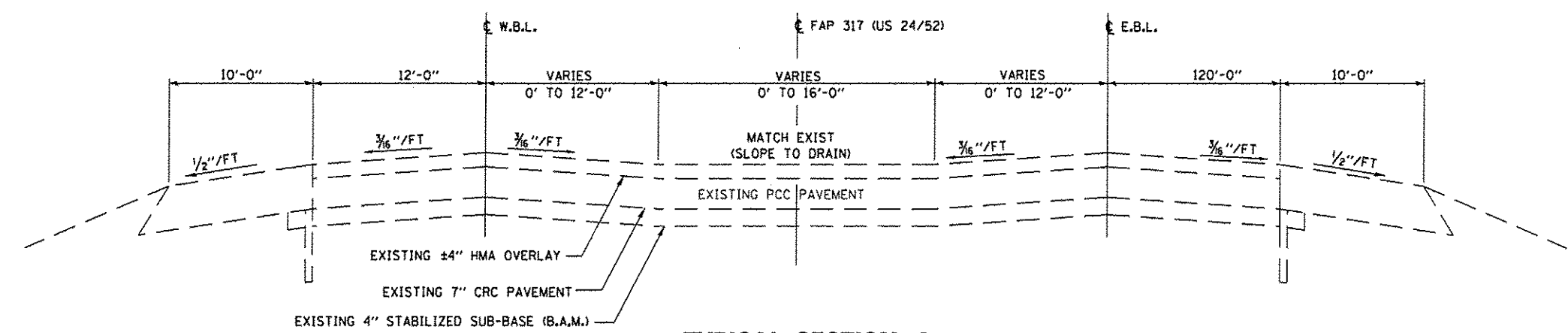
8  
 \* SPECIALITY ITEMS



**TYPICAL SECTION 1**  
**STA. 2929 + 35 TO STA. 2937 + 65**  
**STA. 2962 + 45 TO STA. 2968 + 04**

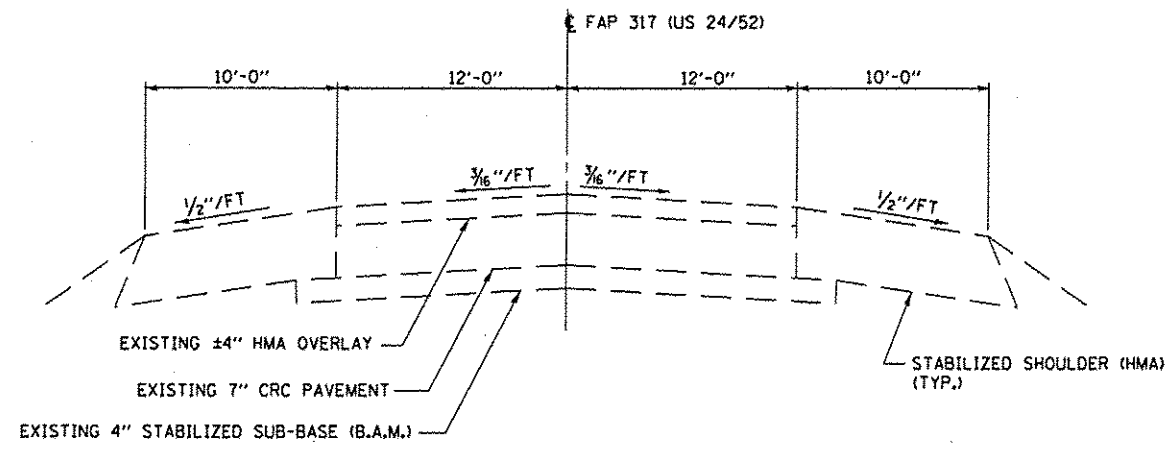


**TYPICAL SECTION 2**  
**STA. 2937 + 65 TO STA. 2962 + 45**  
**STA. 2968 + 04 TO STA. 2990 + 80**

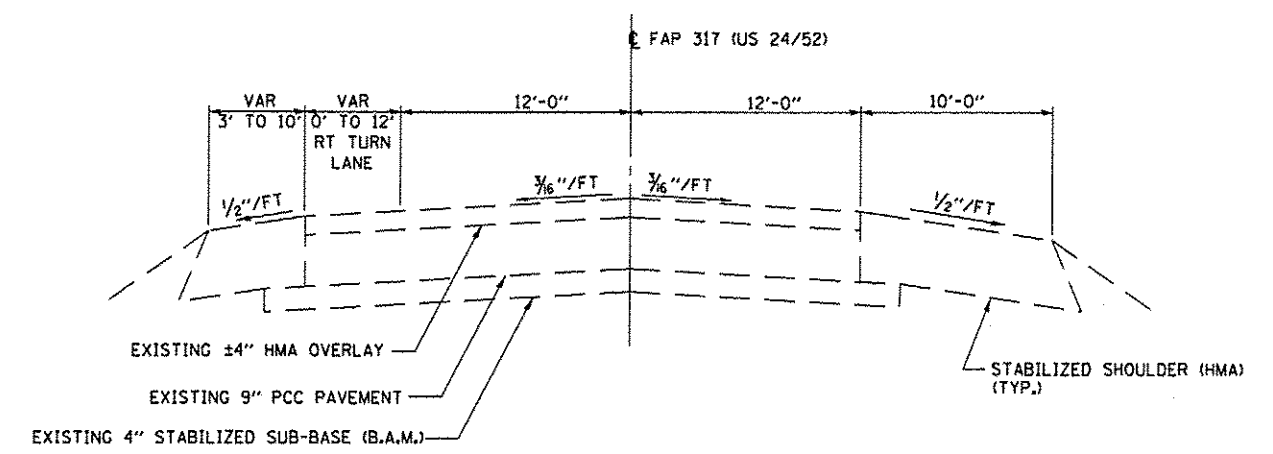


**TYPICAL SECTION 3**  
**STA. 2990 + 80 TO STA. 3005 + 12**

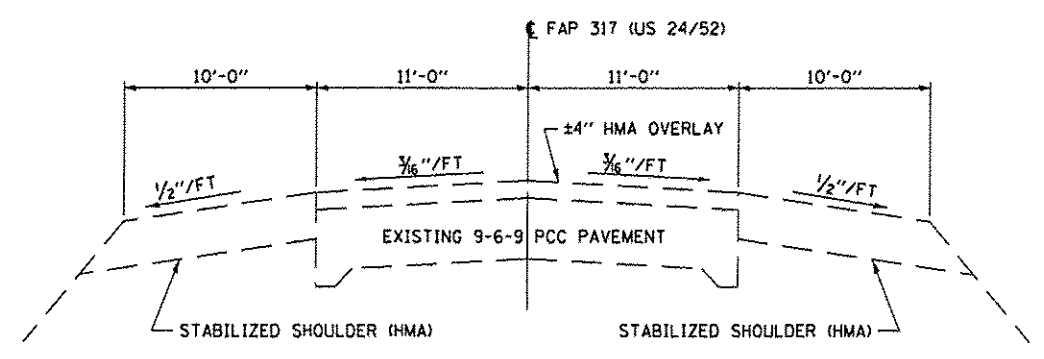
FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	<b>TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pedit\woodshankr1\d0300509\366C37-detail.dgn	DRAWN - RW	REVISED -	317			D3 PAVEMENT PATCHING 2013-6	IROQUOIS	8	4	
PLOT SCALE = 100 @ 1" = 100'	CHECKED -	REVISED -	CONTRACT NO. 66C37							
PLOT DATE = 7/9/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET 1 OF 3 SHEETS	STA.	TO STA.			



**TYPICAL SECTION 4**  
**STA 3005+12 TO STA 3017+80**



**TYPICAL SECTION 5**  
**STA 3017+80 TO STA. 3037+42**



**TYPICAL SECTION 6**  
**STA 3037+42 - STA 3042+83**

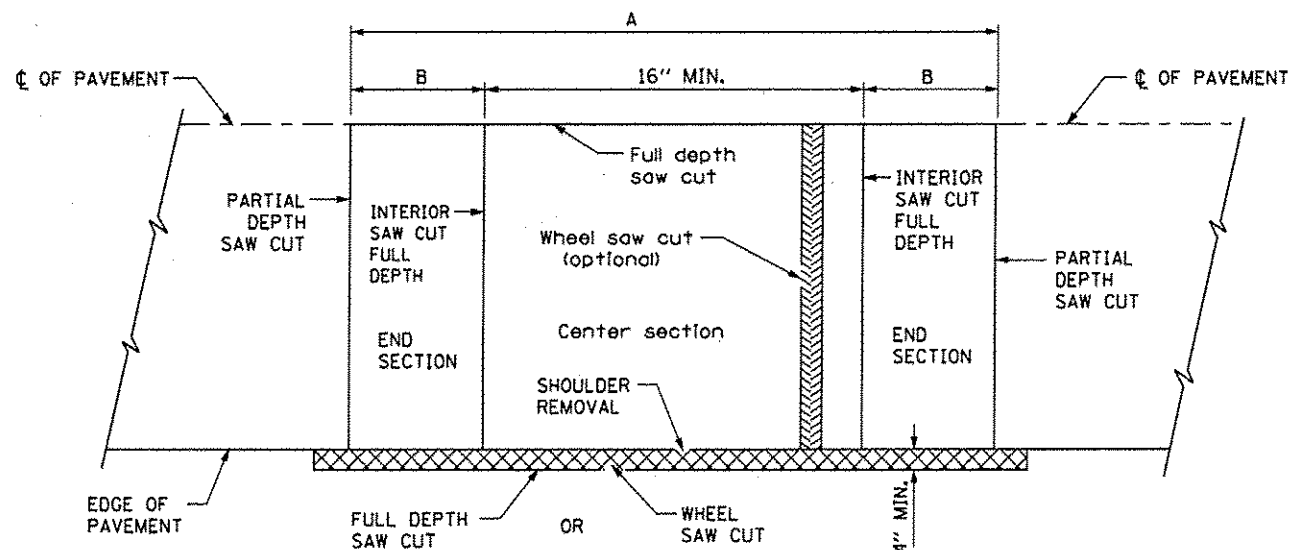
FILE NAME =	USER NAME = woodhenkrl	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ai\pwwork\pwwork\woodhenkrl\d0308589\366C37-details.dgn	DRAWN - RW	REVISED -	317			D3 PAVEMENT PATCHING 2013-6	IROQUOIS	8	5	
PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -	CONTRACT NO. 66C37							
PLOT DATE = 7/9/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET 2 OF 3 SHEETS	STA.	TO STA.			

PATCHING SCHEDULE - EASTBOUND LANES								
LOCATION	CLASS A	PATCH	PVMT	SAW	CLASS A	PATCH	PVMT	SAW
	PATCH	REINF.	FABRIC	CUTS	PATCH	REINF.	FABRIC	CUTS
	TYPE II				TYPE II			
STATION	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	SQ YD	SQ YD	FOOT
2944+18	8	8	8	60				
2960+72					8	8	8	60
2962+52					8	8	8	60
2967+10	11	11	11	64				
2967+36					8	8	8	60
2980+34	11	11	11	64				
2990+10					8	8	8	60
2992+90	8	8	8	60	8	8	8	60
3014+88	8	8	8	60	8	8	8	60
3019+10	8	8	8	60				0
3027+02	8	8	8	60				0
3034+41	13	13	13	68				0
TOTALS	75	75	75	496	48	48	48	360

PAVEMENT MARKING SCHEDULE - EBL			
LOCATION	PAINT PAVEMENT MARKING LINE 4"		PAINT PAVEMENT MARKING LINE 6"
	FEET		FEET
	YELLOW	WHITE	WHITE
STATION			
2944+18		6	10
2960+72	6		10
2962+52	6		10
2967+10		8	10
2967+36	6		10
2980+34		8	10
2990+10	6		10
2992+90	6	6	10
3014+88	6	6	10
3019+10		6	10
3027+02		6	10
3034+41		10	10
SUBTOTAL	36	56	
TOTAL		92	120

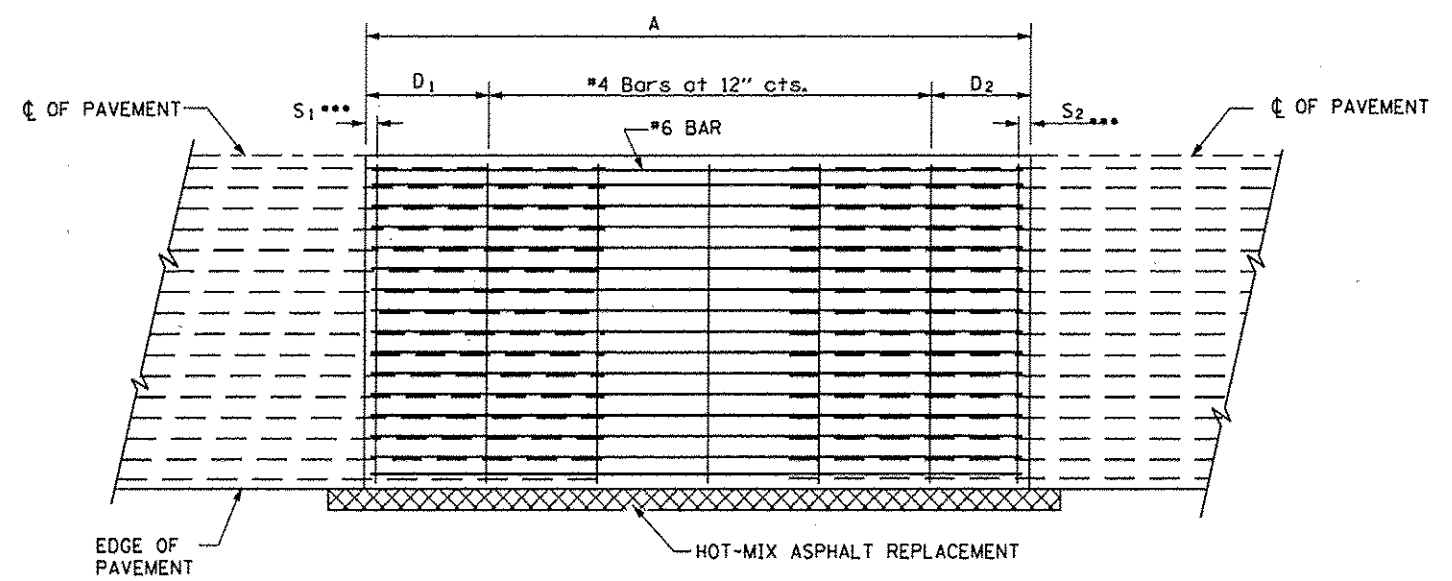
PATCHING SCHEDULE - WESTBOUND LANES								
LOCATION	CLASS A	PATCH	PVMT	SAW	CLASS A	PATCH	PVMT	SAW
	PATCH	REINF.	FABRIC	CUTS	PATCH	REINF.	FABRIC	CUTS
	TYPE II				TYPE II			
STATION	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	SQ YD	SQ YD	FOOT
2928+84	8	8	8	60	8	8	8	60
2934+12	8	8	8	60	0	0	0	0
2947+56	13	13	13	68	13	13	13	68
2965+24	11	11	11	64	11	11	11	64
2970+00	13	13	13	68				
2987+98	8	8	8	60	0	0	0	0
2990+61	8	8	8	60	8	8	8	60
3018+04	8	8	8	60				
3027+02	8	8	8	60				
TOTALS	46	46	46	560	40	40	40	252

PAVEMENT MARKING SCHEDULE - WBL			
LOCATION	PAINT PAVEMENT MARKING LINE 4"		PAINT PAVEMENT MARKING LINE 6"
	FEET		FEET
	YELLOW	WHITE	WHITE
STATION			
2934+12		6	10
2947+56	10	10	10
2965+24	8	8	10
2970+00		10	10
2987+98		6	10
2990+61	6	6	10
3018+04		6	10
3027+02		6	10
SUBTOTAL	24	58	
TOTAL		82	80

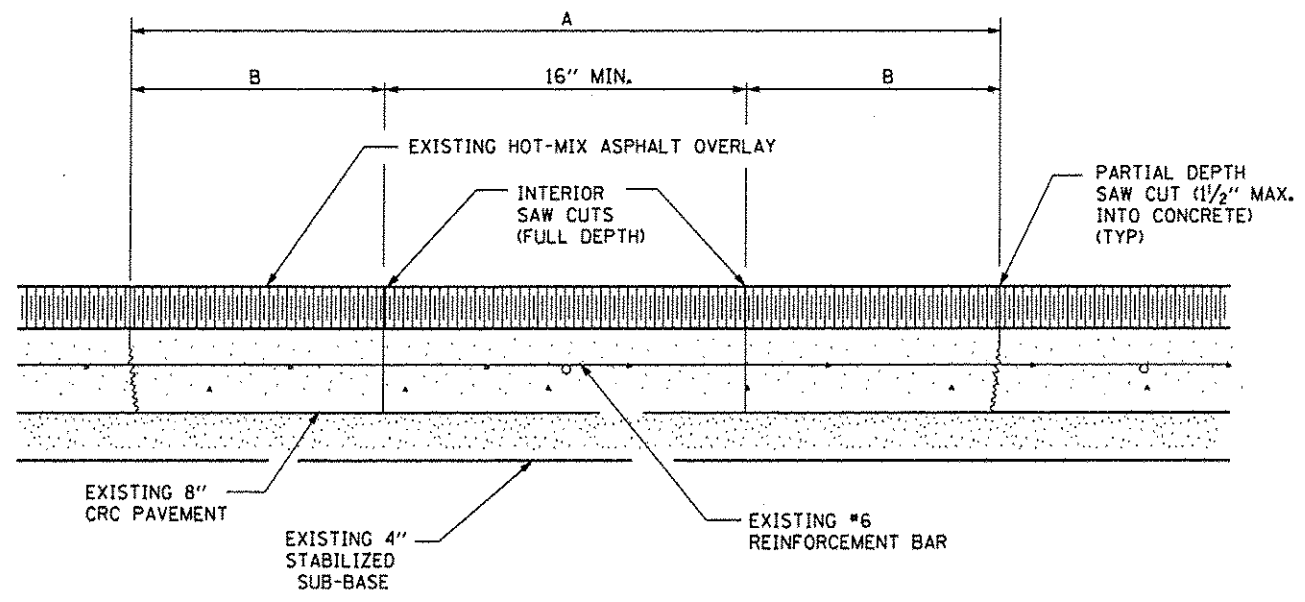


**EXISTING PAVEMENT SAWING DETAIL**  
(AGAINST BITUMINOUS SHOULDER)

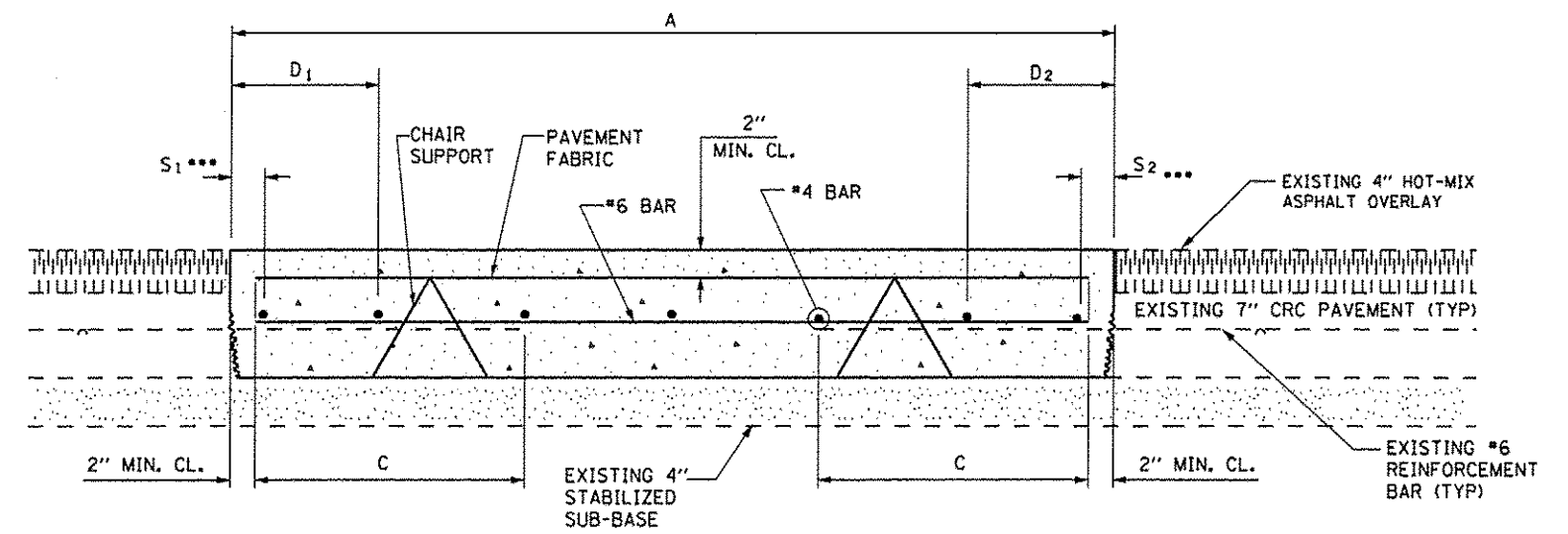
EXISTING LONGITUDINAL REINFORCEMENT BARS	A (min.)	B (min.)	C (min.)
No. 6	6'-0"	24"	19"



**PROPOSED PAVEMENT DETAIL**  
(AGAINST BITUMINOUS SHOULDER)



**EXISTING PAVEMENT SAW CUTTING DETAIL**



**PROPOSED CLASS A PATCHING DETAIL**

- NOTES:**
- EVERY 3rd INTERSECTION MUST BE TIED
  - LAP NEW REINFORCEMENT WITH EXISTING LONGITUDINAL REINFORCEMENT
  - VARIABLES: WHERE S<sub>1</sub> AND S<sub>2</sub> ARE 2 1/2" MIN. AND 12" MAX. D<sub>1</sub> = 2(S<sub>1</sub>) AND D<sub>2</sub> = 2(S<sub>2</sub>)

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -
01\pav\work\pav\dot\woodshankr1\vd8308509\	0366C37-detailed.dgn	DRAWN - RW	REVISED -
	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -
	PLOT DATE = 7/9/2012	DATE -	REVISED -

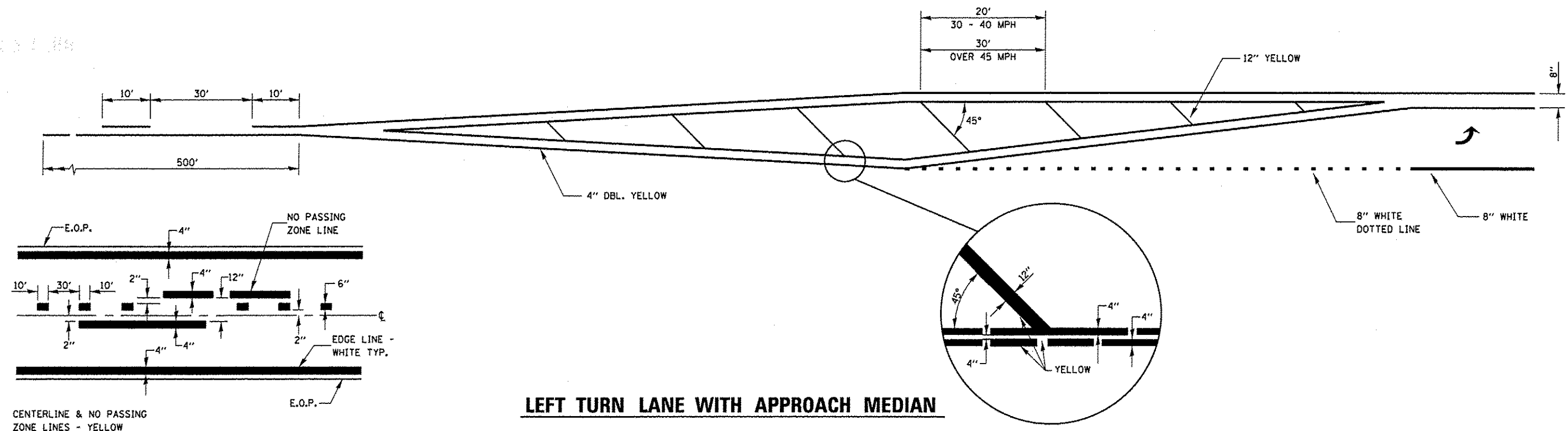
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**CLASS A PATCHING DETAILS**

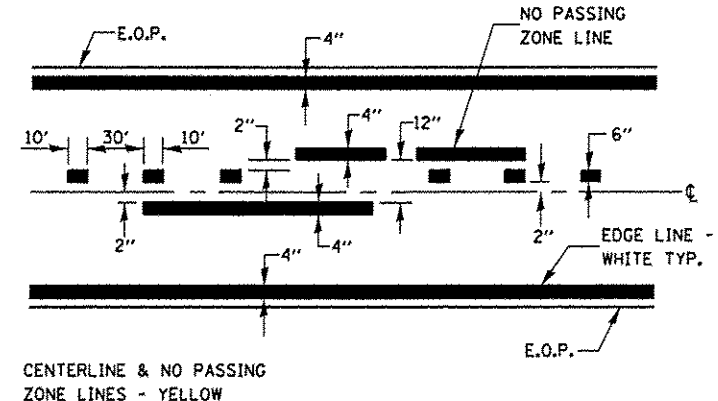
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	D3 PAVEMENT PATCHING 2013-6	IROQUOIS	8	7
CONTRACT NO. 66C37				
ILLINOIS FED. AID PROJECT				

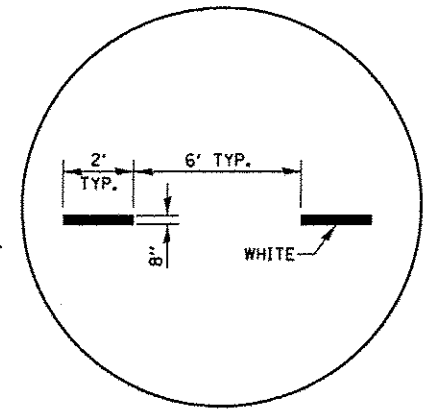
SECTION 317.05



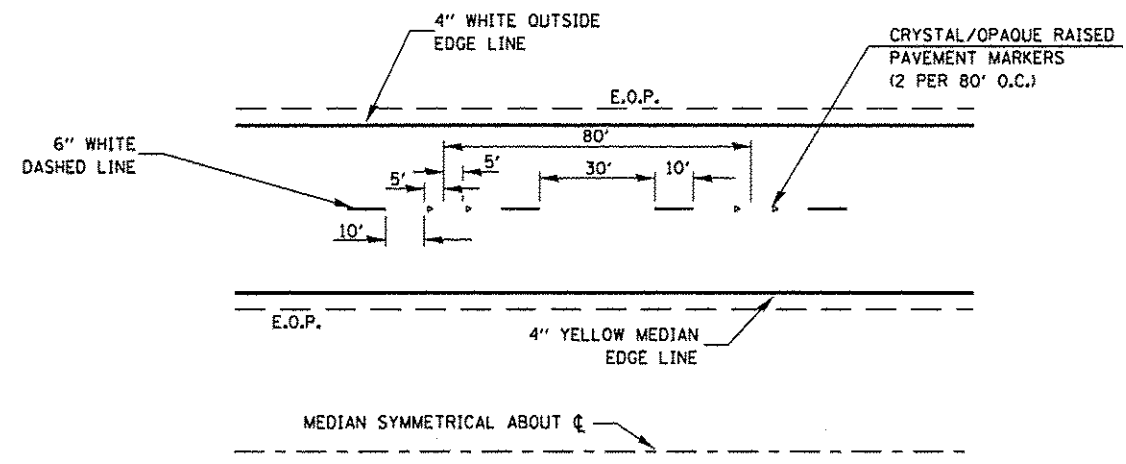
**LEFT TURN LANE WITH APPROACH MEDIAN**



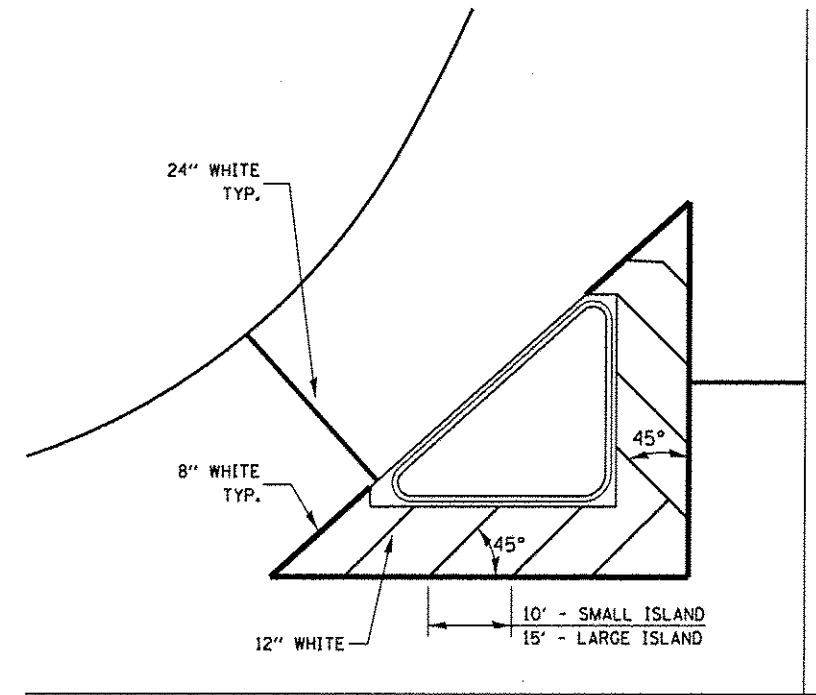
**PAVEMENT MARKING  
2-LANE ROAD**



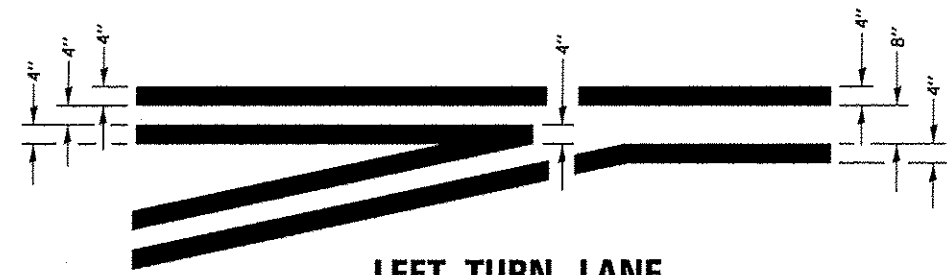
**ADVANCE AND INTERSECTION LANE  
DIVIDER LINES**



**TYPICAL PAVEMENT MARKINGS  
4-LANE ROAD**



**TYPICAL ISLAND**



**LEFT TURN LANE  
TYPICAL APPLICATION**

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PAVEMENT MARKING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\p\work\pvidot\woodshankr1\08308509\366C37-detail.dgn	DRAWN - RW	REVISED -	317			D3 PAVEMENT PATCHING 2013-6	IROQUOIS	8	8	
PLOT SCALE = 100:0 1" = 100'	CHECKED -	REVISED -	CONTRACT NO. 66C37							
PLOT DATE = 7/9/2012	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.	