

**INDEX OF SHEETS**

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- 6. CLASS A PATCHING DETAILS
- 7. TYPICAL PAVEMENT MARKING

**STANDARDS**

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-07 PAVEMENT JOINTS
- 420701-02 PAVEMENT FABRIC
- 421001-02 BAR REINFORCEMENT FOR CRC PAVEMENT
- 442001-04 CLASS A PATCHES
- 701101-02 OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701400-03 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-05 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701411-05 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS  $\geq$  45 MPH
- 701426-03 LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS  $\geq$  45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES

MICROFILMED \_\_\_\_\_  
 REEL NUMBER \_\_\_\_\_  
 AWARDED \_\_\_\_\_  
 RESIDENT ENGINEER \_\_\_\_\_  
 AS BUILT CHANGES WERE MADE  
 ON THE FOLLOWING SHEETS \_\_\_\_\_

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

**DISTRICT 3 NO. (815) 434-6131**

**PROJECT ENGINEER: JOE KANNEL  
 UNIT CHIEF: RON WOODSHANK**

**CONTRACT NO. 66966**

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DIVISION OF HIGHWAYS**

**PROPOSED  
 HIGHWAY PLANS**

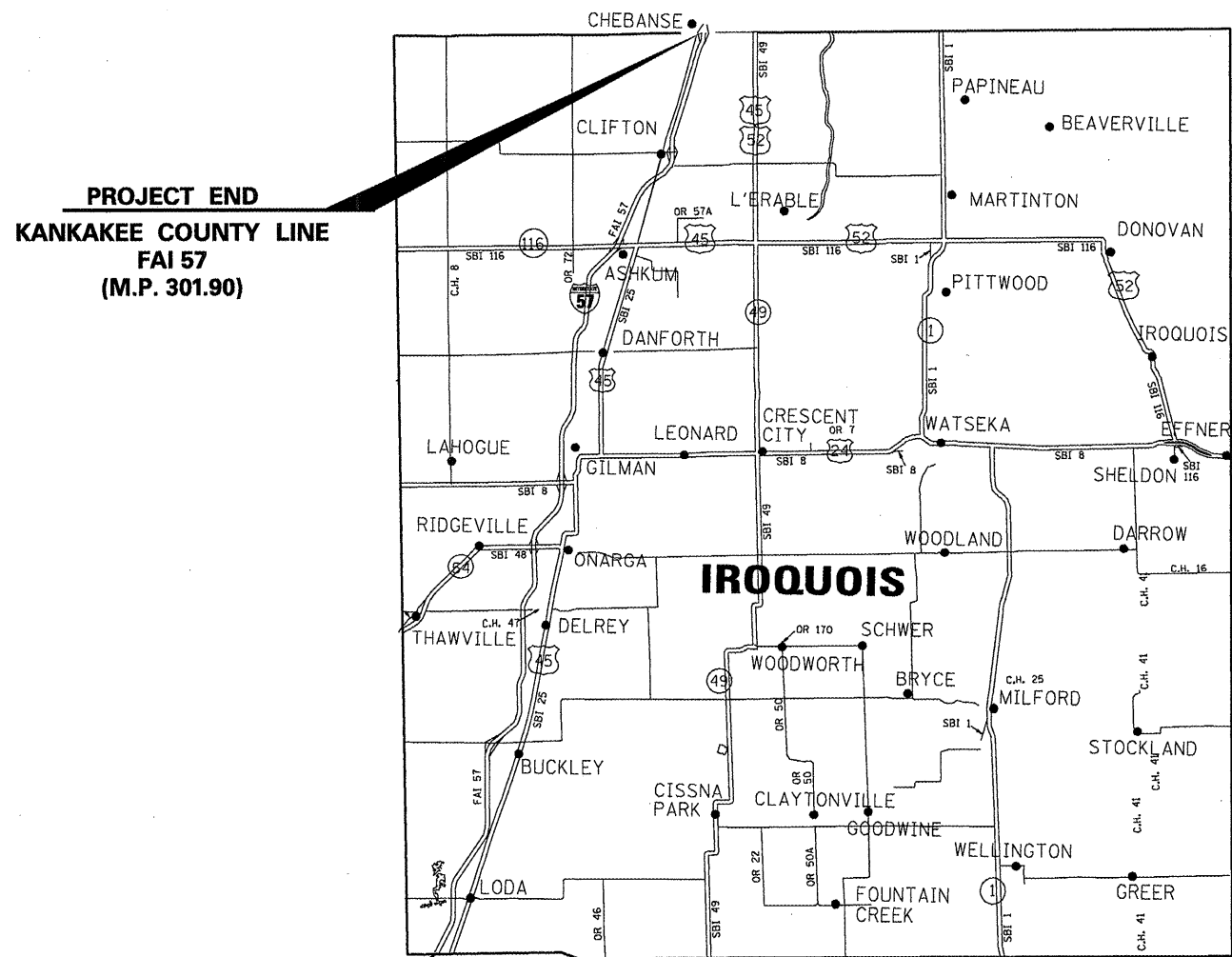
**FAI 57 (I-57 )**

**SECTION D3 PAVEMENT PATCHING 2010-4**

**IROQUOIS COUNTY**

**C-93-099-09**

**PAVEMENT PATCHING**



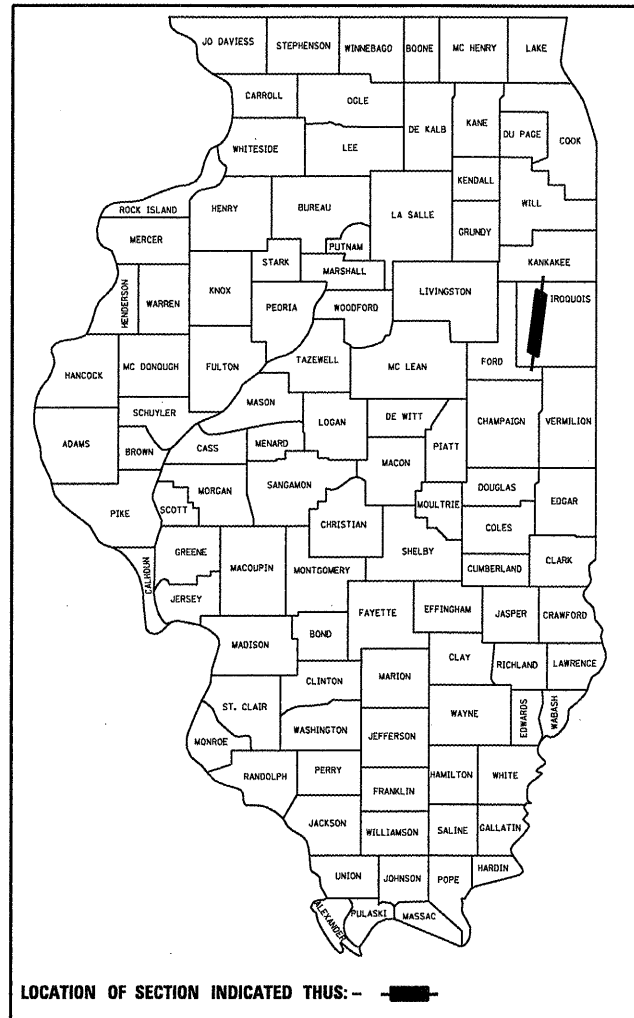
**LOCATION MAP  
 NOT TO SCALE**

**PROJECT BEGIN  
 FORD COUNTY LINE  
 FAI 57  
 (M.P. 263.70)**

**FAI 57 GROSS LENGTH = 38.47 MI. = 203,122 FEET  
 FAI 57 NET LENGTH = 0.06 MILES = 342 FEET**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 PAVEMENT PATCHING 2010-4	IROQUOIS	9	1
FED. ROAD DIST. NO. -	ILLINOIS	CONTRACT NO. 66966		

D-93-002-09



LOCATION OF SECTION INDICATED THUS: - [thick black line] -

**FUNCTIONAL CLASSIFICATION**  
 RURAL - INTERSTATE  
 F.A.I. ROUTE 57 (I-57)  
 2007 ADT = 16300  
 P.V. = 69.6% M.U. = 24.5% S.U. = 5.9%

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS**

SUBMITTED 4/2 2009  
*George Reynolds*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2009  
*Charles J. Innes*  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2009  
*Christine M. Reed*  
 DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING ROADWAY OR STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND TO MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT BID FOR THE WORK.

EXISTING REINFORCEMENT BARS EXTENDING INTO 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.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF CLASS A PATCHING.

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.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

DATE:

4.1.09

PREPARED BY:

*Richard Paul*

DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY:

*Herbert K. Jones*

DISTRICT CONSTRUCTION ENGINEER

*Wayne S. Phillips*

DISTRICT MATERIALS ENGINEER

*James A. Husher*

DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RLW	REVISED - ---
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	PLOT SCALE = 100.0000' / IN.	CHECKED - ---	REVISED - ---
	PLOT DATE = Mar 26, 2009 - 11:15:47 AM	DATE - ---	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**GENERAL NOTES**

SCALE: SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 PAVEMENT PATCHING 2010-4	IRROQUOIS	9	2
FED. ROAD DIST. NO.			ILLINOIS	
CONTRACT NO.66966				

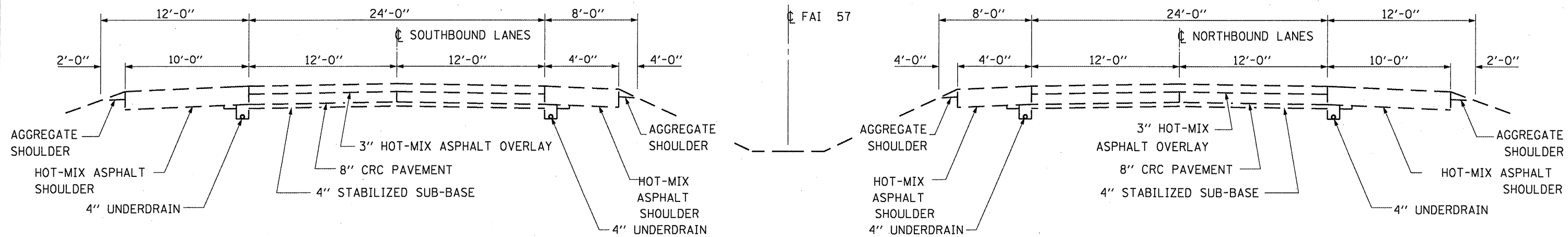
# SUMMARY OF QUANTITIES

CONSTRUCTION CODE J000

RURAL  
100% STATE  
TOTAL  
QUANTITY

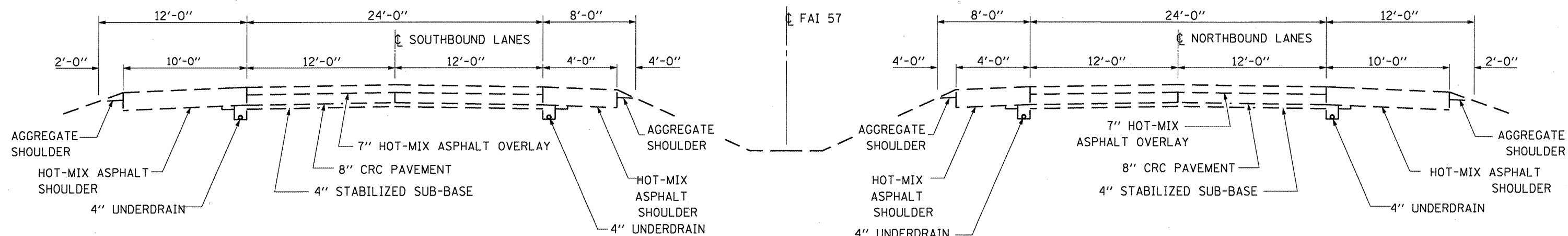
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
44200676	CLASS A PATCHES, TYPE II	SQ YD	605
44213000	PATCHING REINFORCEMENT	SQ YD	605
44213100	PAVEMENT FABRIC	SQ YD	605
44213200	SAW CUTS	FOOT	4962
67100100	MOBILIZATION	L SUM	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	15
X X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	628
X X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	171

X SPECIALTY ITEM



**TYPICAL SECTION 1**

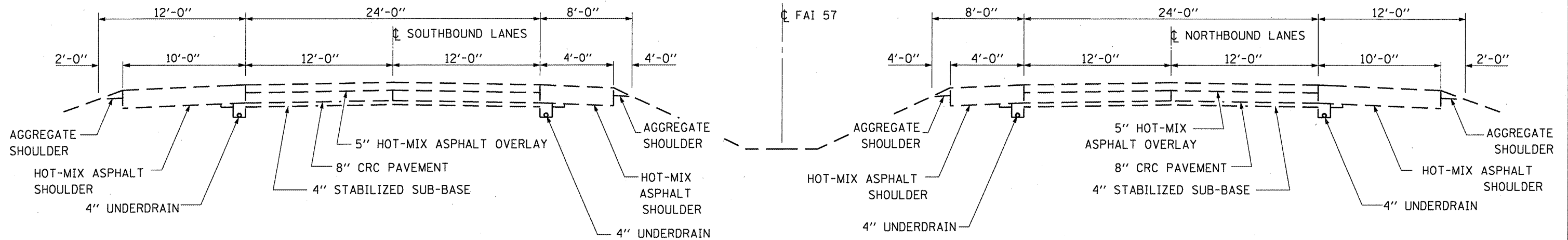
M.P. 263.49 TO M.P. 281.04



**TYPICAL SECTION 2**

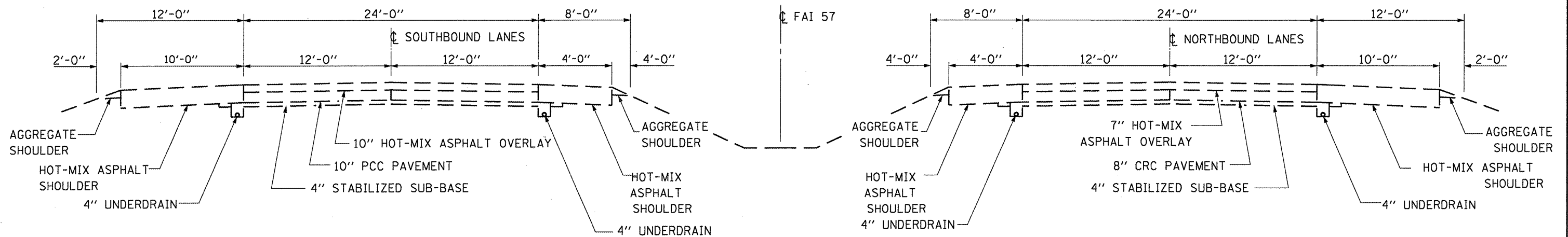
M.P. 281.04 TO M.P. 285.54

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RLW	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\WOODSHANKRL\dms91716\03-66966-detail.dgn	PLOT SCALE = 100.0000' / IN.	DRAWN - RLW	REVISED - ---			57	D3 PAVEMENT PATCHING 2010-4	IROQUOIS	9	4	
PLOT DATE = Mar 26, 2009 - 11:15:56 AM	DATE -	CHECKED -	REVISED - ---			CONTRACT NO. 66966					
						FED. ROAD DIST. NO. ILLINOIS					



**TYPICAL SECTION 3**

M.P. 285.54 TO M.P. 296.65



**TYPICAL SECTION 4**

M.P. 296.65 TO M.P. 301.96

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RLW	REVISED -
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PLOT DATE = Mar 26, 2009 - 11:16:00 AM		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: \_\_\_\_\_ SHEET NO. 2 OF 2 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 PAVEMENT PATCHING 2010-4	IRROUOIS	9	5
FED. ROAD DIST. NO. _____ ILLINOIS			CONTRACT NO. 66966	

CLASS A PATCHING SCHEDULE - NBL

LOCATION BY MILE MARKER	PASSING LANE				DRIVING LANE				REMARKS
	PATCHING TYPE II	PATCH REINF.	PAV'T FABRIC	SAW CUTS	PATCHING TYPE II	PATCH REINF.	PAV'T FABRIC	SAW CUTS	
	SO YD	SO YD	SO YD	FOOT	SO YD	SO YD	SO YD	FOOT	
263.70									PROJECT BEGIN: FORD COUNTY LINE
269.80	8	8	8	66	8	8	8	66	
270.00					8	8	8	66	
271.40					8	8	8	66	
272.20									BUCKLEY INTERCHANGE
277.50					8	8	8	66	
277.60					8	8	8	66	
278.90					8	8	8	66	
280.20									IL RTE 54 INTERCHANGE
282.90					8	8	8	66	
283.10									IL RTE 24 INTERCHANGE
284.30	8	8	8	66					
287.00	8	8	8	66					
290.05					8	8	8	66	
290.20	8	8	8	66	8	8	8	66	
290.25					8	8	8	66	
290.40					8	8	8	66	
290.41	8	8	8	66					
290.70					8	8	8	66	
291.50					8	8	8	66	
291.60					8	8	8	66	
291.80	8	8	8	66					
291.90					8	8	8	66	
292.20	8	8	8	66					
292.23					8	8	8	66	
292.40					8	8	8	66	
292.80									IL RTE 116 INTERCHANGE
293.10					8	8	8	66	
293.80	8	8	8	66	8	8	8	66	
294.00					8	8	8	66	
295.60					8	8	8	66	
295.70	8	8	8	66	8	8	8	66	
295.75					8	8	8	66	
296.60									CLIFTON INTERCHANGE
301.70									CHEBANSE INTERCHANGE
301.90									END PROJECT: KANKAKEE COUNTY LINE
TOTALS	72	72	72	594	184	184	184	1518	

CLASS A PATCHING SCHEDULE - SBL

LOCATION BY MILE MARKER	PASSING LANE				DRIVING LANE				REMARKS
	PATCHING TYPE II	PATCH REINF.	PAV'T FABRIC	SAW CUTS	PATCHING TYPE II	PATCH REINF.	PAV'T FABRIC	SAW CUTS	
	SO YD	SO YD	SO YD	FOOT	SO YD	SO YD	SO YD	FOOT	
301.90									PROJECT BEGIN: KANKAKEE COUNTY LINE
301.70									CHEBANSE INTERCHANGE
299.50					8	8	8	66	APPROACH PAVEMENT
298.30					8	8	8	66	
298.20	8	8	8	66					
297.95	8	8	8	66	8	8	8	66	
296.70									CLIFTON INTERCHANGE
296.60					8	8	8	66	RAMP
296.30					8	8	8	66	RAMP
296.29					8	8	8	66	
296.27	8	8	8	66	8	8	8	66	
296.20	8	8	8	66					
296.00					13	13	13	78	
295.95	8	8	8	66					
295.93	8	8	8	66					
295.30					8	8	8	66	
295.00					8	8	8	66	
294.40					8	8	8	66	
294.30					8	8	8	66	
293.50	8	8	8	66	8	8	8	66	
293.40	8	8	8	66					
293.00					8	8	8	66	
292.90									IL RTE 116 INTERCHANGE
292.70					8	8	8	66	
292.55					8	8	8	66	
292.53	8	8	8	66					
292.15	8	8	8	66					
292.12					8	8	8	66	
291.33					8	8	8	66	
291.10	8	8	8	66	8	8	8	66	
290.60					8	8	8	66	
290.58					8	8	8	66	
290.35	8	8	8	66					
290.30					8	8	8	66	
290.20					8	8	8	66	
285.70	8	8	8	66					
284.37	8	8	8	66	8	8	8	66	
283.10									IL RTE 24 INTERCHANGE
281.20					8	8	8	66	
281.10	8	8	8	66					
280.75					8	8	8	66	
280.60					8	8	8	66	
280.50	8	8	8	66					
280.40	8	8	8	66	8	8	8	66	
280.20									IL RTE 54 INTERCHANGE
279.90	8	8	8	66	8	8	8	66	
279.80					8	8	8	66	
276.40					8	8	8	66	
276.20					8	8	8	66	
275.55					8	8	8	66	
275.10					8	8	8	66	
275.00					8	8	8	66	
274.95					8	8	8	66	
274.93					8	8	8	66	
272.20									BUCKLEY INTERCHANGE
271.30	8	8	8	66	8	8	8	66	
267.90					8	8	8	66	
263.70									END PROJECT: FORD COUNTY LINE
TOTALS	152	152	152	1254	317	317	317	2586	

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

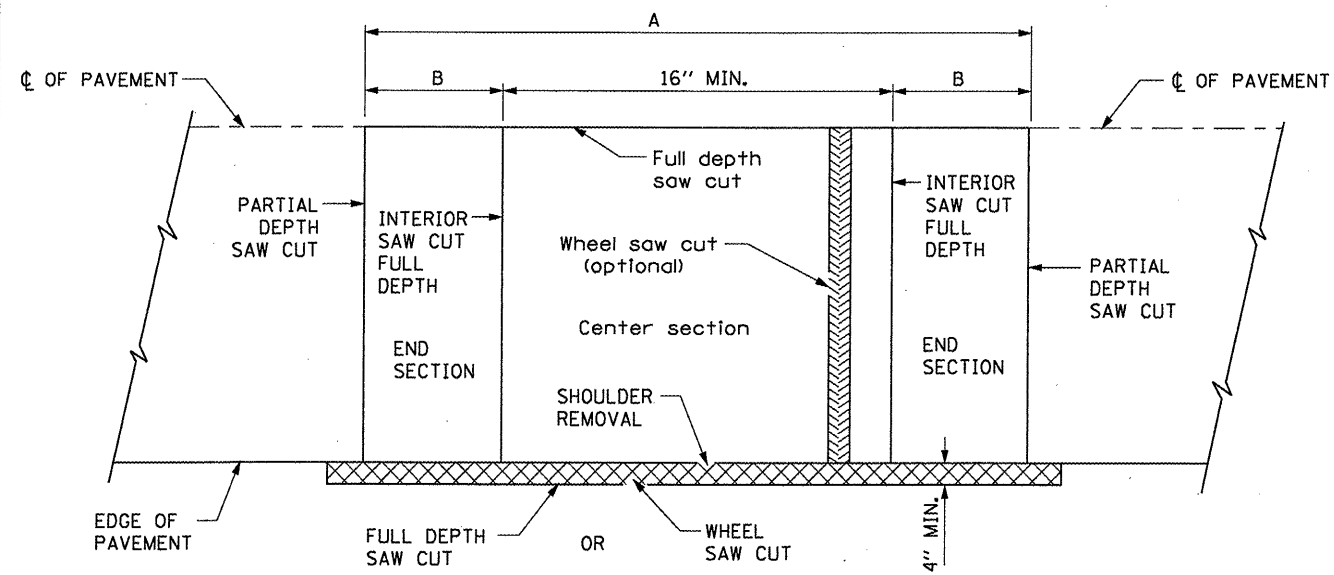
SCHEDULES

SCALE: SHEET NO. 1 OF 4 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 PAVEMENT PATCHING 2010-4	IROQUOIS	9	8
FED. ROAD DIST. NO. - ILLINOIS			CONTRACT NO.66966	

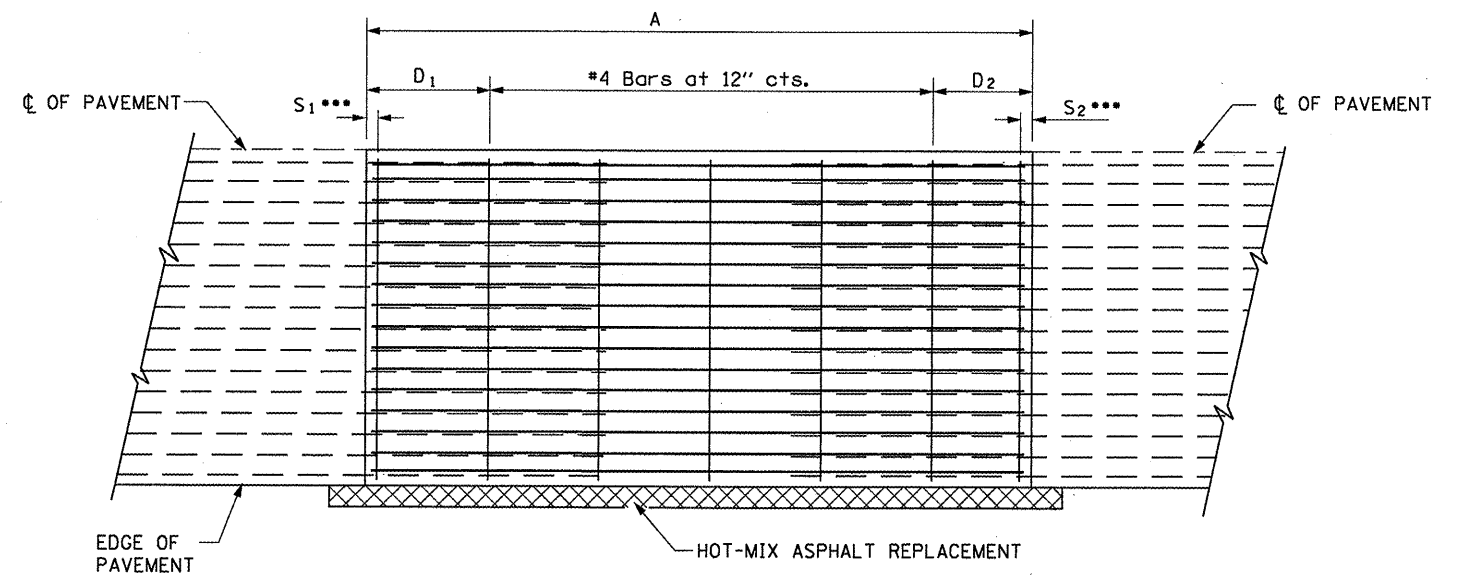
SCHEDULE PAVEMENT MARKING - NBL					
LOCATION		URETHANE PAVEMENT MARKING LINE 4"		URETHANE PAVEMENT MARKING LINE 6"	COMMENTS
MILE MKR	LANE	YELLOW	WHITE	WHITE	
		FEET	FEET	FEET	
263.70	NB				PROJECT BEGIN: FORD COUNTY LINE
269.80	NB	6	6	2	
270.00	NB		6	2	
271.40	NB		6	2	
272.20	NB				BUCKLEY INTERCHANGE
272.40	NB		6	2	
276.20	NB		6	2	
277.50	NB		6	2	
277.60	NB		6	2	
278.90	NB		6	2	
280.20	NB				IL RTE 54 INTERCHANGE
282.90	NB		6	2	
283.10	NB				IL RTE 24 INTERCHANGE
284.30	NB	6		2	
287.00	NB	6		2	
290.05	NB		6	2	
290.10	NB		6	2	
290.20	NB	6	6	2	
290.25	NB		6	2	
290.40	NB		6	2	
290.41	NB	6		2	
290.70	NB		6	2	
291.15	NB		6	2	
291.50	NB		6	2	
291.60	NB		6	2	
291.80	NB	6		2	
291.90	NB		6	2	
292.20	NB	6		2	
292.23	NB		6	2	
292.40	NB		6	2	
292.80	NB				IL RTE 116 INTERCHANGE
293.10	NB		6	2	
293.20	NB		6		RAMP
293.80	NB	6	6	2	
294.00	NB		6	2	
295.00	NB		6	2	
295.35	NB		6	2	
295.60	NB		6	2	
295.70	NB	6	6	2	
295.75	NB		6	2	
296.60	NB				CLIFTON INTERCHANGE
296.90	NB		6		RAMP
296.92	NB		6	2	
296.92	NB		6		RAMP
297.00	NB		6		RAMP
297.22	NB		6	2	
298.00	NB	6	6	2	
301.70	NB				CHEBANSE INTERCHANGE
301.90	NB				END PROJECT: KANKAKEE COUNTY LINE
TOTAL		276		74	

SCHEDULE PAVEMENT MARKING - SBL					
LOCATION		URETHANE PAVEMENT MARKING LINE 4"		URETHANE PAVEMENT MARKING LINE 6"	REMARKS
MILE MKR	LANE	YELLOW	WHITE	WHITE	
		FEET	FEET	FEET	
301.70	SB				PROJECT BEGIN: KANKAKEE COUNTY LINE
299.50	SB		6	2	APPROACH PAVEMENT
298.30	SB		6	2	
298.20	SB	6		2	
297.95	SB	6	6	2	
296.70	SB				CLIFTON INTERCHANGE
296.60	SB		6		RAMP
296.30	SB		6		RAMP
296.29	SB		6	2	
296.27	SB	6	6	2	
296.20	SB	6		2	
296.00	SB		10	3	
295.95	SB	6		2	
295.93	SB	6		2	
295.30	SB		6	2	
295.00	SB		6	2	
294.40	SB		6	2	
294.30	SB		6	2	
293.50	SB	6	6	2	
293.40	SB	6		2	
293.00	SB		6	2	
292.90	SB				IL RTE 116 INTERCHANGE
292.70	SB		6	2	
292.55	SB		6	2	
292.53	SB	6		2	
292.15	SB	6		2	
292.12	SB		6	2	
291.33	SB		6	2	
291.10	SB	6	6	2	
290.60	SB		6	2	
290.58	SB		6	2	
290.35	SB	6		2	
290.30	SB		6	2	
290.20	SB		6	2	
285.70	SB	6		2	
284.37	SB	6	6	2	
283.10	SB				IL RTE 24 INTERCHANGE
281.20	SB		6	2	
281.10	SB	6		2	
280.75	SB		6	2	
280.60	SB		6	2	
280.50	SB	6		2	
280.40	SB	6	6	2	
280.20	SB				IL RTE 54 INTERCHANGE
279.90	SB	6	6	2	
279.80	SB		6	2	
276.40	SB		6	2	
276.20	SB		6	2	
275.55	SB		6	2	
275.10	SB		6	2	
275.00	SB		6	2	
274.95	SB		6	2	
274.93	SB		6	2	
272.20	SB				BUCKLEY INTERCHANGE
271.30	SB	6	6	2	
267.90	SB		6	2	
263.70	SB				END PROJECT: FORD COUNTY LINE
TOTAL		352		97	

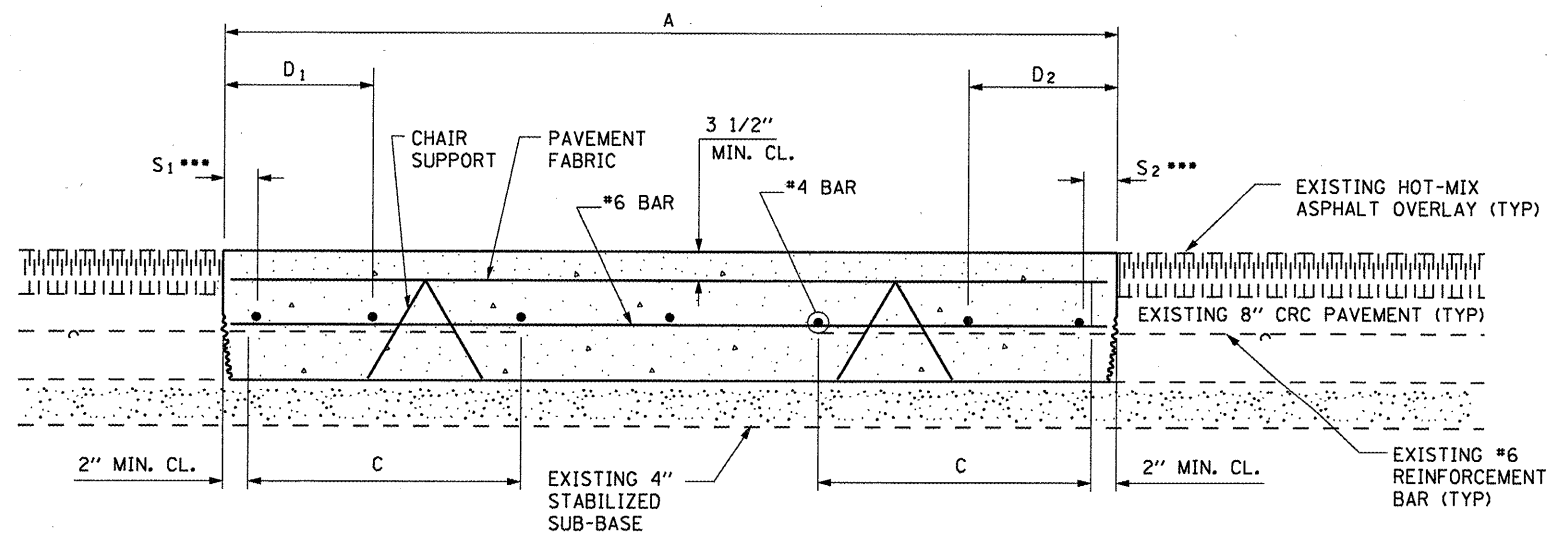


**EXISTING PAVEMENT SAWING DETAIL**  
(AGAINST BITUMINOUS SHOULDER)

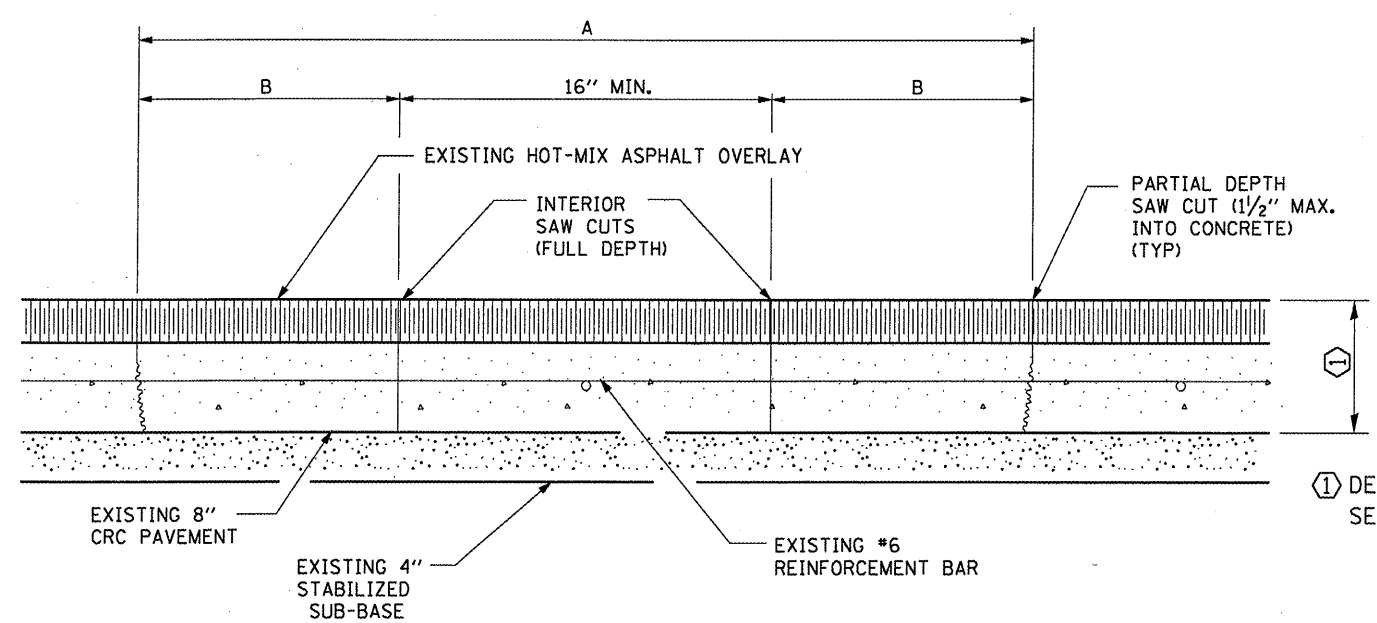
EXISTING LONGITUDINAL REINFORCEMENT BARS	A (min.)	B (min.)	C (min.)
No. 6	6'-0"	24"	19"



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



**PROPOSED CLASS A PATCHING DETAIL**

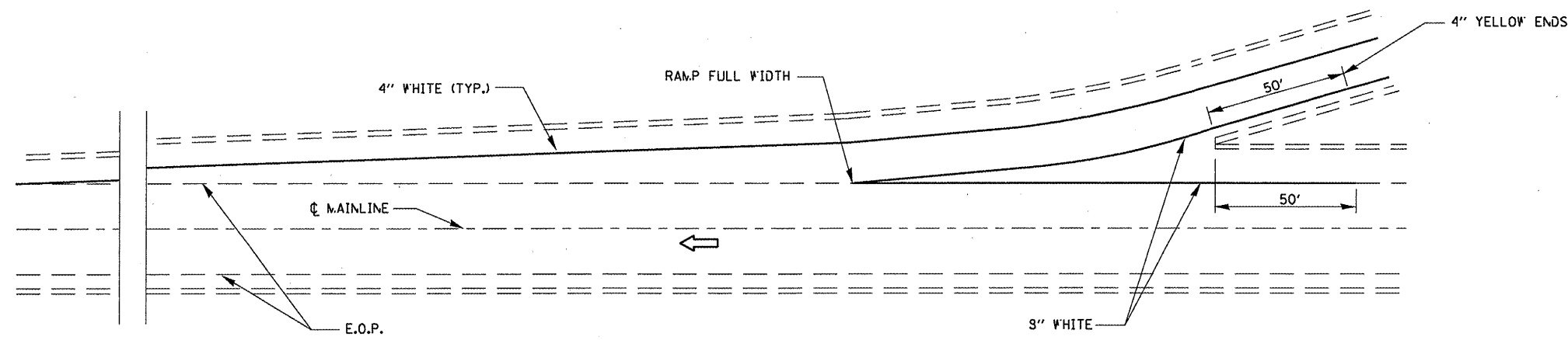


**EXISTING PAVEMENT SAW CUTTING DETAIL**

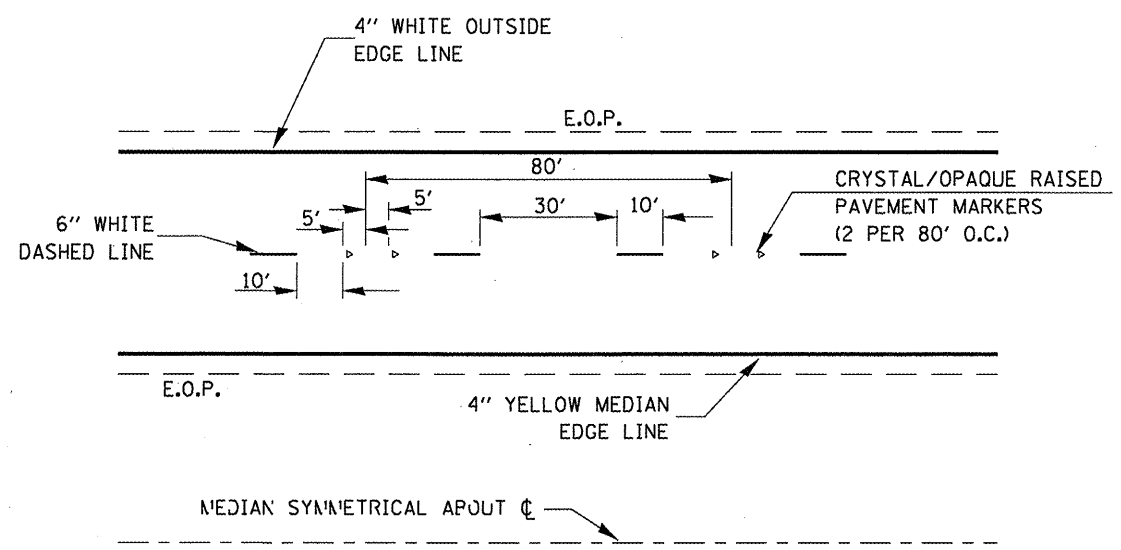
① DEPTH VARIES SEE TYPICAL SECTIONS

- NOTES:**
- EVERY 3<sup>rd</sup> 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>)

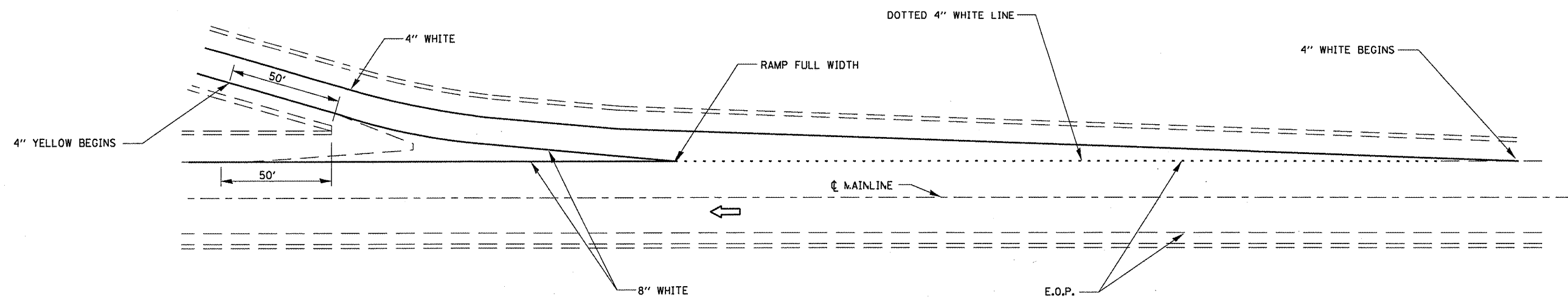




**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**



**TYPICAL PAVEMENT MARKINGS**  
4 LANE ROAD OR INTERSTATE



**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

FILE NAME =	USER NAME = woodshankr1	DESIGNED - RLW	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL PAVEMENT MARKING</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ar\pw\work\PWIDOT\WOODSHANKRL\dms91716	03-66966-details.dgn	DRAWN - RLW	REVISED -			57	D3 PAVEMENT PATCHING 2010-4	IROQUOIS	9	9	
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 66966					
PLOT DATE = Mar 26, 2009 - 11:16:19 AM	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. -	ILLINOIS				