

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-5,6,7,8)PP	LASALLE	9	1
			CONTRACT NO. 66J03	

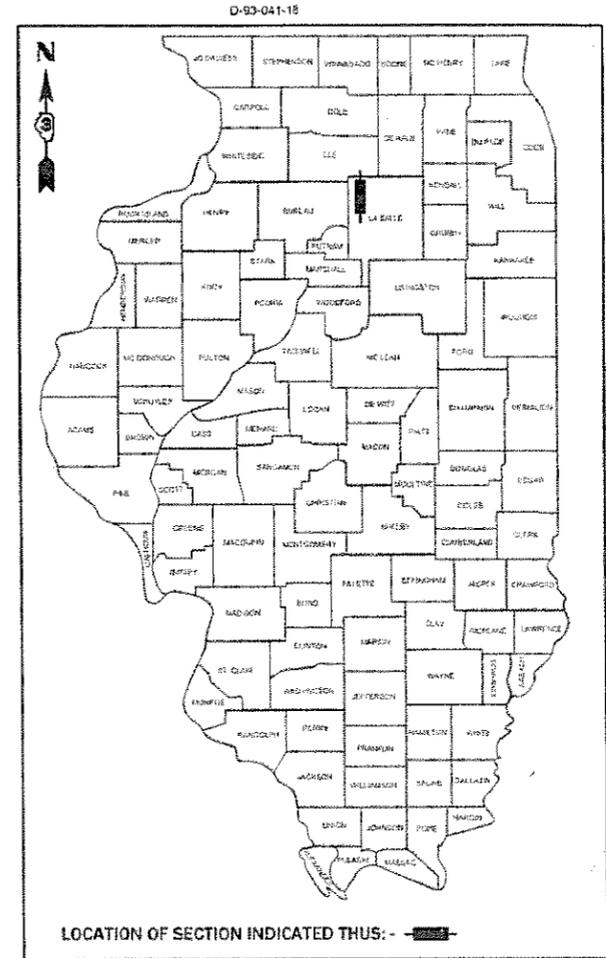
INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-6	SCHEDULES
7-9	DETAILS

# PROPOSED HIGHWAY PLANS

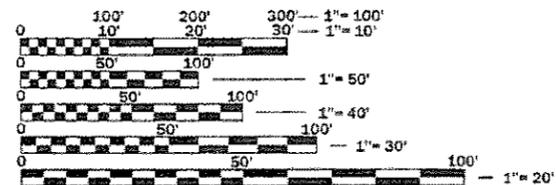
FAI ROUTE 39 (I-39)  
SECTION (50-5,6,7,8)PP  
PAVEMENT PATCHING  
LASALLE COUNTY

C-93-047-18



LIST OF ILLINOIS DOT HIGHWAY STANDARDS

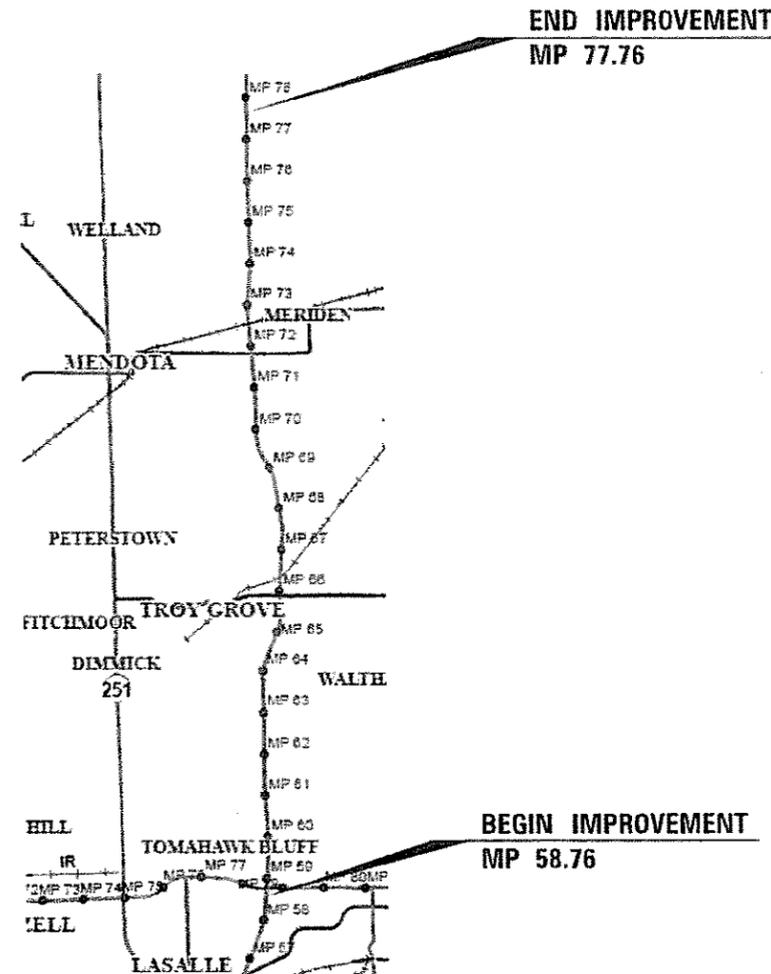
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-11	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-07	TRAFFIC CONTROL DEVICES



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: MICHELE LINDEMANN P.E.  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66J03



GROSS LENGTH = 100,320.00 FT. = 19.000 MILE  
NET LENGTH NORTHBOUND = 775.00 FT. = 0.147 MILE  
NET LENGTH SOUTHBOUND = 401.00 FT. = 0.076 MILE

FUNCTIONAL CLASSIFICATION  
RURAL - INTERSTATE  
F.A.I. ROUTE 39 (I-39)  
2017 ADT = 22,400  
P.V. = 63.17% S.U. = 4.69% M.U. = 32.14%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED Dec 21 2017  
Mark [Signature]  
REGIONAL ENGINEER

Feb 2 2018  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 3 2018  
[Signature]  
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

COMMITMENTS

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.

ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

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 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  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION: \_\_\_\_\_

INSPECTORS: \_\_\_\_\_

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: Don Benoit  
DISTRICT STUDIES & PLANS ENGINEER

DATE: December 21, 2017

EXAMINED BY: [Signature]  
DISTRICT CONSTRUCTION ENGINEER  
Michael [Signature] - CN  
DISTRICT MATERIALS ENGINEER  
[Signature]  
DISTRICT OPERATIONS ENGINEER

FILE NAME * c:\m\work\pavedfor\corcoran\054228-0-66J03-180.rvt	USER NAME * corcoranm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>		F.A.L. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	39	(50-5.6.7.8)PP				LASALLE	9	2		
PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED -	CONTRACT NO 66J03								
PLOT DATE = 12/18/2017	DATE -	REVISED -	SCALE		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED AID PROJECT	

CONSTR. CODE

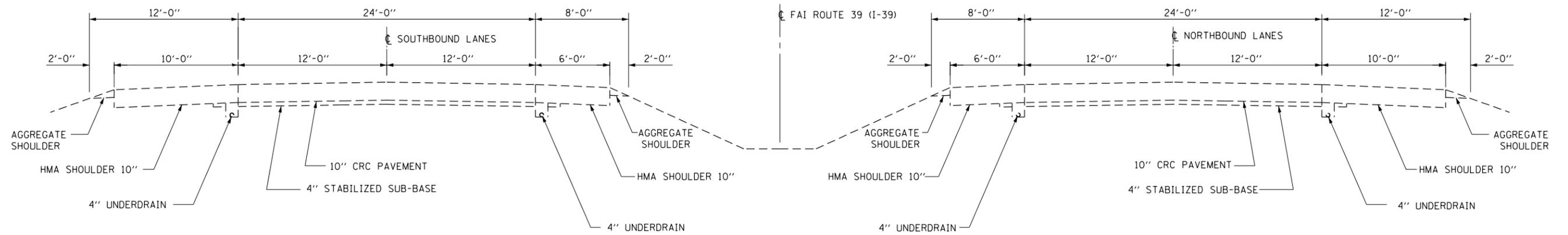
100% STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005 RURAL
44200553	CLASS A PATCHES, TYPE II, 10 INCH	SQ YD	285	285
44200557	CLASS A PATCHES, TYPE III, 10 INCH	SQ YD	216	216
44200559	CLASS A PATCHES, TYPE IV, 10 INCH	SQ YD	1067	1067
44213000	PATCHING REINFORCEMENT	SQ YD	1568	1568
44213200	SAW CUTS	FOOT	3648	3648
44213204	TIE BARS 3/4"	EACH	2529	2529
67100100	MOBILIZATION	L SUM	1	1
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12	12
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	11	11
Δ 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1176	1176
Δ 78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	375	375
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	88	88

Δ SPECIALTY ITEM

FILE NAME =	USER NAME = ccorranin	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pc:\MLD84ES\INTEG.illinois.gov\PW\DOT\Documents\DOT Office\District 3\Project\0386\03\CADData\0386\03-shr-cv	DRAWN -	REVISED -	REVISED -						39	(50-5,6,7,8)PP	LASALLE	9	3
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	PLOT DATE = 12/18/2017	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

REV



**TYPICAL SECTION**  
**FAI ROUTE 39 (I-39) - MAINLINE**  
**M.P. 52.20 - M.P. 77.76**

FILE NAME =	USER NAME = corcoranlm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EB\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 3\Projects\I3966J03\CADDData\I3966J03-shk\	DRAWN -	REVISED -	39					(50-5,6,7,8)PP	LASALLE	9	4	
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	PLOT DATE = 12/18/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.		

CLASS A PATCHING NORTHBOUND LANES																	
LOCATION	PASSING LANE		PASSING LANE						DRIVING LANE		DRIVING LANE						
			CLASS A			PATCH REINF	SAW CUTS	TIE BARS 3/4" EACH			CLASS A			PATCH REINF	SAW CUTS	TIE BARS 3/4" EACH	
	TYPE II 10"	TYPE III 10"	TYPE IV 10"	TYPE II 10"	TYPE III 10"				TYPE IV 10"	LENGTH	WIDTH	TYPE II 10"	TYPE III 10"				TYPE IV 10"
MILE POST	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT	FOOT
65.9									10	12	13				13	44	42
65.9									10	12	13				13	44	42
66									15	12		20			20	54	42
66.3									6	12	8				8	36	42
66.7									6	12	8				8	36	42
67									15	12		20			20	54	42
67.1									12	12		16			16	48	42
68.4									6	12	8				8	36	42
68.4									20	12	0		27		27	64	48
68.4									8	12	11				11	40	42
69.4									20	12			27		27	64	48
69.7									40	12			53		53	104	55
70.8									8	12	11				11	40	42
72.1									50	12			67		67	124	58
72.5									6	12	8				8	36	42
72.5									6	12	8				8	36	42
72.8									40	12			53		53	104	55
72.9									10	12	13				13	44	42
73									8	12	11				11	40	42
73.7									6	12	8				8	36	42
73.9									15	12		20			20	54	42
74.2									20	12			27		27	64	48
74.5									10	12	13				13	44	42
75.1	300	12			400	400	624	142									
75.6									90	12			120		120	204	72
75.8									14	12		19			19	52	42
75.9									8	12	11				11	40	42
76.4									16	12		21			21	56	42
NB SUBTOTAL	300				400	400	624	142	475		144	116	374	634	1598	1224	

CLASS A PATCHING SOUTHBOUND LANES																	
LOCATION	PASSING LANE		PASSING LANE						DRIVING LANE		DRIVING LANE						
			CLASS A			PATCH REINF	SAW CUTS	TIE BARS 3/4" EACH			CLASS A			PATCH REINF	SAW CUTS	TIE BARS 3/4" EACH	
	TYPE II 10"	TYPE III 10"	TYPE IV 10"	TYPE II 10"	TYPE III 10"				TYPE IV 10"	LENGTH	WIDTH	TYPE II 10"	TYPE III 10"				TYPE IV 10"
MILE POST	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT	FOOT
76									40	12			53		53	104	55
75.5									18	12		24			24	60	42
74.3									20	12			27		27	64	48
73.4									10	12	13				13	44	42
73.3									30	12			40		40	84	52
73.2									25	12			33		33	74	50
73									25	12			33		33	74	50
72.3									10	12	13				13	44	42
71.3									6	12	8				8	36	42
71.1									15	12		20			20	54	42
71									30	12			40		40	84	52
71									8	12	11				11	40	42
71									15	12		20			20	54	42
70.8									8	12	11				11	40	42
70.8									10	12	13				13	44	42
70.7									10	12	13				13	44	42
70									15	12		20			20	54	42
68.8									20	12			27		27	64	48
68.8									6	12	8				8	36	42
68.8	12	12		16			16	48	42								
68.8									8	12	11				11	40	42
68.4									10	12	13				13	44	42
67									30	12			40		40	84	52
64.5									6	12	8				8	36	42
61									6	12	8				8	36	42
59.3									8	12	11				11	40	42
SB SUBTOTAL	12			16			16	48	42	389		141	84	293	518	1378	1121

CLASS A PATCHING TOTALS						
LOCATION	TYPE II 10"	TYPE III 10"	TYPE IV 10"	PATCH REINF	SAW CUTS	TIE BARS 3/4"
	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	EACH
SOUTHBOUND LANES	141	100	293	534	1426	1163
NORTHBOUND LANES	144	116	774	1034	2222	1366
TOTALS	285	216	1067	1568	3648	2529

PAVEMENT MARKING					
LOCATION	PASSING LANE	DRIVING LANE	POLYUREA PAVEMENT MARKING TYPE I LINE 4"		POLYUREA PAVEMENT MARKING TYPE I LINE 6"
			YELLOW	WHITE	WHITE
MILE POST NB	FOOT	FOOT	FOOT	FOOT	FOOT
65.9		10		10	10
65.9		10		10	10
66		15		15	10
66.3		6		6	10
66.7		6		6	10
67		15		15	10
67.1		12		12	10
68.4		6		6	10
68.4		20		20	10
68.4		8		8	10
69.4		20		20	10
69.7		40		40	10
70.8		8		8	10
72.1		50		50	
72.5		6		6	
72.5		6		6	
72.8		40		40	
72.9		10		10	
73		8		8	
73.7		6		6	
73.9		15		15	
74.2		20		20	
74.5		10		10	
75.1	300		300		75
75.6		90		90	
75.8		14		14	
75.9		8		8	
76.4		16		16	
NB SUBTOTAL	300	475	300	475	205
MILE POST SB					
76		40		40	
75.5		18		18	
74.3		20		20	
73.4		10		10	
73.3		30		30	
73.2		25		25	
73		25		25	
72.3		10		10	
71.3		6		6	10
71.1		15		15	10
71		30		30	10
71		8		8	10
71		15		15	10
70.8		8		8	10
70.8		10		10	10
70.7		10		10	10
70		15		15	10
68.8		20		20	10
68.8		6		6	10
68.8	12		12		
68.8		8		8	10
68.4		10		10	10
67		30		30	10
64.5		6		6	10
61		6		6	10
59.3		8		8	10
SB SUBTOTAL	12	389	12	389	170
TOTAL	312	864	1176		375

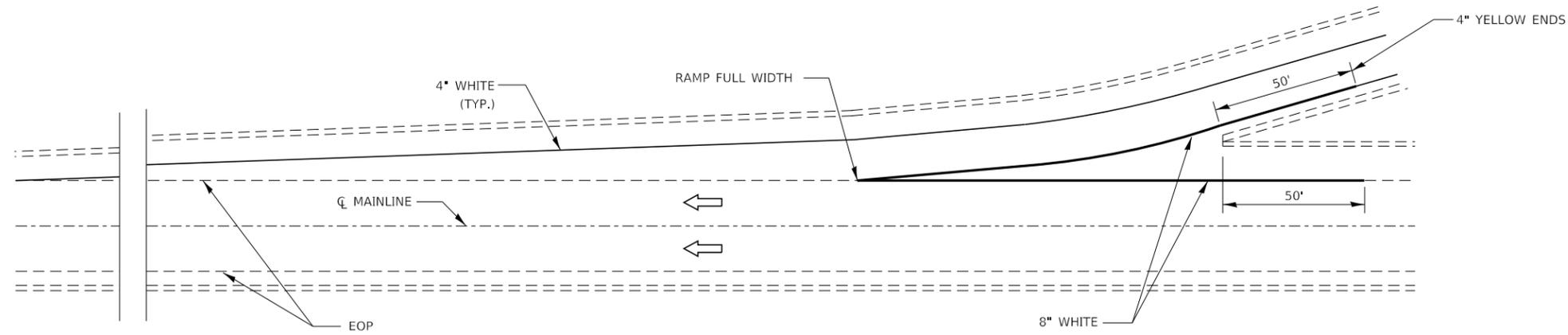
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

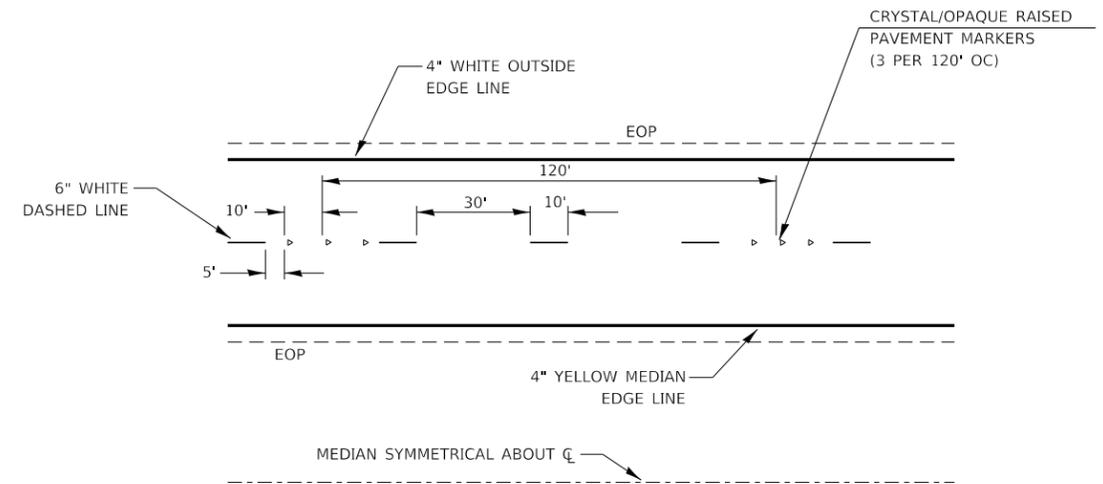
**SCHEDULES**

SCALE: SHEET OF SHEETS STA. TO STA.

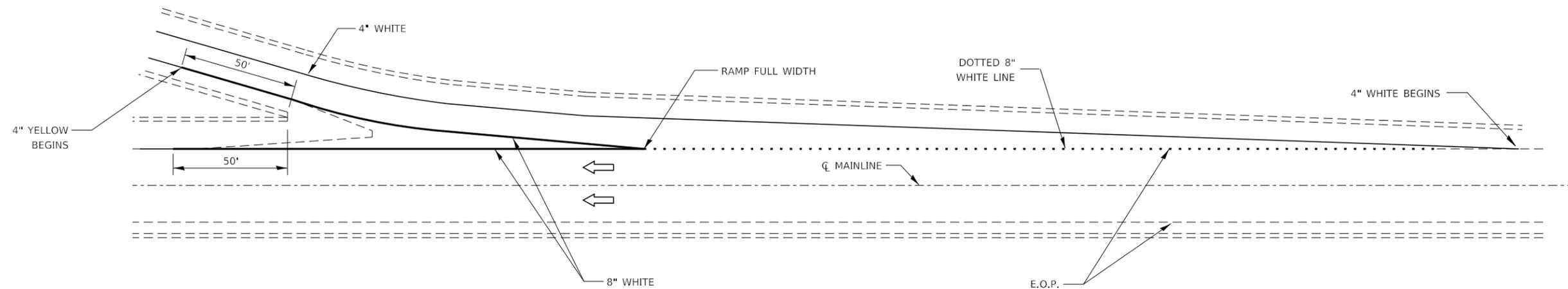
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-5,6,7,8)PP	LASALLE	9	6
CONTRACT NO. 66J03				
ILLINOIS FED. AID PROJECT				



**TYPICAL PAVEMENT MARKING FOR ENTRANCE RAMP TERMINALS**

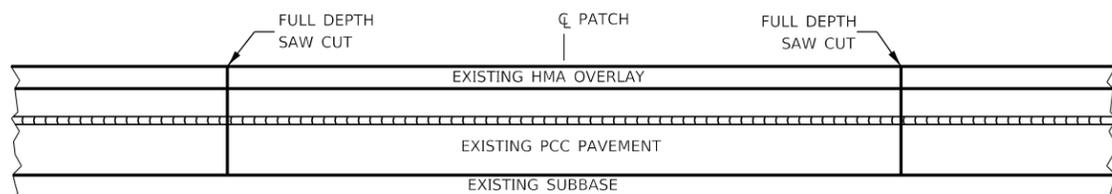
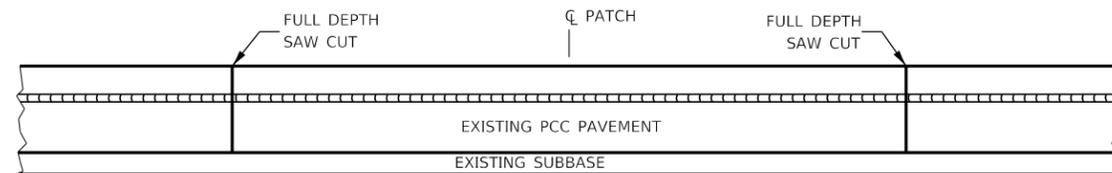
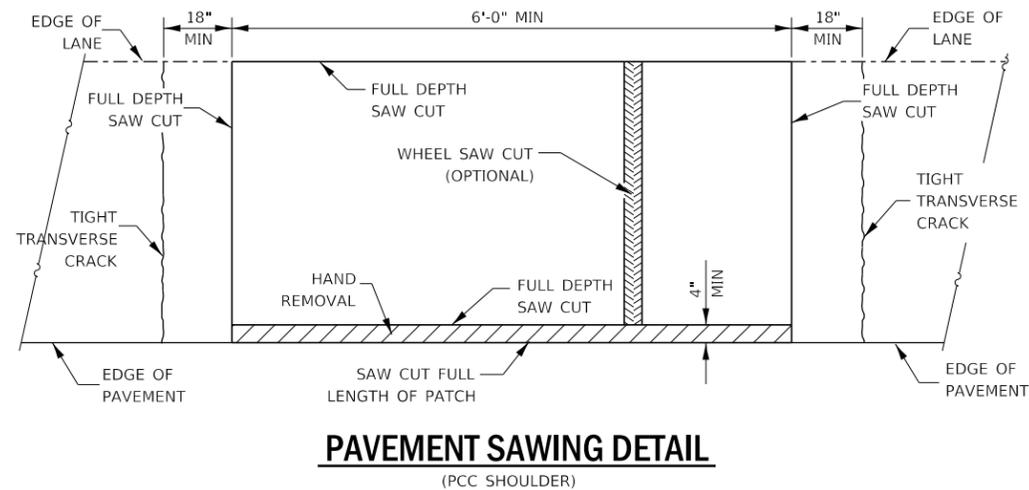
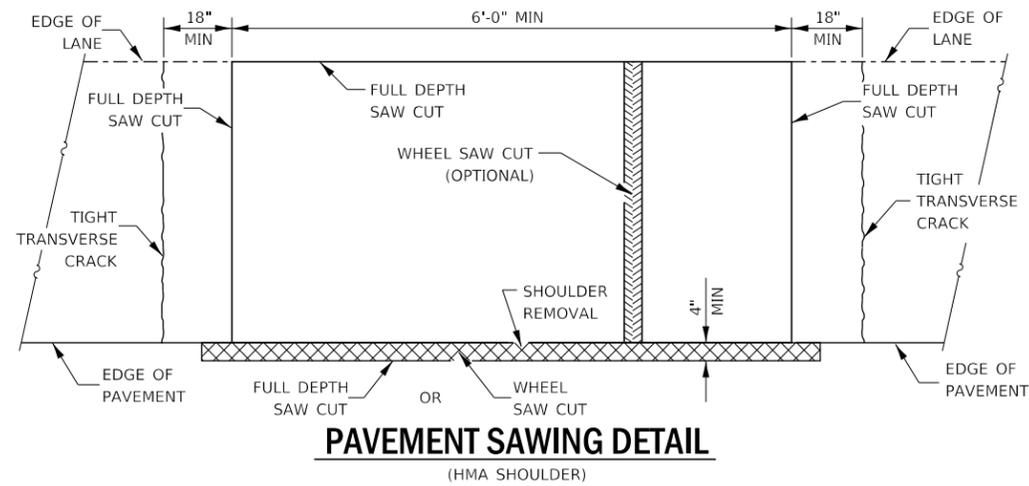


**TYPICAL PAVEMENT MARKINGS**

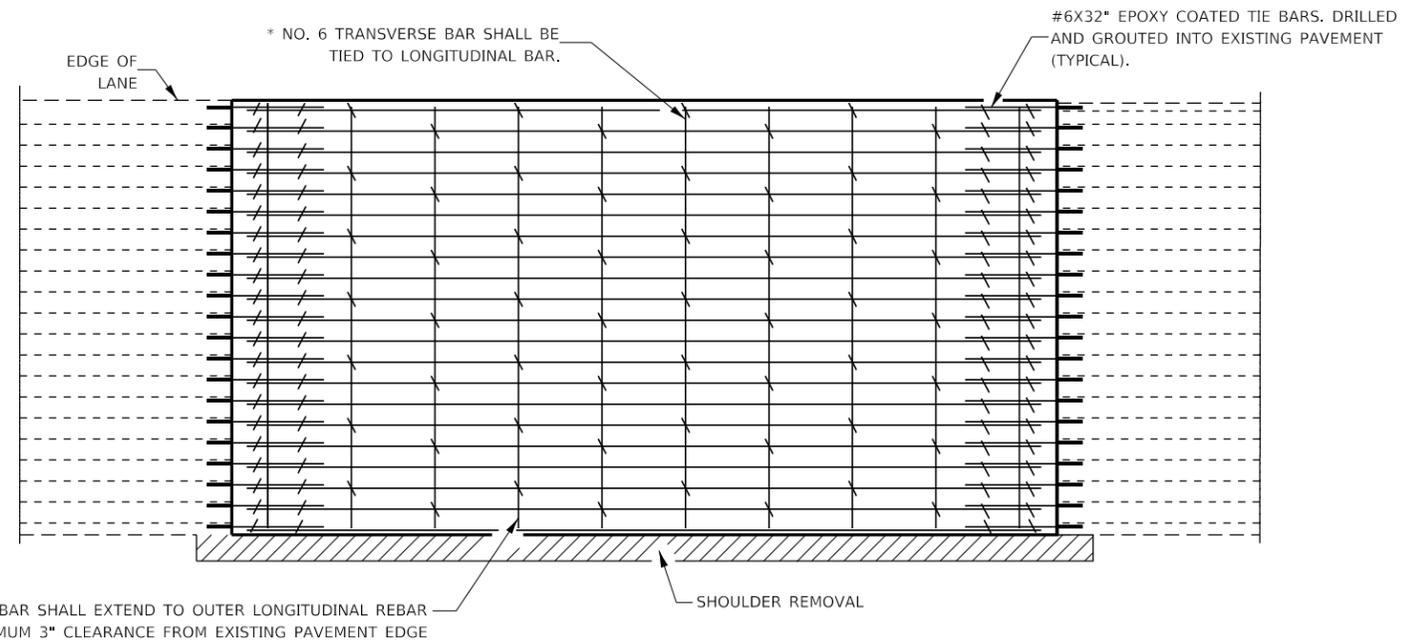


**TYPICAL PAVEMENT MARKINGS FOR EXIT RAMP TERMINALS**

FILE NAME =	USER NAME = corcoranlm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 66J03				ILLINOIS	FED. AID PROJECT			
	PLOT DATE = 12/18/2017	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

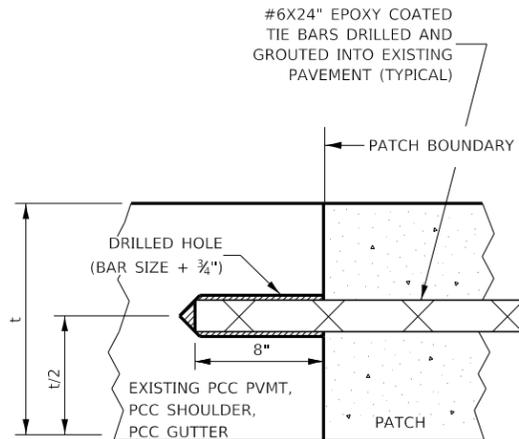


**PAVEMENT SAWING DETAIL FOR CLASS A PATCHING (CRC PAVEMENT)**



TRANSVERSE REBAR SHALL EXTEND TO OUTER LONGITUDINAL REBAR WHILE PROVIDING A MINIMUM 3" CLEARANCE FROM EXISTING PAVEMENT EDGE

**PAVEMENT REINFORCEMENT DETAIL**



**LONGITUDINAL CONSTRUCTION JOINT**

PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6X24" EPOXY COATED TIE BARS AT 36" CENTERS.

**NOTES:**

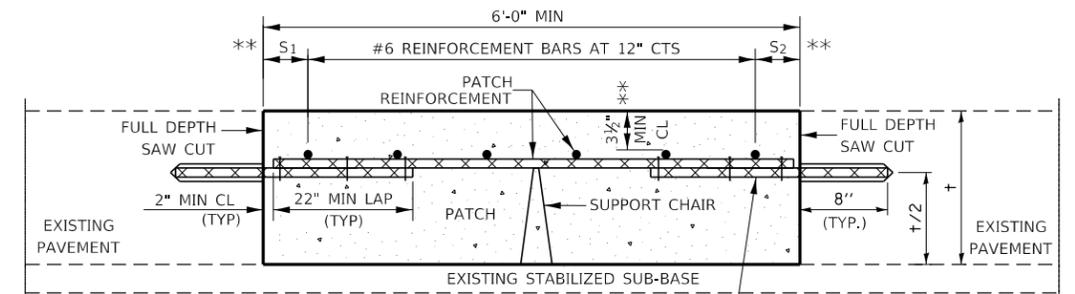
EXISTING LONGITUDINAL REINFORCEMENT SPACING:  $\pm 6\frac{1}{2}$ ".

SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

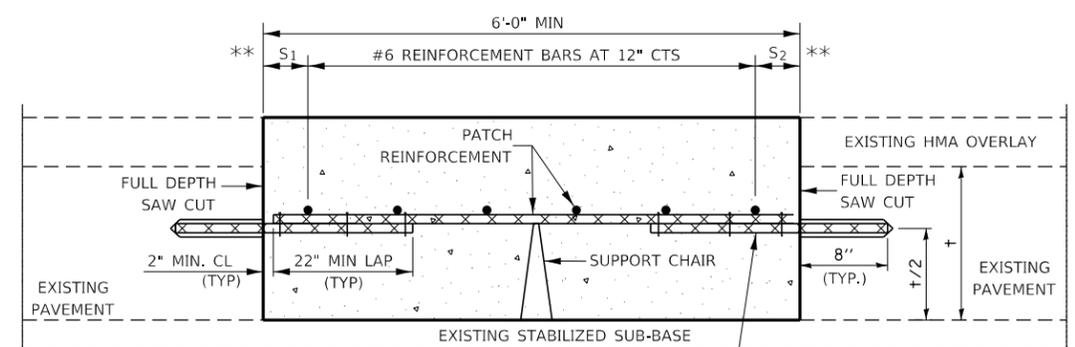
SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6'-0"

\* EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR.

\*\* VARIABLES WHERE S<sub>1</sub> AND S<sub>2</sub> ARE 2½" MIN. AND 12" MAX.



**WITHOUT HMA OVERLAY**



**WITH HMA OVERLAY**

**PATCHING DETAIL FOR CLASS A PATCHING (CRC PAVEMENT)**

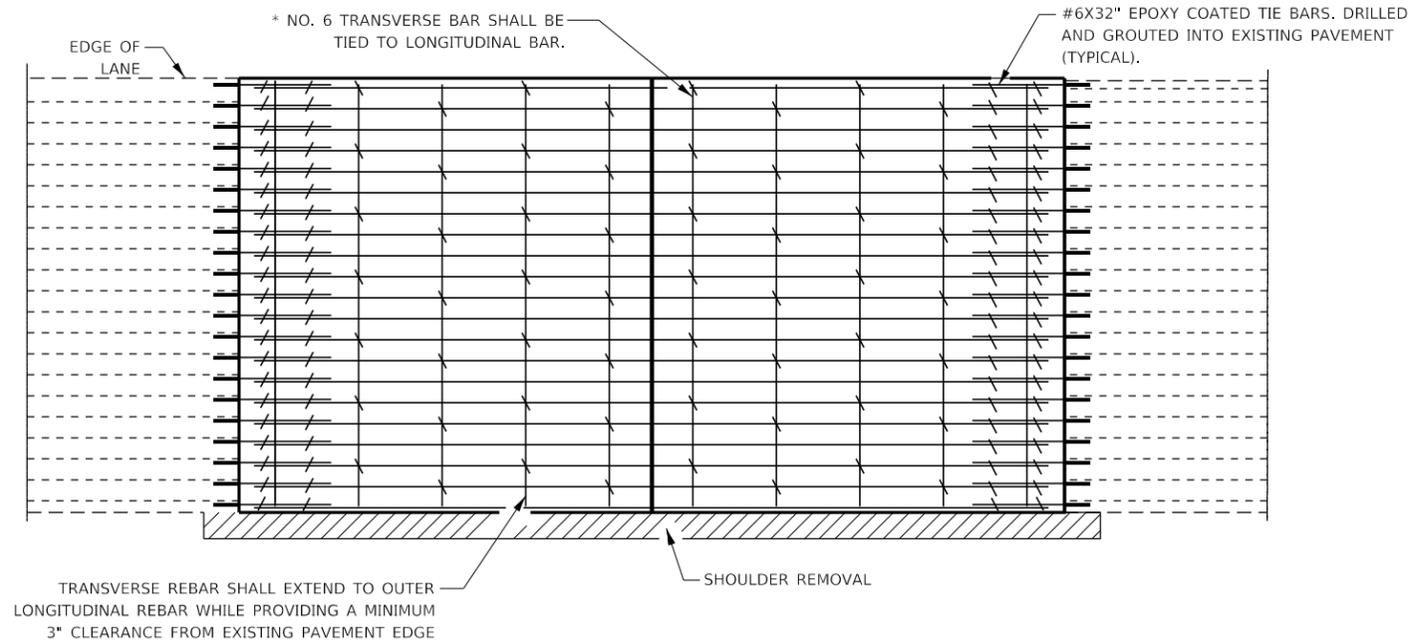
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/18/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

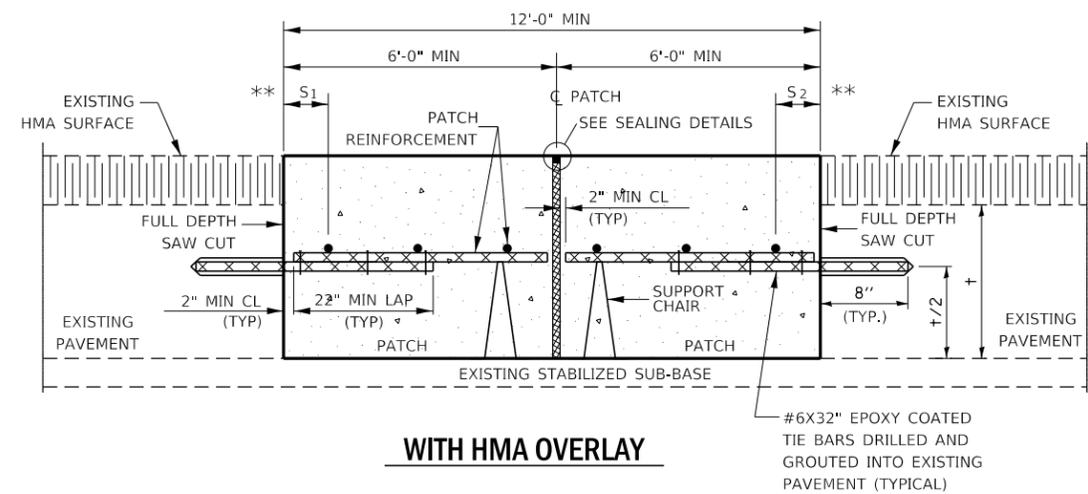
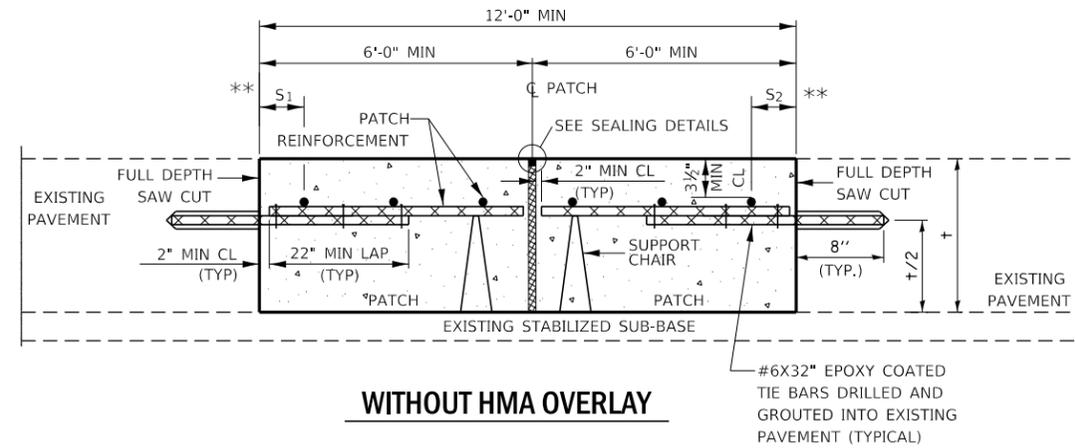
CLASS A PATCHING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

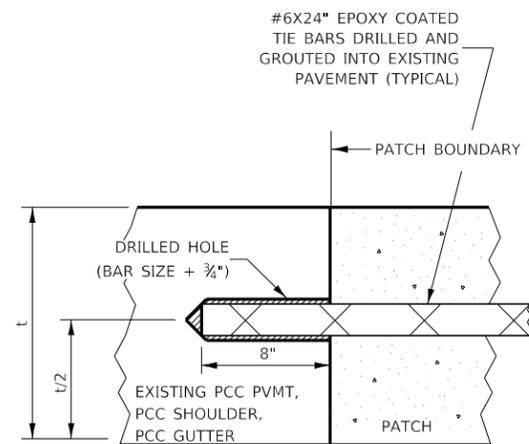
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-5,6,7,8)PP	LASALLE	9	8
CONTRACT NO. 66J03				
ILLINOIS FED. AID PROJECT				



**PAVEMENT REINFORCEMENT DETAIL**

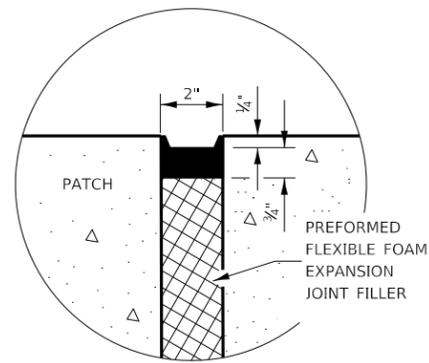


**CLASS A PATCH WITH EXPANSION JOINT**

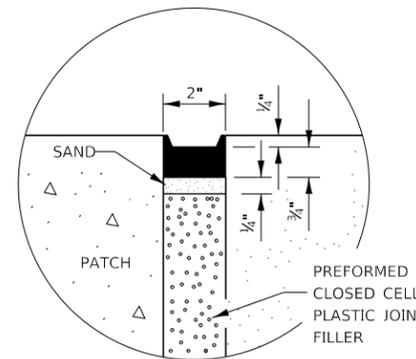


**LONGITUDINAL CONSTRUCTION JOINT**

PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6x24" EPOXY COATED TIE BARS AT 36" CENTERS.



**SEALING DETAIL**



**SEALING DETAIL**

**NOTES:**

EXISTING LONGITUDINAL REINFORCEMENT SPACING;  $\pm 6\frac{1}{2}$ ".

SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

SUPPORT CHAIRS SHALL BE REQUIRED WHENEVER PATCH LENGTH EXCEEDS 6'-0"

\* EVERY THIRD INTERSECTION MUST BE TIED. WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE REBAR ON TOP, THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR.

\*\* VARIABLES WHERE S<sub>1</sub> AND S<sub>2</sub> ARE 2½" MIN. AND 12" MAX.

FILE NAME =	USER NAME = corcoranlm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CLASS A PATCHING DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(50-5,6,7,8)PP	LASALLE	9	9
CONTRACT NO. 66J03				
ILLINOIS FED. AID PROJECT				