

06-12-2020 LETTING ITEM 040

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 I-57 PP 2020-12	FORD	9	1
		ILLINOIS	CONTRACT NO. 66K91	

**INDEX**

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

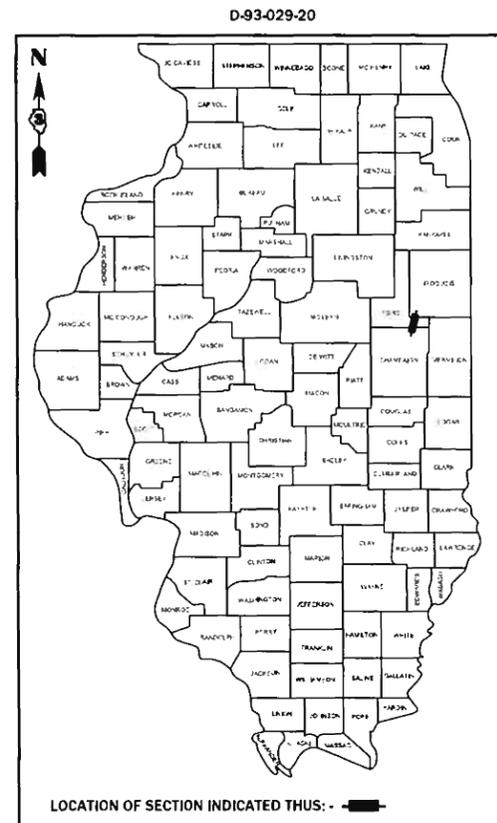
**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

- 000001-07 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-09 PAVEMENT JOINTS
- 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
- 701401-17 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
- 701901-08 TRAFFIC CONTROL DEVICES

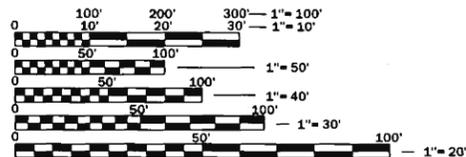
# PROPOSED HIGHWAY PLANS

FAI ROUTE 57 (I-57)  
SECTION D3 I-57 PP 2020-12  
PROJECT  
PAVEMENT PATCHING  
FORD COUNTY

C-93-068-20



FUNCTION CLASSIFICATION  
RURAL INTERSTATE  
2019 ADT = 19500  
P.V. = 65.2% S.U. = 3.0% M.U. = 31.8%

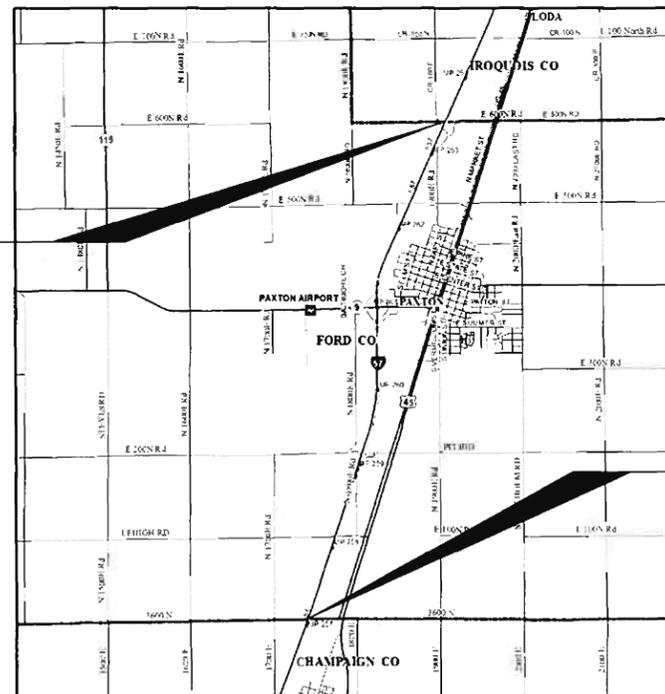


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: BRAD DUNCAN  
UNIT CHIEF: DARCY CARPENTER  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66K91

PROJECT ENDS  
IROQUOIS COUNTY LINE  
MP 263.51



PROJECT BEGINS  
CHAMPAIGN COUNTY LINE  
MP 257.16

GROSS LENGTH = 33,528.0 FT. = 6.35 MILE  
NET LENGTH = 33,528.0 FT. = 6.35 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 24, 2020

*[Signature]*  
REGIONAL ENGINEER

May 8, 2020 *[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020 *[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

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

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: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

DATE: \_\_\_\_\_

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

\_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

\_\_\_\_\_  
DISTRICT OPERATIONS ENGINEER

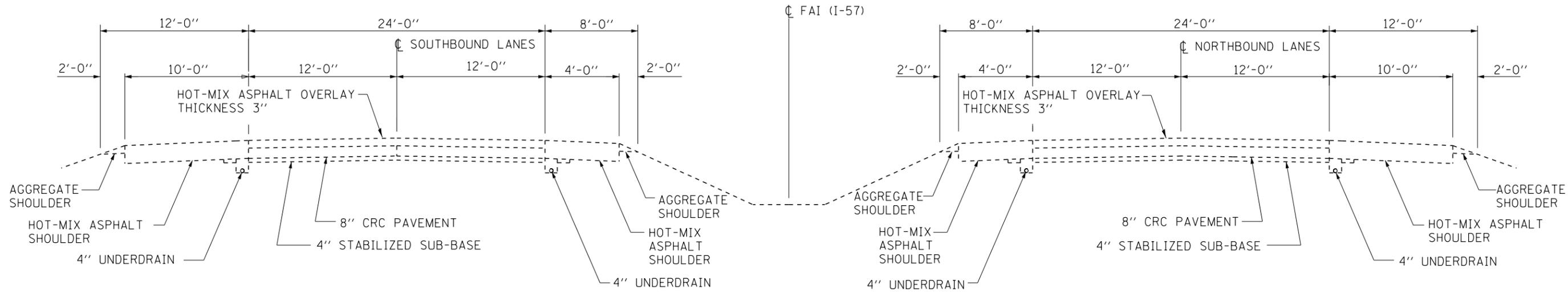
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 I-57 PP 2020-12	FORD	9	2
CONTRACT NO. 66K91				
ILLINOIS FED. AID PROJECT				





**TYPICAL SECTIONS  
M.P. 257.16 TO M.P. 263.51  
FORD COUNTY**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>	
SCALE: _____	SHEET ____ OF ____ SHEETS
STA. _____	TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 I-57 PP 2020-12	FORD	9	4
CONTRACT NO. 66K91				
ILLINOIS FED. AID PROJECT				

LOCATION	NORTHBOUND DRIVING LANE				
	PATCH LENGTH	CLASS A PATCH TYPE II, 11"	PATCH REINF.	SAW CUTS	TIE BARS 3/4"
MILE MARKER	FEET	SQ YD	SQ YD	FOOT	EACH
259.3	6	8	8	36	42
260.3	6	8	8	36	42
260.5	6	8	8	36	42
262.3	6	8	8	36	42
262.6	6	8	8	36	42
TOTAL		40	40	180	210

SCHEDULE - PAVEMENT MARKING NORTHBOUND LANES		
LOCATION	POLYUREA PAVEMENT MARKING TYPE I LINE 4"	POLYUREA PAVEMENT MARKING TYPE I LINE 6"
	FEET	FEET
MILE POST	WHITE (DL)	WHITE (CL)
259.3	6	10
260.3	6	10
260.5	6	10
262.3	6	10
262.6	6	10
TOTAL	30	50

LOCATION	SOUTHBOUND DRIVING LANE				
	PATCH LENGTH	CLASS A PATCH TYPE II, 11"	PATCH REINF.	SAW CUTS	TIE BARS 3/4"
MILE MARKER	FEET	SQ YD	SQ YD	FOOT	EACH
262.9	6	8	8	36	42
262.8	6	8	8	36	42
262.4	6	8	8	36	42
262.1	6	8	8	36	42
261.5	6	8	8	36	42
258.7	6	8	8	36	42
TOTAL		48	48	216	252

SCHEDULE - PAVEMENT MARKING SOUTHBOUND LANES		
LOCATION	POLYUREA PAVEMENT MARKING TYPE I LINE 4"	POLYUREA PAVEMENT MARKING TYPE I LINE 6"
	FEET	FEET
MILE POST	WHITE (DL)	WHITE (CL)
262.9	6	10
262.8	6	10
262.4	6	10
262.1	6	10
261.5	6	10
258.7	6	10
TOTAL	36	60

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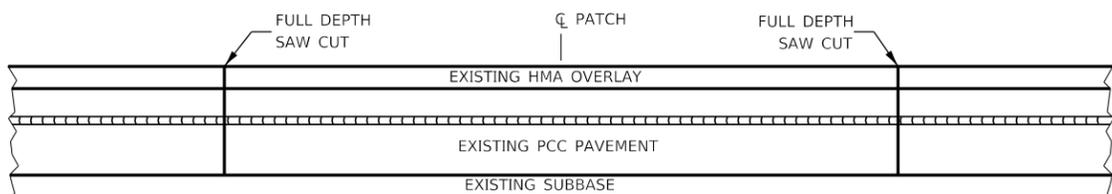
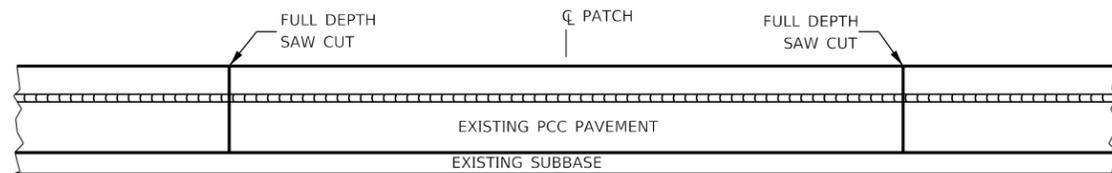
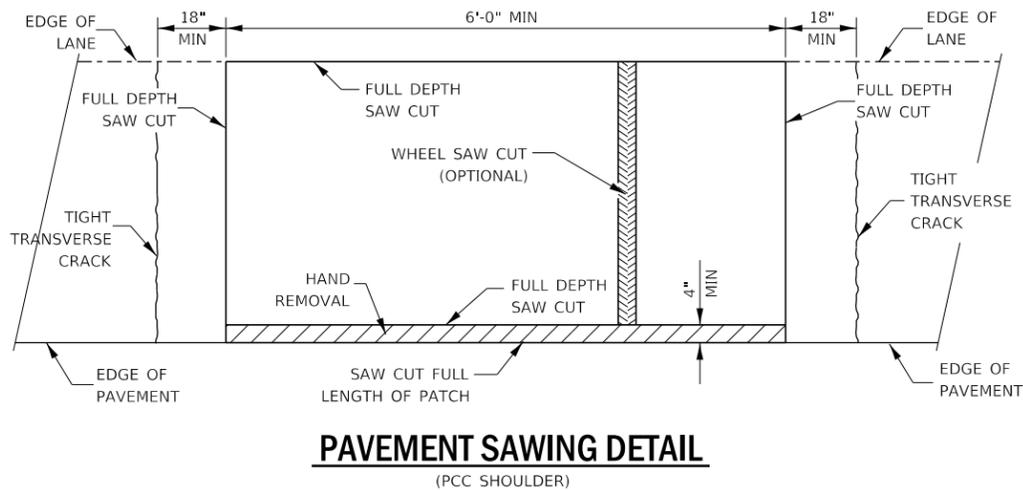
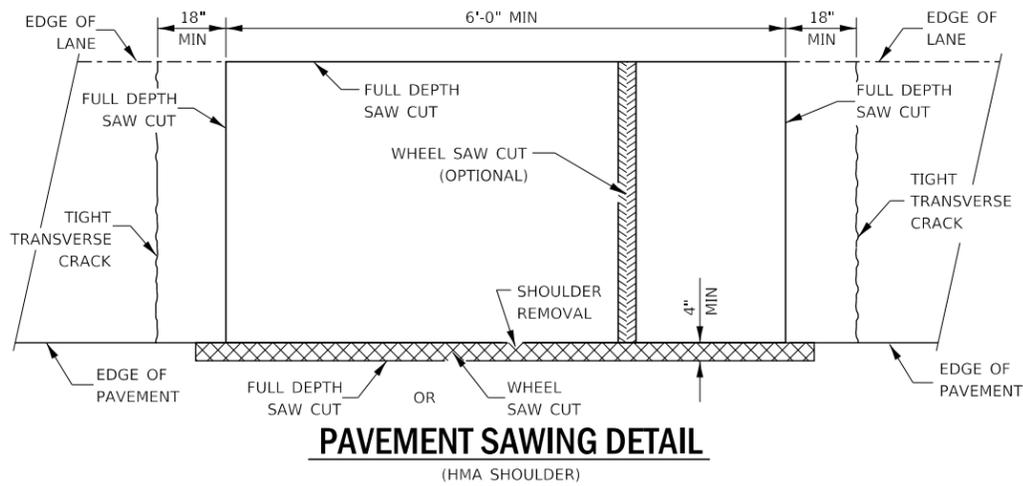
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

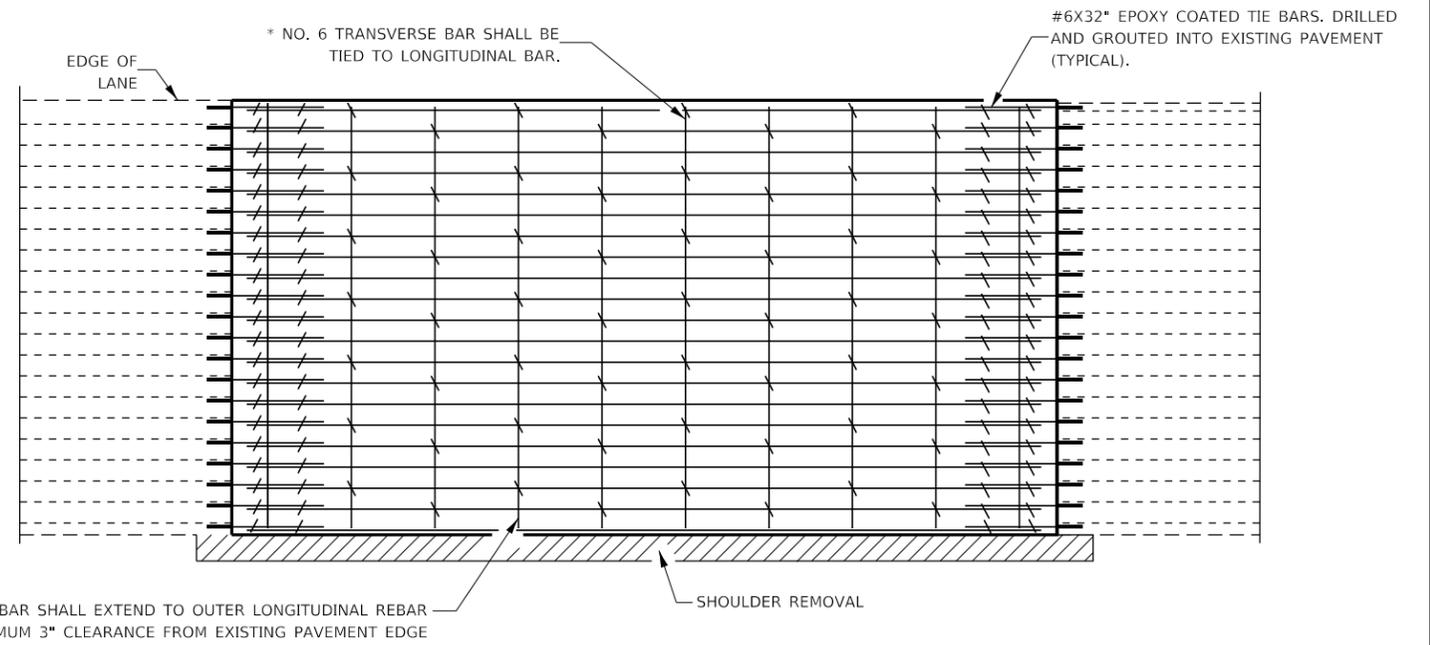
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	D3 I-57 PP 2020-12	FORD	9	5
CONTRACT NO. 66K91				
ILLINOIS FED. AID PROJECT				



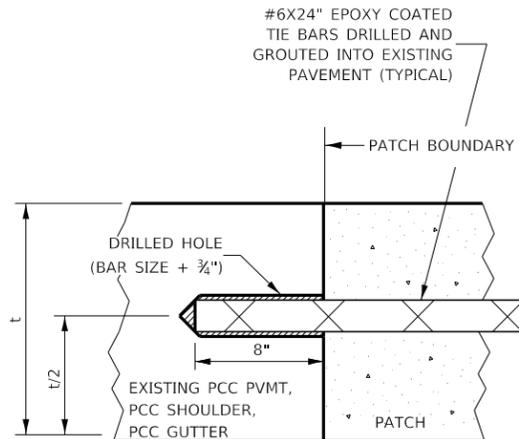


**PAVEMENT SAWING DETAIL FOR CLASS A PATCHING (CRC PAVEMENT)**



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.

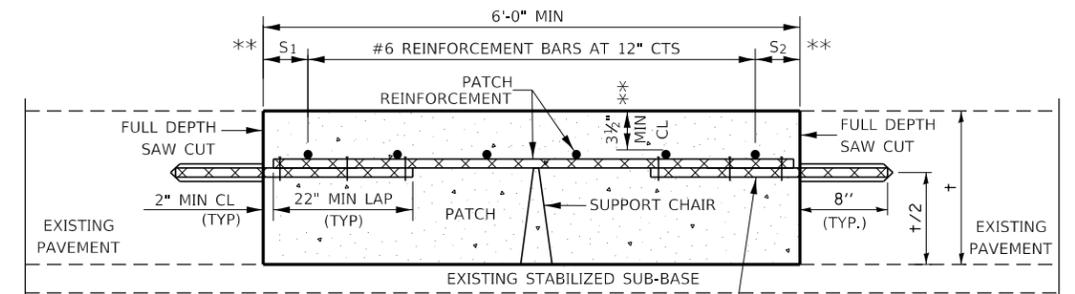
**NOTES:**

EXISTING LONGITUDINAL REINFORCEMENT SPACING; ±6".

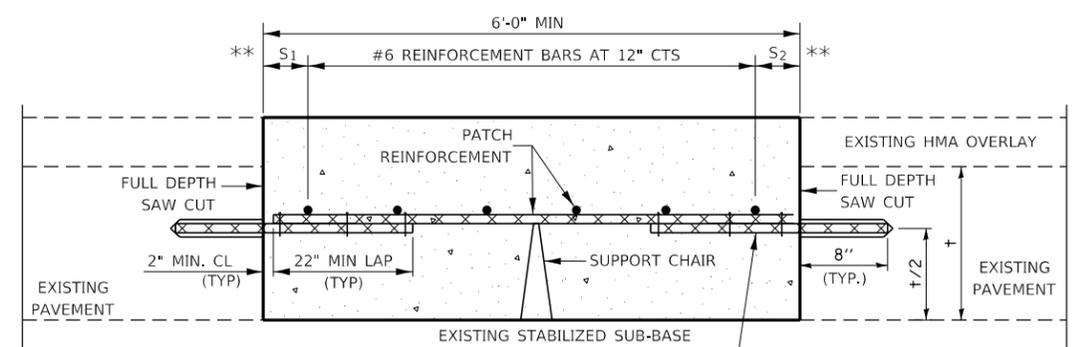
SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

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.

\*\* VARIABLE: 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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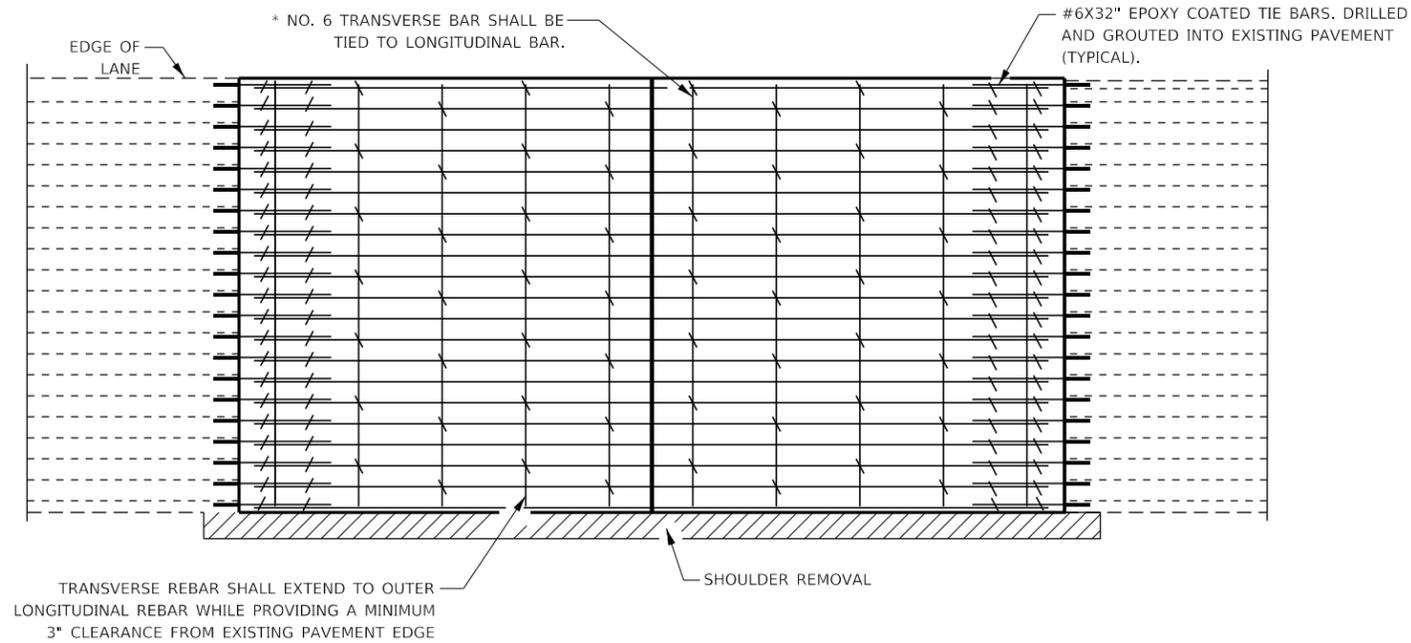
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

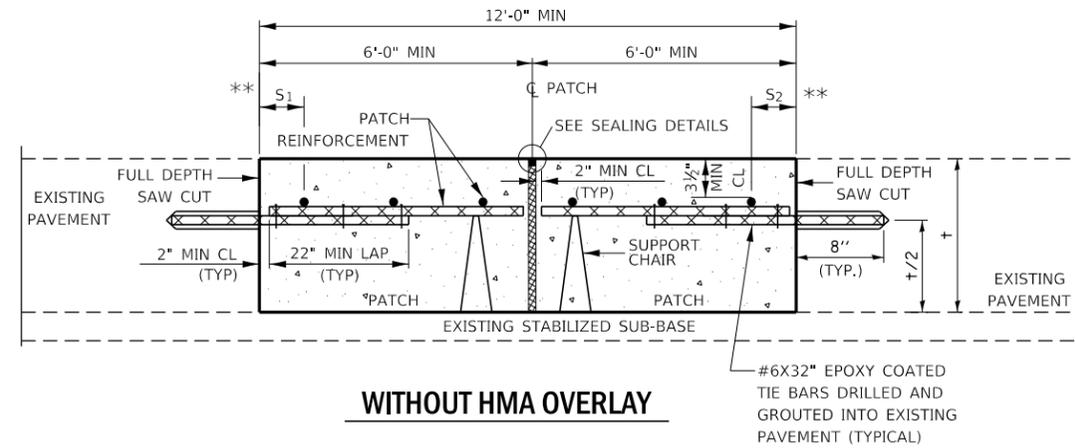
**CLASS A PATCHING DETAILS**

SCALE: \_\_\_\_\_ SHEET \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

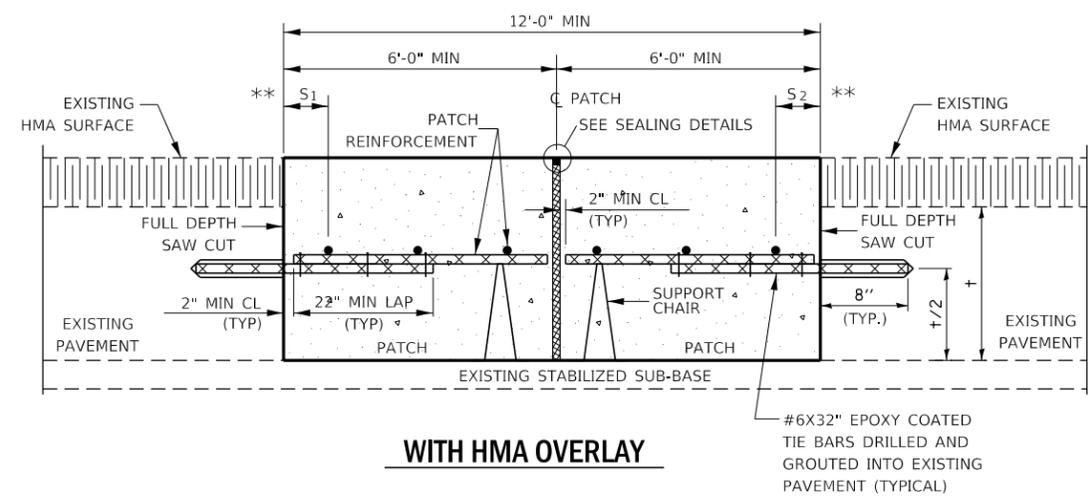
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57	D3 I-57 PP 2020-12	FORD	9	7
CONTRACT NO. 66K91				
ILLINOIS FED. AID PROJECT				



**PAVEMENT REINFORCEMENT DETAIL**

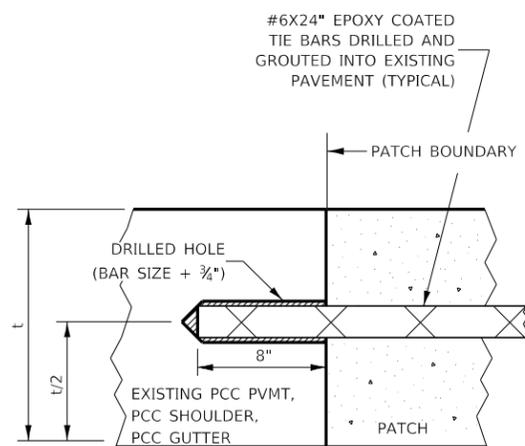


**WITHOUT HMA OVERLAY**



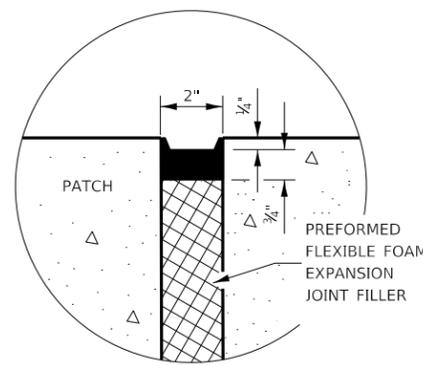
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**CLASS A PATCH WITH EXPANSION JOINT**

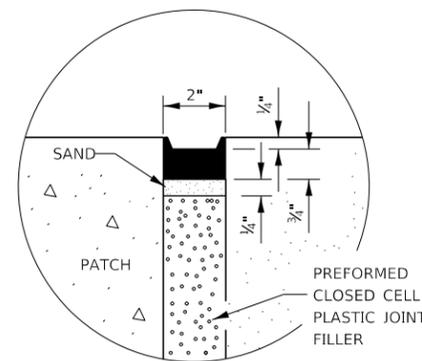


**LONGITUDINAL CONSTRUCTION JOINT**

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; ±6".

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.

\* 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.

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

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PLOT DATE = 3/23/2020	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.
57	D3 I-57 PP 2020-12	FORD	9	8
			CONTRACT NO. 66K91	
		ILLINOIS FED. AID PROJECT		

