

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

IL 3 (GRANITE PARK DR TO NORTHGATE INDUSTRIAL DR)

LOCATION	IL 3
2023 ADT	14600 (ACTUAL)
2025 ADT	14700 (ESTIMATED)
2045 ADT	16300 (ESTIMATED)
SU %	6.3 %
MU %	11.6 %

IL 3 (W PONTOON RD TO GRANITE PARK DR)

LOCATION	IL 3
2023 ADT	10300 (ACTUAL)
2025 ADT	10400 (ESTIMATED)
2045 ADT	11500 (ESTIMATED)
SU %	7.5 %
MU %	12.6 %

IL 3 (W 20TH ST TO W PONTOON RD)

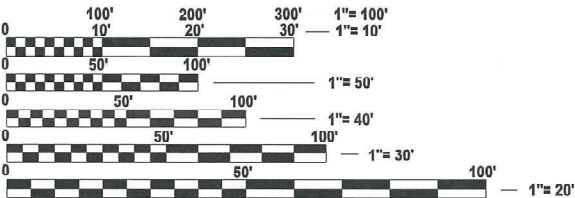
LOCATION	IL 3
2023 ADT	13000 (ACTUAL)
2025 ADT	13100 (ESTIMATED)
2045 ADT	14500 (ESTIMATED)
SU %	5.2 %
MU %	13.8 %

IL 3 (BROADWAY ST TO W 20TH ST)

LOCATION	IL 3
2023 ADT	12000 (ACTUAL)
2025 ADT	12100 (ESTIMATED)
2045 ADT	13400 (ESTIMATED)
SU %	6.9 %
MU %	11.3 %

MAIN STREET (MCKINLEY BRIDGE TO BROADWAY ST)

LOCATION	IL 3
2023 ADT	14300 (ACTUAL)
2025 ADT	14600 (ESTIMATED)
2045 ADT	16100 (ESTIMATED)
SU %	7.6 %
MU %	9.4 %



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: BILLIE OWEN
PROJECT MANAGER: MIKE BERG

CONTRACT NO. 76U26

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FAP ROUTE 2 (IL 3) / FAU ROUTE 9105 (MAIN STREET)
SECTION (103, 104)RS-2, 119RS-1
DESIGNED OVERLAY RESURFACING
MADISON COUNTY

C-98-054-25



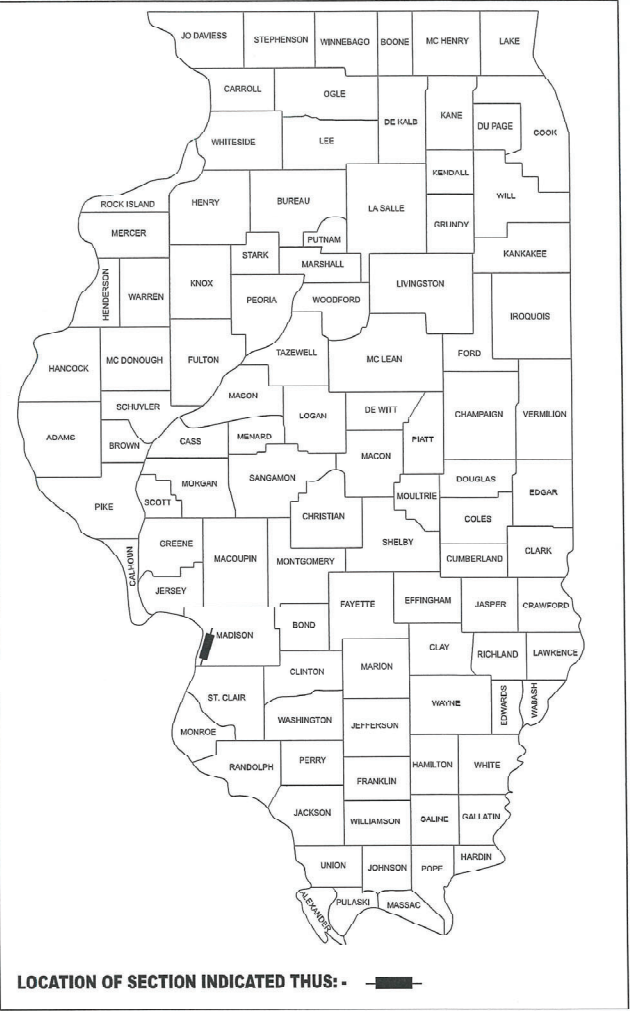
GROSS LENGTH = 34,053 FT. = 6.45 MILE
NET LENGTH = 31,063 FT. = 5.88 MILE



Brandon M. Ratermann, P.E.
ILLINOIS REGISTERED ENGINEER NO. 062-068775
REGISTRATION EXPIRES NOV. 30, 2025
DATE 1/17/2025

F.A. * RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63 *	1
ILLINOIS			CONTRACT NO. 76U26	

* FAP 2/FAU 9105 * 63 + 2 = 65 TOTAL SHEETS



HMG

ENGINEERS

IL PROF DESIGN FIRM 184.000899

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED Feb. 4 20 25
For Review RDM REGIONAL ENGINEER
March 21 20 25
S. E. A. E. E. ENGINEER OF DESIGN AND ENVIRONMENT
March 21 20 25
D. M. P. 5 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
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CONSTRUCTION DETAILS

63A-63B CLASS A PATCHING (SPECIAL)



HIGHWAY STANDARDS

- 000001-08

STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006

DECIMAL OF AN INCH AND OF A FOOT
- 442001-04

CLASS A PATCHES
- 606001-08

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04

PC CONCRETE ISLANDS AND MEDIANS
- 630001-13

STEEL PLATE BEAM GUARDRAIL
- 630301-09

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- 631011-10

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- 631031-18

TRAFFIC BARRIER TERMINAL TYPE 6
- 631033-09

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- 635001-02

DELINEATORS
- 701101-05

OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701422-10

LANE CLOSURE MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >45 MPH TO 55 MPH
- 701426-09

LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
- 701601-09

URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701901-10

TRAFFIC CONTROL DEVICES
- 780001-05

TYPICAL PAVEMENT MARKINGS
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TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS
- 782001-01

CURB REFLECTORS
- 782006-01

GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 886001-01

DETECTOR LOOP INSTALLATIONS
- 886006-01

TYPICAL LAYOUT FOR DETECTION LOOPS

MIX CHART

MIXTURE USE	MAINLINE		TURN LANES < 500 FT	
	POLYMER SURFACE	POLYMER BINDER	POLYMER SURFACE	POLYMER BINDER
AC/PG	SBS PG 70-28	SBS PG 70-28	SBS PG 70-28	SBS PG 70-28
DESIGN AIR VOIDS	4.0% @ NDES = 90	4.0% @ NDES = 90	4.0% @ NDES = 90	4.0% @ NDES = 90
MIX COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 9.5	IL 19.0
FRICTION AGG	MIXTURE "E"	MIXTURE "B"	MIXTURE "E"	MIXTURE "B"
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QC/QA
MAT TRAN DEV REQUIRED?	YES	YES	YES	YES

MIXTURE USE	SHOULDER > 8 FEET WIDE		SHOULDER ≤ 8 FEET WIDE	
	SHOULDER (LOWER)	SHOULDER (SURFACE)	SHOULDER (LOWER)	SHOULDER (SURFACE)
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ NDES = 30	4.0% @ NDES = 30	4.0% @ NDES = 30	4.0% @ NDES = 30
MIX COMPOSITION (GRADATION)	IL 19.0L	IL 9.5L	IL 19.0L	IL 9.5L
FRICTION AGG				
QUALITY MGMT PROGRAM	QCP	QCP	QC/QA	QC/QA
MAT TRAN DEV REQUIRED?	NO	NO	NO	NO

PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD /IN (59.8 KG/SQ M/25 MM THICKNESS). ANY QCP PAY ITEM THAT HAS A QUANTITY OF 1600 TONS OR LESS WILL HAVE TWO SUBLOTS EACH OF WHICH WILL BE HALF OF THE PLAN QUANTITY OR HALF OF THE ADJUSTED QUANTITY BY THE RESIDENT ENGINEER / TECHNICIAN.

COMMITMENTS

NONE

GENERAL NOTES

1. UTILITIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREAARE AS FOLLOWS:

AMEREN ILLINOIS
AT&T ILLINOIS
BLUEBIRD NETWORK
BUCKEYE PARTNERS L.P.--WOOD RIVER PIPELINE
CHARTER COMMUNICATIONS
CLEARWAVE FIBER
CONSOLIDATED COMMUNICATIONS
EVERSTREAM GLC HOLDING COMPANY LLC
EXPLORER PIPELINE COMPANY
CITY OF GRANITE CITY
ILLINOIS AMERICAN WATER COMPANY
LEVEL 3 COMMUNICATIONS
CITY OF MADISON
MADISON COUNTY
VERIZON BUSINESS
METRO EAST SANITARY DISTRICT
SHO-ME TECHNOLOGIES
SPIRE EAST
SPRINT
ZAYO GROUP LLC

2. NO SURVEY WAS PERFORMED FOR THIS PROJECT AND THE PLANS WERE CREATED USING MICROFILM. THEREFORE, STATIONING USED IS CONSIDERED APPROXIMATE ONLY. SPECIFIC LOCATIONS OF WORK (EXAMPLE: PATCHING, DETECTOR LOOPS) SHALL BE COORDINATED BETWEEN THE CONTRACTOR AND RESIDENT ENGINEER DURING CONSTRUCTION.

3. THE PROPOSED PAVEMENT MARKING SHALL MATCH THE LOCATION OF THE EXISTING PAVEMENT MARKING, AS DIRECTED BY THE ENGINEER, UNLESS SPECIFIED OTHERWISE IN THE PAVEMENT MARKING DETAILS.

4. FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HMA SURFACE & BINDER COURSE 112 LBS./SQ. YD./IN
BITUMINOUS MATERIALS(TACK COAT) 0.05 LBS./SQ.FT. (MILLED HMA)
BITUMINOUS MATERIALS(TACK COAT) 0.025 LBS./SQ.FT. (NEW HMA)
AGGREGATE SHOULDER 2.1 TONS/CY

5. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN, AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN, AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

6. THE INTENT OF THE MILLING IS TO REMOVE THE HMA RESURFACING ONLY. THE UNDERLYING CONCRETE PAVEMENT SHALL NOT BE DISTURBED.

7. THE CONTRACTOR SHOULD BE ADVISED THAT IDOT CONTRACT 76U19 (PATCHING ON IL 3) WILL BE UNDER CONSTRUCTION AT OR AROUND THE TIME OF LETTING OF THIS PROJECT. CONSTRUCTION OF THIS PROJECT SHALL NOT COMMENCE UNTIL CONTRACT 76U19 IS COMPLETED.

8. ONLY SHORT TERM PAVEMENT MARKING REMOVAL FROM THE FINAL SURFACE SHALL BE PAID FOR AS "SHORT TERM PAVEMENT MARKING REMOVAL".

9. ALL REMOVED GUARDRAIL COMPONENTS ARE THE PROPERTY OF THE CONTRACTOR, AND THE SALVAGE VALUE OF SAID COMPONENTS SHALL BE REFLECTED IN THE CONTRACTOR'S BID.

10. CHANGEABLE MESSAGE SIGNS SHALL BE REQUIRED FOR THIS PROJECT. THEY SHALL BE PLACED 2 WEEKS PRIOR TO ANY LANE CLOSURE AND SHALL REMAIN FOR THE DURATION OF THE PROJECT. THE MESSAGE SIGNS SHALL BE PLACED ALONG IL ROUTE 3 (ONE ON EACH END OF THE PROJECT LIMITS), (1) ON BROADWAY, (2) ON PONTOON ROAD, (1) ON ROCK ROAD, AND (1) ON MISSOURI AVENUE.

11. ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.

12. ALL CURB, CURB AND GUTTER, AND MEDIAN REPLACEMENTS SHALL BE COMPLETED PRIOR TO THE HMA SURFACE BEING PLACED.

13. THE CONTRACTOR SHALL PROVIDE POSITIVE AND ADEQUATE DRAINAGE AT ALL TIMES.

14. TRAFFIC SHALL NOT BE ALLOWED ON MILLED SURFACE, EXCEPT TO CROSS AT SIDE ROADS. BINDER MUST BE PLACED PRIOR TO ALLOWING TRAFFIC TO UTILIZE THE TRAFFIC LANE.



15. THE EDGES OF PROPOSED PATCHES AT NORTHGATE INDUSTRIAL DRIVE, GRANITE PARK DRIVE, ROCK ROAD, NIEDRINGHAUS AVENUE, BISSELL STREET, AND BROADWAY THAT ARE ADJACENT TO PCC PAVEMENT SHALL BE CONSTRUCTED AT AN ELEVATION THAT ALLOWS FOR THE FULL THICKNESS OF HMA RESURFACING TO BE PLACED. WHERE INTERSECTIONS ARE NOT BEING PATCHED, MAINLINE MILLING AND RESURFACING THICKNESSES SHALL BE ADJUSTED TO MEET THE EXISTING ELEVATIONS OF ADJACENT PCC ENTRANCES AND SIDEROADS.



REVISED 4-14-2025

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PLOT DATE = 2/5/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES,
MIX CHART AND COMMITMENTS

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63	2
		CONTRACT NO. 76U26		
ILLINOIS / FED. AID PROJECT				

* FAP 2/FAU 9105

MODEL: SQQ [Sheet]
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				100% STATE	
				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 2	FAU 9105
				ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	141909	131611	10298
40600370	LONGITUDINAL JOINT SEALANT	FOOT	92287	85381	6906
40600405	MATERIAL TRANSFER DEVICE	TON	44151	40946	3205
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	4820	4492	328
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	1683	1683	
40600990	TEMPORARY RAMP	SQ YD	2191	1920	271
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	26491	24568	1923
40604174	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	17660	16378	1282
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	301595	284224	17371
44200537	CLASS A PATCHES, TYPE I, 9 INCH	SQ YD	8	8	
X4420543	CLASS A PATCHES, TYPE I, 9 INCH (SPECIAL)	SQ YD	8	8	
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	198	187	11
X4420545	CLASS A PATCHES, TYPE II, 9 INCH (SPECIAL)	SQ YD	198	187	11
44200545	CLASS A PATCHES, TYPE III, 9 INCH	SQ YD	106	106	
X4420547	CLASS A PATCHES, TYPE III, 9 INCH (SPECIAL)	SQ YD	106	106	
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	25400	25400	
X4420549	CLASS A PATCHES, TYPE IV, 9 INCH (SPECIAL)	SQ YD	25400	25400	
44213000	PATCHING REINFORCEMENT	SQ YD	25712	25701	11

* SPECIALTY ITEM

				100% STATE	
				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 2	FAU 9105
				ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
44213200	SAW CUTS	FOOT	61330	61258	72
44213204	TIE BARS 3/4"	EACH	6075	6067	8
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1030	1030	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3977	3836	141
48203100	HOT-MIX ASPHALT SHOULDERS	TON	19030	18586	444
60260100	INLETS TO BE ADJUSTED	EACH	21	21	
60603500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.06	FOOT	62	62	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	99	99	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	882	882	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	7850	7287.5	562.5
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7	6	1
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3	3	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	7	1
63200310	GUARDRAIL REMOVAL	FOOT	8647	8037	610
63500105	DELINEATORS	EACH	16	9	7

* SPECIALTY ITEM



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63	3
CONT RACTNO. 76U26				
ILLINOIS FED. AID PROJECT				

* FAP 2/FAU 9105

1 REVISD 4-9-2025

MODEL: SQO-2 [Sheet]
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				100% STATE	
				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 2	FAU 9105
				ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	
70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	2100	1800	300
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4996	4660	336
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1691	1573	118
70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	878	722	156
70300241	TEMPORARY PAVEMENT MARKING - LINE 6"- PAINT	FOOT	149780	140948	8832
70300251	TEMPORARY PAVEMENT MARKING - LINE 8"- PAINT	FOOT	2744	1825	919
70300261	TEMPORARY PAVEMENT MARKING - LINE 12"- PAINT	FOOT	2009	985	1024
70300281	TEMPORARY PAVEMENT MARKING - LINE 24"- PAINT	FOOT	667	545	122
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	7	1
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	878	722	156
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	149780	140948	8832

* SPECIALTY ITEM

				100% STATE	
				CONSTRUCTION CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAP 2	FAU 9105
				ROADWAY	ROADWAY
				0005	0005
				URBAN	URBAN
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	2744	1825	919
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2009	985	1024
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	667	545	122
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1158	1068	90
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	218	211	7
* 78200020	CURB REFLECTORS	EACH	22	22	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1158	1068	90
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	80941	74488	6453
* X6311217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	6	6	
* X8860105	DETECTOR LOOP REPLACEMENT	FOOT	8467	8467	
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	4000	4000	
* Z0036200	PAINT CURB	FOOT	1239	1114	125

* SPECIALTY ITEM

Ø 0042

△ REVISED 4-10-2025

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PLOT DATE = 1/30/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63	4
CONTRACT NO. 76U26				
ILLINOIS FED. AID PROJECT				

* FAP 2/FAU 9105

MODEL: Schedules-3 [Sheet]
FILE NAME: H:\8066_DOT_Dist8_PT B194_059\8066_190_WO19_IL Route3\CAD_Sheets\0876\26-ajt-schedules.dgn



USER NAME	= tkruop
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DESIGNED	- 4/4/25
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REVISD	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUANTITY
SCHEDULES

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63	20
CONT RACTNO. 76U26				
ILLINOIS FED. AID PROJECT				

* FAP 2/FAU 9105

PAVEMENT PATCHING SCHEDULE

PATCH	MILE MARKER	STATION	DIRECTION	LANE	LENGTH (FOOT)	WIDTH (FOOT)	CLASS A PATCHES (SPECIAL)				PATCHING REINFORCEMENT (SQ YD)	TIE BARS 3/4" (EACH)	SAW CUTS (FOOT)
							TYPE I 9" (SQ YD)	TYPE II 9" (SQ YD)	TYPE III 9" (SQ YD)	TYPE IV 9" (SQ YD)			
1	6.04	1445+89	NB	DL	4	12		5.3			5.3	4	36.0
2	6.04	1445+89	NB	PL	4	12		5.3			5.3	2	36.0
3	6.02	1446+94	NB	DL	4	12		5.3			5.3	4	36.0
4	6.02	1446+94	NB	PL	4	12		5.3			5.3	2	36.0
5	6.00	1448+00	NB	PL	6	12		8.0			8.0	6	42.0
6	5.95	1450+64	NB	DL	4	12		5.3			5.3	4	36.0
7	5.95	1450+64	NB	PL	4	12		5.3			5.3	2	36.0
8	5.85	1455+92	NB	PL	6	6	4.0				4.0	6	30.0
9	5.80	1458+56	NB	PL	15	6		10.0			10.0	14	57.0
10	5.75	1461+20	SB	DL	6	12		8.0			8.0	6	42.0
11	5.73	1462+26	NB	DL	10	6		6.7			6.7	8	42.0
12	5.73	1462+26	NB	ON RAMP	10	6		6.7			6.7	8	42.0
13	4.73	1515+06	SB	DL	6	12		8.0			8.0	6	42.0
14	4.70	1516+64	SB	DL	8	12		10.7			10.7	6	48.0
15	3.95	1556+24	NB	PL	6	12		8.0			8.0	6	42.0
16	3.85	1561+52	SB	DL	5	12		6.7			6.7	4	39.0
17	3.62	1573+66	SB	DL	15	6		10.0			10.0	12	57.0
18	3.33	1588+98	NB	DL	4	12		5.3			5.3	4	36.0
19	3.25	1593+20	NB	DL	6	6	4.0				4.0	6	30.0
20	3.20	1595+84	NB	PL	8	12		10.7			10.7	6	48.0
21	3.11	1600+59	NB	DL	20	6		8.0			8.0	6	42.0
22	3.10	1601+12	NB	DL	20	6		13.3			13.3	18	78.0
23	3.05	1603+76	SB	DL	5	12		6.7			6.7	4	39.0
24	3.05	1603+76	SB	PL	5	12		6.7			6.7	2	39.0
25	2.55	1630+16	SB	LT TURN	15	6		10.0			10.0	12	57.0
26	2.25	1646+00	NB	PL	4	12		5.3			5.3	4	36.0
27	1.09	1707+25	NB	DL	25	12				33.3	33.3	9	123.0
28	1.09	1707+25	NB	ML	25	12				33.3	33.3	18	123.0
29	1.09	1707+25	NB	PL	25	12				33.3	33.3	9	123.0
30	1.08	1707+78	NB	ML	25	6			16.7		16.7	18	99.0
31	1.05	1709+36	NB	ML	50	6				33.3	33.3	34	186.0
32	0.80	1722+56	NB	DL	30	6			20.0		20.0	22	114.0
33	0.70	1727+84	SB	DL	110	12				146.7	146.7	74	474.0
34	0.60	1733+12	SB	PL	30	12				40.0	40.0	22	138.0
35	0.57	1734+70	SB	DL	80	12				106.7	106.7	54	348.0
36	0.57	1734+70	SB	PL	30	6			20.0		20.0	22	114.0
37	0.55	1735+76	NB	DL	12	12			16.0		16.0	10	60.0
38	0.55	1735+76	SB	PL	50	6				33.3	33.3	34	186.0
39	0.45	1741+04	NB	DL	30	12				40.0	40.0	22	138.0
40	0.45	1741+04	SB	DL	30	12				40.0	40.0	22	138.0
41	0.44	1741+57	NB	PL	25	6			16.7		16.7	18	99.0
42	0.43	1742+10	NB	DL	30	12				40.0	40.0	22	138.0
43	0.43	1742+10	NB	PL	20	12				26.7	26.7	8	96.0
44	0.40	1743+68	NB	OUT SHLD	6	10		6.7			6.7	6	38.0
45	0.40	1743+68	SB	DL	12	12			16.0		16.0	10	60.0
46	0.32	1747+90	NB	DL	4	12		5.3			5.3	4	36.0
47	0.30	1748+96	NB	DL	4	12		5.3			5.3	4	36.0
INTERSECTION PATCHING													
NORTHGATE INDUSTRIAL DRIVE													
48	1427+23.67	1432+23.67	NB	ALL	500	VARIES				1811.6	1811.6	306	3483.1
49	1427+23.67	1432+23.67	SB	ALL	500	24				1480.8	1480.8	335	3017.6
GRANITE PARK DRIVE													
50	1462+31.96	1465+22.21	NB	ALL	290	VARIES				1273.3	1273.3	254	3118.9
51	1462+31.96	1465+22.21	SB	ALL	290	VARIES				1126.3	1126.3	306	3288.8
ROCK ROAD													
52	1578+93.47	1585+71.63	NB	ALL	678	VARIES				2358.6	2358.6	495	5280.0
53	1578+93.47	1585+71.63	SB	ALL	679	VARIES				2305.6	2305.6	465	5055.9
NIEDRINGHAUS AVENUE													
54	1631+86.51	1637+48.56	NB	ALL	562	VARIES				3211.9	3211.9	691	7099.0
55	1631+86.51	1637+48.56	SB	ALL	562	VARIES				2624.2	2624.2	647	6430.9
BISSELL STREET													
56	1711+95.55	1717+55.33	NB	ALL	560	VARIES				2729.0	2729.0	687	6815.1
57	1711+95.55	1717+55.33	SB	ALL	560	VARIES				3006.5	3006.5	690	6853.8
BROADWAY													
58	1744+00.00	1747+06.85	NB	ALL	307	VARIES				1318.2	1318.2	331	3211.2
59	1744+00.00	1747+06.85	SB	ALL	307	VARIES				1547.3	1547.3	264	2956.0
TOTAL							8	198	105	25,400	25,712	6,075	60,581

REVISED 4-9-2025

MODEL: Details [Sheet]
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DESIGNED	- EMV
DRAWN	- TAK
CHECKED	- BMR
PLOT DATE	= 1/17/2025

DESIGNED	- EMV
DRAWN	- TAK
CHECKED	- BMR
DATE	-

REVISED	-
REVISED	-
REVISED	-
REVISED	-

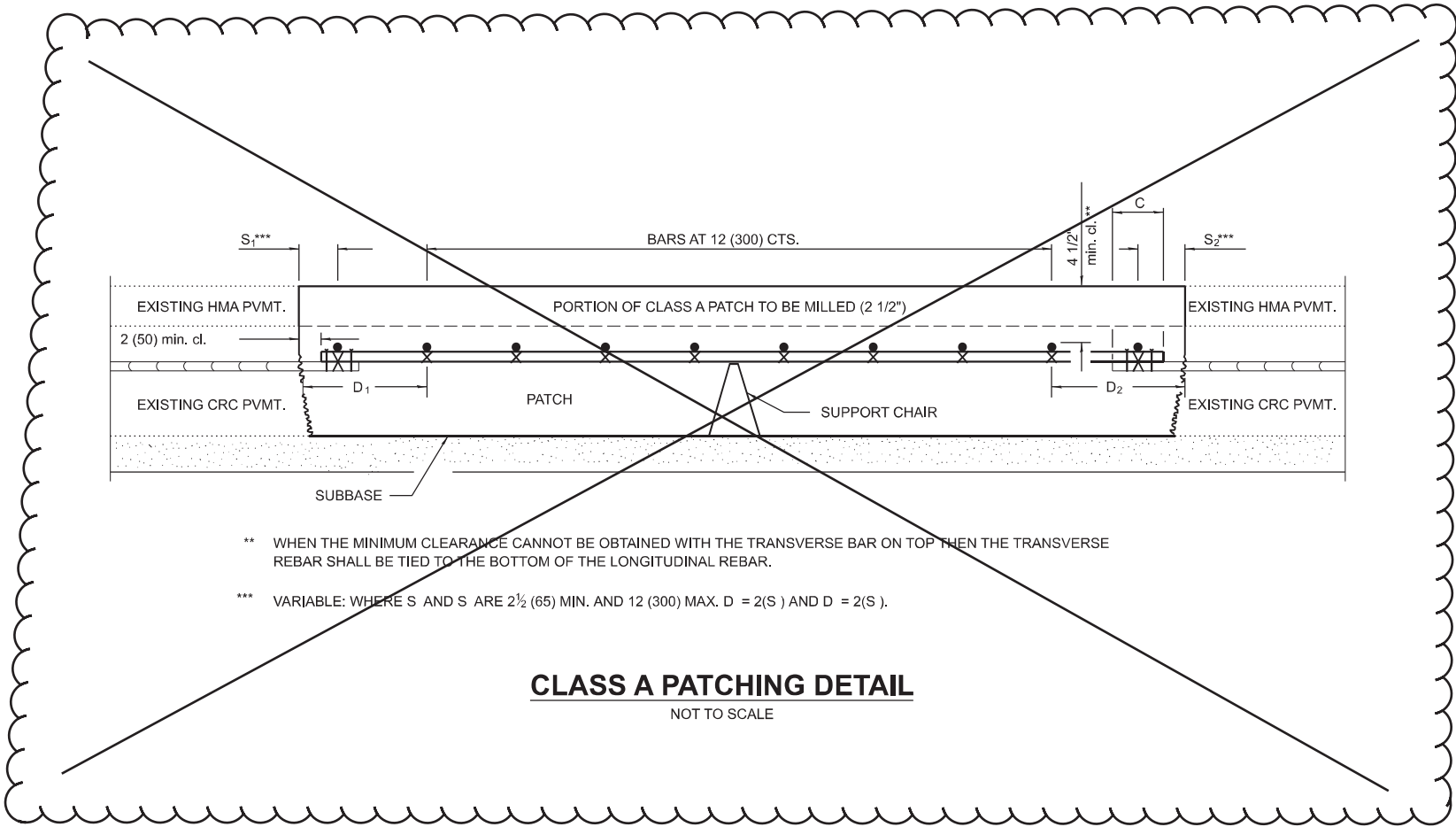
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONSTRUCTION
DETAILS

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

F.A.* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103, 104)RS-2, 119RS-1	MADISON	63	63
CONTRACT NO. 76U26				
ILLINOIS FED. AID PROJECT				

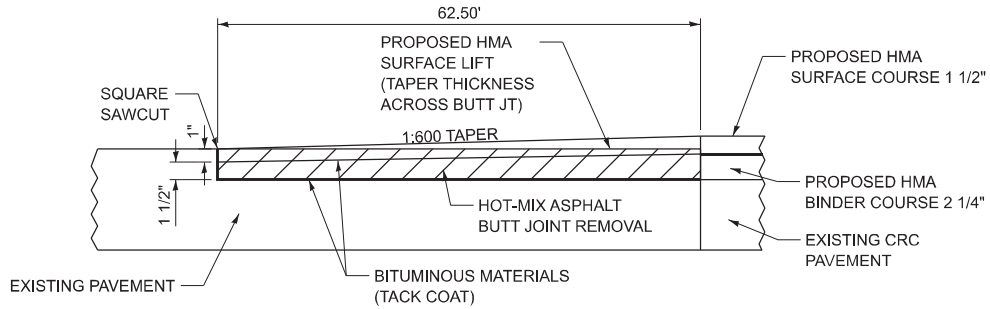
* FAP 2/FAU 9105



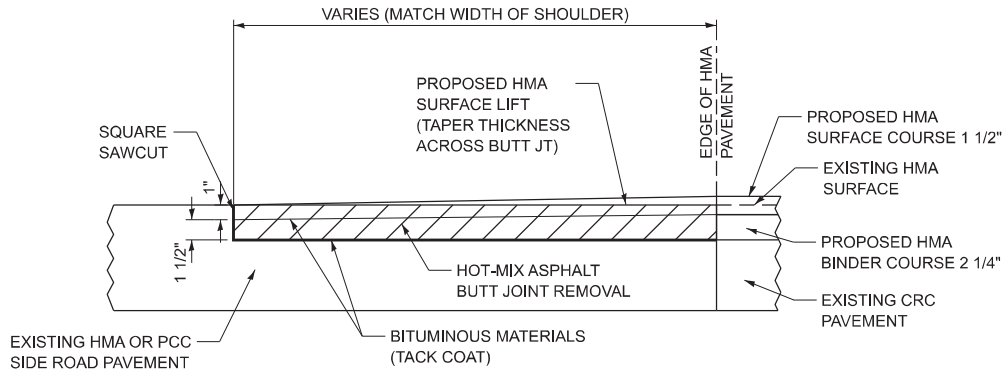
** WHEN THE MINIMUM CLEARANCE CANNOT BE OBTAINED WITH THE TRANSVERSE BAR ON TOP THEN THE TRANSVERSE REBAR SHALL BE TIED TO THE BOTTOM OF THE LONGITUDINAL REBAR.

*** VARIABLE: WHERE S AND S ARE 2½ (65) MIN. AND 12 (300) MAX. D = 2(S) AND D = 2(S).

CLASS A PATCHING DETAIL
NOT TO SCALE



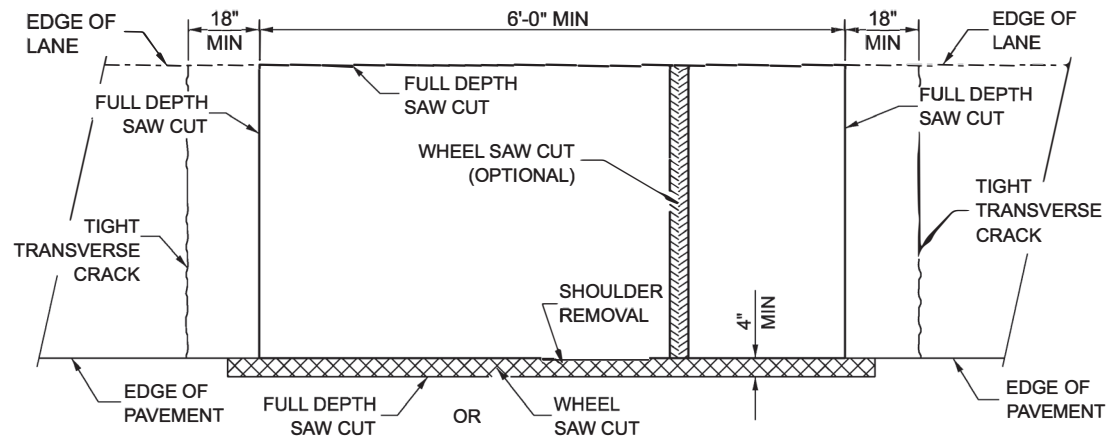
MAINLINE SURFACE TRANSITION



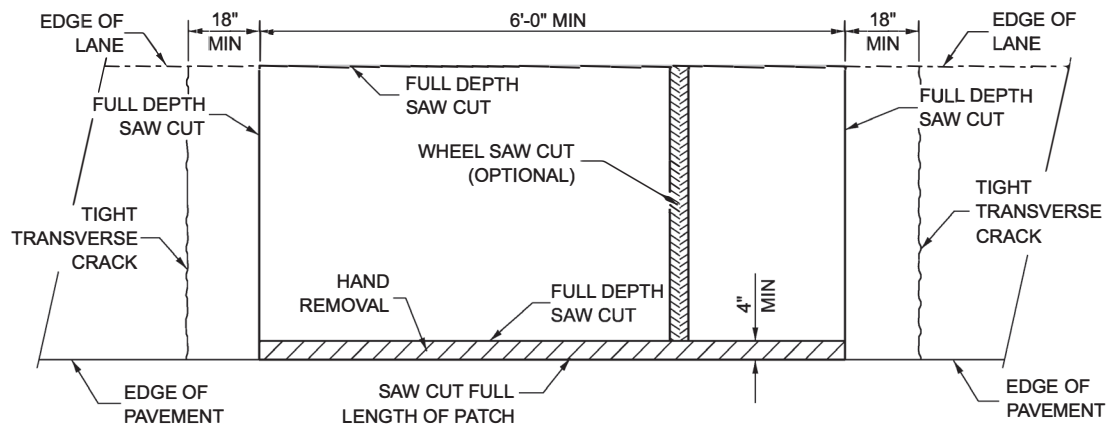
SIDE ROAD SURFACE TRANSITION

TRANSITION DETAIL
NOT TO SCALE

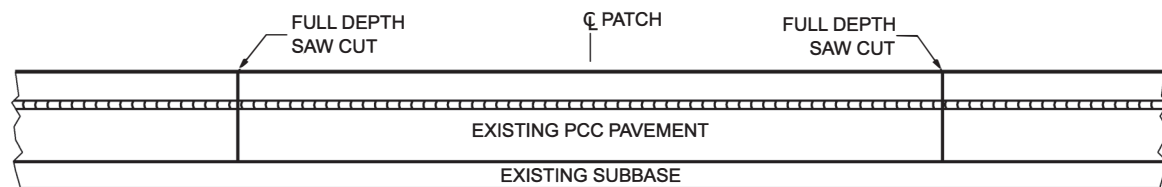
1 REVISED 4-9-2025



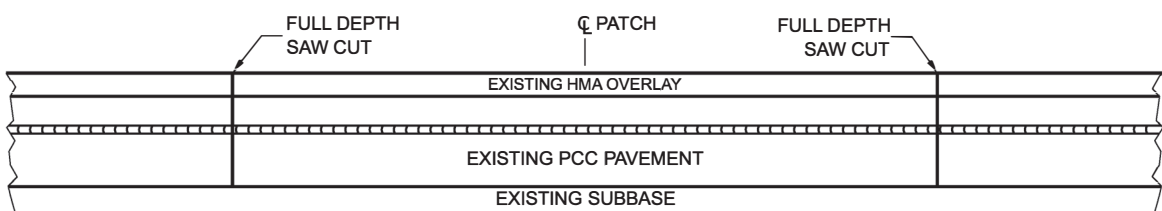
**PAVEMENT SAWING DETAIL
(HMA SHOULDER)**



**PAVEMENT SAWING DETAIL
(PCC SHOULDER)**

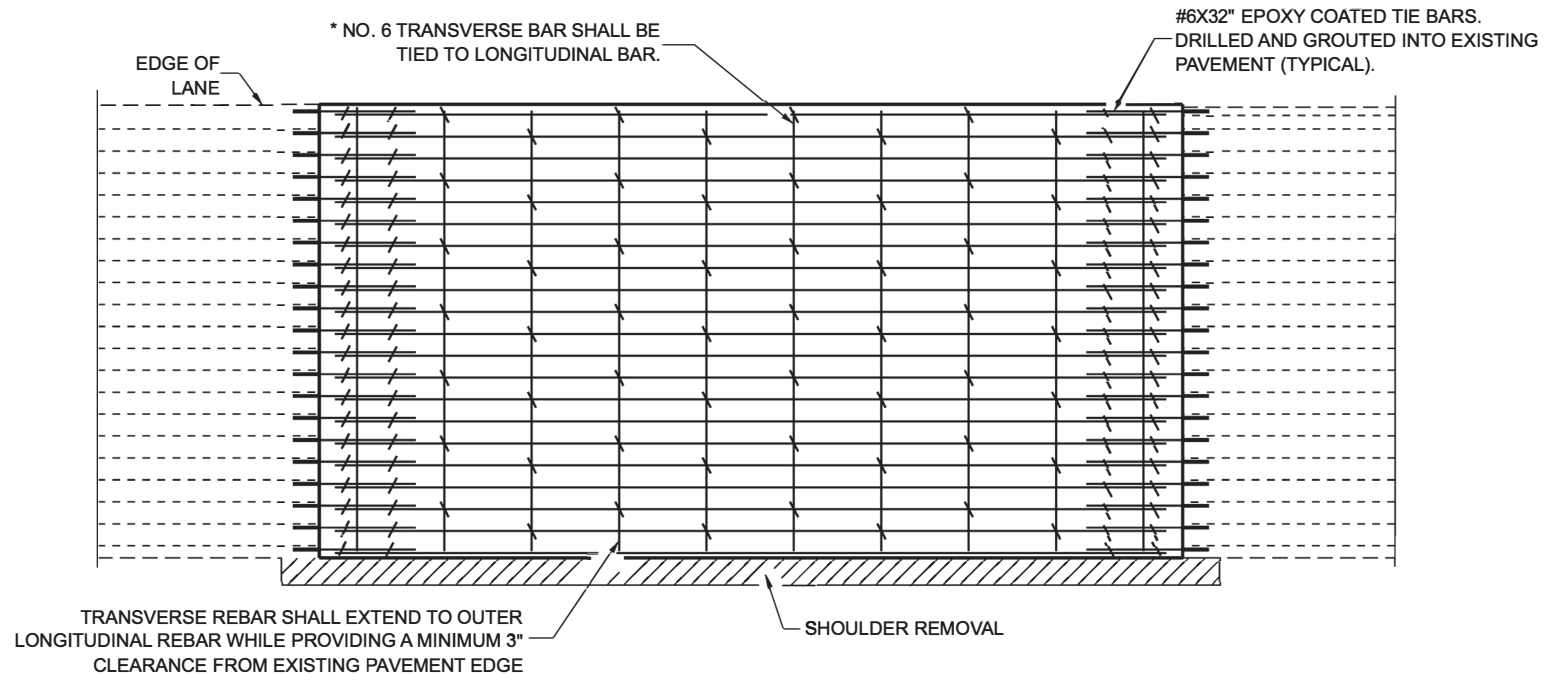


EXISTING PAVEMENT WITHOUT HMA SURFACE

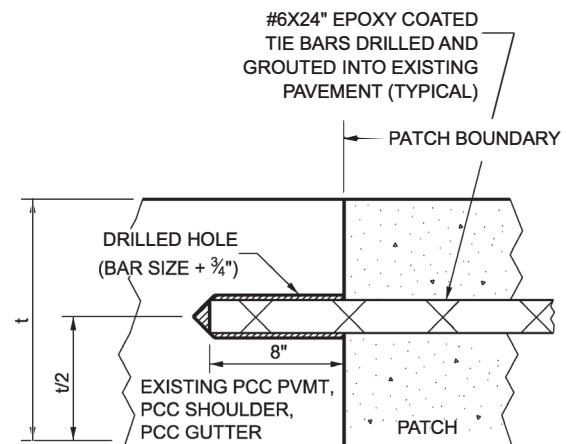


EXISTING PAVEMENT WITH HMA SURFACE

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



PAVEMENT REINFORCEMENT DETAIL



LONGITUDINAL CONSTRUCTION JOINT

NOTES:

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

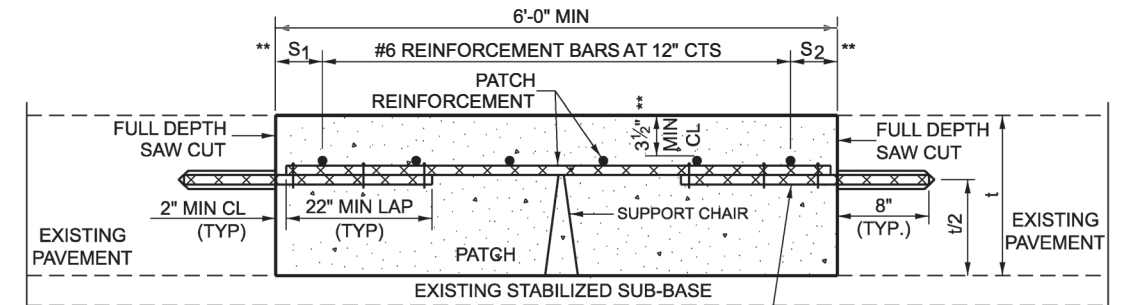
SPACING OF NEW LONGITUDINAL REINFORCEMENT AND NEW LONGITUDINAL TIE BARS SHALL MATCH SPACING OF EXISTING REINFORCEMENT AND SHALL BE TIED TOGETHER WITH A MINIMUM OF TWO TIES PER BAR.

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

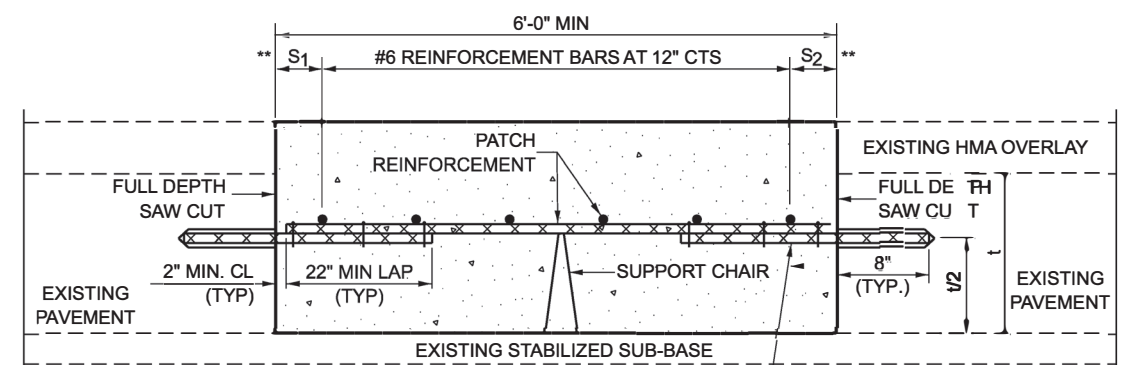
PATCHES GREATER THAN 20 FEET IN LENGTH SHALL REQUIRE AN ADDITIONAL TRANSVERSE SAW CUT EVERY 10 FEET.

*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_1 AND S_2 ARE $2\frac{1}{2}$ " MIN. AND 12" MAX.



WITHOUT HMA OVERLAY



WITH HMA OVERLAY

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

MODEL: Detail 1 [Sheet]
FILE NAME: c:\pwworking\robert.hughes@illinois.gov\d1050858\0876\26-sh-detailed.dgn

USER NAME	= Robert.Hughes	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/13/2025	DATE	-	REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

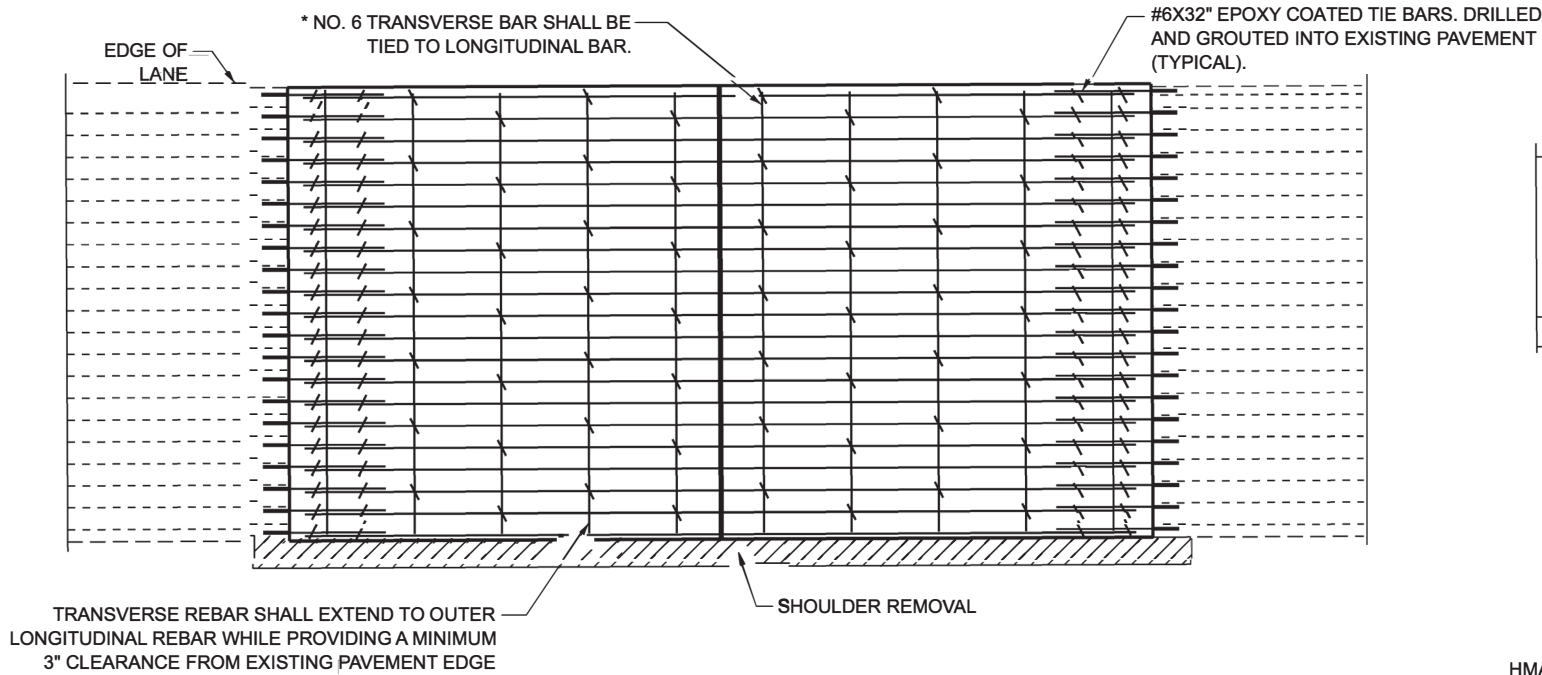
CLASS A PATCHING (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

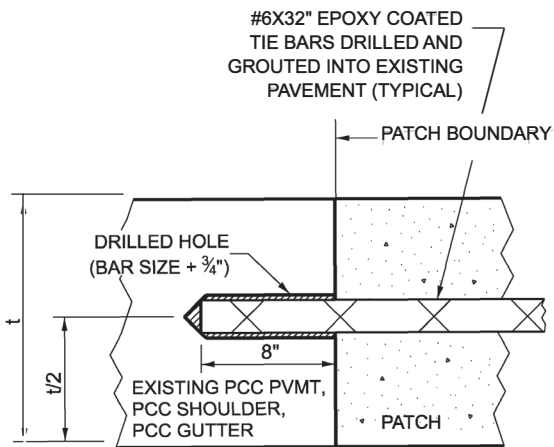
FA* RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103,104)RS-2, 119RS-1	MADISON	63	63A
CONTRACT NO. 76U26				
ILLINOIS FED. AID PROJECT				

*FAP 2/FAU 9105

SHEET ADDED 4-9-2025

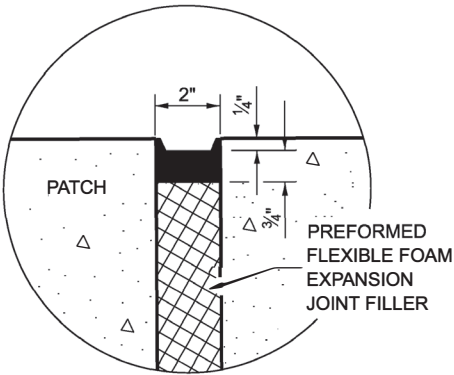


PAVEMENT REINFORCEMENT DETAIL

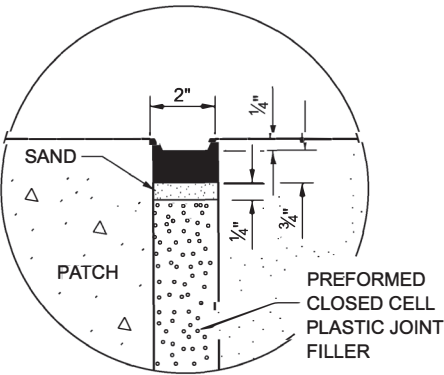


LONGITUDINAL CONSTRUCTION JOINT

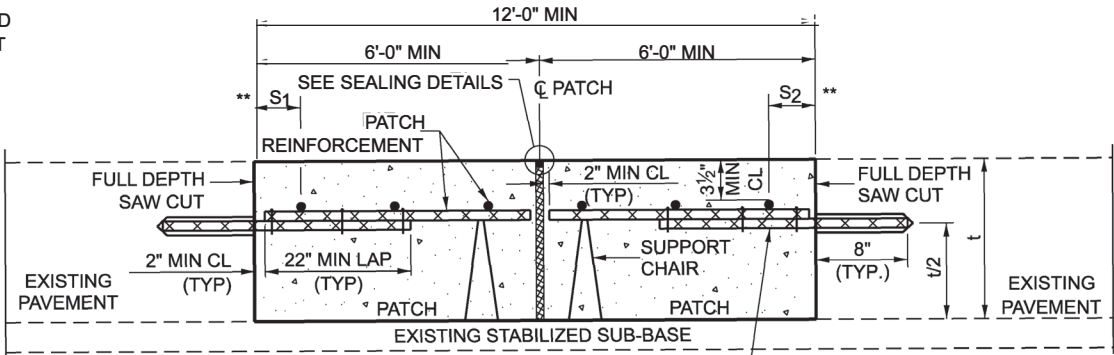
PATCHES MORE THAN 20' IN LENGTH SHALL BE TIED TO ADJACENT PAVEMENT, PCC SHOULDERS OR PCC CURB AND GUTTER WITH #6x32" EPOXY COATED TIE BARS AT 36" CENTERS.



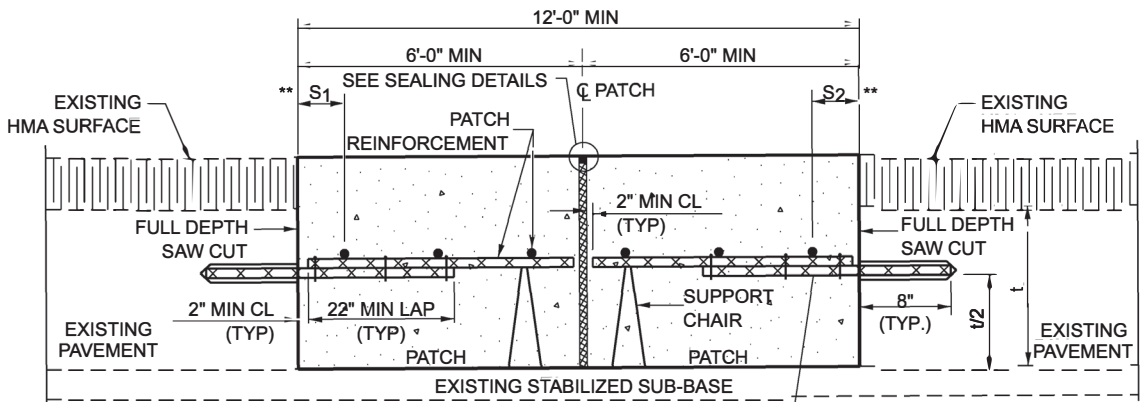
SEALING DETAIL



SEALING DETAIL



WITHOUT HMA OVERLAY



WITH HMA OVERLAY

CLASS A PATCH WITH EXPANSION JOINT

- 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"
 - PATCHES GREATER THAN 20 FEET IN LENGTH SHALL REQUIRE AN ADDITIONAL TRANSVERSE SAW CUT EVERY 10 FEET.
 - *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_1 AND S_2 ARE $2\frac{1}{2}"$ MIN. AND 12" MAX.

1 SHEET ADDED 4-9-2025

MODEL: Detail 3 [Sheet]
FILE NAME: c:\pw\work\pdr\robert.hughes@illinois.gov\10005658\DD76U28-sh-t-details.dgn

USER NAME	= Robert.Hughes	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 3/17/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CLASS A PATCHING (SPECIAL)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(103,104)RS-2, 119RS-1	MADISON	63	63B
CONTRACT NO. 76U26				
ILLINOIS FED. AID PROJECT				

*FAP 2/FAU 9105