

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
678/314	112-2RS-2	ST. CLAIR	19	1
		ILLINOIS	CONTRACT NO. 76K41	

06-15-2018 LETTING ITEM 072

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP 678/FAP 314 (IL 4)
SECTION 112-2RS-2
PROJECT NHPP-STP-Y6PD(278)
3P RESURFACING IL 004 FROM 0.4 MILE
N OF I-64 TO 0.2 MILE S OF IL 161

ST. CLAIR COUNTY



FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA-

BEGIN OF PROJECT TO I-64

2015 ADT=6950 (ACTUAL)
2018 ADT=7250 (ESTIMATED)
2038 ADT=9600 (ESTIMATED)
SU=8.3%MU=11.8%

I-64 TO IL 161

2015 ADT=8200 (ACTUAL)
2018 ADT=8500 (ESTIMATED)
2038 ADT=11300 (ESTIMATED)
SU=6.1%MU=5.5%

IL 161 TO END OF THE PROJECT

2015 ADT=7900 (ACTUAL)
2018 ADT=8200 (ESTIMATED)
2038 ADT=10900 (ESTIMATED)
SU=3.8 %MU=5.1%

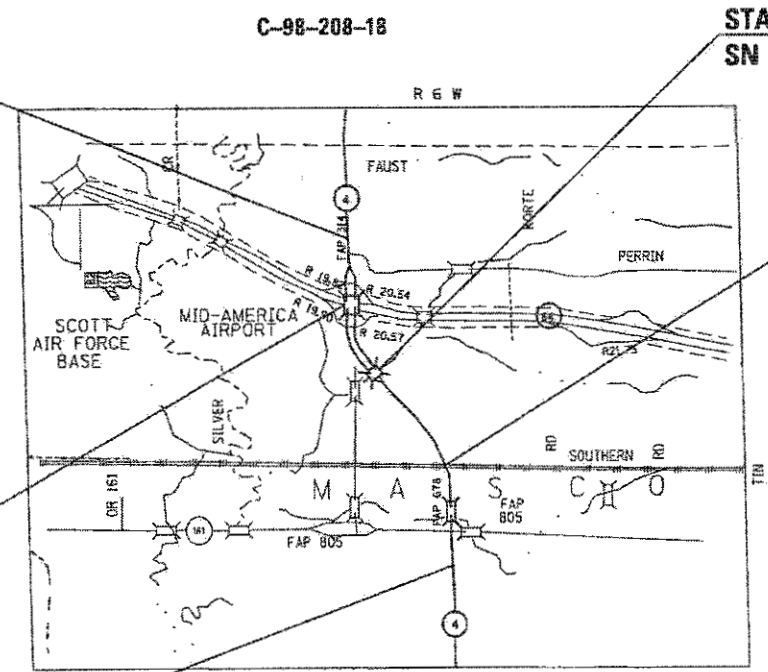
BEGIN PROJECT
STA. 0 + 00
LAT: 38.557681
LONG: -89.807266

BRIDGE OMISSION
STA. 58 + 12 TO 60 + 48
SN 082-0296

RAILROAD OMISSION
STA. 103 + 73 TO 104 + 53

BRIDGE OMISSION
STA. 21 + 45 TO 23 + 25
SN 082-0190

END PROJECT
STA. 140 + 25
LAT: 38.522855
LONG: -89.793161



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN 80% FED 20% STATE	
				CONSTRUCTION CODE	
				ROADWAY 0005 NHPP	ROADWAY 0005 STP
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	41	41	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	31906	30226	1680
40600647	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90	TON	1985	1880	105
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	214	201	13
40600990	TEMPORARY RAMP	SQ YD	311	291	20
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	3971	3761	210
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	19979	19979	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	43671	40560	3111
44000300	CURB REMOVAL	FOOT	28	28	
44200164	PAVEMENT PATCHING, TYPE I, 14 INCH	SQ YD	5	5	
44200168	PAVEMENT PATCHING, TYPE II, 14 INCH	SQ YD	83	83	
44200172	PAVEMENT PATCHING, TYPE III, 14 INCH	SQ YD	73	73	
44200174	PAVEMENT PATCHING, TYPE IV, 14 INCH	SQ YD	276	276	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4016	1216	2800

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN 80% FED 20% STATE	
				CONSTRUCTION CODE	
				ROADWAY 0005 NHPP	ROADWAY 0005 STP
48101200	AGGREGATE SHOULDERS, TYPE B	TON	38	31	7
48203100	HOT-MIX ASPHALT SHOULDERS	TON	917	882	35
60100080	FRENCH DRAINS	CU YD	41	41	
60100085	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	SQ YD	124	124	
60600605	CONCRETE CURB, TYPE B	FOOT	28	28	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	21576	20176	1400
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	6082	6082	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
67100100	MOBILIZATION	L SUM	1	0.9	0.1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.9	0.1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.9	0.1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.9	0.1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.9	0.1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6761	6436	325

14

14

URBAN
80% FED
20% STATE

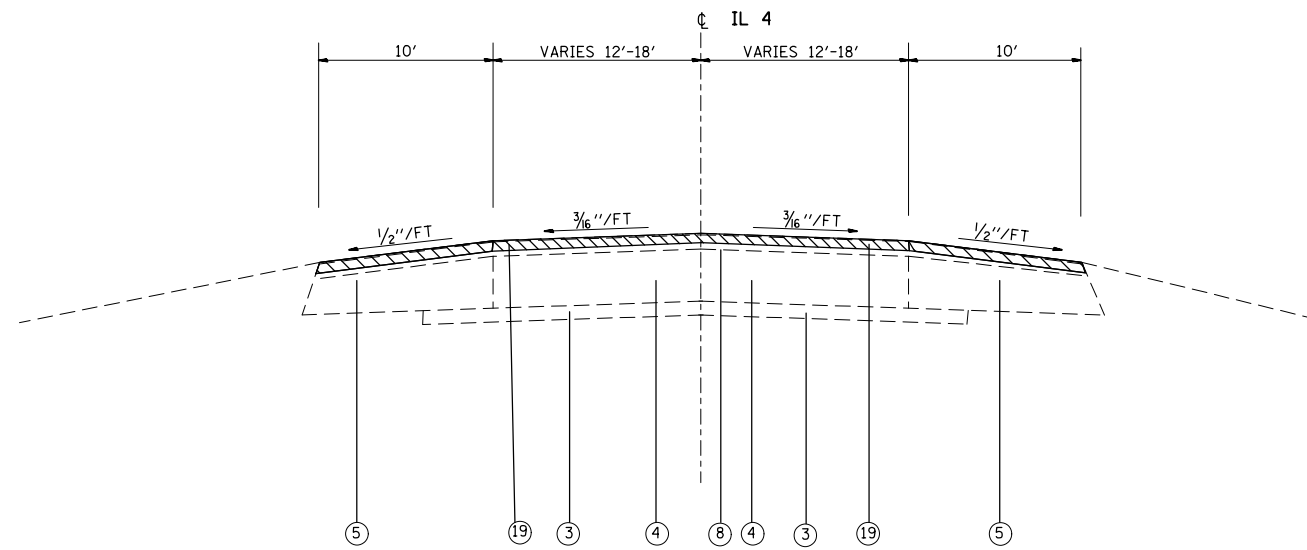
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				ROADWAY 0005	ROADWAY 0005
				NHPP	STP
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2254	2145	109
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	474	474	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	50405	47782	2623
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	388	388	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	36	36	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	474	474	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	50405	47782	2623
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	388	388	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	36	36	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	414	397	17
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	414	397	17
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	60	60	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2217	2217	
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	26696	24889	1807

* SPECIALTY ITEM


URBAN
80% FED
20% STATE

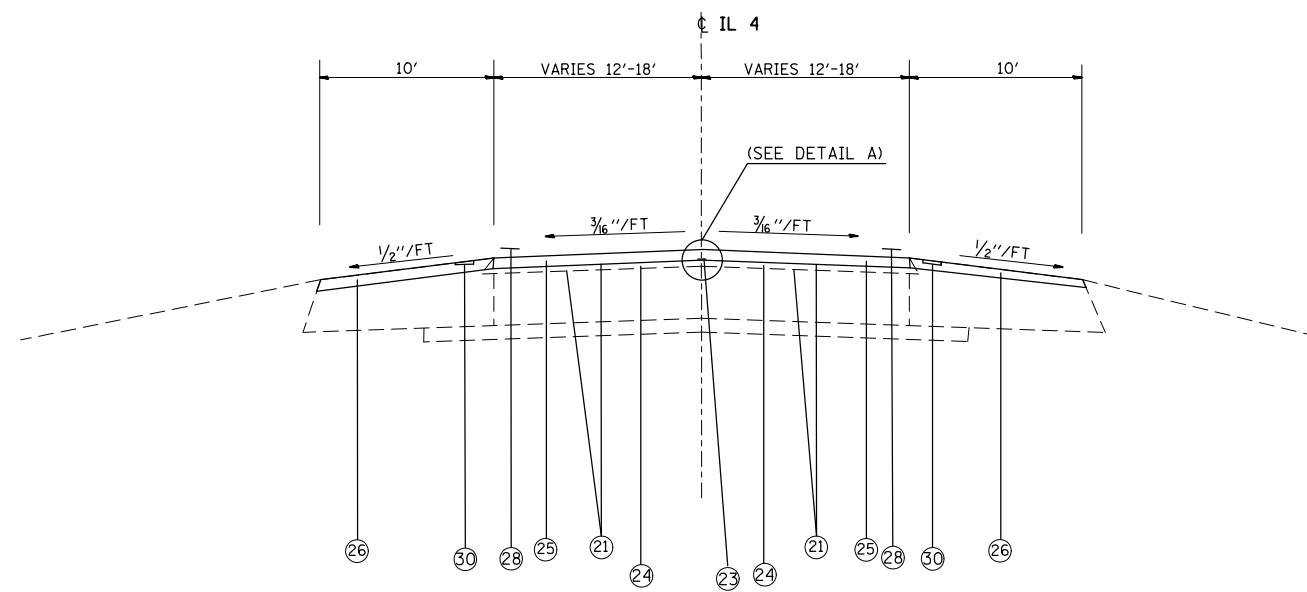
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				ROADWAY 0005	ROADWAY 0005
				NHPP	STP
* X7800100	PAINT PAVEMENT MARKING - RAISED MEDIAN	SQ FT	180	180	
* X7800200	PAINT PAVEMENT MARKING CURB	FOOT	630	630	
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	16248	15318	930
Ø Z0076600	TRAINEES	HOURL	1000	1000	
Z0034105	MATERIAL TRANSFER DEVICE	TON	5956	5642	314
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	1000	1000	
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	4	4	

Ø 0042



EXISTING TYPICAL SECTION (IL 4)
STA. 2+86 TO STA. 8+66

 HMA SURFACE REMOVAL

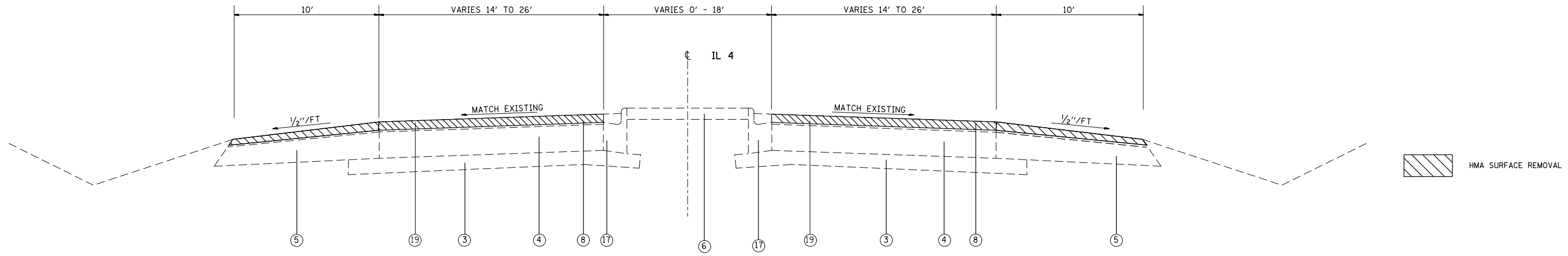


PROPOSED TYPICAL SECTION (IL 4)
STA. 2+86 TO STA. 8+66

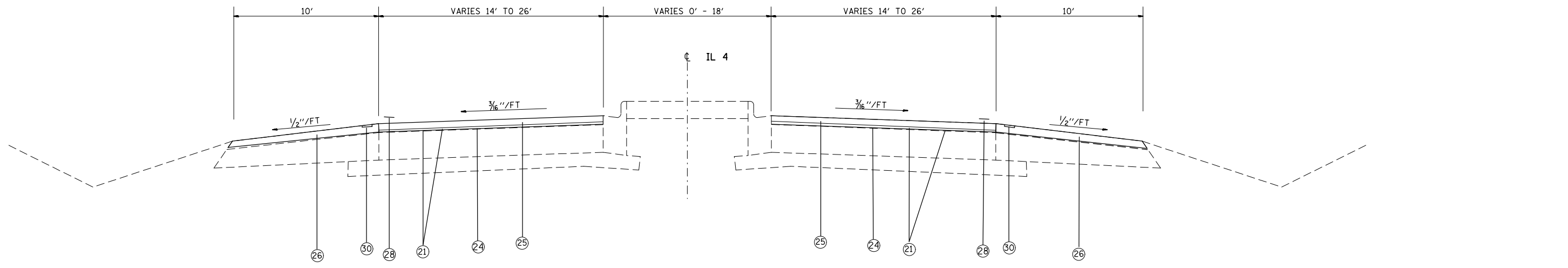
LEGEND

- ① EXISTING PCC PAVEMENT (9-6-9)
- ② EXISTING PCC BASE COURSE (8")
- ③ EXISTING SUB-BASE (4")
- ④ EXISTING PCC PAVEMENT (8")
- ⑤ EXISTING BITUMINOUS SHOULDER (8 3/8 " to 10 1/2 ")
- ⑥ EXISTING CONCRETE MEDIAN SURFACE (4")
- ⑦ EXISTING P.C.C. PAVEMENT
- ⑧ EXISTING RESURFACING (VARIABLE DEPTH)
- ⑨ EXISTING 4" STABILIZED SUB-BASE
- ⑩ EXISTING STRIP REFLECTIVE CRACK CONTROL
- ⑪ EXISTING BITUMINOUS SHOULDER 8"
- ⑫ EXISTING AGGREGATE SHOULDER TYPE B, 8"
- ⑬ EXISTING 14" FULL-DEPTH BITUMINOUS
- ⑭ EXISTING BITUMINOUS LEVELING BINDER, CLASS I, TYPE 2, 3/4 "
- ⑮ EXISTING BITUMINOUS CONCRETE SURFACE CLASS I, TYPE 2, MIX D, 1 1/2"
- ⑯ EXISTING 12" LIME MODIFIED SOIL
- ⑰ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B
- ⑱ EXISTING PIPE UNDERDRAINS 6"
- ⑲ PROPOSED HMA SURFACE REMOVAL, 2"
- ⑳ PROPOSED HMA SURFACE REMOVAL, 2 1/4"
- ㉑ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ㉒ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉓ PROPOSED LONGITUDINAL JOINT SEALANT
- ㉔ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, 0.75"
- ㉕ PROPOSED HMA SURFACE COURSE, MIX D, N90, 1 1/2"
- ㉖ PROPOSED HMA SHOULDERS
- ㉗ PROPOSED AGGREGATE SHOULDER, TYPE B
- ㉘ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉙ PROPOSED SHOULDER RUMBLE STRIPS, 8 INCH
- ㉚ PROPOSED SHOULDER RUMBLE STRIPS, 16 INCH

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		•	678/314	CONTRACT NO. 76K41					
	PLOT DATE = 3/23/2018	DATE -	REVISED -		SCALE:	SHEET 2	OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION (IL 4)
STA. 8+66 TO STA. 32+21



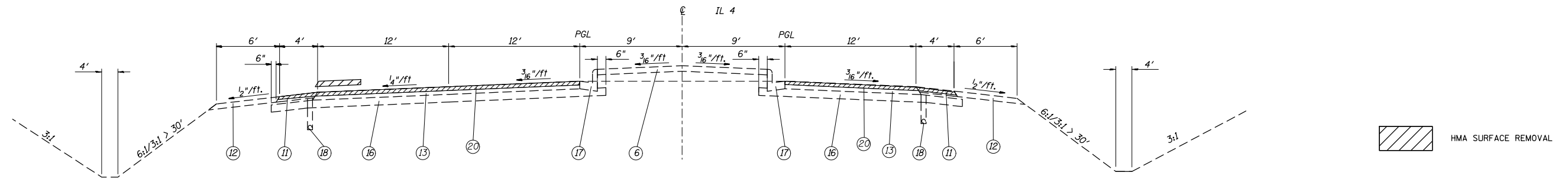
PROPOSED TYPICAL SECTION (IL 4)
STA. 8+66 TO STA. 32+21

LEGEND

- ① EXISTING PCC PAVEMENT (9-6-9)
- ② EXISTING PCC BASE COURSE (8")
- ③ EXISTING SUB-BASE (4")
- ④ EXISTING PCC PAVEMENT (8")
- ⑤ EXISTING BITUMINOUS SHOULDER (8 3/8 " +o 10 1/2 ")
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- ⑪ EXISTING BITUMINOUS SHOULDER 8"
- ⑫ EXISTING AGGREGATE SHOULDER TYPE B, 8"
- ⑬ EXISTING 14" FULL-DEPTH BITUMINOUS
- ⑭ EXISTING BITUMINOUS LEVELING BINDER, CLASS I, TYPE 2, 3/4 "
- ⑮ EXISTING BITUMINOUS CONCRETE SURFACE CLASS I, TYPE 2, MIX D, 1 1/2"

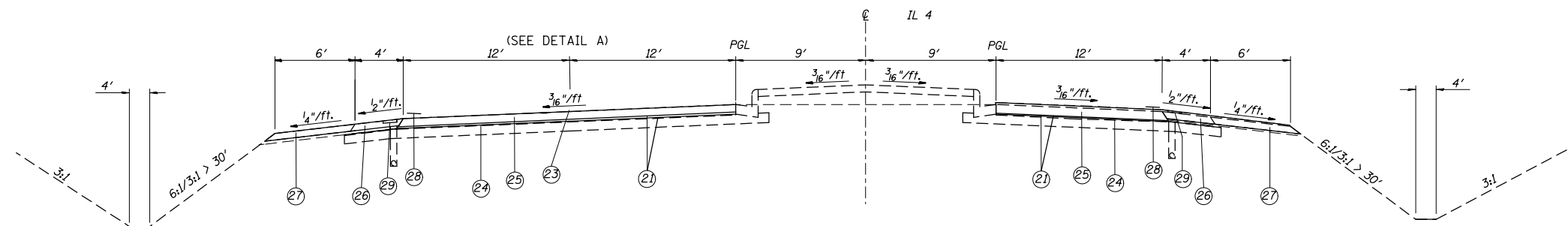
- ⑯ EXISTING 12" LIME MODIFIED SOIL
- ⑰ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B
- ⑱ EXISTING PIPE UNDERDRAINS 6"
- ⑲ PROPOSED HMA SURFACE REMOVAL, 2"
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- ㉒ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
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- ㉔ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, 0.75"
- ㉕ PROPOSED HMA SURFACE COURSE, MIX D, N90, 1 1/2"
- ㉖ PROPOSED HMA SHOULDERS
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	PLOT DATE = 3/23/2018	DATE -	REVISED -		SCALE:	SHEET 3 OF 6 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION (IL 4)

STA. 32+21 TO STA. 60+48



PROPOSED TYPICAL SECTION (IL 4)

STA. 32+21 TO STA. 60+48

LEGEND

- ① EXISTING PCC PAVEMENT (9-6-9)
- ② EXISTING PCC BASE COURSE (8")
- ③ EXISTING SUB-BASE (4")
- ④ EXISTING PCC PAVEMENT (8")
- ⑤ EXISTING BITUMINOUS SHOULDER (8 3/8 " to 10 1/2 ")
- ⑥ EXISTING CONCRETE MEDIAN SURFACE (4")
- ⑦ EXISTING P.C.C. PAVEMENT
- ⑧ EXISTING RESURFACING (VARIABLE DEPTH)
- ⑨ EXISTING 4" STABILIZED SUB-BASE
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- ⑪ EXISTING BITUMINOUS SHOULDER 8"
- ⑫ EXISTING AGGREGATE SHOULDER TYPE B, 8"
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- ⑭ EXISTING BITUMINOUS LEVELING BINDER, CLASS I, TYPE 2, 3/4 "
- ⑮ EXISTING BITUMINOUS CONCRETE SURFACE CLASS I, TYPE 2, MIX D, 1 1/2"

- ⑯ EXISTING 12" LIME MODIFIED SOIL
- ⑰ EXISTING COMBINATION CONCRETE CURB AND GUTTER, TYPE B
- ⑱ EXISTING PIPE UNDERDRAINS 6"
- ⑲ PROPOSED HMA SURFACE REMOVAL, 2"
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- ㉑ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ㉒ PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉓ PROPOSED LONGITUDINAL JOINT SEALANT
- ㉔ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, 0.75"
- ㉕ PROPOSED HMA SURFACE COURSE, MIX D, N90, 1 1/2"
- ㉖ PROPOSED HMA SHOULDERS
- ㉗ PROPOSED AGGREGATE SHOULDER, TYPE B
- ㉘ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉙ PROPOSED SHOULDER RUMBLE STRIPS, 8 INCH
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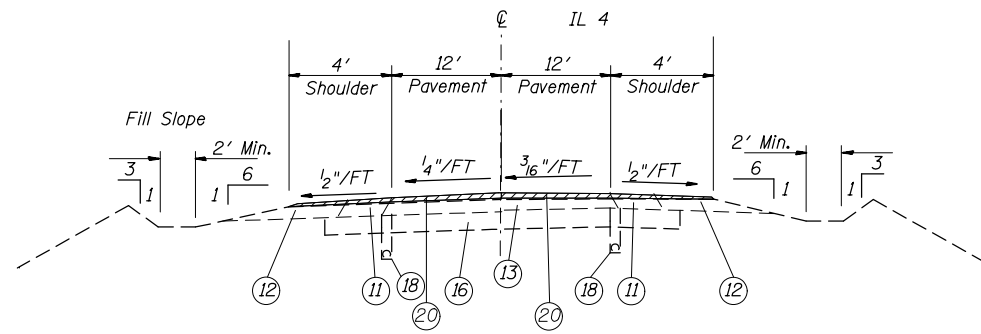
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

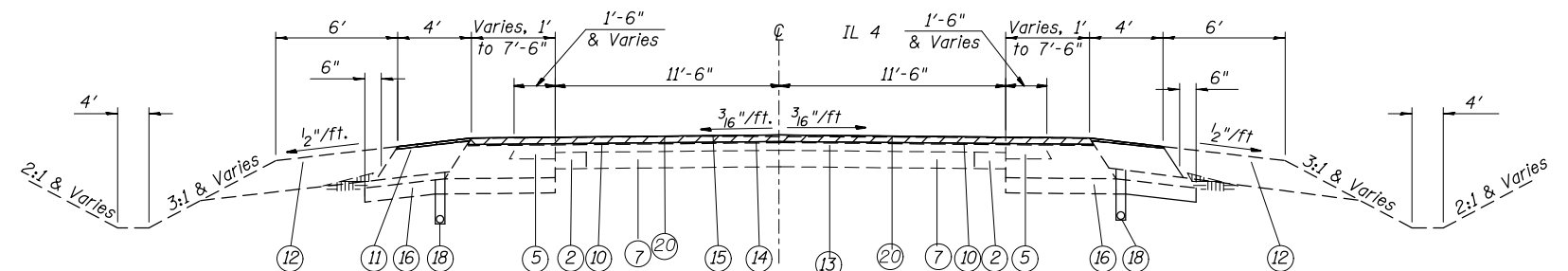
TYPICAL SECTIONS

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 678/314	112-2RS-2	ST. CLAIR	19	8
CONTRACT NO. 76K41			ILLINOIS FED. AID PROJECT	

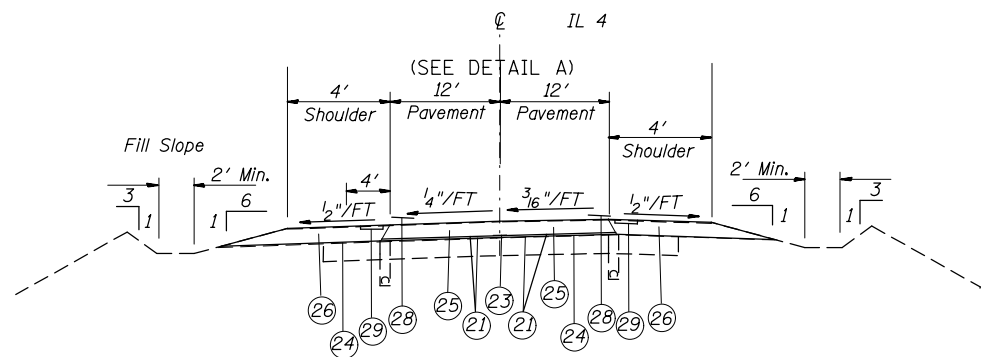


EXISTING TYPICAL SECTION (IL 4)
Sta. 60+48 to Sta. 130+21

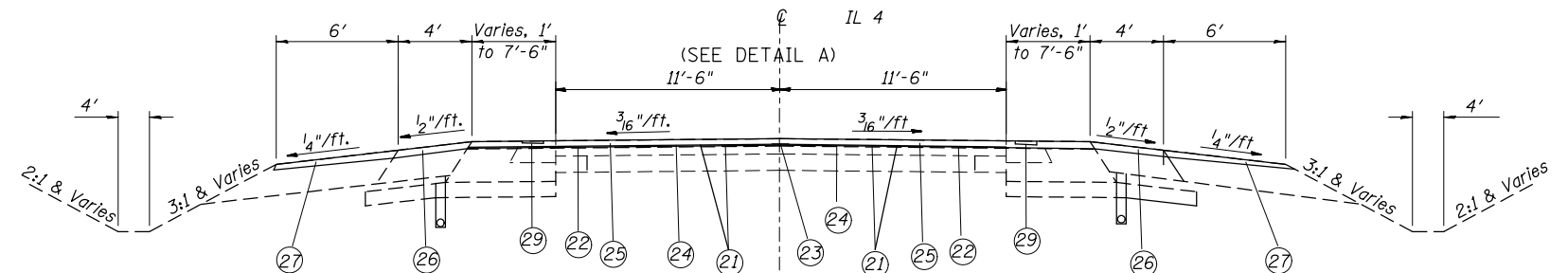


EXISTING TYPICAL SECTION (IL 4)
Sta. 130+21 to Sta. 140+25

HMA SURFACE REMOVAL



PROPOSED TYPICAL SECTION (IL 4)
Sta. 60+48 to Sta. 130+21



PROPOSED TYPICAL SECTION (IL 4)
Sta. 130+21 to Sta. 140+25

LEGEND

- ① EXISTING PCC PAVEMENT (9-6-9)
- ② EXISTING PCC BASE COURSE (8")
- ③ EXISTING SUB-BASE (4")
- ④ EXISTING PCC PAVEMENT (8")
- ⑤ EXISTING BITUMINOUS SHOULDER (8 3/8" to 10 1/2")
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- ㉔ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N90, 0.75"
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- ㉖ PROPOSED HMA SHOULDERS
- ㉗ PROPOSED AGGREGATE SHOULDER, TYPE B
- ㉘ PROPOSED THERMOPLASTIC PAVEMENT MARKING
- ㉙ PROPOSED SHOULDER RUMBLE STRIPS, 8 INCH
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	PLOT DATE = 3/23/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	112-2RS-2	ST. CLAIR	19	9
• 678/314			CONTRACT NO. 76K41	
ILLINOIS FED. AID PROJECT				

FRENCH DRAIN SCHEDULE						
STATION	NB/SB	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	FRENCH DRAINS	GEOTECHNICAL FABRIC FOR FRENCH DRAINS	CURB REMOVAL	CONCRETE CURB, TYPE B
		CU YD	CU YD	SQ YD	FOOT	FOOT
6+86	SB	5.9	5.9	17.8	4	4
6+86	NB	5.9	5.9	17.8	4	4
7+88	SB	5.9	5.9	17.8	4	4
15+32 - 29+42	SB	5.9	5.9	17.8	4	4
35+32	NB	5.9	5.9	17.8	4	4
30+35 - 38+48	SB	5.9	5.9	17.8	4	4
39+00 - 52+65	NB	5.9	5.9	17.8	4	4
TOTAL:		41	41	124	28	28

AGFREGATE SHULDER SCHEDULE					
STATION			LENGTH	WIDTH	AGGREGATE SHOULDER, TYPE B
STA	TO	STA	FOOT	FOOT	TON
+	TO	2+86	286	7	3.1
32+21	TO	59+10	2689	6	25.1
130+21	TO	133+25	304	6	2.8
133+25		140+25	700	6	6.5
TOTAL					38

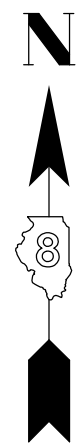
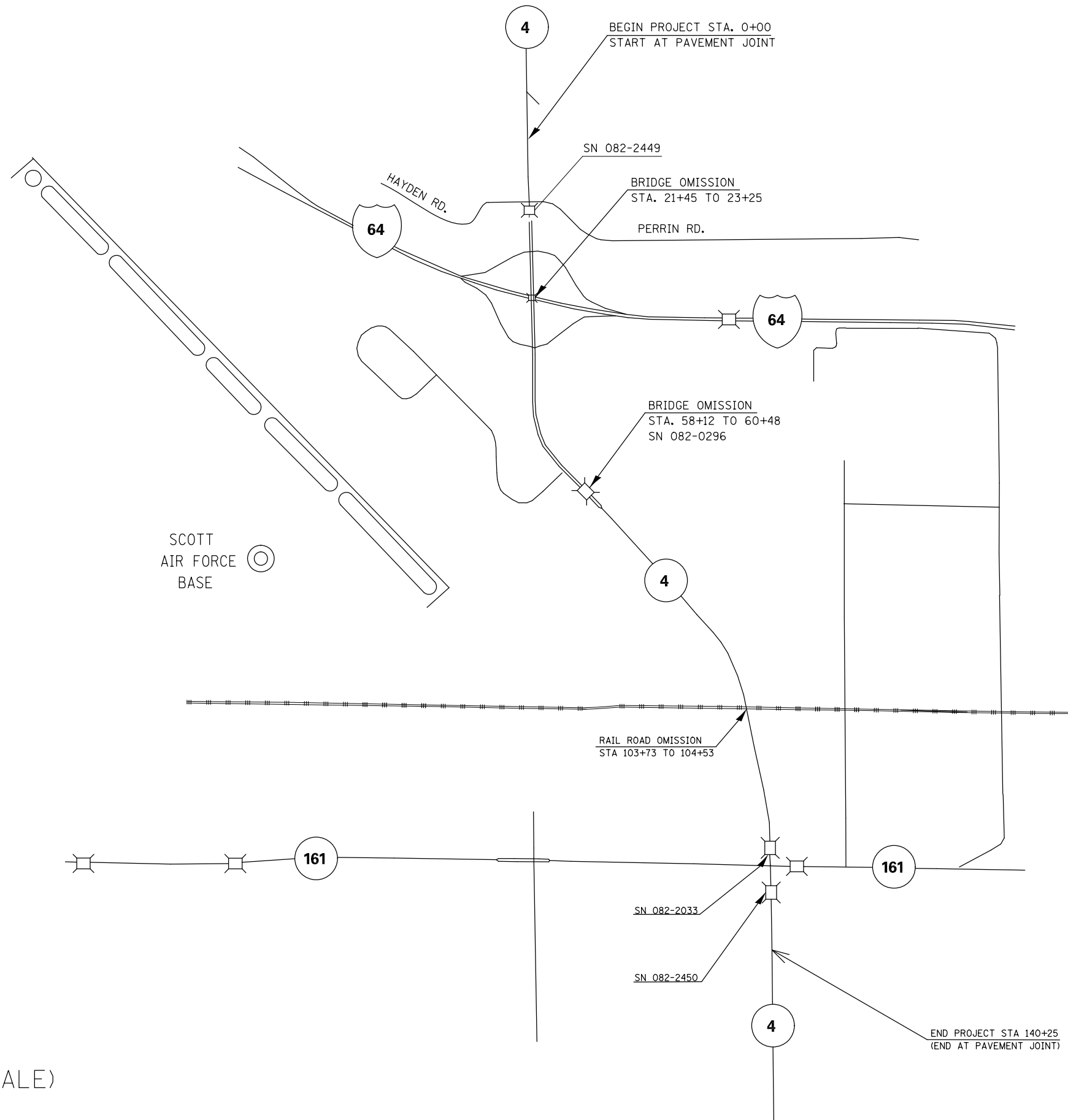
NOTE: SEE SHEET 19 FOR FRENCH DRAIN DETAIL EXACT LOCATION TO BE VERIFIED IN THE FIELD. CONTACT TIM PRICE AT (618) 346-3284

SHOULDER RESURFACING SCHEDULE										
STATION			LENGTH	WIDTH	HMA SURFACE REMOVAL, 2"	HMA SURFACE REMOVAL, 2 1/4"	HOT MIX ASPHALT SHOULDERS	SHOULDER RUMBLE STRIPS, 8 INCH	SHOULDER RUMBLE STRIPS, 16 INCH	
STA	TO	STA	FOOT	FOOT	SQ YD	SQ YD	TON	FOOT	FOOT	
0+00	TO	2+86	286	7	444.9		24.9		572.0	
2+86	TO	8+66	580	10	1288.9		72.2		1160.0	
8+66	TO	21+45	1279	10	2842.2		159.2		2558.0	
21+45	TO	23+25	BRIDGE OMISSION							
23+25	TO	32+21	896	10	1991		111.5		1792.0	
32+21	TO	58+12	2591	4		2303.1	129.0	5182.0		
58+12	TO	60+48	BRIDGE OMISSION							
60+48	TO	103+73	4325	4		3844.4	215.3	8650.0		
103+73	TO	104+53	RAILROAD OMISSION							
104+53	TO	133+25	2872	4		2552.9	143.0	5744.0		
133+25	TO	140+25	700	4		622.2	34.8	1400.0		
RAMP A			125	6	83.3		4.7			
			125	4	55.6		3.1			
RAMP B			115	6	76.7		4.3			
			115	6	76.7		4.3			
IL 161 EB			150	3		100.0	5.6	300.0		
IL 161 WB			150	3		100.0	5.6	300.0		
TOTAL:					6859	9523	917	21576	6082	

PAVEMENT PATCHING SCHEDULE							
STATION	LOCATION	LENGTH	WIDTH	14"			
				TYPE I	TYPE II	TYPE III	TYPE IV
		FEET	FEET	SQ YD	SQ YD	SQ YD	SQ YD
1+73	SB/NB	20	24				106.67
4+02	NB	10	6		6.67		
5+25	NB	6	6	4			
7+80	SB	40	6				26.67
8+56	SB	30	12				40.00
9+65	NB	8	12		10.67		
10+44	NB	8	12		10.67		
15+87	NB	6	24			16.00	
15+87	SB	6	12		8.00		
16+83	NB	6	24			16.00	
16+83	SB	6	12		8.00		
17+89	NB	6	24			16.00	
22+64	SB	10	24				26.67
23+52	SB	30	12				40.00
23+52	NB	10	14			15.56	
24+39	NB	8	14		12.44		
30+05	SB/NB	6	12		16.00		
SUB-TOTAL				4	72.44	63.56	240.00
ANTICIPATED FAILURES (15%)				0.6	10.87	9.53	36.00
TOTAL:				5	83	73	276

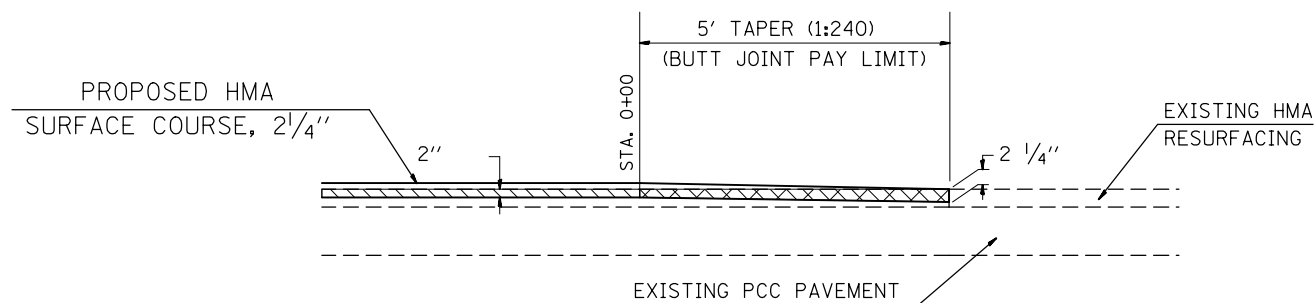
BUTT JOINT SCHEDULE						
STATION	LOCATION	LOCATION	LENGTH	WIDTH	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP
			FOOT	FOOT	SQ YD	SQ YD
0+00	NB/SB	IL 004	5	30	16.7	22.2
21+45	NB/SB	IL 004	5	40	22.2	29.6
23+25	NB/SB	IL 004	5	49	27.2	36.3
58+12	NB/SB	IL 004	5	23	12.8	19.2
60+48	NB/SB	IL 004	5	23	12.8	19.2
103+73	NB/SB	IL 004	5	23	12.8	19.2
104+53	NB/SB	IL 004	5	23	12.8	19.2
140+25	NB/SB	IL 004	5	24	13.3	20.0
RAMP A			5	26	14.4	21.7
RAMP B			5	25	13.9	20.8
IL 161 W OF IL 004			5	58	32.2	48.3
IL 161 E OF IL 004			5	42	23.3	35.0
TOTAL:					214	311

THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING SCHEDULE																			
LOCATION		LINE - 4"										LINE - 12"	LINE - 24"	SHORT TERM PAVEMENT MARKING		SHORT TERM PAVEMENT MARKING REMOVAL	TEMPO. PAV. MARKING REMOVAL	PAINT PAVEMENT MARKING - RAISED MEDIAN	PAINT PAVEMENT MARKING CURP
		SOLID WHITE EDGELINE	MEDIAN/CL SOLID YELLOW	CL YELLOW	TURN LANE SOLID WHITE		TURN LANE SKIP-DASH WHITE	SOLID DOUBLE-YELLOW	SKIP-DASH YELLOW CENTERLINE	SOLID YELLOW	SOLID WHITE	LETTERS AND SYMBOLS	WHITE PAVEMENT MARKING	YELLOW PAVEMENT MARKING					
		SB/NB	SB/NB		SB	NB	NB												
STATION	TO	STATION	FOOT	FOOT	FOOT	FOOT	FOOT		FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	SQ FT	SQ FT	SQ FT	FOOT	
0+00	TO	5+41	1082	2164	49								22		7	1459			
5+41	TO	6+40	198		9							62	4		1	197	20	63	
6+40	TO	10+16	752	450	34		119						134		45	702		63	
10+16	TO	15+32	1032	850	47							47	21		7	1034	20	63	
15+32	TO	21+45	1226	2820	56		463	193				47	681		227	2041	20	63	
21+45		23+25	BRIDGE OMISSION																
23+25	TO	35+00	2350		107			137					184		61	1648	20	63	
35+00	TO	40+35	1070	1626	49			741					762		254	1519	20	63	
40+35	TO	52+65	2460	2730	112	104		825				47	978		326	2944	20	63	
52+65	TO	53+00	70		3		212					31	213		71	150	20	63	
53+00	TO	58+12	1024	660	47						12		32		11	922	20	63	
58+12		60+48	BRIDGE OMISSION																
60+48	TO	65+35	974	1940					80	122			19	378	133	1363		63	
65+35	TO	103+73	7676							349		115	154	349	167	5349	20		
103+73	TO	104+53	RAILROAD OMISSION																
104+53	TO	133+25	5744	1400		246			261	388		62	749	776	508	4657			
133+25	TO	140+25	1400	2560					64				28	296	108	1808			
RAMP A			230										5		2	153			
RAMP B			250									15.6	5		2	182			
IL 161 EB OF IL 004			300			320						12	31	338	320	219	449		
IL 161 WB OF IL 004						100							12	15.6	112	200	104	120	
SUB TOTAL			27838	17200	512	770	794	1896	600	795	388	36	474	4441	2320	2254	26696	180	630
TOTAL								50405			388	36	474	6761		2254	26696	180	630

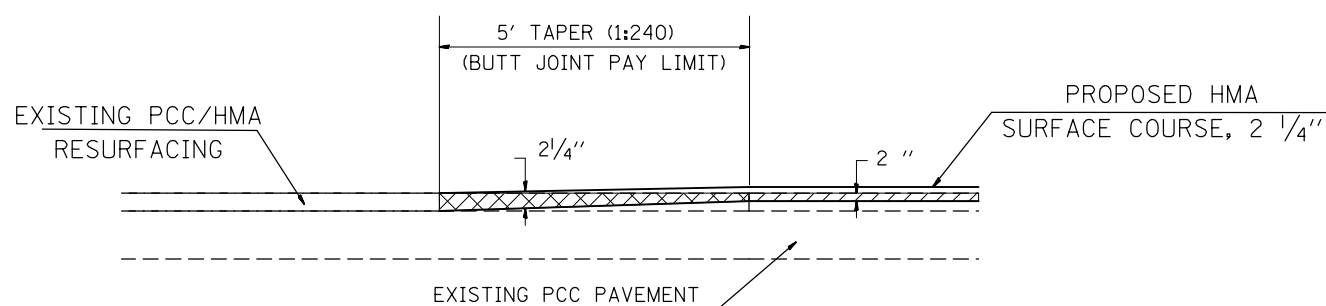


(NOT TO SCALE)

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0875\Drawings\ADSheets\0875-141-sht-plan.dwg		CHECKED -	REVISED -		•	112-2RS-2	ST. CLAIR	19	14				
Default		DATE -	REVISED -		• 678/314	CONTRACT NO. 76K41			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



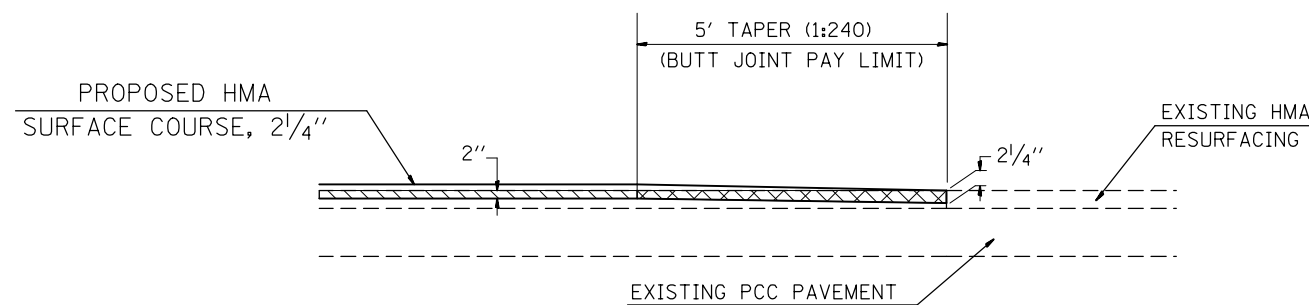
BEGIN BUTT JOINT DETAIL
ELEVATION VIEW



TRANSITION BUTT JOINT DETAIL (BRIDGE/RAILROAD)

ELEVATION VIEW

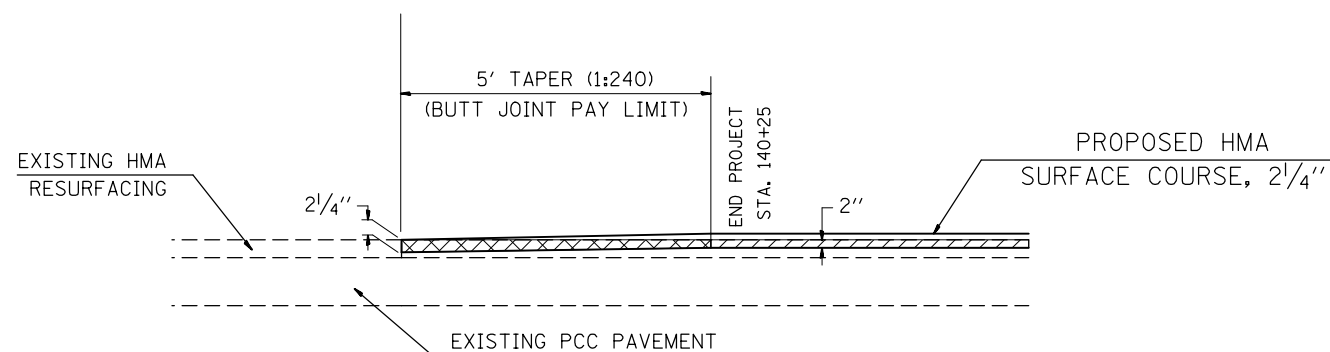
- STATION 21+45
- STATION 23+25
- STATION 58+12
- STATION 60+48
- STATION 103+73
- STATION 104+53



TRANSITION BUTT JOINT DETAIL (IL 161)

ELEVATION VIEW

SEE INTERSECTION PAVEMENT MARKING AND RESURFACING LIMIT DETAIL ON PAGE 16.



END BUTT JOINT DETAIL
ELEVATION VIEW

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -
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Default	PLOT DATE = 3/23/2018	DATE -	REVISED -

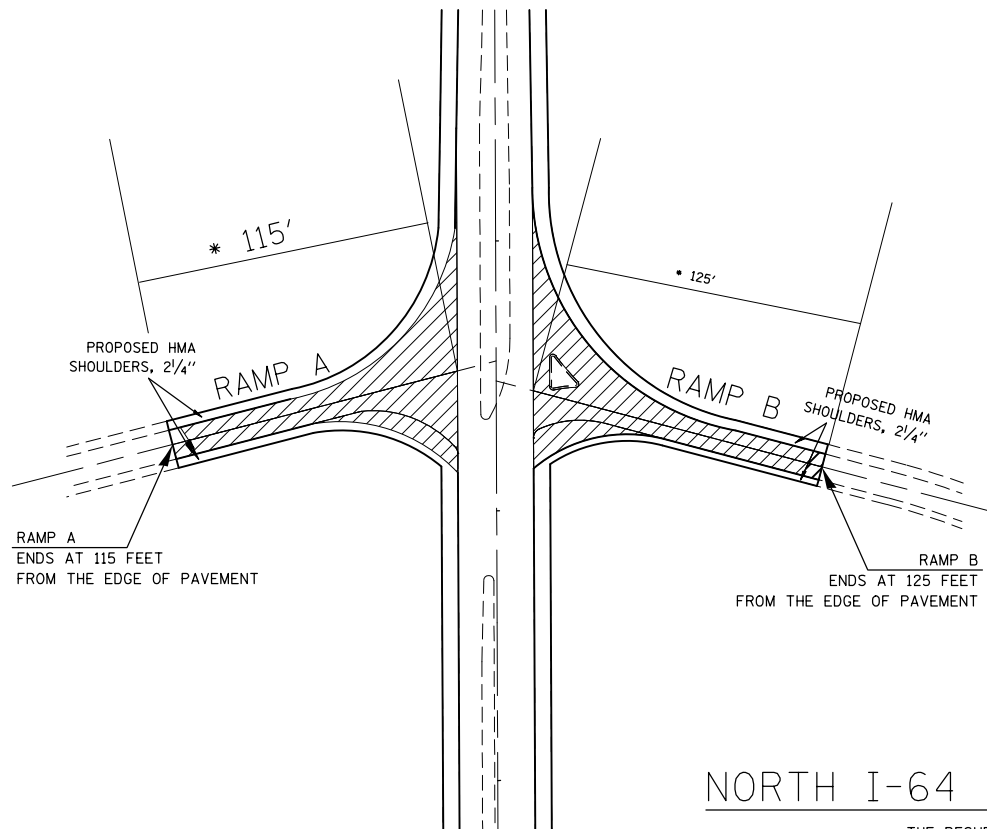
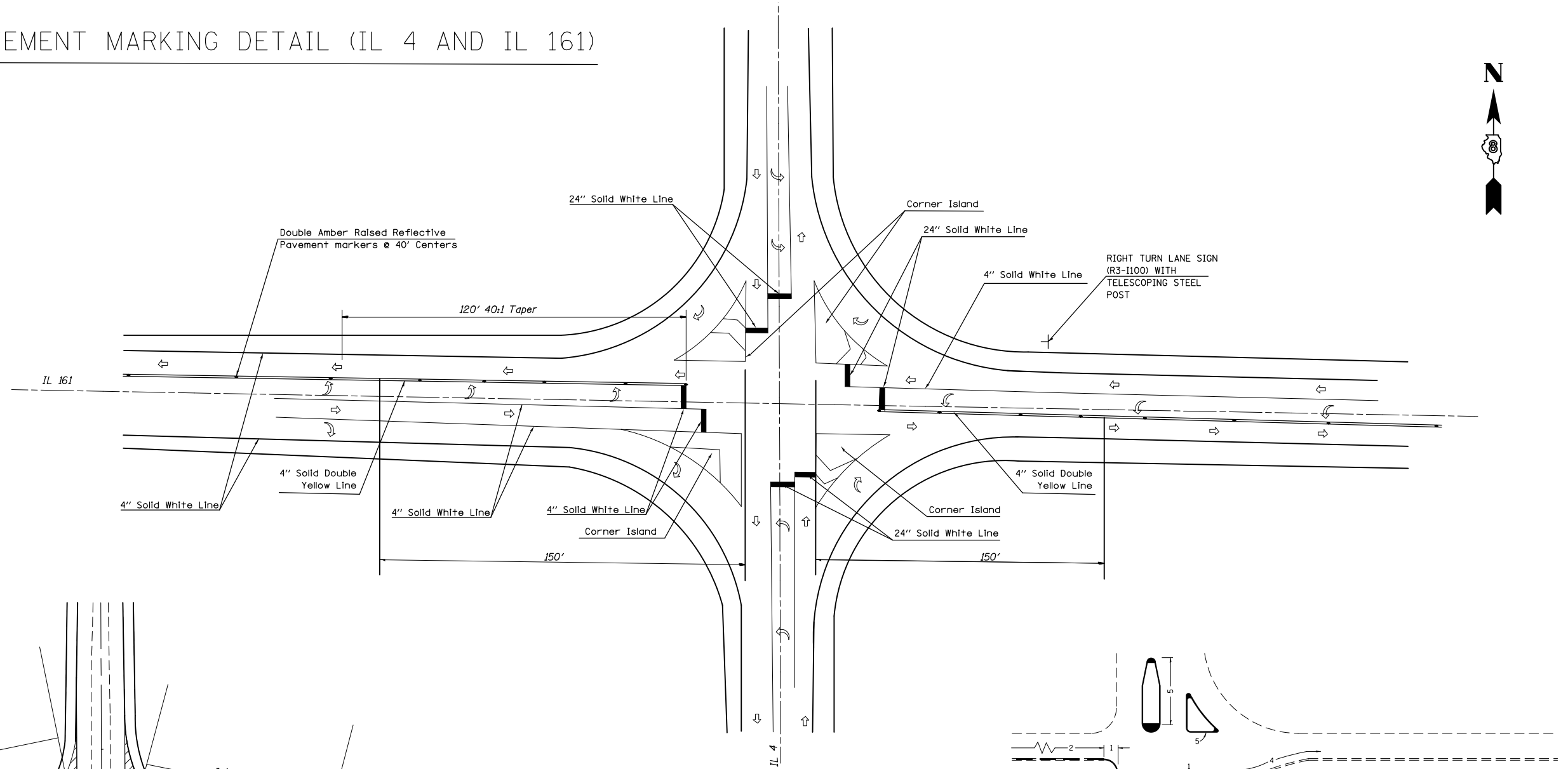
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RESURFACING DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

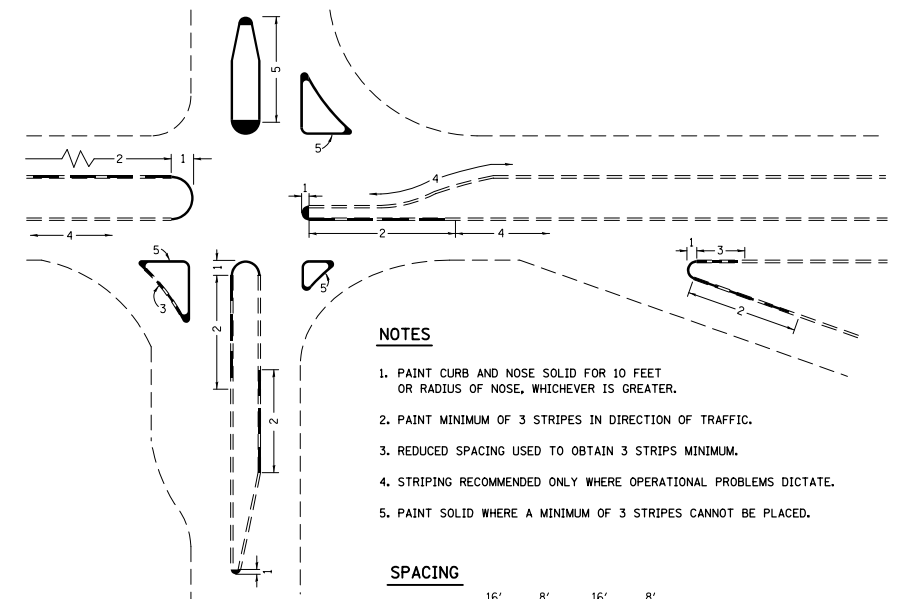
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 678/314	112-2RS-2	ST. CLAIR	19	15
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76K41	

INTERSECTION PAVEMENT MARKING DETAIL (IL 4 AND IL 161)



NORTH I-64 RAMP TERMINAL

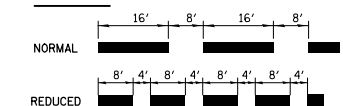
• THE RESURACING LIMIT ON IL 161



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPS CANNOT BE PLACED.

SPACING



CURB MARKING

FILE NAME =	USER NAME = sjmm	DESIGNED -	REVISED -
pw\IL084EBIDINTEG\illinois.gov\PIWID\Documents\DOT Offices\District 8\Projects\0875\Drawings\LEADsheets\D876K41-sht-plan.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 3/23/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAMP AND INTERSECTION DETAIL

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

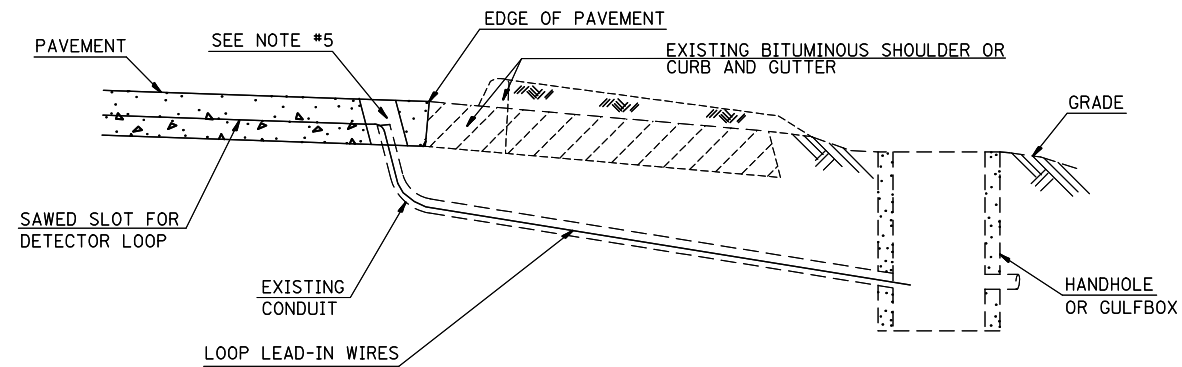
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 678/314	112-2RS-2	ST. CLAIR	19	16
CONTRACT NO. 76K41			ILLINOIS FED. AID PROJECT	

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS" FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 4 & IL 161
CODE NO	ITEM	UNIT		
80300100	LOCATING UNDERGROUND CABLE	FOOT	60	60
88600600	DETECTOR LOOP REPLACEMENT	FOOT	2217	2217



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

- ☒ EX. HANDHOLE
- EX. DETECTOR LOOP
- ☒ EX. TRAFFIC SIGNAL CONTROLLER
- EXISTING CONDUIT
- ▭ PROPOSED DETECTOR LOOP

FILE NAME =	USER NAME = sjmam	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 8\Projects\0875\DRAWING\GADsheets\0875-41-sht-ts.dgn		CHECKED -	REVISED -		•	112-2RS-2	ST. CLAIR	19	19				
PLOT SCALE = 59.8038' / in.		DATE -	REVISED -		**FAP 678/FAP 314	CONTRACT NO. 76K41							
PLOT DATE = 3/23/2018					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT						