

04-28-2017 LETTING ITEM 125

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE. 9179	SECTION 17RS-1	COUNTY ST. CLAIR	TOTAL SHEETS 7	SHEET NO. 1
		ILLINOIS	CONTRACT NO. 76J74	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

# PROPOSED HIGHWAY PLANS

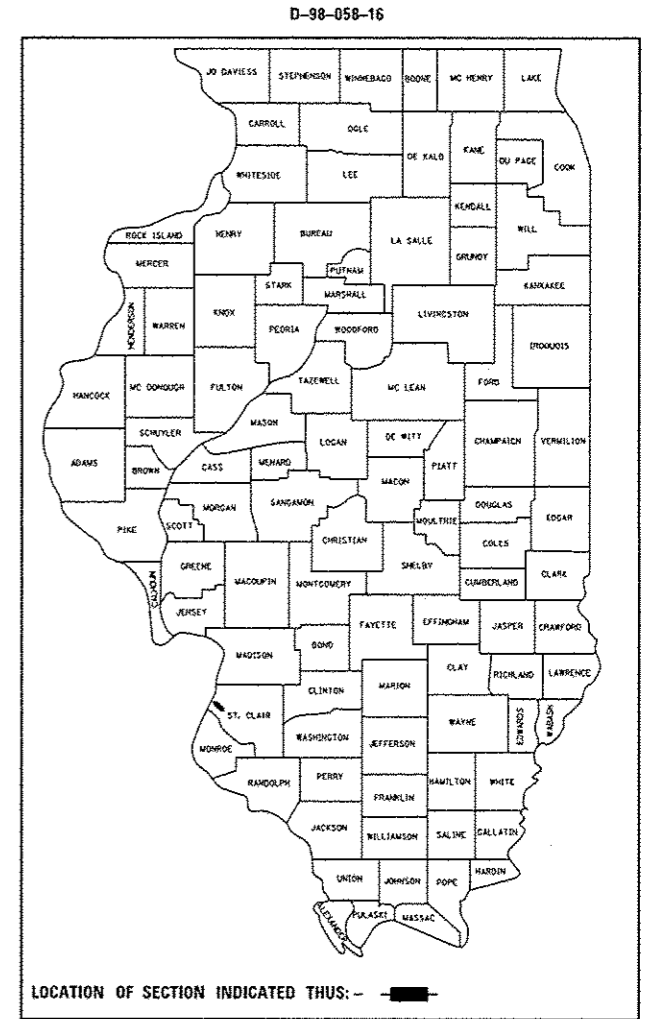
FAU ROUTE 9179 (PIGGOTT AVE.)  
SECTION 17RS-1

HALF SMART RESURFACING  
ST. CLAIR COUNTY

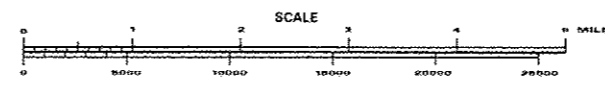
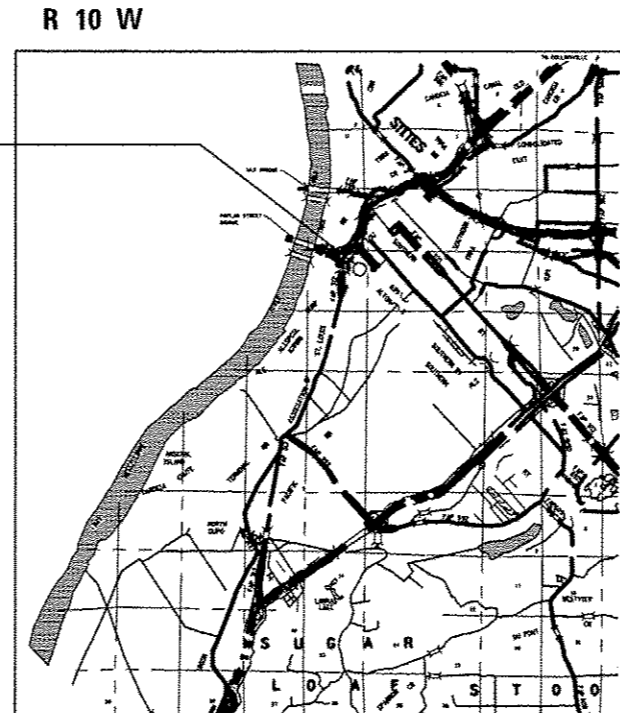
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TRAFFIC DATA

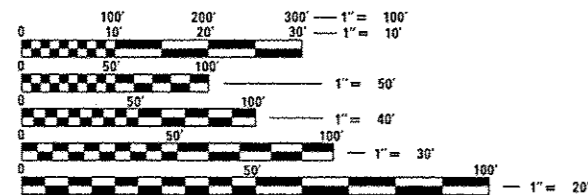
2013 ADT = 175 (ACTUAL)  
2017 ADT = 175 (ESTIMATED)  
SU: 2.0% MU: 0.5%



PROJECT LOCATION  
BEGIN STA. 1+00  
END STA. 11+00



GROSS LENGTH = 1000.00 FT. = 0.189 MILE  
NET LENGTH = 1000.00 FT. = 0.189 MILE



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 : TIM PADGETT (618) 346-3325  
PROJECT MANAGER: STEPHANE B. SECK BIRHAME (618) 346-3208

CONTRACT NO. 76J74

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Feb 3 2017*  
*Jeffrey Z. Kar...*  
REGIONAL ENGINEER

*Mar 24 2017*  
*Margaret M. Addis PE*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Mar 24 2017*  
*[Signature]*  
DIRECTOR OF PROGRAM DEVELOPMENT

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OF THE STATE OF ILLINOIS

**INDEX OF SHEETS**

1. COVER SHEET
2. INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES AND COMMITMENTS
3. SUMMARY OF QUANTITIES
4. TYPICAL SECTIONS
5. SCHEDULE OF QUANTITIES
6. PLAN SHEET
7. DETAILS SHEET

**LIST OF HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701301-04 LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701601-09 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH MONTRAVERSALE MEDIAN
- 701901-06 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS

**GENERAL NOTES**

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
AMEREN ILLINOIS *	X	X
AT & T ILLINOIS *	X	X
CHARTER COMMUNICATIONS INC. *	X	X
CITY OF EAST ST. LOUIS *	X	X
ILLINOIS AMERICAN WATER COMPANY *		X

MEMBERS OF J.U.L.I.E CALL TOLL FREE (800) 892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. 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)-847-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.
3. THE RATES OF APPLICATION SHOWN IN THE PLANS ARE NOMINAL RATES. DEVIATIONS WILL BE ALLOWED AS SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH STANDARD SPECIFICATIONS.
4. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
5. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.
6. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN IN THE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
9. THE CONTRACTOR SHALL NOTE THE LOCATION OF THE MANHOLE LOCATED WITHIN THE CONSTRUCTION LIMITS ON THE NORTH END OF THIS PROJECT. APPROPRIATE CARE SHALL BE TAKEN TO PROTECT THIS ITEM DURING RESURFACING OPERATIONS.
10. FLAGMEN SHALL BE PRESENT DURING ALL LANE CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.

11. THE THICKNESS OF THE HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURES ARE PLACED.
12. A QUANTITY OF 33.5 TON OF HMA LEVELING BINDER IS INCLUDED IN THE SUMMARY OF QUANTITIES FOR THE PURPOSE OF FILLING THE VARIOUS DIPS IN THE PAVEMENT.
13. THE USE OF VIBRATORY ROLLER IS PROHIBITED IN RESIDENTIAL AREAS. THIS DOES NOT RELIEVE THE CONTRACTOR OF DENSITY REQUIREMENTS FOR THE BITUMINOUS PAVEMENTS AS SPECIFIED IN THE APPROPRIATE SECTIONS OF THE STANDARD SPECIFICATIONS.
14. NO OVERNIGHT LANE CLOSURES WILL BE PERMITTED.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE	LEVEL BINDER
AC/PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes = 70
RAP % (MAX)	SEE SPECIAL PROVISION
MIX. COMP. (GRADATION)	IL 9.5 FG
FRICTION AGGREGATE	MIXTURE "C" *
QUALITY MGMT PROGRAM	OC/OA

PLAN QUANTITIES FOR HOT MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB/SQ YD/IN (58.9 KG/SQ M/25 MM THICKNESS)

- \* ADD FRICTION AGGREGATE MIXTURE PER BOE SPECIAL PROVISION REQUIREMENTS FOR BST AI

**COMMITMENTS**

NONE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS

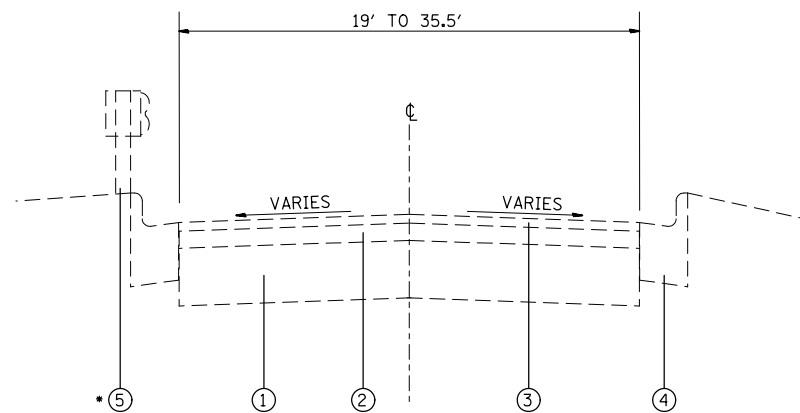
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Default	Default	Default	Default	SCALE: NOT TO SCALE   SHEET 1 OF 1 SHEETS   STA. TO STA.				CONTRACT NO. 76J74
				FED. ROAD DIST. NO. 12 ILLINOIS FED. AID PROJECT				

7/13/17

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE
				100 % STATE URBAN
				ROADWAY 0005 ✓ S. N.
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1843	1843
40600635	LEVELING BINDER (MACHINE METHOD). N70	TON	196	196
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	175	175
40600990	TEMPORARY RAMP	SQ YD	407	407
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10	10
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	44	44
67100100	MOBILIZATION	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	19	19
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	16	16
* 73000100	WOOD SIGN SUPPORT	FOOT	29	29
X1500001	BITUMINOUS SURFACE TREATMENT. (PREVENTIVE MAINTENANCE)	SQ YD	3813	3813

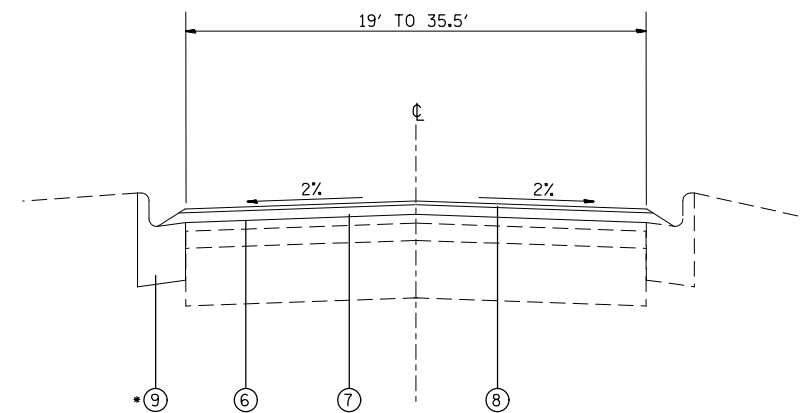
13

\* SPECIALTY ITEM



**EXISTING TYPICAL SECTION**  
STA. 1+00 TO STA. 11+00

• STA. 7+03 TO STA. 7+47



**PROPOSED TYPICAL SECTION**  
STA. 1+00 TO STA. 11+00

• STA. 7+03 TO STA. 7+47

**LEGEND**

- ① EXISTING BRICK PAVEMENT
- ② EXISTING HMA SURFACE COURSE
- ③ EXISTING BITUMINOUS SURFACE TREATMENT (A2)
- ④ EXISTING COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- ⑤ EXISTING GUARDRAIL
- ⑥ PROPOSED BITUMINOUS MATERIALS (TACK COAT)
- ⑦ PROPOSED LEVELING BINDER (MACHINE METHOD), N70 - 0.75"
- ⑧ PROPOSED BITUMINOUS SURFACE TREATMENT (PREVENTIVE MAINTENANCE)
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

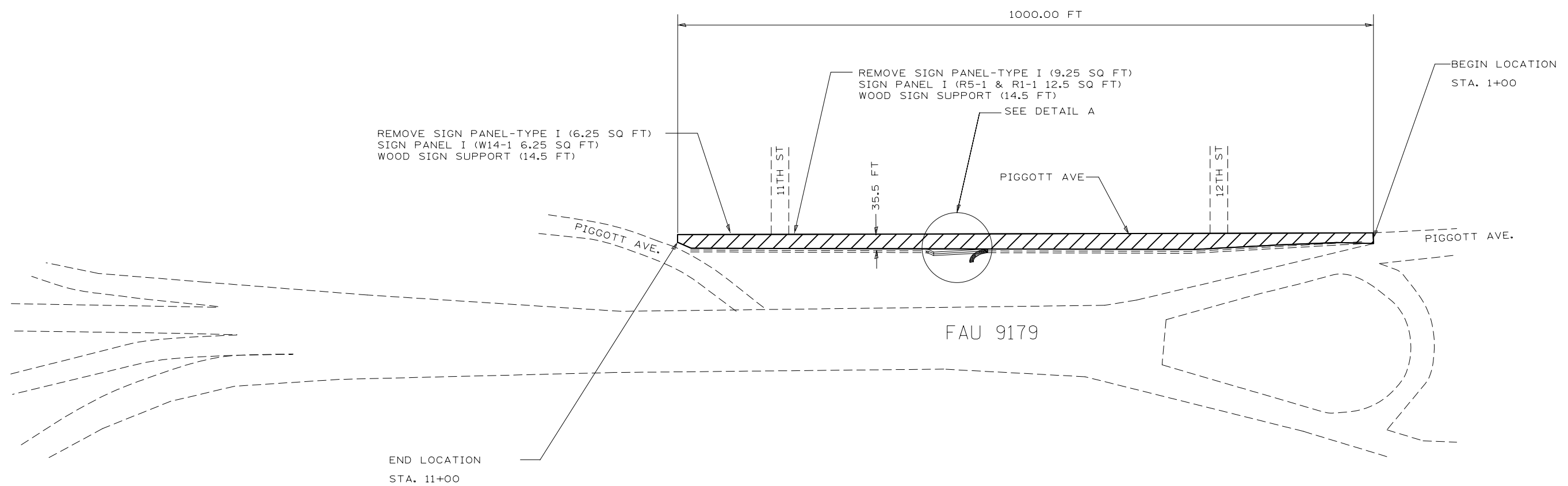
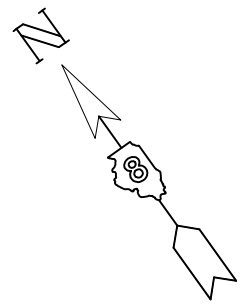
<b>TYPICAL SECTIONS</b>			
SCALE:	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9179	17RS-1	ST. CLAIR	7	4
CONTRACT NO. 76J74				
ILLINOIS FED. AID PROJECT				

RESURFACING SCHEDULE				
STATION		LEVELING BINDER (MACHINE METHOD), N70	BITUMINOUS SURFACE TREATMENT (PREVENTIVE MAINTENANCE)	BITUMINOUS MATERIALS (TACK COAT)
		TONS	SQ YD	POUNDS
1+00	11+00	154.8	3685.94	1658.67
DIP AREAS EXTRA BINDER*		33.5		105.74
1+00		1.99		21.37
3+30		2.31	55	24.75
8+70		3.04	72.5	32.6
TOTAL		195.6	3813.4	1843.1

\*BASED ON MEASURED DIP AREAS

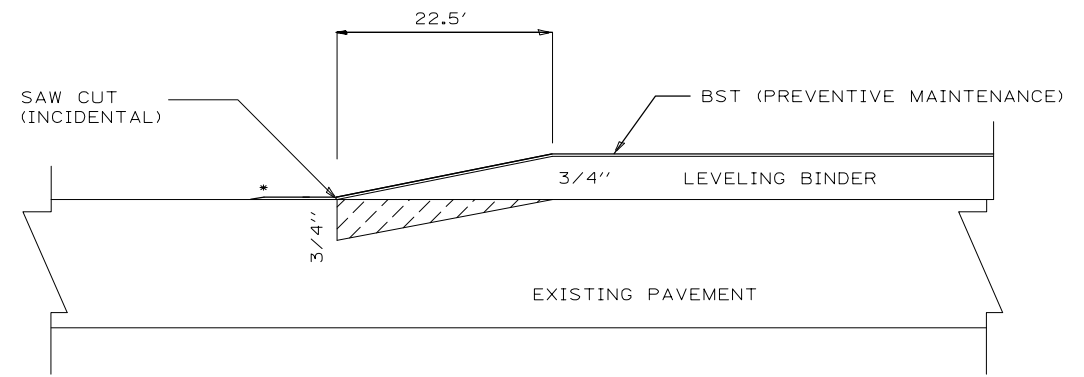
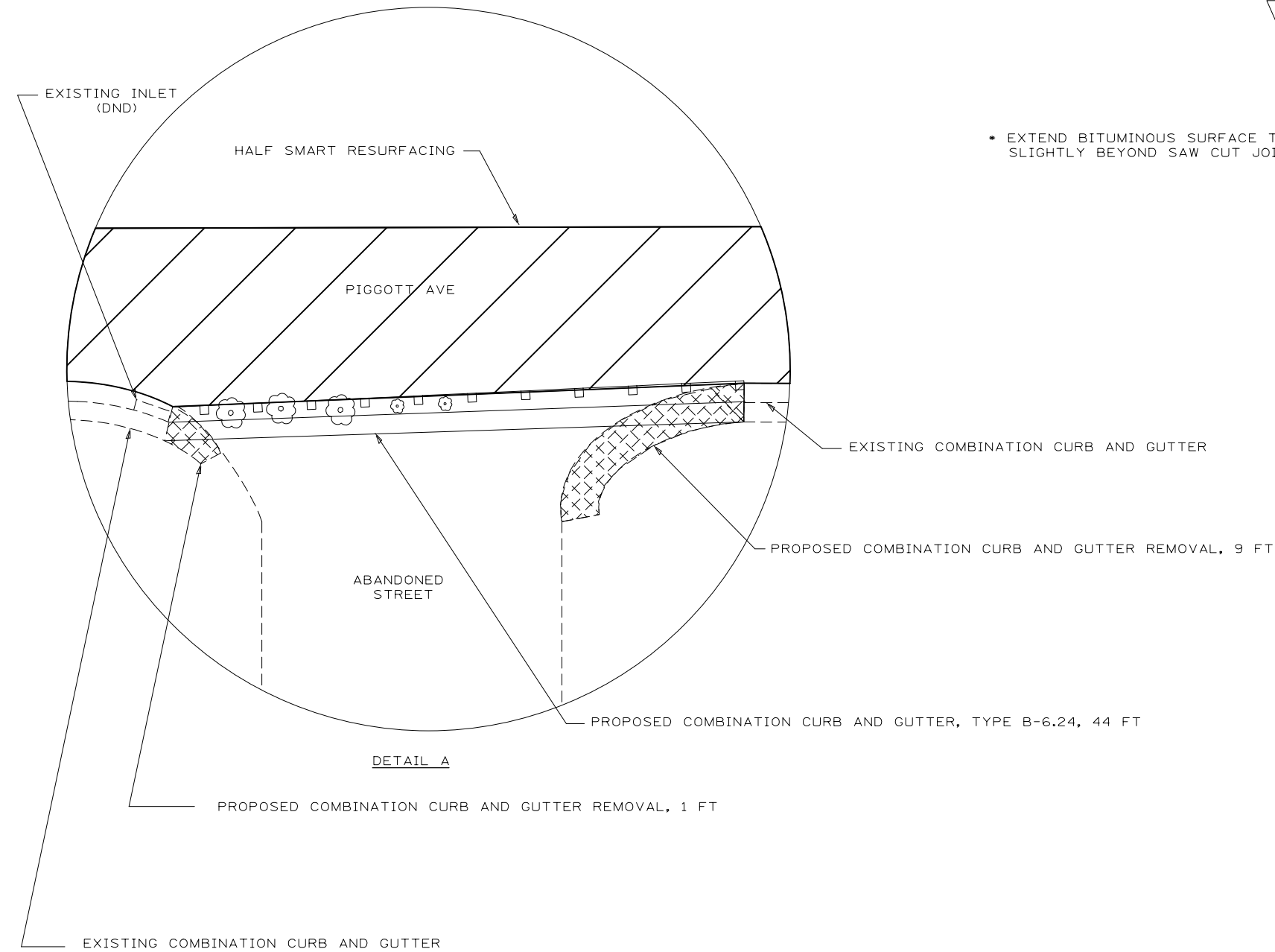
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SCHEDULE					
LOCATION	LENGTH	WIDTH	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	COMMENTS
STATION	FEET	FEET	SQ YD	SQ YD	
1+00	22.5	19	47.5		BEGIN RESURFACING
3+30	22.5	22	55	73.33	12th STREET
4+59				118.33	END OF 1ST DAY
7+61				118.33	END OF 2ND DAY
8+70	22.5	29	72.5	96.67	11th STREET
TOTAL			175	407	



NOT TO SCALE

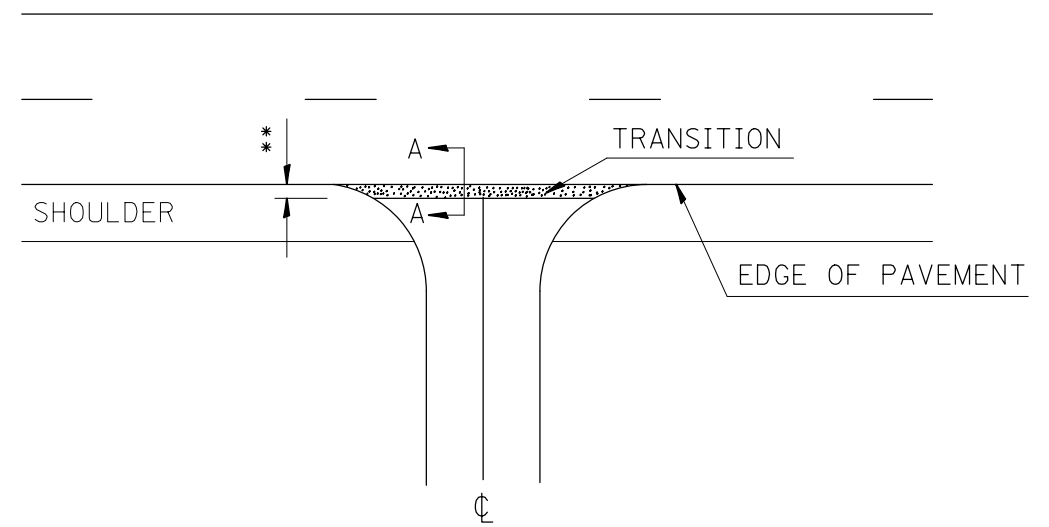
 HALF SMART RESURFACING LIMITS

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Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		CONTRACT NO. 76J74			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 2/22/2017				SCALE:	SHEET 1	OF 1	SHEETS	STA.	TO STA.		



\* EXTEND BITUMINOUS SURFACE TREATMENT (PREVENTIVE MAINTENANCE) SLIGHTLY BEYOND SAW CUT JOINT TO SEAL JOINT.

BUTT JOINT DETAIL



SIDEROAD DETAIL

*EOP ELEVATION CHANGE	**TOTAL TRANSITION LENGTH
3/4"	3.5'
1"	5'
1-1/2"	7.5'
2"	10'
2-1/2"	12.5'
3"	15'
3-1/2"	17.5'
4"	20'
4-1/2"	22.5'
5"	25'
5-1/2"	27.5'
6"	30'

NOTE:  
WHERE THE HMA TRANSITION IS MATCHING INTO AN EXISTING HMA SIDE ROAD SURFACE, A MILLED BUTT JOINT SHALL BE CONSTRUCTED WITHIN THE LIMITS OF THE TOTAL TRANSITION LENGTH ON THE LOCAL ROUTE

- NOTE:
- EXISTING GUARDRAIL AND TREES WILL BE REMOVED BY IDOT DISTRICT 8 OPERATIONS. IF NOT COMPLETED BEFORE THE COMMENCEMENT OF CONSTRUCTION, CONTACT MR. MIKE COX AT (618) 444-2288.
  - THE CONTRACTOR IS RESPONSIBLE FOR GRADING AT LOCATIONS WHERE COMBINATION CURB AND GUTTERS WILL BE REMOVED TO THE ENGINEER'S SATISFACTION.

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	PLOT DATE = 2/22/2017	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9179	17RS-1	ST. CLAIR	7	7
CONTRACT NO. 76J74				
ILLINOIS FED. AID PROJECT				