

FBI ROUTE	SECTION	COUNTY
TE-0000(100)	ST CLAIR	ILLINOIS
CONTRACT NO. 97500		
FEDERAL AID PROJECT		

THOUVENOT,
WADE &
MOERCHEN, INC.
ENGINEERS & SURVEYORS



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

EDWARDSVILLE OFFICE
600 COUNTRY CLUB VIEW, SUITE 1
EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com

ST. LOUIS OFFICE
720 OLIVE ST., SUITE 200 A
ST. LOUIS, MISSOURI 63101
TEL (314) 241-6300
stlouis@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	104-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-055022
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000366

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY:
I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

LOCATION	TO	LOCATION	COMB. CONC. CURB & GUTTER REMOVAL	SIDEWALK REMOVAL	COMB. CONC. CURB & GUTTER TYPE B5.24	COMB. CONC. CURB & GUTTER TYPE M6.16	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	DETECTABLE WARNINGS					
STATION	OFFSET	LR	STATION	OFFSET	LR	FEET	SQ FT	FEET	SQ FT	FEET	SQ FT	FEET	SQ FT
33+39.35	13.78	R	TO	33+81.25	12.49	R	42					52	14
38+58.58	0.00		TO	38+65.40	0.00								
38+65.90	5.00	L	TO	38+65.90	5.00	R	10						
39+32.41	20.05	L	TO	39+46.55	5.12	R	30						
39+39.57	20.08	L	TO	39+54.67	0.50			75		30			
39+33.73	63.77	R	TO	39+40.85	45.39	R	11					221	34
39+37.08	49.28	R	TO	39+36.75	60.57	R				11		81	17
40+89.64	0.00		TO	41+08.08	0.00							173	14
41+08.92	7.00	R	TO	41+09.59	7.00	L	14			14			
41+39.89	6.52	L	TO	41+40.11	6.48	R	13			13			
41+40.27	0.00		TO	41+46.27	0.00							54	14
42+77.24	0.00		TO	42+83.24	0.00							54	14
42+83.21	6.50	R	TO	42+83.28	6.50	L	13			13			
43+13.37	13.87	R	TO	43+20.12	5.09	R	12			12			
43+15.72	8.67	R	TO	46+16.32	4.00	R						1,497	8
46+03.76	3.97	R	TO	46+12.21	4.50	L	9			9			
46+11.97	0.00		TO	46+17.97	0.00							54	14
48+66.85	0.00		TO	48+92.85	0.00							48	14
49+17.96	0.00		TO	49+23.97	0.00							48	14
TOTAL							154	131	120	34	2,282		157

STATION	LOCATION	4" SOLID YELLOW LINE	4" YELLOW DASHED 3'-9" SKIP DASH	12" SOLID WHITE LINE
		FEET	FEET	FEET
27+35.19	TO 28+97.27		66	
29+97.27	TO 30+62.32	65		
31+53.49	TO 31+88.56	36		
31+88.56	TO 36+11.24		90	
36+11.24	TO 38+65.09	264		
38+65.23	L TO 39+34.59			66
38+68.23	R TO 39+34.12			66
39+34.12	R TO 39+33.77			45
39+40.83	R TO 38+26.57			40
39+50.76	TO 39+70.75	30		
39+70.75	TO 40+79.05		24	
40+79.05	TO 41+00.00	30		
41+03.07				4
41+11.38	TO 41+37.67			68
41+42.78	TO 41+60.29	33		
41+49.05				4
41+60.29	TO 42+60.03		21	
42+60.03	TO 42+77.23	30		
42+74.90				4
46+14.47	TO 46+31.97	30		
46+20.04				4
46+31.97	TO 48+72.75		60	
48+72.75	TO 48+90.35	30		
48+85.15				4
48+92.85	TO 49+17.96			59
49+22.40	TO 49+42.63	30		
49+27.47				4
49+42.63	TO 52+56.88		78	
TOTAL		678	339	368

STATION	OFFSET	SIGN TYPE	SIZE (BY)		SIGN PANEL TYPE 1 (SQ FT)	WOOD SIGN SUPPORT (FOOT)	
			L	W			
28+72.75	7.75	RT W1-2	ADVANCE CURVE WARNING	18	18	2.25	10.50
32+62.43	7.75	LT W7-5	ADVANCE DOWNGRADE WARNING	18	18	2.25	10.50
33+79.63	8.00	LT W1-2	ADVANCE CURVE WARNING	18	18	2.25	10.50
34+10.67	7.75	RT R9-6	YIELD TO PEDESTRIANS	12	18	1.50	11.00
34+14.96	8.00	LT R5-3	NO MOTOR VEHICLES	24	24	4.00	10.50
35+06.54	8.00	RT R-SP	"RIDERS SHALL DISMOUNT AND WALK"	24	24	4.00	11.00
38+55.59	6.24	LT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
38+55.59	6.24	LT M7-1	DIRECTIONAL ARROW	12	9	0.75	
38+55.53	4.00	LT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
38+55.53	4.00	LT M7-1	DIRECTIONAL ARROW	12	9	0.75	
38+60.34	7.05	LT R9-6	"USE PED SIGNAL"	12	18	1.50	
38+60.43	7.05	LT R10-4B	"PUSH BUTTON FOR WALK"	9	12	0.75	
39+42.31	9.75	LT R9-6	"USE PED SIGNAL"	12	18	1.50	
39+42.31	9.75	LT R10-4B	"PUSH BUTTON FOR WALK"	9	12	0.75	
39+61.20	8.68	RT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
40+00.00	42.00	RT W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
40+00.00	42.00	RT W16-1	"SHARE THE ROAD"	18	24	3.00	
40+50.00	8.00	RT R-SP	"RIDERS SHALL DISMOUNT AND WALK"	24	24	4.00	11.00
40+89.07	8.50	RT R1-1	STOP	18	18	2.25	10.50
40+97.73	8.00	LT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
40+97.73	8.00	LT M7-1	DIRECTIONAL ARROW	12	9	0.75	
41+00.09	8.00	LT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
41+00.09	8.00	LT M7-1	DIRECTIONAL ARROW	12	9	0.75	
JOSEPHINE 100' NORTH		W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
JOSEPHINE 100' NORTH		W16-1	"SHARE THE ROAD"	18	24	3.00	
41+04.62	8.00	LT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
41+04.62	8.00	LT W16-7P	DIAGONAL ARROW	12	24	2.00	
41+42.83	8.00	RT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
41+42.83	8.00	RT W16-7P	DIAGONAL ARROW	12	24	2.00	
41+45.54	8.00	LT R11-1	STOP	18	18	2.25	10.50
41+45.54	8.00	RT R5-3	NO MOTOR VEHICLES	24	24	4.00	10.50
41+71.39	8.00	LT R-SP	"RIDERS SHALL DISMOUNT AND WALK"	24	24	4.00	11.00
42+79.09	8.00	RT R1-1	STOP	18	18	2.25	10.50
42+79.09	8.00	LT R5-3	NO MOTOR VEHICLES	24	24	4.00	10.50
42+80.81	10.00	LT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
42+80.81	10.00	LT W16-7P	DIAGONAL ARROW	12	24	2.00	
42+80.81	100.00	LT W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
42+80.81	100.00	LT W16-1	"SHARE THE ROAD"	18	24	3.00	
43+16.12	15.00	RT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
43+16.12	15.00	RT W16-7P	DIAGONAL ARROW	12	24	2.00	
43+16.12	100.00	RT W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
43+16.12	100.00	RT W16-1	"SHARE THE ROAD"	18	24	3.00	
43+30.86	5.00	RT D11-1	"BIKE ROUTE"	24	18	3.00	10.50
43+56.57	28.00	LT R5-1B	"WRONG WAY"	18	12	1.50	11.00
43+56.57	28.00	LT R9-3C	"RIDE WITH TRAFFIC"	12	12	1.00	
45+08.06	8.00	RT W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
45+08.06	8.00	RT W16-1	"SHARE THE ROAD"	18	24	3.00	
45+59.17	6.00	RT R5-1B	"WRONG WAY"	18	12	1.50	11.00
45+59.17	6.00	RT R9-3C	"RIDE WITH TRAFFIC"	12	12	1.00	
46+00.00	5.00	RT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
46+00.00	5.00	RT W16-7P	DIAGONAL ARROW	12	24	2.00	
46+05.98	30.00	LT D11-1	"BIKE ROUTE"	24	18	3.00	11.00
46+05.98	30.00	LT M7-1	DIRECTIONAL ARROW	9	12	0.75	
46+08.06	30.00	LT W1-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
46+08.06	30.00	LT W16-7P	DIAGONAL ARROW	12	24	2.00	
CASTLE DR 100' EAST		W11-1	BICYCLE WARNING SIGN	24	24	4.00	11.00
CASTLE DR 100' EAST		W16-1	"SHARE THE ROAD"	18	24	3.00	
46+15.61	15.00	LT D11-1	"BIKE ROUTE"	24	18	3.00	11.00
46+15.61	15.00	LT M7-1	DIRECTIONAL ARROW	9	12	0.75	
46+19.24	8.00	LT R1-1	STOP	18	18	2.25	10.50
46+24.92	8.00	RT R5-3	NO MOTOR VEHICLES	18	18	2.25	10.50
46+88.47	9.40	LT R5-3	NO MOTOR VEHICLES	24	24	4.00	10.50
46+88.64	9.40	RT R11-1	STOP	18	18	2.25	10.50
49+21.51	9.40	LT R1-1	STOP	18	18	2.25	10.50
49+21.69	8.00	RT R5-3	NO MOTOR VEHICLES	24	24	4.00	10.50
50+14.95	7.75	LT W1-1	ADVANCE CURVE WARNING	18	18	2.25	10.50
52+00.00	7.50	RT R9-6	"YIELD TO PEDESTRIANS"	12	18	1.50	10.50
TOTAL						176	461.6

SCHEDULE OF QUANTITIES

PROJECT: RICHLAND CREEK BIKE TRAIL
PHASE 2B
VILLAGE OF SWANSEA
ST CLAIR COUNTY

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JVV	SHEET 4
DESIGNED BY: JVV	OF 46 SHEETS
CHECKED BY: MJK	PROJECT DESCRIPTION
APPROVED BY: JVV	PROJECT NUMBER M19100072A

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR RECORD DRAWING