

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	1331-1	MADISON	29	6
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

STA	to	STA	UNADJUSTED CHANNEL EXCAVATION (CU YD)	CHANNEL EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
553+50.00	to	554+00.00	45.4	34.1	4.8	29.3
554+00.00	to	554+50.00	59.7	44.8	3.3	41.5
554+50.00	to	555+00.00	54.8	41.1	4.5	36.6
555+00.00	to	555+50.00	53.4	40.1	5.5	34.6
555+50.00	to	556+00.00	52.6	39.5	5.4	34.1
556+00.00	to	556+50.00	45.6	34.2	7.5	26.7
556+50.00	to	557+00.00	35.8	26.9	11.2	15.7
557+00.00	to	557+26.14	17.2	12.9	7.3	5.6
557+26.14	to	557+50.00	7.9	5.9	3.5	2.4
TOTAL =			327.0	245.4	48.2	197.2
ROUNDED TOTAL =			327	245	48	197

STA	to	STA	UNADJUSTED CHANNEL EXCAVATION (CU YD)	CHANNEL EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
178+00.00	to	178+21.47	1.4	1.1	0.1	1.0
178+21.47	to	178+30.00	1	0.8	0.1	0.7
178+30.00	to	178+40.00	1.1	0.8	0.1	0.7
178+40.00	to	178+60.00	2.4	1.8	0.2	1.6
178+60.00	to	178+80.00	4.4	3.3	0.9	2.4
178+80.00	to	179+00.00	5.6	4.2	0.9	3.3
179+00.00	to	179+20.00	6.7	5	0.3	4.7
179+20.00	to	179+40.00	13.8	10.4	0.2	10.2
TOTAL =			36.4	27.4	2.8	24.6
ROUNDED TOTAL =			36	27	3	25

STA	to	STA	UNADJUSTED CHANNEL EXCAVATION (CU YD)	CHANNEL EXCAVATION ADJUSTED FOR 25% SHINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
546+00.00	to	546+05.00	1.5	1.1	0.0	1.1
546+05.00	to	546+55.00	30.8	23.1	1.5	21.6
546+55.00	to	547+00.00	27.9	20.9	5.2	15.7
547+00.00	to	547+50.00	34.9	26.2	13.7	12.5
547+50.00	to	548+00.00	41.4	31.1	18.5	12.6
548+00.00	to	548+50.00	47.5	35.6	17.9	17.7
548+50.00	to	549+00.00	52.6	39.5	17.8	21.7
549+00.00	to	549+50.00	56	42	23.3	18.7
549+50.00	to	550+00.00	59.2	44.4	28.6	15.8
550+00.00	to	550+50.00	59.8	44.9	30.7	14.2
550+50.00	to	551+00.00	58.8	44.1	33.3	10.8
551+00.00	to	551+50.00	61.9	46.4	31.5	14.9
551+50.00	to	552+00.00	46.6	35	24.1	10.9
TOTAL =			578.9	434.3	246.1	188.2
ROUNDED TOTAL =			579	434	246	188

STATION 1	TO	STATION 2	LENGTH (Ft.)	LEFT				RIGHT			
				WIDTH 1 (Ft.)	WIDTH 2 (Ft.)	AVG. WIDTH	AREA (SQYD)	WIDTH 1 (Ft.)	WIDTH 2 (Ft.)	AVG. WIDTH	AREA (SQYD)
178+00.00	to	178+21.47	21.47	0	8.13	4.07	9.70	0	8.63	4.32	10.29
178+21.47	to	178+30.00	8.53	8.13	8.29	8.21	7.78	8.63	8.78	8.71	8.25
178+30.00	to	178+40.00	10.00	8.29	8.48	8.39	9.32	8.78	8.99	8.89	9.87
178+40.00	to	178+60.00	20.00	8.48	8.39	8.44	18.74	8.99	8.99	9.44	20.98
178+60.00	to	178+80.00	20.00	8.39	9.15	8.77	19.49	9.89	8.94	9.42	20.92
178+80.00	to	179+00.00	20.00	9.15	9.69	9.42	20.93	8.94	11.15	10.05	22.32
179+00.00	to	179+20.00	20.00	9.69	9.67	9.68	21.51	11.15	13.61	12.38	27.51
179+20.00	to	179+40.00	20.00	9.67	20.26	14.97	33.26	13.61	21.18	17.40	38.66
TOTAL			140.73								158.81
GRAND TOTAL								300			

STATION 1	TO	STATION 2	LENGTH (Ft.)	LEFT				RIGHT			
				WIDTH 1 (Ft.)	WIDTH 2 (Ft.)	AVG. WIDTH	AREA (SQYD)	WIDTH 1 (Ft.)	WIDTH 2 (Ft.)	AVG. WIDTH	AREA (SQYD)
546+00.00	to	546+05.00	5.00	0	2.08	1.04	0.58	0	1.14	0.57	0.32
546+05.00	to	546+55.00	50.00	2.08	2.04	2.06	11.44	1.14	1.08	1.11	6.17
546+55.00	to	547+00.00	45.00	2.04	1.95	2.00	9.98	1.08	1.09	1.09	5.43
547+00.00	to	547+50.00	50.00	1.95	1.94	1.95	10.81	1.09	1.19	1.14	6.33
547+50.00	to	548+00.00	50.00	1.94	1.91	1.93	10.69	1.19	1.31	1.25	6.94
548+00.00	to	548+50.00	50.00	1.91	1.75	1.83	10.17	1.31	1.38	1.35	7.47
548+50.00	to	549+00.00	50.00	1.75	1.62	1.69	9.36	1.38	1.44	1.41	7.83
549+00.00	to	549+50.00	50.00	1.62	1.49	1.56	8.64	1.44	1.47	1.46	8.08
549+50.00	to	550+00.00	50.00	1.49	1.42	1.46	8.08	1.47	1.53	1.50	8.33
550+00.00	to	550+50.00	50.00	1.42	1.4	1.41	7.83	1.53	1.55	1.54	8.56
550+50.00	to	551+00.00	50.00	1.4	1.41	1.41	7.81	1.55	1.47	1.51	8.39
551+00.00	to	551+50.00	50.00	1.41	10.36	5.89	32.69	1.47	1.37	1.42	7.89
551+50.00	to	552+00.00	50.00	10.36	9.61	9.99	55.47	1.37	1.36	1.37	7.58
552+00.00	to	553+50.00	150.00	9.61	9.87	9.74	162.33	1.36	1.69	1.53	25.42
553+50.00	to	554+00.00	50.00	9.87	10.36	10.12	56.19	1.69	1.69	1.69	9.39
554+00.00	to	554+50.00	50.00	10.36	1.45	5.91	32.81	1.69	1.49	1.59	8.83
554+50.00	to	555+00.00	50.00	1.45	1.47	1.46	8.11	1.49	1.71	1.60	8.89
555+00.00	to	555+50.00	50.00	1.47	1.59	1.53	8.50	1.71	1.6	1.66	9.19
555+50.00	to	556+00.00	50.00	1.59	1.44	1.52	8.42	1.6	1.56	1.58	8.78
556+00.00	to	556+50.00	50.00	1.44	1.3	1.37	7.61	1.56	1.69	1.63	9.03
556+50.00	to	557+00.00	50.00	1.3	1.45	1.38	7.64	1.69	1.8	1.75	9.69
557+00.00	to	557+26.14	26.14	1.45	1.47	1.46	4.24	1.8	1.68	1.74	5.05
557+26.14	to	557+50.00	23.86	1.47	0	0.74	1.95	1.68	0	0.84	2.23
TOTAL			764.05								185.83
GRAND TOTAL								950			

Station	Offset	Direction
546+15.24	26.22'	LT
546+32.09	26.22'	LT
546+16.36	26.82'	RT
546+33.70	26.96'	RT

Station	to	Station	Length (Ft.)	Width 1 (Ft.)	Width 2 (Ft.)	Avg. Width (Ft.)	Area (sq.yd.)
546+05.00	to	546+50.00	45.00	2.50	3.40	3.0	15
546+50.00	to	547+00.00	50.00	3.40	4.00	3.7	21
547+00.00	to	547+50.00	50.00	4.00	4.00	4.0	22
547+50.00	to	548+00.00	50.00	4.00	4.00	4.0	22
548+00.00	to	548+50.00	50.00	4.00	4.00	4.0	22
548+50.00	to	549+00.00	50.00	4.00	4.00	4.0	22
549+00.00	to	549+50.00	50.00	4.00	4.00	4.0	22
549+50.00	to	550+00.00	50.00	4.00	4.00	4.0	22
550+00.00	to	550+50.00	50.00	4.00	4.00	4.0	22
550+50.00	to	551+00.00	50.00	4.00	4.00	4.0	22
551+00.00	to	552+00.00	100.00	4.00	4.00	4.0	44
552+00.00	to	552+45.31	45.31	4.00	4.00	4.0	20
Gap for St. James Road							
553+31.22	to	553+50.00	18.78	4.00	4.00	4.0	8
553+50.00	to	554+00.00	50.00	4.00	4.00	4.0	22
554+00.00	to	554+50.00	50.00	4.00	4.00	4.0	22
554+50.00	to	555+00.00	50.00	4.00	4.00	4.0	22
555+00.00	to	555+50.00	50.00	4.00	4.00	4.0	22
555+50.00	to	556+00.00	50.00	4.00	4.00	4.0	22
556+00.00	to	556+50.00	50.00	4.00	4.00	4.0	22
556+50.00	to	557+00.00	50.00	4.00	4.00	4.0	22
557+00.00	to	557+26.14	26.14	4.00	4.00	4.0	12
Total = 419							

Station	to	Station	Length (Ft.)	Width 1 (Ft.)	Width 2 (Ft.)	Avg. Width (Ft.)	Area (sq.yd.)
546+05.00	to	546+50.00	45.00	2.50	3.40	3.0	15
546+50.00	to	547+00.00	50.00	3.40	4.00	3.7	21
547+00.00	to	547+50.00	50.00	4.00	4.00	4.0	22
547+50.00	to	548+00.00	50.00	4.00	4.00	4.0	22
548+00.00	to	548+50.00	50.00	4.00	4.00	4.0	22
548+50.00	to	549+00.00	50.00	4.00	4.00	4.0	22
549+00.00	to	549+50.00	50.00	4.00	4.00	4.0	22
549+50.00	to	550+00.00	50.00	4.00	4.00	4.0	22
550+00.00	to	550+50.00	50.00	4.00	4.00	4.0	22
550+50.00	to	551+00.00	100.00	4.00	4.00	4.0	44
551+00.00	to	551+50.00	50.00	4.00	4.00	4.0	22
551+50.00	to	552+00.00	105.56	4.00	4.00	4.0	5
Gap for St. James Road							
553+64.57	to	554+00.00	35.43	4.00	4.00	4.0	16
554+00.00	to	554+50.00	50.00	4.00	4.00	4.0	22
554+50.00	to	555+00.00	50.00	4.00	4.00	4.0	22
555+00.00	to	555+50.00	50.00	4.00	4.00	4.0	22
555+50.00	to	556+00.00	50.00	4.00	4.00	4.0	22
556+00.00	to	556+50.00	50.00	4.00	4.00	4.0	22
556+50.00	to	557+00.00	50.00	4.00	4.00	4.0	22
557+00.00	to	557+26.14	26.14	4.00	4.00	4.0	12
Total = 399							

Station	to	Station	Length (Ft.)	Width 1 (Ft.)	Width 2 (Ft.)	Avg. Width (Ft.)	Area (sq.yd.)
178+00.00	to	178+21.47	21.47	0.00	7.13	3.6	9
178+21.47	to	178+30.00	8.53	7.13	7.29	7.2	7
178+30.00	to	178+40.00	10.00	7.29	7.48	7.4	8
178+40.00	to	178+60.00	20.00	7.48	6.03	6.8	15
178+60.00	to	178+80.00	20.00	6.03	3.97	5.0	11
178+80.00	to	179+00.00	20.00	3.97</			