

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
866	*	LAKE	554	117
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

\*(L-2[W,R],6,6A & 6 EXT) WRS-1

STA 238+00 TO STA 250+00

STRUCT NO	LOCATION		STRUCTURE TYPE	FRAME & LID OR GRATE	RIM ELEV	INVERT ELEVATION			
	STATION	OFFSET				NORTH	SOUTH	EAST	WEST
140	240+00.00	37.00 FT LT	FES, EL, 30 IN EO	HWY STD 542311				778.65	
141	240+00.00	24.75 FT RT	CB, TY A, 4 FT DIA	TY 10 FR & GR	781.11	778.32		777.23	777.58
150	240+90.00	40.00 FT LT	FES, 18 IN			778.95			
151	241+68.00	27.00 FT LT	MH, TY A, 4 FT DIA	TY 1 FR & CL	783.45	779.39	779.14		779.64
152	241+68.00	38.00 FT LT	CB, TY A, 4 FT DIA	TY 24 FR & GR	783.19	779.71		779.71	
153	241+88.00	32.00 FT LT	CB, TY C	TY 8 GR	783.40	779.89			
154	242+60.00	27.00 FT LT	CB, TY A, 4 FT DIA	TY 8 GR	784.50	780.56	779.69		
155	242+60.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	783.36		780.11		
156	243+25.50	28.00 FT LT	CB, TY C	TY 8 GR	784.68		782.41		
160	245+46.00	34.00 FT LT	CB, TY C	TY 24 FR & GR	784.96	780.53			
161	245+85.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	784.92				781.60
162	245+85.00	34.00 FT LT	CB, TY A, 4 FT DIA	TY 24 FR & GR	784.48	780.35	780.35	781.35	
163	246+35.00	34.00 FT LT	CB, TY A, 4 FT DIA	TY 8 GR	782.87	780.12	780.12		
164	246+73.00	33.00 FT LT	CB, TY C	TY 8 GR	783.00		780.11		
165	246+73.00	19.00 FT LT	CB, TY A, 4 FT DIA	TY 24 FR & GR	783.67				780.13
166	246+73.00	27.00 FT LT	MH, TY A, 4 FT DIA	TY 1 FR & CL	783.75	779.95	779.95	780.05	780.05
167	247+63.00	19.00 FT LT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.71				779.56
168	247+63.00	27.00 FT LT	MH, TY A, 4 FT DIA	TY 1 FR & CL	782.95	779.52	779.52	779.52	
169	248+65.00	40.00 FT LT	CB, TY C	TY 8 GR	781.50			779.49	
170	248+65.00	28.31 FT LT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.29			779.40	779.40
171	248+65.00	12.00 FT LT	MH, TY A, 4 FT DIA	TY 1 FR & CL	782.66	778.85	779.02		779.27
172	249+04.70	12.00 FT LT	MH, TY A, 6 FT DIA	TY 1 FR & CL	782.77		778.50	777.00	777.10
173	248+14.00	27.30 FT LT	MH, TY A, 4 FT DIA	TY 1 FR & CL	782.90		777.06	777.06	
174	248+05.70	32.64 FT RT	EX MH		782.00			776.64	776.78

STA 238+00 TO STA 250+00

PIPE NO	LOCATION				SIZE In	LENGTH ft	TYPE	SLOPE	TRENCH BACKFILL cu yd
	FROM		TO						
	STATION	OFFSET	STATION	OFFSET					
140	240+00.00	37.00 FT LT	240+00.00	24.75 FT RT	30 EO	53.3	1	2.00%	4.9
141	240+00.00	24.75 FT RT	240+00.00	29.25 FT RT	30 EO	2.1	1	2.00%	0.0
151	241+68.00	27.00 FT LT	240+90.00	40.00 FT LT	18	71.2	1	0.26%	7.4
152	241+68.00	38.00 FT LT	241+68.00	27.00 FT LT	12	7.2	1	1.00%	0.5
153	241+88.00	32.00 FT LT	241+68.00	38.00 FT LT	12	18.3	1	1.00%	0.2
154	242+60.00	27.00 FT LT	241+68.00	27.00 FT LT	15	88.4	1	0.34%	2.1
155	242+60.00	19.00 FT RT	240+00.00	24.75 FT RT	12	256.3	1	0.70%	33.6
156	243+25.50	28.00 FT LT	242+60.00	27.00 FT LT	12	61.7	1	3.00%	0.0
160	245+46.00	34.00 FT LT	245+85.00	34.00 FT LT	12	36.4	2	0.50%	5.5
161	245+85.00	19.00 FT RT	245+85.00	34.00 FT LT	12	50.4	1	1.00%	7.4
162	245+85.00	34.00 FT LT	246+35.00	34.00 FT LT	12	46.2	1	0.50%	0.0
163	246+35.00	34.00 FT LT	246+73.00	27.00 FT LT	12	34.9	1	0.50%	0.0
164	246+73.00	33.00 FT LT	246+73.00	27.00 FT LT	12	3.2	1	1.00%	0.0
165	246+73.00	19.00 FT LT	246+73.00	27.00 FT LT	12	4.2	1	1.00%	1.2
166	246+73.00	27.00 FT LT	247+63.00	27.00 FT LT	12	86.2	1	0.50%	3.8
167	247+63.00	19.00 FT LT	247+63.00	27.00 FT LT	12	4.2	1	1.00%	1.2
168	247+63.00	27.00 FT LT	248+65.00	12.00 FT LT	15	99.3	1	0.50%	19.6
169	248+65.00	40.00 FT LT	248+65.00	28.31 FT LT	12	9.1	1	1.00%	0.0
170	248+65.00	28.31 FT LT	248+65.00	12.00 FT LT	12	12.5	1	1.00%	3.1
171	248+65.00	12.00 FT LT	249+04.70	12.00 FT LT	15	34.9	1	1.00%	3.8
172	249+04.70	12.00 FT LT	20+67.09	42.75 FT RT	36	60.3	1	0.12%	28.9
173	248+14.00	27.30 FT LT	248+05.70	32.64 FT RT	18	56.7	2	0.50%	16.4

STA 250+00 TO STA 262+00

STRUCT NO	LOCATION		STRUCTURE TYPE	FRAME & LID OR GRATE	RIM ELEV	INVERT ELEVATION			
	STATION	OFFSET				NORTH	SOUTH	EAST	WEST
180	250+29.13	51.40 FT LT	INLET, TY A	TY 24 FR & GR	782.05	778.20			
181	250+75.00	31.00 FT LT	INLET, TY A	TY 24 FR & GR	782.98				778.96
182	250+50.00	55.00 FT LT	CB, TY A, 4 FT DIA	TY 8 GR	781.50			778.65	778.55
184	251+00.00	31.50 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & OL	784.11	778.17	778.17		
185	252+50.00	41.30 FT LT	FES, 24 IN	HWY STD 542311				780.00	
186	252+24.00	26.36 FT LT	CB, TY A, 5 FT DIA	TY 24 FR & GR	783.27			778.70	779.20
188	252+24.00	31.50 FT RT	MH, TY A, 6 FT DIA	TY 1 FR & OL	782.75	779.18	778.59		778.59
189	253+15.00	31.50 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	783.00	779.56	779.56		779.56
190	253+15.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	783.13	779.65		779.65	
191	253+33.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	783.13		779.80		
192	254+00.00	31.50 FT RT	CB, TY A, 4 FT DIA	TY 1 FR & CL	783.64		779.92		779.92
193	254+00.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	783.26			780.01	
200	256+45.00	19.00 FT RT	INLET, TY A	TY 24 FR & GR	783.13	779.88			
201	257+00.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	783.04	779.62	779.62	779.62	
202	257+10.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	783.05		779.66		
203	257+00.00	27.00 FT RT	MH, TY A, 4 FT DIA	TY 1 FR & CL	782.75	779.58			779.58
204	258+90.00	27.00 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	783.14	778.70	778.95		778.70
205	257+75.00	38.00 FT LT	FES, 12 IN			779.50			
206	258+04.00	43.00 FT LT	CB, TY A, 4 FT DIA	TY 8 GR	781.75	779.14	779.24		779.24
207	258+07.25	55.30 FT LT	FES, 12 IN					779.50	
208	258+67.00	68.00 FT LT	FES, 12 IN					780.50	
209	258+90.00	43.00 FT LT	CB, TY A, 5 FT DIA	TY 8 GR	782.00		778.93	778.93	779.43
210	259+14.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	783.00	779.75			
211	259+04.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.99		779.68	779.68	
212	259+04.00	27.00 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	782.66	778.68	778.68		779.64
213	261+00.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.63			779.38	
214	261+00.00	27.00 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	782.30	778.43	778.43		779.34
215	261+93.00	19.00 FT RT	CB, TY C	TY 24 FR & GR	782.44	779.20			
216	261+83.00	19.00 FT RT	CB, TY A, 4 FT DIA	TY 24 FR & GR	782.43		779.13	779.13	
217	261+83.00	27.00 FT RT	MH, TY A, 5 FT DIA	TY 1 FR & CL	782.58	778.33	778.33		779.09

STA 250+00 TO STA 262+00

PIPE NO	LOCATION				SIZE In	LENGTH ft	TYPE	SLOPE	TRENCH BACKFILL cu yd
	FROM		TO						
	STATION	OFFSET	STATION	OFFSET					
180	250+29.13	51.40 FT LT	19+27.14	44.30 FT LT	12	7.8	1	1.00%	0.7
181	250+75.00	31.00 FT LT	250+50.00	55.00 FT LT	12	32.0	1	1.00%	0.3
182	250+50.00	55.00 FT LT	19+00.00	43.00 FT LT	12	22.7	1	0.50%	0.0
184	251+00.00	31.50 FT RT	20+39.30	11.00 FT LT	30	158.5	2	0.35%	46.3
185	252+50.00	41.30 FT LT	252+24.00	26.36 FT LT	24	22.0	1	5.30%	0.0
186	252+24.00	26.36 FT LT	252+24.00	31.50 FT RT	30 EO	54.1	1	0.20%	10.7
188	252+24.00	31.50 FT RT	251+00.00	31.50 FT RT	30	118.7	1	0.35%	35.2
189	253+15.00	31.50 FT RT	252+24.00	31.50 FT RT	12	86.2	1	0.44%	5.8
190	253+15.00	19.00 FT RT	253+15.00	31.50 FT RT	12	8.7	1	1.00%	0.6
191	253+33.00	19.00 FT RT	253+15.00	19.00 FT RT	12	15.4	1	1.00%	0.9
192	254+00.00	31.50 FT RT	253+15.00	31.50 FT RT	12	81.2	1	0.44%	7.4
193	254+00.00	19.00 FT RT	254+00.00	31.50 FT RT	12	8.7	1	1.00%	0.3
200	256+45.00	19.00 FT RT	257+00.00	19.00 FT RT	12	52.4	1	0.50%	2.8
201	257+00.00	19.00 FT RT	257+00.00	27.00 FT RT	12	4.2	1	1.00%	0.2
202	257+10.00	19.00 FT RT	257+00.00	19.00 FT RT	12	7.4	1	0.50%	0.4
203	257+00.00	27.00 FT RT	258+90.00	27.00 FT RT	15	185.7	1	0.34%	18.9
204	258+90.00	27.00 FT RT	259+04.00	27.00 FT RT	30	9.2	1	0.22%	0.0
205	257+75.00	38.00 FT LT	258+04.00	43.00 FT LT	12	21.5	1	1.21%	0.0
206	258+04.00	43.00 FT LT	258+90.00	43.00 FT LT	18	81.7	1	0.26%	0.0
207	258+07.25	55.30 FT LT	258+04.00	43.00 FT LT	12	4.8	1	5.47%	0.0
208	258+67.00	68.00 FT LT	258+90.00	43.00 FT LT	12	25.5	1	4.20%	4.9
209	258+90.00	43.00 FT LT	258+90.00	27.00 FT RT	24 EO	65.2	1	0.35%	3.7
210	259+14.00	19.00 FT RT	259+04.00	19.00 FT RT	12	7.4	1	1.00%	0.4
211	259+04.00	19.00 FT RT	259+04.00	27.00 FT RT	12	3.7	1	1.00%	0.1
212	259+04.00	27.00 FT RT	261+00.00	27.00 FT RT	30	191.2	1	0.13%	62.7
213	261+00.00	19.00 FT RT	261+00.00	27.00 FT RT	12	3.7	1	1.00%	0.1
214	261+00.00	27.00 FT RT	261+83.00	27.00 FT RT	30	78.2	1	0.13%	9.9
215	261+93.00	19.00 FT RT	261+83.00	19.00 FT RT	12	7.4	1	1.00%	0.3
216	261+83.00	19.00 FT RT	261+83.00	27.00 FT RT	12	3.7	1	1.00%	0.0

NOTE:  
PIPES LISTED IN TABLES AS "EO" REFER TO HORIZONTAL ELLIPTICAL PIPE.  
THIS PIPE IS TO BE PAID FOR AS: PIPE CULVERTS, CLASS A, TYPE 1,  
OF THE EQUIVALENT ROUND SIZE SHOWN

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 83 FROM THE WISCONSIN STATE LINE TO NORTH OF PETITE LAKE ROAD <b>DRAINAGE TABLES</b> ILLINOIS ROUTE 83 STA 238+00 TO STA 262+00 DATE: 1/30
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