GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

10
306

TYPE CODE 7221

LAKE COUNTY
LAK-1-10.38

ITEM NO.	SHEET NUMBER 7	13	14	15	16	17	19	20	21	23	24	25	26	27	28	29	30	205	206	207	216	217	218	226	229	236	237	238	ITEM NO.	QUAN.	UNIT	DESCRIPTIONS
																																DRAINAGE
E-2			107	8	482	6	712	516	24	10	139	36		60	39	2	244			33			2		37		16		E-2	2473	C.Y.	Excavation for Structures
E-3			4601		170	185	6	6			15,574			8		334	1152			8					13		12		E-3	22,069	C.Y.	Channel Excavation
I-1																				54			114						I-1	168	L.F	12" Pipe for Driveways, Sec. M-6.4(a)
I-1																					50				40				I-1	90	L.F	15" Pipe for Driveways, Sec. M-6.4(a)
I-1																					46	44							I-1	90	L.F	24" Pipe for Driveways, Sec. M-6.4(a)
I-2						220			96																				I-2	316	L.F	6" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.5(b) or Sec. M-6.8(b)
I-2	1200		92			36		28			74																		I-2	1430	L.F	8" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.5(b) or Sec. M-6.8(b)
I-2									58							88													I-2	146	L.F	15" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.5(b) or Sec. M-6.8(b)
I-2			92	88								88																	I-2	268	L.F	18" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.5(b) or Sec. M-6.8(b)
I-2									68			184																	I-2	252	L.F	21" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.6(a) or Sec. M-6.8(b)
I-2				94								94				164													I-2	352	L.F	24" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.6(a) or Sec. M-6.8(b)
I-2													354									62	176						I-2	592	L.F	30" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.6(b) or Sec. M-6.8(b)
I-2																							72						I-2	72	L.F	36" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.6(b) or Sec. M-6.8(b)
I-2						56			16																				I-2	72*	L.F	4" Class "A" Storm Sewers
I-2													36			80							10						I-2	126	L.F	15" Class "A" Storm Sewers Sec. M-6.5(a) or Sec. M-6.8(a)
I-2													12				198						10						I-2	220	L.F	18" Class "A" Storm Sewers Sec. M-6.5(a) or Sec. M-6.8(a)
I-2													348																I-2	348	L.F	24" Class "A" Storm Sewers Sec. M-6.5(a) or Sec. M-6.8(a)
I-2										170																			I-2	170	L.F	15" Class "A" Storm Sewer Under Pav. or App., Sec. M-6.6(c)
I-2																	172												I-2	172	L.F	18" Class "A" Storm Sewers Under Pav. or App., Sec. M-6.6(c)
I-2							154																						I-2	154	L.F	18" Class "A" Storm Sewers Sec. M-6.5(b) or Sec. M-6.8(b)
I-2			140	130								260				162													I-2	692	L.F	21" Class "A" Storm Sewers Sec. M-6.6(b) or Sec. M-6.8(b)
I-2			20		6	20		10			20																		I-2	76	L.F	8" Outlet Pipe for Storm Sewers Sec. M-6.4(c)
I-2	600																												I-2	600	L.F	12" Class "A" Storm Sewers Under Pav. or App. Sec. M-6.5(b) or Sec. M-6.8(b)
I-2											104																		I-2	104	L.F	15" Class "A" Storm Sewers Sec. M-6.4(c)
I-2																	42												I-2	42	L.F	18" Class "A" Storm Sewers Sec. M-6.4(c)
I-2																76													I-2	76	L.F	24" Class "A" Storm Sewers Sec. M-6.4(c)
I-2					198	24			102																				I-2	324	L.F	15" Class "B" Storm Sewers
I-2					96			156	60		40																		I-2	352	L.F	15" Class "B" Storm Sewers Under Pavement or Approaches
I-2					100																								I-2	100	L.F	18" Class "B" Storm Sewers Under Pavement or Approaches
I-2			116																										I-2	116	L.F	21" Class "A" Storm Sewers Under Pavement or Approaches Sec. M-6.6(b) or M-6.8(b)
I-3	400																												I-3	400	L.F	6" Roadway Drainage
I-3	400																												I-3	400	L.F	8" Roadway Drainage
I-3	100																						10						I-3	110	L.F	8" Pipe Outlets for Roadway Drainage Sec. M-6.4(c)
I-3	50																												I-3	50	L.F	10" Pipe Outlets for Roadway Drainage Sec. M-6.4(c)
I-3	50																												I-3	50	L.F	12" Pipe Outlets for Roadway Drainage Sec. M-6.4(c)
I-4		500	2062	3386	4259	1969	3212	3730	1404	4042	3705	2070	3083	4128	4150	1802	2632												I-4	46,134	L.F	6" Underdrains
I-4		1000	1012	344	50		575				396	1032	446			802													I-4	5 657	L.F	6" Underdrains Sec. M-6.4(h)
I-4			20	40	20	10	20	10	90	10	10	50	30	20	20	20	50												I-4	420	L.F	8" Outlet Pipe for Underdrains Sec. M-6.4(g)
I-5			3	4	3	6	9	4	4	1	5	3	2	6	6	4	5												I-5	65	EA.	6" Pipe Special for Underdrains
I-5			2		1	1		1			2																		I-5	7	EA.	8" Pipe Special for Underdrains
I-5			2									2	1			4													I-5	9	EA.	6" Pipe Special for Underdrains Sec. M-6.4(h)
I-5			2								2																		I-5	4	EA.	8" Pipe Specials for Storm Sewers Sec. M-6.5(b) or Sec. M-6.8(b)
I-5																	2												I-5	2	EA.	18" Pipe Specials for Storm Sewers Sec. M-6.4(c)
I-5																2													I-5	2	EA.	24" Pipe Specials for Storm Sewers Sec. M-6.4(c)
I-5													3										1						I-5	4	EA.	30" Pipe Specials for Storm Sewers Sec. M-6.6(b) or Sec. M-6.8(b)
I-5					1																								I-5	1	EA.	30" Pipe Special for Roadway Culvert Sec. M-6.6(c)
I-5											2																		I-5	2	EA.	15" Pipe Specials for Storm Sewers Sec. M-6.4(c)
I-8																							2						I-8	2	EA.	Standard No. 2-2-B Catch Basins
I-8																1													I-8	1	EA.	Standard No. 2-3 Catch Basin
I-8						3			2																				I-8	5	EA.	Standard No. 3 Catch Basins
I-8									4																				I-8	4	EA.	Standard No. 3-A Catch Basins
I-8																	2												I-8	2	EA.	Standard No. 4 Catch Basins
I-8			2	3	1		2		2			6	4			4													I-8	24	EA.	Standard No. 5 Catch Basins
I-8			1										1																I-8	2	EA.	Standard No. 5 Catch Basins Modified as per plan
I-8					1			2			1																		I-8	4	EA.	Standard No. 6 Catch Basins
I-8						1			1																				I-8	2	EA.	Type A Catch Basins, as per plan
I-8													1			3						1	1						I-8	6	EA.	Standard No. 1 Manholes
I-8							1																						I-8	1	EA.	Standard No. 2 Manhole (without drop pipe)
S-24			Lump												Lump							Lump	Lump						S-24	Lump	Lump	Removal of Existing Structures
I-9														432				81	135	144	117	117	270		198		423		I-9	1917	L.F	Stone Underdrains, No. 2
I-10		113	256		16	64	171	171		14	177	94		16		183	285												I-10	1560	C.Y.	Dumped Rock Channel Protection
I-14			56																										I-14	56	L.F	Type I Paved Gutter, Std.
I-14													32																I-14	32	L.F	Type I Paved Gutter, Modified as per plan
S-1			48.2	5.4	21.4	3.1	32.7	35.4	12.4	3.1	49.0	9.4		10.5	6.2														S-1	236.8	C.Y.	Concrete for Structures, Class "C"
S-1					1.9		1.9	1.9			1.4			0.8		0.4	49.7			0.6			0.5		1.8		0.6		S-1	59.6	C.Y.	Concrete for Structures, Class "E"
S-4			2147	218	920	146	1486	1528	584	146	2111	411		436	292														S-4	10,425	LBS.	Reinforcing Steel
S-27																											60		S-27	60	L.F	15" Pipe for Roadway Culverts
S-27															118														S-27	118	L.F	18" Pipe for Roadway Culverts Sec. M-6.6(b) or Sec. M-6.8(b)
S-27					118									176															S-27	294	L.F	24" Pipe for Roadway Culverts Sec. M-6.6(b) or Sec. M-6.8(b)
S-27					496																								S-27	496	L.F	30" Pipe for Roadway Culverts Sec. M-6.6(c)
S-27							640																						S-27	640	L.F	36" Pipe for Roadway Culverts Sec. M-6.4(d) 10 Gage
S-27							182																						S-27	182	L.F	48" Pipe for Roadway Culverts Sec. M-6.4(d) 8 Gage
S-27								428																					S-27	428	L.F	54" Pipe for Roadway Culverts Sec. M-6.4(d) 8 Gage
S-28			356																										S-28	356	L.F	60" Sectional Corrugated Metal Str. Sec. M-6.4(g) 10-10 Gage
S-27																									36				S-27	36	L.F	58"x36" Corrugated Metal Arch Sec. M-6.4(i)(d) for Roadway Culverts.
S-28											486																		S-28	486	L.F	66" Sectional Corrugated Metal Structures Sec. M-6.4(g) 10-6 Gage
S-28																	418												S-28	418	L.F	180" Sectional Corrugated Metal Structures Sec. M-6.4(g) 1-1 Gage
S-27																				94									S-27	94	L.F	18" Pipe for Roadway Culverts Sec. M-6.6(c)
S-29			0.9	0.3	0.3	0.6		0.3	0.6	0.3	0.6	0.6		0.6	0.6		1.5												S-29	7.2	C.Y.	Drainage of Structures No. 2 Aggregate

*100% State

Rev. 3-1-60
Rev. 11-20-61