FED. RD. DIVISION	STATE	PROJECT	
2	OHIO	I-1102 (6) I-1103(18)	

18
458

CUYAHOGA & LAKE COUNTIES
CUY-I-15.91
LAK-I-0.00

GENERAL SUMMARY

ITEM	SEC. C-42 I-90-1(20)18																													ITEM	SEC. C-41 I-271-6(5)240 QUANTITY	SEC. C-42 I-90-1(20)18 QUANTITY	TOTAL QUANTITY	UNIT	DESCRIPTION
	48	49	50	250	251	257	258	264	266	267	268	281	282	291	292	299	300	301	312	313	326	327	358	359	362	363	364	365	366	429		TYPE CODE 7221			
																																	DRAINAGE (Continued)
I-5	2	8	3							2	3	3	2		1	1		2	4	2										I-5	68	35	103	Each	6" Pipe Specials for Underdrains
I-5			1						3																				I-5	7	4	11	Each	6" Pipe Specials for Underdrains, Sec. M-6.4 (h)
I-5																														I-5	2		2	Each	12" Pipe Specials for Class "A" Storm Sewers
I-5	1	1													1	1		3												I-5	6	11	17	Each	8" Pipe Specials for Underdrains,
I-5			1												2															I-5	6	3	9	Each	8" Pipe Specials for Underdrains, Sec. M-6.4 (h)
I-5		1														1														I-5	52	8	60	Each	8" Pipe Specials for Class "A" Storm Sewer under Pav't. or Approaches, Sec. M-6.5(b) or Sec. M-6.8
I-5																														I-5	1		1	Each	84" Pipe Specials for Roadway Culverts, Sec. M-106.6 (d)
I-5																														I-5	4		4	Each	15" Pipe Specials for Class "A" Storm Sewers, Sec. M-6.4 (c)
I-5			2																											I-5		2	2	Each	27" Pipe Specials for Class "A" Storm Sewers, Sec. M-6.4 (c)
I-5									2																					I-5		2	2	Each	36" Pipe Specials for Class "A" Storm Sewers, Sec. M-6.6 (a) or Sec. M-6.8 (b)
I-5																											2			I-5		2	2	Each	60" Pipe Specials for Roadway Culverts, Sec. M-106.6 (d)
I-8									1																					I-8		1	1	Each	Standard No. 5 Catch Basins, Modified as per plan
I-8		1					2																							I-8		3	3	Each	Standard No. 2-2-A Catch Basins
I-8																										1				I-8		1	1	Each	Standard No. 2-3 Catch Basins
I-8											1																			I-8	5	1	6	Each	Standard No. 2-3 Catch Basins, Modified as per plan
I-8									1		1																			I-8		2	2	Each	Standard No. 2-4 Catch Basins
I-8			1						1																					I-8	10	2	12	Each	Standard No. 4 Catch Basins
I-8	1	2																		2										I-8	6	8	14	Each	Standard No. 5 Catch Basins
I-8		2									1																			I-8	3	3	6	Each	Standard No. 6 Catch Basins
I-8																														I-8	8		8	Each	Standard No. 3-A Catch Basins, Modified as per plan
I-8																														I-8	2	2	4	Each	Standard No. 1 Manholes
I-8																														I-8	4		4	Each	Manholes, Adjusted to Grade
I-9				240	180	142	370																							I-9	598	932	1,530	Lin. Ft.	Stone Underdrain No. 2
I-10	2	104	36							6	2							4					30	11	5		19	12		I-10	630	254	884	Cu. Yds.	Dumped Rock Channel Protection
I-10												1,178																		I-10	923	1,178	2,101	Cu. Yds.	Dumped Rock Fill
I-14		57								86											68									I-14		385	385	Lin. Ft.	Standard Type I Paved Gutter
I-14		1628	543									100											30	30						I-14	533	2,331	2,864	Lin. Ft.	Standard Type I Paved Gutter, Modified as per Plan
I-8																														I-8	3		3	Each	Standard No. 1 Manhole, Modified as per plan
S-1	10.3	14.3									2.8							4.8		12.2			42.9	13.3			30.2			S-1	358	141.1	499.2	Cu. Yds.	Concrete for Structures, Class "C"
S-1			0.47						0.59														3.5	0.9	0.6	0.44	1.3	4.0		S-1	19.9	11.8	31.7	Cu. Yds.	Concrete for Structures, Class "E"
I-8																														I-8	1		1	Each	Standard No. 2 Manhole
S-4	469	578									124							199		520			1,786	634			1,327			S-4	14,426	6,106	20,532	Lbs.	Reinforcing Steel
S-7																							1,097							S-7		1,097	1,097	Lbs.	Structural Steel
S-24																														S-24	Lump		Lump	Lump	Removal of Existing Structures
S-27																								618						S-27		618	618	Lin. Ft.	36" Pipe for Roadway Culverts, Sec. M-6.4 (d), 8 Gage
S-27																														S-27	472		472	Lin. Ft.	66" Pipe for Roadway Culverts, Sec. M-6.6 (b)
S-27																														S-27	122		122	Lin. Ft.	60" Pipe for Roadway Culverts, Sec. M-6.6 (c)
S-27																														S-27	522		522	Lin. Ft.	48" Pipe for Roadway Culverts, Sec. M-6.6 (c) or Sec. M-6.4 (d), 10 Gage
S-27																														S-27	50		50	Lin. Ft.	15" Pipe for Roadway Culverts, Sec. M-6.6 (b) or Sec. M-6.8 (b)
S-27																							172				422			S-27		594	594	Lin. Ft.	60" Pipe for Roadway Culverts, Sec. M-106.6 (d)
S-27																							104				26			S-27		130	130	Lin. Ft.	60" Radius Pipe for Roadway Culverts, Sec. M-106.6 (d)
S-27																									164					S-27		164	164	Lin. Ft.	18" Pipe for Roadway Culverts, Sec. M-6.8 (b) or Sec. M-6.6 (b)
S-27																										94				S-27		94	94	Lin. Ft.	24" Pipe for Roadway Culverts, Sec. M-6.8 (b) or Sec. M-6.6 (b)
S-27																														S-27	326		326	Lin. Ft.	68" x 43" Pipe for Roadway Culverts, Sec. M-206.6 (b)
S-27																														S-27	682		682	Lin. Ft.	91" x 58" Pipe for Roadway Culverts, Sec. M-206.6 (b)
S-27																														S-27	372		372	Lin. Ft.	106" x 68" Pipe for Roadway Culverts, Sec. M-206.6 (b)
S-27																														S-27	332		332	Lin. Ft.	84" Pipe for Roadway Culverts, Sec. M-6.6 (b)
S-27																														S-27	694		694	Lin. Ft.	84" Pipe for Roadway Culverts, Sec. M-106.6 (d)
S-28																							472				206	186		S-28		864	864	Lin. Ft.	60" Sectional Corrugated Metal Structure, Sec. M-6.4 (g), (10-8 Gage)
S-28																														S-28	128		128	Lin. Ft.	8'-7" x 5'-11" Sectional Corrugated Metal Structure, Sec. M-6.4 (g), (5-3 Gage)
S-29	0.30											0.30			0.30	0.30		0.60	0.30	0.60										S-29	60	7	67	Cu. Yds.	Drainage of Structures, Porous Backfill using size No 2 Aggregate
																																	ROADWAY (CONTINUED FROM SHEET 14)
I-12A03																														I-12A03	1690		1690	Lin. Ft.	New 16" Water Main, Cast Iron Cement Lined, ASA Class 25
I-12A03																														I-12A03	88		88	Lin. Ft.	New 16" Water Main, using extra-heavy galvenized wrou
																																	iron Pipe, as per plan.
I-12A03																														I-12A03	2		2	Each	16"x16"x16" all bell cast iron Tee, Class 250
I-12A03																														I-12A03	2		2	Each	16" 45 degree bell and bell cast iron fitting. Class 250
I-12A03																														I-12A03	10		10	Each	16" 22° 30' bell and bell cast iron fitting. Class 250
I-12A03																														I-12A03	10		10	Each	16" Short Sleeve, cast iron as per plan.
I-12A03																														I-12A03	2		2	Each	Plug existing service connections as per plan.
I-12A03																														I-12A03	4		4	Each	Plug existing 16" main as per plan.
I-12A03																														I-12A03	4		4	Each	16" reducer couplings, Dresser No. 26 or approved equ
I-12A03																														I-12A03	2		2	Each	16" hub valves and valve boxes, as per plan.

REVISIONS	
3-31-60	Grade Raise for 16'-4" Br. Cl.
9-15-60	16" Water Main Items Added.

MICHAEL BAKER, JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

STATE HIGHWAY NO. I
C-41 & C-42
GENERAL SUMMARY

Designed	Drawn	Traced	Checked	Reviewed	Date	Revis
W.T.P.	W.T.P. E.P.C.	E.P.C.	J.I.M.			