

SUMMARY OF QUANTITIES

I.C.H. 15 SEC. H,
GEAUGA COUNTY

From Station	To Station	Side	V.S. Pipe Slag Back-fill				V.S. Pipe Earth Back-fill				Pipe Relay
			8"	10"	12"	18"	8"	10"	12"	18"	
142+80	145+40	Rt.	260								
143+30	145+00	Lt.	170								
160+75	166+25	Rt.					550				
166+25	167+25	Rt.					100				
160+70	162+50	Lt.					180				
162+50	167+25	Lt.					475				
209+60	213+70	Lt.	410								
210+60	213+50	Rt.	290								
227+94	228+82	Rt.	88								
231+50	233+00	Lt.	150								
233+00	233+50	Lt.								50' of 12"	
233+50	235+00	Lt.		150							
238+15	239+21	Lt.						106			
244+37	244+99	Rt.					62				
259+90	260+90	Lt.					100				
263+28	264+08	Lt.					80				
264+78	269+58	Lt.					480				
271+56	272+02	Lt.					46				
271+00	273+00	Rt.					200				
300+70	303+98	Lt.									
346+27	347+97	Lt.	170				328				
Totals			1538	150			575	1618	80	106	50

STATION	SIDE	8"	10"	12"	15"
121+13	Lt.		18		
122+85	Rt.		18		
130+72	Lt.			18	
138+83	Rt.			18	
139+82	Lt.			18	
160+67	Rt.			18	
172+80	Rt.			18	
178+15	Lt.	18			
179+52	Rt.	18			
191+25	Lt.			18	
193+42	Rt.			18	
205+61	Rt.		18		
208+36	Rt.		18		
210+06	Rt.	18			
228+91	Rt.	18			
230+00	Rt.	18			
230+66	Rt.	18			
234+02	Rt.		18		
239+17	Rt.				18
239+30	Lt.				18
245+08	Rt.		18		
247+65	Rt.		18		
256+11	Rt.			18	
256+15	Lt.	18			
259+45	Lt.		18		
272+11	Lt.		18		
272+29	Lt.		18		
273+09	Rt.		18		
277+83	Rt.		18		
279+50	Lt.		18		
282+26	Lt.		18		
282+43	Rt.		18		
300+80	Rt.				18
308+80	Rt.			18	
327+27	Lt.			18	
345+93	Rt.			18	
346+18	Lt.	18			
361+90	Lt.				18
367+74	Lt.	18			
367+80	Rt.	18			
369+75	Lt.		18		
383+98	Lt.			18	
383+98	Rt.			18	
396+93	Rt.				18
400+68	Lt.				18
Totals		180	288	234	108

From Station	To Station	CUBIC YARDS			
		Exc.	Emb.	Emb. 20%	Waste Borrow
112+66	127+00	472	1017	1220	748
127+00	135+00	336	330	396	60
135+00	144+00	483	461	553	70
144+00	154+00	326	594	713	387
154+00	173+00	948	1602	1922	974
173+00	187+00	907	635	762	145
187+00	200+00	1584	1200	1440	144
200+00	211+97	855	712	855	
211+97	219+00	157	440	528	371
219+00	231+00	403	725	870	467
231+00	237+00	530	63	76	454
237+00	248+00	712	587	704	8
248+00	258+38	722	602	722	
258+38	262+81	446	372	446	
262+81	265+68	282	235	282	
265+68	276+00	683	204	254	429
276+00	286+00	738	190	228	510
286+00	306+75	1302	1003	1204	98
306+75	307+05				
307+05	317+00	285	633	759	474
317+00	326+75	542	452	542	
326+75	337+00	679	427	512	167
337+00	346+50	361	361	361	
346+50	357+00	553	740	888	535
357+00	365+00	461	571	685	224
365+00	382+50	787	648	777	10
382+50	394+68	681	568	681	
394+68	402+31	182	424	509	327
Totals		16417	15736	18889	1965

From Station	To Station	Dist. Lin. Ft.	Sq. Yds.
9'-7" x 9" x 8 Ft.			
X 113+06	120+75	769.00	683.55
W 121+15	120+75	396.00	3520.00
W 167+25	179+90	1265.00	1124.44
X 180+30	192+41.02	1211.02	1076.46
X 196+45.35	208+10	1164.65	1035.24
W 208+50	214+72.16	622.16	553.03
X 215+85.34	225+28.47	943.13	838.34
W 230+31.47	238+10	778.53	692.02
X 238+50	267+00	2850.00	2533.33
W 267+40	299+90	3250.00	2888.89
X 300+30	323+00	2270.00	2017.78
W 323+40	347+60	2420.00	2151.11
X 348+00	368+00	2000.00	1777.78
W 368+40	402+31	3391.00	3014.22
Total		26894.49	23906.19
9'-7" x 9" x 18 Ft.			
Z 112+66	113+06	40	80
Z 120+75	121+15	40	80
Z 179+90	180+30	40	80
Z 208+10	208+50	40	80
Z 215+45.34	215+85.34	40	80
Z 238+10	238+50	40	80
Z 267+00	267+40	40	80
Z 299+90	300+30	40	80
Z 323+00	323+40	40	80
Z 347+60	348+00	40	80
Z 368+00	368+40	40	80
Total		440	880
9'-7" x 9" x 18 Ft. On Curves			
Z 192+41.02	196+45.35	404.33	808.66
Z 225+28.47	230+31.47	503.00	1006.00
Total		907.33	1814.66
7'-7" x 3'-8"			
Y 160+75	167+25	178.91	72.9
Y 166+36.8	167+25	88.20	35.9
Total		267.11	108.8
7'-7" x 11'-8"			
Y 160+75	167+25	178.91	231.91
Y 166+36.8	167+25	88.20	114.33
Total		267.11	346.24
7'-7" x 25'-4"			
Y 162+53.91	166+36.8	382.89	1077.80
Total		382.89	1077.80
6'-6" x 10"			
113+06	120+75	769.00	854.44
180+30	192+41.02	1211.02	1345.58
196+45.35	208+10	1164.65	1294.05
215+85.34	225+28.47	943.13	1047.92
238+50	267+00	2850.00	3166.66
300+30	323+00	2270.00	2522.22
348+00	368+00	2000.00	2222.22
Total		11207.80	12453.09
9'-7" x 9" Extra Widening			
159+75	160+75		33.3
167+25	168+25		33.3
192+41.02	196+45.35	Curve	117.4
225+28.47	230+31.47	"	100.3
Total			284.3
8"-8"			
Sta. 215+08.5 Extra Widening of bridge			
Total			30.5
8"-8"			
Where directed including removal of old conc. pavement.			
Total			1000

From Station	To Station	Side of Road	Lin. Ft.
141+40	142+60	Lt.	120
141+76	142+24	Rt.	48
155+00	160+36	Rt.	536
155+00	160+92	Lt.	592
195+10	195+10	Rt.	400
196+10	199+48	Lt.	338
206+83	207+07	Rt.	24
214+42	214+74	Rt.	32
214+56	214+96	Lt.	40
215+42	216+30	Lt.	88
215+22	215+86	Rt.	64
250+80	252+16	Lt.	136
261+02	263+26	Lt.	224
260+96	263+84	Rt.	288
295+18	298+22	Lt.	304
295+62	299+30	Rt.	368
Total			3602

Station	Side	Std. Curved Top C.B. No. 1	Std. Raised Curb Inlet No. 2	Special Inlet
160+85	Rt.		1	
163+55	Rt.		1	
166+25	Rt.		1	
160+85	Lt.		1	
162+50	Lt.		1	
267+48	Lt.			1
269+58	Lt.		1	
300+68	Lt.		1	
Totals		2	5	1

Placed where directed	Lin. Ft.
Total	1,000

From Station	To Station	Lin. Ft.	Sq. Yds.
112+66	113+06	40	44.44
120+75	121+15	40	44.44
179+90	180+30	40	44.44
208+10	208+50	40	44.44
215+45.34	215+85.34	40	44.44
238+10	238+50	40	44.44
267+00	267+40	40	44.44
299+90	300+30	40	44.44
323+00	323+40	40	44.44
347+60	348+00	40	44.44
368+00	368+40	40	44.44
162+53.91	166+36.8	382.89	425.43
192+41.02	196+45.35	404.33	449.25
225+28.47	230+31.47	503.00	558.89
Totals		1730.22	1922.41

Station	Side	Cu. Yds. No. 2 Slag
112+66	Rt.	7.5
112+66	Lt.	7.5
153+36	Rt.	7.5
153+36	Lt.	7.5
199+57	Rt.	7.5
228+95	Lt.	7.5
Total		45.0

From Station	To Station	Lin. Ft.
Y 160+75	167+25 Rt.	650
Y 160+75	167+25 Lt.	650
Total		1300

Total Length 28965 Ft. 5.486 Miles.
 Berms, Slopes & Ditches 28,888 Lin. Ft.
 Expansion Joint :- 1" pre-moulded - 70. Sq. Ft.