Environmental Design Group
The community impact people.

Subject: CLI-28/124-4.52/5.47/0.54 PID 102731 Project No.: 18-00114-010

CLI-28-0452 Non-Structure Qtys - Tracings Sheet 1 of 4

Calc. by: SAC Date: 5/10/20 Check by: RMS Date: 5/18/20

Update by: SAC Date: 9/5/20

Roadway				
Item 201 Ext. 11000, Clearing and Grubbing		**LUMP**		
Item 202, Ext. 23010, Pavement Removed, Asphalt	**See Pavement Calcs**			
Item 202, Ext. 35100, Pipe Removed, 24" and Under				
CLI-28-0452:	NW Quad, 15"	17	FT	
	SW Quad, 6"	196	FT	
	NE Quad, 15"	90	FT	
	SE Quad, 15"	21	FT	
	East side of inlet channel, 6"	6	FT	
	Total	**330**	**FT**	
Item 203, Ext. 10000, Excavation	**See Earthwork Calcs**			
Item 203, Ext. 20000, Embankment	**See Earthwork Calcs**			
Item 204, Ext. 10000, Subgrade Compaction	**See Pavement Calcs**			
Item 606, Ext. 15050, Guardrail, Type MGS		**150**	**FT**	See culvert plan & profile sheet
Item 606, Ext. 17360, Guardrail, Type MGS, Long-Span		**43.75**	**FT**	See culvert plan & profile sheet
Item 606, Ext. 26150, Anchor Assembly, MGS Type E		**1**	**EACH**	See culvert plan & profile sheet
Item 606, Ext. 26550, Anchor Assembly, MGS Type T		**1**	**EACH**	See culvert plan & profile sheet
Erosion Control				
Item 601 Ext. 32100, Rock Channel Protection, Type B with Filter				
CLI-28-0452:	Outlet channel	**19**	**CU YD**	

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Item 659 Ext. 10000, Seeding and Mulching		**See Cross Sections**	
Item 836 Ext. 10000, Seeding and Erosion Control with Turf Reinforcing Mat, Type 1			
CLI-28-0452:	Inlet channel, SE ditch		
	22 FT length (Sta. 155+72 to 155+94) x 7.5' width / 9 =	**18**	**SQ YD**
Drainage			
Item 611 Ext. 01100, 6" Conduit, Type C			
CLI-28-0452:	Inlet channel, east side of channel, near SE wingwall	8	FT
	Sta. 153+71 to Sta. 153+77, RT =	6	FT
	Total =	**14**	**FT**
Item 611 Ext. 04600, 12" Conduit, Type C			
CLI-28-0452:	Sta. 153+77 to Sta. 155+61, RT =	**184**	**FT**
Item 611 Ext. 05900, 15" Conduit, Type B			
CLI-28-0452:	NW quad	**10**	**FT**
Item 611 Ext. 06100, 15" Conduit, Type C			
CLI-28-0452:	NE quad	100	FT
	SE quad	25	FT
	Total =	**125**	**FT**
Item 611 Ext. 98470, Catch Basin, No. 2-2B			
CLI-28-0452:	NE quad, Sta. 155+90, LT	**1**	**EACH**
Item 611 Ext. 98700, Inlet, Side Ditch			
CLI-28-0452:	Sta. 153+77, RT =	**1**	**EACH**

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Traffic Control			
Item 621 Ext. 00100, RPM			
CLI-28-0452:	Sta. 155+77 (+/-)	**1**	**EACH**
Item 621 Ext. 54000, Raised Pavement Marker Removed			
CLI-28-0452:	Sta. 155+77 (+/-)	**1**	**EACH**
Item 626 Ext. 00110, Barrier Reflector, Type 2, Bidirectional			
CLI-28-0452:	100' spacing on straight sections per TC-61.30		
	Sta 154+21.00 to Sta 156+75.88 = 254.88'		
	(254.88/100) + 1 =	**4**	**EACH**
Item 630 Ext. 03100, Ground Mounted Support, No. 3 Post			
CLI-28-0452:	SR 28, Sta. 155+46, RT, W1-7-48 Sign (48"x24"), 2 Posts	28	FT Estimated Length
	SR 28, Sta. 155+48, RT "Welcome to Jeff etc" Reerected	14	FT Estimated Length
	Tar Pike Rd, Sta. 1+35, RT "Rd 62/Marion.etc." Reerected	14	FT Estimated Length
	Total =	**56**	**FT**
Item 630 Ext. 80100, Sign, Flat Sheet			
CLI-28-0452:	SR 28, Sta. 155+46, RT, W1-7-48 Sign (48"x24")	**8.00**	**SF**
Item 630 Ext. 84900, Removal of Ground Mounted Sign and Disposal			
CLI-28-0452:	SR 28, Sta. 155+66, RT "Reflector"	**1**	**EACH**
Item 630 Ext. 85100, Removal of Ground Mounted Sign and Reerection			
CLI-28-0452:	SR 28, Sta. 155+48, RT "Welcome to Jefferson Township"	1	EACH
	Tar Pike Rd., Sta. 1+35, RT " Rd 62/Marion Twp/Jeff Twp"	4	EACH
	Total =	**5**	**EACH**
Item 630 Ext. 86002, Removal of Ground Mounted Post Support and Disposal			
CLI-28-0452:	SR 28, Sta. 155+65, RT "Welcome to Jefferson Township"	1	EACH
	SR 28, Sta. 155+66, RT "Reflector"	1	EACH
	Tar Pike Rd., Sta. 1+21, RT " Rd 62/Marion Twp/Jeff Twp"	1	EACH
	Total =	**3**	**EACH**

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Item 642 Ext. 00090, Edge Line, 4"

CLI-28-0452:	Sta. 155+49(+/-) to Sta. 156+00, LT =	58	FT
	Sta. 155+37 to Sta. 156+00, RT =	63	FT
	Total =	121	FT = **0.02** **MILE**

Item 642 Ext. 00290, Center Line

CLI-28-0452:	Sta. 155+37 to Sta. 156+00, CL =	63	FT = **0.01** **MILE**