

MUSKINGUM COUNTY
TOWNSHIP ROAD NO. 409

SUMMARY OF QUANTITIES

Sheet Number							Item	Quantity	Unit	Description
12	13	14	15	25	26	27				ROADWAY
		36					E-12	36	Lin.Ft.	Pipe Removed, 15 Inch and under
					24		I-8	24	Each	Monument Assemblies
480	704						I-15	1,184	Lin.Ft.	Guard Rail, Wire Cable Type (2 Cable) or Woven Wire Type (2 Tape)
	Lump						Special	Lump	Lump	Relocating Existing Power Lines
	Lump						Special	Lump	Lump	Relocating Existing Telephone Lines
	1						Special	1	Each	Well, Abandoned and Filled
										DRAINAGE
			28	70			E-2	98	Cu.Yds.	Excavation for Structures, Unclassified
		488					E-3	488	Cu.Yds.	Channel Excavation
	62						I-1	62	Lin.Ft.	18 Inch Pipe for Driveway
		9	11				I-10	20	Cu.Yds.	Dumped Rock Channel Protection
		2.00	4.93				S-1	6.93	Cu.Yds.	Concrete for Structures
		62					S-27	62	Lin.Ft.	24 Inch Pipe for Roadway Culvert
		76					S-27	76	Lin.Ft.	36 Inch Pipe for Roadway Culvert
			160				S-28	160	Lin.Ft.	60 Inch Sectional Corrugated Metal Structure
										PAVEMENT
	35.55						*I-18	35.55	Cu.Yds.	Stabilized Crushed Aggregate for Base Course and Approaches

* Carried to Pavement Calculations.

PAVEMENT CALCULATIONS

Station to Station, Calculations	Item I-18	Item F-30	Item T-32				
	Stabilized Crushed Aggregate for Base Course & Approaches	Prime Coat Sec. M-5.172 cu yd or Sec. M-5.262 - 10r-22 @ 2.55 gal. per Sq. Yd.	Good Mix Sec. M-5.172 F- B or F @ 2.60 gals. per Sq. Yd.	Seal Coat Sec. M-5.172 F- B or F @ 2.25 gal. per Sq. Yd.	No. 46 Aggregate for Good Mix @ 0.0292 Cu. Yd. per Sq. Yd.	No. 6 or 9 Aggregate for Good Mix @ 0.009 Cu. Yd. per Sq. Yd.	No. 6 Aggregate for Seal Coat @ 0.008 Cu. Yd. per Sq. Yd.
	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.
50+00 to 74+00							
2400 X 16 X Y ₉	4,267	4,267	4,267	4,267	4,267	4,267	4,267
Conversion to Cu. Yds. & Gals., Carried from Summary of Quantities	711 36	1,494	2,560	1,067	125	17	34
TOTALS	711 C.Y.	1,494 Gal.	2,560 Gal.	1,067 Gal.	125 C.Y.	17 C.Y.	34 C.Y.

EROSION PROTECTION

Sheet Number	Station to Station, Calculations	L-9 Seeding & Protecting Sq. Yds.	L-9 Commercial Fertilizer (12-12-12) Tons	L-9 Agricultural Liming Materials Tons
15	50+00 to 74+00 $21,041 \times 9 \times \frac{1}{1000} \times \frac{50}{2000}$ $21,041 \times 9 \times \frac{1}{1000} \times \frac{100}{2000}$	21,041	1.89	9.47
	TOTALS	21,041	1.89	9.47

ITEM E-9 REMOVAL OF TREES

Sheet Number	Station to Station	E-9 Lump
8	50+00 to 74+00	Lump
	TOTAL	Lump

ITEM E-11 WATER

Sheet Number	For Item	Calculation	E-11 Water
			M. Gallons
9	I-18	747 @ 8 Gal. per Cu. Yd.	5,98
9	E-1	28,638 @ 5 Gal. per Cu. Yd.	143.19
		TOTAL	149.17

GENERAL SUMMARY

Item	Quantity	Unit	Description
			ROADWAY
E-1	3,647	Cu Yds.	Roadway Excavation, Method "A" Unclassified
E-1	28,638	Cu. Yds.	Roadway Embankment, Method "A"
E-1	4,267	Sq. Yds.	Compacted Subgrade
E-9	Lump	Lump	Removal of Trees
E-11	149.17	M. Gallons	Water
E-12	36	Lin. Ft.	Pipe Removed 15 Inch and under
I-8	24	Each	Monument Assemblies
I-15	1,184	Lin. Ft.	Guard Rail, Wire Cable Type (2 Cable) or Woven Wire Type (2 Tape)
L-9	21,041	Sq. Yds.	Seeding and Protecting
L-9	1.89	Tons	Commercial Fertilizer
L-9	9.47	Tons	Agricultural Liming Material
Special	Lump	Lump	Maintaining Traffic
Special	Lump	Lump	Relocating Existing Power Lines
Special	Lump	Lump	Relocating Existing Telephone Lines
Special	1	Each	Wells, Abandoned and Filled
			DRAINAGE
E-2	98	Cu. Yds.	Excavation for Structures, Unclassified
E-3	488	Cu. Yds.	Channel Excavation, Unclassified
I-1	62	Lin. Ft.	18 Inch Pipe for Driveway.
I-10	20	Cu. Yds.	Dumped Rock Channel Protection
S-1	7	Cu. Yds.	Concrete for Structures
S-27	62	Lin. Ft.	24 Inch Pipe for Roadway Culvert
S-27	76	Lin. Ft.	36 Inch Pipe for Roadway Culvert
S-28	160	Lin. Ft.	60 Inch Sectional Corrugated Metal Structure
			PAVEMENT
I-18	747	Cu. Yds.	Stabilized Crushed Aggregate for Base Course and Approaches
T-30	1,494	Gallons	Bituminous Prime Coat
T-32	2,560	Gallons	Road Mix, Bituminous Material
T-32	1,067	Gallons	Seal Coat, Bituminous Material
T-32	125	Cu. Yds.	No. 46 Aggregate for Road Mix
T-32	17	Cu. Yds.	No. 6 or 9 Aggregate for Choke
T-32	34	Cu. Yds.	No. 6 Aggregate for Seal Coat

EXCAVATION, EMBANKMENT
AND COMPACTED SUBGRADE

<i>Sheet Number</i>	<i>Station to Station</i>	<i>E-1 Roadway Excavation</i>	<i>E-1 Embankment</i>	<i>E-1 Compacted Subgrade</i>
		<i>Cu Yds.</i>	<i>Cu Yds.</i>	<i>Sq. Yds.</i>
<i>15</i>	<i>50+00 to 74+00</i>	<i>31,647</i>	<i>28,638</i>	
<i>9</i>	<i>Number of Square Yards of T-32 Surface Supported Sta. 50+00 to Sta. 74+00</i>			<i>4,267</i>
	<i>TOTALS</i>	<i>31,647</i>	<i>28,638</i>	<i>4,267</i>

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