

SUMMARY OF QUANTITIES

FED. RD. DIVISION	STATE	PROJECT	4
2	OHIO		14

MUSKINGUM COUNTY
MUS-156-2.02

PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE A)						PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)						TOTAL PROJECT (SCHEDULES) A & B				
Sheet Number					QUANTITY	Sheet Number					QUANTITY	ITEM	TOTAL QUANTITY	UNIT	DESCRIPTION	
6	7	8	12	13		6	7	8	12	13						
	130				130						—	E-12	130	Lin.Ft	Pipe Removed, 15 inch and under	
	33				33						—	E-12	33	Lin.Ft.	Pipe Removed, over 15 inch	
				10	10						—	I-8	10	Each	Manument Assemblies	
Lump	Lump	Lump			Lump						—	Special	Lump	Lump	Relocating or adjusting existing Power Lines	
ROADWAY																
DRAINAGE																
			36		36						—	E-2	36	Cu.Yd	Excavation for Structure, unclassified	
	30				30						—	I-1	30	Lin.Ft.	12 inch Pipe for Driveway	
	34				34						—	I-1	34	Lin.Ft.	24 inch Pipe for Driveway	
					—		50			50	—	I-2	50	Lin.Ft.	8 inch Storm Sewer under Pavement	
	85				85					—	I-2	85	Lin.Ft.	12 inch Storm Sewer under Pavement		
					—	600	24			624	—	I-4	624	Lin.Ft.	6 inch Pipe Underdrains	
					—		2			2	—	I-5	2	Each	8 inch Pipe Specials for Storm Sewer under Pavement	
				1.72	1.72					—	S-1	1.72	Cu.Yd	Concrete for Structures		
			54		54				10	10	—	S-27	64	Lin.Ft.	48 inch Pipe for Roadway Culvert	
168	30				198					—	L-10	198	Sq.Yd	Sodding		
PAVEMENT																
	41				41					—	I-18	41	Cu.Yd	Stabilized Crushed Aggregate for Driveways		

ITEM E-11 WATER			
Sheet number	Item	Calculation	E-11 Water M.Gals.
PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE 'A')			
B-19	317	@ 5 Gals./Cu.Yd.	1.59
E-1	5436	@ 5 Gals./Cu.Yd.	27.18
I-18	41	@ 8 Gals./Cu.Yd.	0.33
I-22	416.50	@ 8 Gals./Cu.Yd.	3.33
Sub Total			32.43
PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)			
B-19	33	@ 5 Gals./Cu.Yd.	0.17
E-1	1040	@ 5 Gals./Cu.Yd.	5.20
I-22	50	@ 8 Gals./Cu.Yd.	0.40
Sub Total			5.77
TOTAL			38.20

EXCAVATION & EMBANKMENT					
Sheet Number	Station to Station		E-1 Excavation	E-1 Embankment	
			Cu. Yds.	Cu. Yds.	
PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE A)					
9	107+00 to 120+50		1067	5436	
PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)					
9	107+00 to 120+50		145	1040	
TOTALS			1212	6476	

PAVEMENT CALCULATIONS (SCHEDULES A & B)

Station to Station	Description - Cal. - etc.	Item T-35 1 1/4"	Item B-219 3"	Item B-19 4"	Item T-30 Prime Coat @ 0.80 gal./sq. ft.	Item I-22 3"	Item I-22 12"	Item I-9
		Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Lin. Ft.
107+00-120+50	1350 x 20 x 1/8	3000	3000					
107+00-120+50	1350 x 21 x 1/8			3150	3150			
107+00-110+00	300 x 22.76 x 1/8						758	
110+00-120+50	1050 x 22 x 1/8					2567		
110+00-120+50	11 x 1050/50							231
Totals		3000	3000	3150	3150	2567	758	231
Conversion to Cu. Yds. etc.		104.16	250.00	350.00	1260	213.92	252.67	
TOTALS		104.16 C.Y.	250.00 C.Y.	350.00 C.Y.	1260 Gal	466.53 C.Y.	231 L.F.	

DIVISION OF PAVEMENT QUANTITIES

Station to Station	Description - Cal. - etc.	Item T-35 1 1/4"	Item B-219 3"	Item B-19 4"	Item T-30 Prime Coat @ 0.80 gal./sq. ft.	Item I-22 3"	Item I-22 12"	Item I-9
		Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Sq. Yds.	Lin. Ft.
PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE A)								
107+00-120+50	1350 x 20 x 1/8	2700.00	2700.00					
107+00-120+50	1350 x 21 x 1/8			2850.00	2850.00			
107+00-110+00	300 x 22.76 x 1/8						666.08	
110+00-120+50	1050 x 22 x 1/8					2333.64		
110+00-120+50	11 x 1050/50							147
Sub-Totals		2700.00	2700.00	2850.00	2850.00	2333.64	666.08	147
Conversion to C.Y., Gal., etc.		93.75	225.00	316.67	1140.00	194.47	222.03	
TOTALS		93.75 C.Y.	225.00 C.Y.	316.67 C.Y.	1140.00 C.Y.	416.50 C.Y.	147 L.F.	
PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)								
107+00-120+50	1350 x 20 x 1/8	300.00	300.00					
107+00-120+50	1350 x 21 x 1/8			300.00	300.00			
107+00-110+00	300 x 22.76 x 1/8						91.92	
110+00-120+50	1050 x 22 x 1/8					233.36		
110+00-120+50	11 x 1050/50							84
Sub-Totals		300.00	300.00	300.00	300.00	233.36	91.92	84
Conversion to C.Y., Gal., etc.		10.41	25.00	33.33	120.00	19.45	30.64	
TOTALS		10.41 C.Y.	25.00 C.Y.	33.33 C.Y.	120.00 Gal	50.09 C.Y.	84 L.F.	

ITEM E-1 COMPACTED SUBGRADE

NUMBER OF Sq. Yds. T-35 SURFACE SUPPORTED		
PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE A)		2700 S.Y.
PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)		300 S.Y.
TOTAL		3000 S.Y.

MAINTAINING TRAFFIC

Station to Station	Length	Width	T-10 Traffic Compacted Surface Course applied @ rate of 68 Cu. Yds. per 100 L.F.	M-10 Calcium Chloride applied @ rate of 1 ton per 50 Cu. Yds. of T-10
			Cu. Yds	Tons
107+00-120+50	1350	18	918	18.36

EROSION PROTECTION

Sheet Number	Station to Station	L-9 Seeding and Protecting	L-9 Commercial Fertilizer	L-9 Agricultural Liming Material
PARTICIPATION BY THE UNITED STATES OF AMERICA (SCHEDULE A)				
9	107+00 to 120+50	7491	0.67	3.35
PARTICIPATION BY THE STATE OF OHIO (SCHEDULE B)				
9	107+00 to 120+50	1,500	0.14	0.70
TOTALS		8991	0.81	4.05

GENERAL NOTE:

The construction contract for work provided by these plans will be made and paid for by the United States of America. The division of quantities (Schedule A & Schedule B) is for settlement between the Government and the State of Ohio. The award of the contract will be for Total Project (Schedules A & B).

REVISION	DATE	DESCRIPTION	BY
U. S. ARMY ENGINEER DISTRICT, HUNTINGTON CORPS OF ENGINEERS HUNTINGTON, W. VA.			
DRAWN BY:	F.H.S.	LICKING RIVER DILLON RESERVOIR PROJECT	
TRACED BY:	SLW	READJUSTMENT OF OHIO STATE ROUTE NO. 156 (Section 2)	
CHECKED BY:	SLW	DATE: September 1959	
SUBMITTED BY:	ELMER S. BARRETT ASSOCIATES	APPROVED: Steven M. Malovich COL. C.E. DISTRICT ENGINEER	
RECOMMENDED:	J. M. S. Barrett	CHIEF ENG. DIV.	
ELMER S. BARRETT ASSOCIATES CONSULTING ENGINEERS CHILLICOTHE, OHIO		SCALE: 1" = 40' DRAWING NUMBER 027f-UD12-68/4 SHEET 4 OF 14	

SUMMARY OF QUANTITIES