

GENERAL SUMMARY

FED. RD. DIVISION	STATE	PROJECT
2	OHIO	

MUS-60-15.70

4
10

ESTIMATED QUANTITIES										Item No.	Total	Unit	DESCRIPTION
Item No.	Sht. #3	Sht. #4	Sht. #5	Sht. #6	Sht. #7	Sht. #8	Sht. #9	Sht. #10	Sht. #11				
E-1			76		585					E-1	661	CuYds	Roadway Excavation, Method "A", as per plan
E-1			388		833					E-1	1277	CuYds	Embankment, Method "A"
E-8							89			E-8	89	Sq.Yds	Removal and disposal of existing pavement
E-8					388					E-8	388	Sq.Ft.	Removal and disposal of existing sidewalk
E-8					130		28			E-8	158	Lin.Ft.	Removal and disposal of existing curb
E-9	Lump	7								E-9	Lump	Lump	Removal of trees and stumps
E-11										E-11	7	M.Gal.	Water
I-4	1									I-4	1	Ton	Calcium Chloride for dust control
I-13					190					I-13	190	Sq.Ft.	4" Concrete sidewalk
I-15					50					I-15	50	Lin.Ft.	Guard Rail, Steel beam standard type (deep)
I-15					25					I-15	25	Lin.Ft.	Guard Rail removed and rebuilt
L-9			419		1017					L-9	1436	Sq.Yds.	Seeding and protecting
L-9		.13								L-9	.13	Ton	Commercial Fertilizer (12-12-12)
L-9		.65								L-9	.65	Ton	Agricultural Liming Material
T-10	25									T-10	25	CuYds.	Traffic Compacted Surface Course for Maintaining Traffic
T-10	25									T-10	25	CuYds.	Traffic Compacted Surface Course for Maintaining Traffic, as per plan
DRAINAGE													
E-3					2	6				E-3	8	CuYds.	Channel Excavation
E-12					32					E-12	32	Lin.Ft.	Pipe Removed 24" and Under
I-1					52					I-1	52	Lin.Ft.	15" Pipe, Cl. E-1
I-1						78				I-1	78	Lin.Ft.	18" Pipe, Cl. A-1 M-6.6(a), M-6.5(b), or M-6.8(b)
I-1					28					I-1	28	Lin.Ft.	24" Pipe, Cl. E-1
I-1							84			I-1	84	Lin.Ft.	72" Pipe, Sec. M-6.4(d) to be installed only, using Type 1 Backfill
I-2					10	0.6	60			I-2	76	CuYds.	Masonry
I-8					3					I-8	3	Each	Standard No. 3-A Catch Basins
I-9					40					I-9	40	Lin.Ft.	Stone Underdrains, No. 2
I-10					19	13	26			I-10	58	CuYds.	Dumped Rock Channel Protection
S-24					Lump					S-24	Lump	Lump	Removal of existing structures
Spec.					60					Spec.	60	Lin.Ft.	Fill and plug existing culvert
PAVEMENT													
I-12					50		28			I-12	78	Lin.Ft.	Standard Type 6 Concrete Curb
T-30					40					T-30	40	Gal's	Bituminous Tack Coat: Sec. M-5.5, MS-2 or RS-1; or Sec. M-5.2, RC-1 or RC-2, as per Sec. T-30.02
T-35					22					T-35	22	CuYds.	Asphaltic Concrete Surface Course, Type "C" (70-85)
B-21					26		18			B-21	44	CuYds.	Waterproofed Aggregate Base Course
I-22					36		20			I-22	56	CuYds.	Subbase
I-3										I-3	Lump	Lump	Construction Layout Stakes
													Maintaining Traffic

CALCULATIONS			Quant.	Unit
E-11 WATER	Embankment at 5 gal's/cu.Yd. I-22 at 15 gal's/cu.Yd.			
	$(1277 \times 5) + (56 \times 15) = 1,000 = 7.17 \text{ M.Gal's.}$	Use	7	M.Gal's
L-9 AGRICULTURAL LIMING MATERIAL				
	$1436 \times 0.00045 \text{ Tons/sq.Yd.} = .646 \text{ Tons/sq.Yd.}$	Use	.65	Tons
L-9 COMMERCIAL FERTILIZER				
	$1436 \times 0.00009 \text{ Tons/sq.Yd.} = .129 \text{ Tons/sq.Yd.}$	Use	.13	Tons