

APPROXIMATE SUMMARY OF QUANTITIES				APPROXIMATE SUMMARY OF QUANTITIES				Type of Road CRUSHED STONE PENETRATION SURFACE COURSE WITH ASPHALT EMULSION BINDER			
QUANTITIES	UNIT	ITEMS	ITEM NUMBER	QUANTITIES	UNIT	ITEMS	ITEM NUMBER	STATIONS	EQUATIONS	ASPHALT EMULSION BINDER	
								FROM	TO	+	-
1000	Cu. Yds.	Common Excavation	10	Lin. Ft.	12"	Pipe					
	Cu. Yds.	Solid Rock Excavation	10	Lin. Ft.	15"	Pipe					
	Cu. Yds.	Borrow	11	Lin. Ft.	16"	Pipe					
27000	Cu. Yds.	Common Excavation including Borrow	10-11	Lin. Ft.	18"	Pipe					
	Cu. Yds.	Sub-base of Field or Quarry Stone	12A	Lin. Ft.	24"	Pipe					
	Cu. Yds.	Sub-base of Crushed Rock or Slag	12B	Lin. Ft.	30"	Pipe					
	Cu. Yds.	Sub-base of Gravel	12B	Lin. Ft.	36"	Pipe					
30000	Cu. Yds.	Telford Base Course	12D	Lin. Ft.	12" Reinf Conc	Pipe	49A				
	Cu. Yds.	Sub-base of Sand	12E	Lin. Ft.	15"	Pipe	49B				
15	Days	Patrol Maintenance	13	Lin. Ft.	16"	Pipe					
	Cu. Yds.	Structure Excavation	15	Lin. Ft.	18"	Pipe	49C				
3049	Cu. Yds.	Broken Stone Base Course (3")	16	Lin. Ft.	24"	Pipe	49D				
2542	"	Crushed Stone Penetration Surface Course (2 1/2")	22B	Lin. Ft.	30"	Pipe					
	Cu. Yds.	Gravel Surface Course	20A	Lin. Ft.	36"	Pipe					
	Cu. Yds.	Gravel Surface Course (Crushed)	20B								
	Cu. Yds.	Gravel Shoulders	21	Lin. Ft.	Relaying Pipe Culverts		51				
	Cu. Yds.	Bituminous Macadam Surface Course	22A								
95228	Gals.	Asphalt Emulsion Binder	22E								
	Gals.	Refined Tar	22								
	Cu. Yds.	One Course Cement Concrete Pavement Type A	23A								
	Cu. Yds.	One Course Cement Concrete Pavement Type B	23B								
	Sq. Yds.	Bituminous Concrete Surface Course									
	Sq. Yds.	Single Bituminous Surface Treatment	25								
	Sq. Yds.	Double Bituminous Surface Treatment	26								
	Sq. Yds.	Natural Rock Asphalt Surface	27								
	Cu. Yds.	Concrete Class AA (1-1)-3)	34AA	Lin. Ft.	Un'erdrain With 6" P.C.G.M.P. Bit. Coated		65B				
175	Cu. Yds.	Concrete Class A	33A	Lin. Ft.	Wood Guard Rail		66				
	Cu. Yds.	Concrete Class B (1-2)-5)	34B	Lin. Ft.	Cable Guard Rail With Wood Posts		67A				
9500	lbs.	Reinforcing Steel	34	Each	Guide Posts of Wood		68A				
	lbs.	Structural Steel	36A				70A				
	Lump	Steel Superstructure	36B				70B				
	Sq. Yds.	Waterproofing Membrane	37	Each	State or Federal Aid Markers		69				
	Cu. Yds.	Cement Rubble Masonry	43	Sq. Yds.	Plain Cement Concrete Gutter		73				
350	Cu. Yds.	Dry Rubble Masonry	44	Sq. Yds.	Plain Cobble Gutter		74A				
	Sq. Yds.	Repointing Masonry	45	Sq. Yds.	Grouted Cobble Gutter		74B				
	Lin. Ft.	6" Vitrified Clay Pipe	50B	Each	Leaching Basins		75				
	Lin. Ft.	8" Vitrified Clay Pipe	50C	Each	Catch Basins of Brick		76A				
	Lin. Ft.	10" Vitrified Clay Pipe	50D	Each	Changing Elevations of Manholes and Catch Basins		77				
	Lin. Ft.	12" Vitrified Clay Pipe	50E	Each	Drop Inlet Grates		78				
		Contract Total									
500	Cy	Solid Rock Excavation		421	Cy	Concrete Class #					
167	"	Roadway (Est)		81	"	Pipe Culverts					
333	"	Culvert X Factor		97.5	"	Box Culverts (Repairs)					
1000	"	Overrun		21.3	"	Wall at Plainfield					
		Total		1750		Curb + Gutter + Overrun					
13821	Cy	Common Excav Incl Borrow		3620	lbs.	Total					
3321	"	Roadway as per plans		600	"	Reinforcing Steel					
2635	"	Borrow		1300	"	Pipe Culverts					
1360	"	Culverts X Factor		1980	"	Boxes					
261	"	Underdrain X Factor		7500	"	Wall at Plainfield					
5602	"	Retaining Walls		14.0	Cy	Curb, Gutter + Overrun					
27000	"	Overrun		293.5	"	Total					
		Total		42.5	"	Cement Rubble Masonry					
28881	Cy	Sub-base of Gravel		3500	"	Culvert Headwalls					
1000	"	Roadway as per plans				Retaining Wall					
261	"	Driveways + Culverts				Overrun					
2858	"	Ret Wall Backfill		22.9	Sq Yds	Total					
30000	"	Overrun		271		Grouted Cobble Gutter					
		Total		500		As per plans					
						Overrun					
						Total					

Government Participation

Common Excavation Incl Borrow
 13709 cy Roadway as per Section
 2495 cu. Borrow
 2635 " Culvert X Factor
 1360 " Underdrain X Factor
 261 " Retaining Walls
 5040 " Overrun
 23500 " Total

Subbase of Gravel
 23384 cy Roadway as per plans
 1000 cu. Driveway + Culverts
 261 " Ret Wall Backfill
 2755 " Overrun
 29400 cy Total

Broken Stone Base Course
 2898 cy

Broken Stone Surface Course
 2416 cy

Asphalt Emulsion
 90522 gal

Non-Govt. Participation

Common Excavation Incl Borrow
 112 cy Roadway as per sections
 826 cu. Borrow
 562 " Overrun
 1500 cy

Sub-base of Gravel
 497 cy Roadway as per plans
 103 " Overrun
 600 cy

Broken-Stone Base Course
 151 cy

Broken Stone Surface Course
 126 cy

Asphalt Emulsion
 4706 gals

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