

# SUMMARY OF QUANTITIES

STATION	TYPE	SIZE	LENGTH	EXCAVATION CU.YDS.	CONCRETE		REINF-STEEL LBS.	V.S.P. 18" LIN.FT.		
					1-5 1/2	1-8				
<b>STRUCTURES UNDER 20 FT.</b>										
21+21	Box	3'x3'	51'	50	21.6		1166			Remove old box. Build new 3'x3'x51' Std. Box Culvert.
41+02	Pipe	18"	52'	22	2.7	7.7	80	52		Remove old pipe. Build new 18"x52' Std. V.S.P. Culvert.
49+43	Pipe	18"	66'	25	2.7	9.9	80	66		Remove old pipe. Build new 18"x66' Std. V.S.P. Culvert.
52+88	Pipe	18"	54'	24	2.7	8.0	80	54		Remove old pipe. Build new 18"x54' Std. V.S.P. Culvert.
56+62	Pipe	18"	54'	25	2.7	8.0	80	54		Remove old pipe. Build new 18"x54' Std. V.S.P. Culvert.
<b>TOTAL OF QUANTITIES</b>				<b>146</b>	<b>32.4</b>	<b>33.6</b>	<b>1486</b>	<b>226</b>		

280870040  
280870078  
280870094  
280870100  
280870107

### SUMMARY OF EXCAVATION AND EMBANKMENT

From Station	To Station	Cubic Yards			
		Excav.	Emb.	Emb. 2%	Waste
0-50	8+00	4854	2501	3126	1728
8+00	22+50	7802	5835	7294	508
22+50	29+65	1324	1059	1324	
29+65	38+50	3333	2367	2959	374
38+50	42+70	1425	1103	1379	46
42+70	45+44	806	645	806	
45+44	49+20.3	1523	1218	1523	
49+20.3	52+00	1810	1333	1666	144
52+00	58+60	1772	1314	1642	130
58+60	62+56.3	756	497	621	135
<b>Totals</b>		<b>25,405</b>	<b>17,872</b>	<b>22,337</b>	<b>3065</b>

### SUMMARY OF BERMES, SLOPES & DITCHES

Total Length = 6,253.42 Lin. Ft.

### SUMMARY OF PAVEMENT

From Station	To Station	Brick Sq. Yds.	Macadam		Remarks
			20' Top Sq. Yds.	21' Base Sq. Yds.	
0+00	12+00	3197.7			1192.18 Lin. Ft. 24' Pav't.
12+00	62+56.3		11,236.2	11,798.0	20' Pav't.
49+93.36	54+00.69		73.3	73.3	Curve
12+00	13+00		22.2	22.2	Approach
61+56.3	62+56.3		130.0	130.0	Approach
<b>Totals</b>		<b>3197.7</b>	<b>11,461.7</b>	<b>12,023.5</b>	
		Conc. Base 1-7 Mix Sq. Yds.			
0+00	12+00	3353.15	Total.		
		Conc. Curb 7"x13" (1-5) Lin. Ft.			
0+00	12+00	2398.24	Total.		

### SUMMARY OF TYPE "D" GUARD RAIL

From Station	To Station	Side of Road	Lin. Ft.
0+00	2+48	Rt.	248
0+46	5+50	Lt.	504
2+84	3+48	Rt.	64
12+10	14+42	Lt.	232
12+10	14+82	Rt.	272
15+20	16+24	Lt.	104
20+40	22+00	Lt.	160
21+10	22+38	Rt.	128
32+80	35+76	Rt.	296
33+00	35+72	Lt.	272
40+00	41+60	Lt.	160
47+60	50+40	Lt.	280
48+40	50+40	Rt.	200
52+55	53+75	Lt.	120
56+30	56+86	Rt.	56
56+20	56+92	Lt.	72
<b>Total</b>			<b>3168</b>

### SUMMARY OF SPECIAL SIDE DITCH DRAINS 12" V.S.P. SLAG BACKFILL

From Station	To Station	Side of Road	Lin. Ft.
50+70	52+60	Rt.	190
50+70	52+60	Lt.	190
<b>Total</b>			<b>380</b>

### SUMMARY OF FRENCH DRAINS

4" Drain Tile with slag backfill to be placed where directed by the Engineer.  
Total = 300 Lin. Ft.

### SUMMARY OF CURR. PIPE FOR PRIVATE DRAIVES

Station	12"	18"	
2+65 Rt.		40'	
19+20 Rt.	20'		
19+20 Lt.			Grade only
24+20 Lt.		40'	
40+ Rt.	20'		
43+15 Lt.	20'		
<b>Totals</b>	<b>150'</b>	<b>80'</b>	

### SUMMARY OF STORM SEWER STA. 0+00 to 12+00

From Station	To Station	V.S.P. 15"	V.S.P. 12"	V.S.P. 12" Slog B.R.	Std. Inlet No. 2	Std. C. Basin No. 2	Conc. 1-5% Cu. Yds.	Conc. 1-8 Cu. Yds.
0+05	Diagonal		100'					
1+50	5+40	357'						
5+40	9+00		360'					
5+40	Under Pav't.		28'					
5+50	12+00			650'				
9+00	12+00			300'				
0+0 Lt.	-				1			
2+90 Rt.	-				1			
5+40 Rt.	-				1			
5+40 Rt.	-					1		
9+00 Rt.	-					1		
5+50 Lt.	-						1	
0 ±	1 ± 40						2.2	7.1
<b>Totals</b>		<b>357</b>	<b>488</b>	<b>950</b>	<b>4</b>	<b>2</b>	<b>2.2</b>	<b>7.1</b>

To Encase 66ft 12" V.S.P. See Sheet No. 2.