

SUMMARY OF QUANTITIES

STRUCTURES 20' AND UNDER (PROPOSED)														
NO.	DISTANCE FROM NAT'L RD	SPAN	RDWAY	ABUTMENTS	CONDITION	SUPR. STR	COND	REMARKS	QUANTITIES					
									1-6 1/2 CONC. G.R.	20" CMP	12" CMP	18" CMP	24" CMP	B.F. LUMBER
1	0.10 Mi.	17'	13'-8"	Stone & Conc	Good	Wood deck	Good	Build 32 Lin.ft. Type "B" G.R.		32'				
2	0.23 Mi.	4'	11'-8"	Stone	Good	Wood deck	Good	Build 32 Lin.ft. Type "B" G.R.		32'				
3	0.45 Mi.	9'-6"	11'-8"	Stone	Undermined	Wood deck	Good	Build Toe Wall Each Abut. Build 32 Lin.ft. Type "B" G.R.	60 C.Y.	32'				
3-A	0.65 Mi.	20' VSR	20'					Build 16' Cor. Ext.			16			
4	0.90 Mi.	9'-3"	11'-8"	Concrete	Good	Wood deck	Good	Build 56 Lin.ft. Type "B" G.R.		56'				
4-A	1.05 Mi.	10' Cor. P	14'					Replace with 24' of 12" Cor. M.P.				24'		
5	1.20 Mi.	8'-0"	11'-8"	Stone	Slight Undermined	Wood deck	Good	Build Toe Wall on S. Abut. 24' Long. Build 32 Lin.ft. Type "B" G.R.	60 C.Y.	32'				
6	1.55 Mi.	11'-0"	11'-8"	Stone	Good	Wood deck	Good	Build 32 Lin.ft. Type "B" G.R.		32'				
6A	1.60 Mi.	12' Cor. P	14'-0"					Replace with 24' of 18" Cor. M.P.				24'		
7	1.78 Mi.	8'-0"	11'-7"	Stone	Poor	Wood deck	Poor	Build Toe Walls, Face Abut. Replace Floor, Salvage good Floor Plank Bld. 32' G.R.	10.0 C.Y.	32				800
8	2.00 Mi.	7'-0"	11'-8"	Stone	Fair	Wood deck	Good	Place Mud Wall N. Abutment. Build 56 Lin.ft. Type "B" G.R.		56				
8A	2.65'	24' Cor. P	14'-0"					Extend with 12' of 24" Cor. M.P.					12	
Total.									22	304	16	24	24	12 800

SUMMARY (ACTUAL)			
ITEM	ROADWAY	Unit	Total Cost
E-1	Excavation 8412.5 Cu. Yds.	0.40	3364.80
I-15	Guard Rail Type "B" 304 Lin. Ft.	0.67	203.68
I-1	18" C.M.P. New Placed 80 "	1.85	148.00
I-4	12" " old relaid 76 "	1.25	95.00
Spec.	Clearing & Grubbing 2.8 Mi.	27.50	770.00
PAVEMENT			
T-10	T.B. Material 1400 C.Y.	1.86	2604.00
STRUCTURES UNDER 20 FT.			
S-27	Corr. Metal Pipe 36" 60 Lin. Ft.	5.62	337.20
S-27	Corr. Metal Pipe 48" 252 Lin. Ft.	7.00	1764.00
S-1	Conc. 1-6 1/2 Mix & Exc. 22 C.Y.	14.55	308.10
S-27	Corr. Metal Pipe 12" 72 Lin. Ft.	1.05	75.60
S-27	Corr. Metal Pipe 18" 24 Lin. Ft.	1.40	33.60
S-27	Corr. Metal Pipe 24" 42 Lin. Ft.	2.40	100.80
Total			3778.14
Survey & Plans 144.45			
Industrial Insurance 249.11			
Total Roadway Proper 10,171.70			
Engineering, Superintendence & Contingencies 938.60			
Total Cost			11,110.30

Quantities used in Structures 20 Ft. and Under									
No.	Dist. from Nat'l Rd.	Cu. Yd. 1 1/2 Conc.	Type "B" G.R. C.M.P.	New Corr. M. P.			Used "B" 12" C.M.P.	B.F. new Lumb.	Work Done
				12"	18"	24"			
1	0.10 mi.		80'						Build 80 Type "B" Guard Rail
2	0.23 "								" 32' " " G.R. Build Toe Wall each Abut.
3	0.45 "	6.0	32'						Extended present pipe
3-A	0.65 "		16'						Build 16' Type "B" Guard Rail
4	0.90 "		16'						Replaced 10' x 20' C.I.P.
4-A	1.05 "			24'					Build Toe Wall S. Abut. Build 48' Type "B" G.R.
5	1.20 "	6.0	48'						Replaced Floor. " 24' " " "
6	1.55 "		24'					600	" 10' x 16' C.I.P.
6-A	1.60 "			24'					Build Walls, Floor, 56' Type "B" G.R.
7	1.78 "	10.0	56'					200	" Mud Wall, 48' " " "
8	2.00 "		48'						Extended pres. pipe 12'
8-A	2.65 "					12'			Placed new 12" x 24' Corr. M. P.
9	2.60 "			24'					" old 12" x 24' " " "
10	2.70 "						24		" new 12" x 24' " " "
11	2.40 "			24'					
Totals		22.0	304	16'	72	24	12	24	800

New Corr. M. Pipe used to replace Wood Structures									
No.	Dist.	Size of C.M.P.			Work Done				
		24"	36"	48"					
1	0.10 mi.		60'		Placed twin 36"x30' C.M.P. Exc. new inlet				
2	0.23 "	30'			" 24"x30' "				
3	0.45 "			36'	" 48"x36' "				
4	0.90 "			36'	" 48"x36' "				
5	1.20 "			36'	" 48"x36' "				
6	1.55 "			72'	" twin 48"x36' "				
7	1.78 "			36'	" 48"x36' "				
8	2.00 "			36'	" 48"x36' "				
Totals		30'	60'	252'	Note: 800 B.F. Lumber salvaged from Strs.				

PIPE FOR PRIVATE DRIVES PROPOSED				
No.	Station	Side	Place	
			10" Corr. Metal Pipe	Lin. Ft.
1-D	0.3 miles	Rt.		24'
2-D	0.35 "	L		24'
3-D	0.55 "	L		16'
4-D	0.75 "	L		12'
5-D	0.85 "	R		16'
6-D	0.90 "	R+L		28'
7-D	1.30 "	R		16'
8-D	1.80 "	L		8'
Totals			80	76
Total				200'

Pipe used for Drives				
No.	Sta.	Side	12" Corr. M.P.	
			New	Old
1-D	0.3 mi.	R	12	4
2-D	0.35 "	L	16	
3-D	0.55 "	L		16
4-D	0.75 "	L	12	12
5-D	0.85 "	R	16	
6-D	0.90 "	R+L		28
7-D	1.30 "	R	16	
8-D	1.80 "	L	8	16
Totals			80	76