

SUMMARY OF QUANTITIES

STRUCTURES 20' Span & UNDER (C)

Items No.	Sheet No.	Excav. Cu. Yds.	Concrete Cu. Yds.		Reinf. Steel Lbs.	V.S.P. (enc.) Lin. Ft.		Pipe Removal Lin. Ft.			Cast Iron Pipe Lin. Ft.			Inlet Basins Using Exist. Castings	Inlet Basins I-8-C.B.*1/2	Inlet Basins I-8-I*5	Man. Holes I-8-M.H. No. 1
			1-5/2	1-6/2		12"	15"	12"	18"	24"	12"	16"	24"				
6C to 5C	3	70				78	102						3		6	1	
7C to 4C	4	48	1.7	2.7	47		102					160		2	2		
1C to 4C	5	84	6.2	2.7	158				60	50		278					
7C to 4C	6	14	4.1		104					50	46	50					
TOTALS		216	12.0	5.4	309	78	204	150	60	100	46	438	3	2	8	1	

EXCAVATION & EMBANKMENT

From Station	To Station	Excavation Cu. Yds.	Embankment Cu. Yds.	Emb. + 25% Cu. Yds.	Waste Cu. Yds.	Borrow Cu. Yds.
205+0	210+0	80	163	196		116
210+0	219+0	343	951	1189		846
219+0	230+68	856	5549	6936		6080
231+45	241+90.7	6,122	4855	6069	53	
241+90.7	250+59.74	22,611	18,543	23,179		568
250+59.74	262+68.5	4,086	8,368	10,460		6374
262+68.5	267+50	790	632	790		
267+50	275+06.3	882	810	1,013		131
275+06.3	278+56	516	364	455	61	
278+56	295+43.11	1066	2,075	2,490		1,424
TOTALS		37,352	42,310	52,777	114	15,539

ROADWAY DRAINAGE (D)

Item No.	Sheet No.	Pipe Lin. Ft.				Conc. 1-5/2 Cu. Yds.	Inlet Basins I-8-I *5	Manhole I-8-M.H. #1
		6"	12"	15"	18"			
1D	3		521					
1D to 3D	4	38	570	518	0.15	1		
TOTALS		38	1091	518	0.15	1		

CONCRETE GUTTER (G)

Item No.	Sheet No.	Conc. Gutter Lin. Ft.		Curb & Gutter Lin. Ft. I-12-C.C. No. 2
		I-14G *2	I-12-C.C. No. 2	
1G to 3G	3	1350		50
1G to 3G	4	1060		
TOTALS		2410		50

TREES REM. ✓

Sheet No.	No.
4	34
5	7
6	15
Total	56

PRIVATE DRIVES & RD APPROACHES (A)

Item No.	Sheet No.	Place 12" C.M.R. Aggregate Cu. Yd.	
		Place 12" C.M.R. Aggregate Cu. Yd.	Place 15" C.M.R. Aggregate Cu. Yd.
1A-10A	3	44	
1A-10A	4	60	15
TOTALS		60	59

GUARD RAIL (R) I-15 S.C.

Item No.	Sheet No.	Lin. Ft.
1R-11R	4	2744
1R	5	200
TOTAL		2944

PAVEMENT CALCULATION

Beginning of Project Sta. 205+00
 End of Project Sta. 295+43.11
 Gross length of Project 9043.11 lin. ft.
 Deductions
 Short Sta. - 228+50.67 back - 230+20.13 ahead = 169.46'
 Bridge No. LA-306-44 230+68 - 231+45 = 77'
 Net length of Project 8,796.65 lin. ft.
 (PAVEMENT)
 Net length of pavement where resurfacing on right is to be placed is from Sta. 205+0 to 217+82.73 net length 1,282.73 lin. ft.
 Width of resurfacing 10' average depth 6 1/2" Cu. Yds. of concrete in portion resurfaced $1,282.73 \times 10 \times 1.57$ = 257.35 Cu. Yds.
 Area of 10' width on left of portion resurfaced $1,282.73 \times 10$ = 12,827.3 Sq. Yds.
 Std. 9'-7"-7'-9" Conc. pav. 20' wide to be placed from Sta. 217+82.73 to Sta. 295+43.11 = 7,760.38'
 Deduct short sta. 228+50.67 back + 230+20.13 ahead = 169.46'
 Deduct for Bridge No. LA 306-44 = 77.00'
 Net length of conc. pav. Std. Sec. 20' wide = 7,513.92 lin. ft.
 Area of 20' wide Conc. pave. $7,513.92 \times 20$ = 16,697.60 Sq. Yds.
 Widening of Curves 217+82.73 to 227+89.73 = 182.36 Sq. Yds.
 255+30.91 to 261+98.24 = 118.41 " "
 267+77.53 to 276+91.19 = 185.47 " "
 276+91.19 to 286+24.43 = 190.44 " "
 Road Intersections 219+ 932.00 " "
 224+ 370.00 " "
 233+ 218.00 " "
 253+ 383.00 " "
 295+ 125.00 " "
 Total Additions 2,704.68 " "
 Total Area of Std. 9'-7"-7'-9" Conc. Pave. 20' wide T-70 19,402.28 Sq. Yds.
 " " Conc. pav. 10' wide T-71 1,425.25 " "
 Total Conc. in resurfacing (Cu. Yd. basis) T-71 257.35 Cu. Yds.
 Finishing Shoulders, Slopes & Ditches.
 Net length finishing shoulders, slopes and ditches is equal to net length of project 8,796.65 Lin. Ft.

GENERAL ROADWAY SUMMARY

Item.	Description	Quantity	Unit
E-1	Roadway Excavation (Unclassified)	37,352	Cu. Yds.
E-4	Borrow (Contractor to furnish)	15,539	Cu. Yds.
E-5	Finishing Shoulders, Slopes, Ditches (both sides)	8,796.65	Lin. Ft.
E-8	Removal + disposal of existing 6" conc. pav.	1,000	Sq. Yds.
I-3	6" V.S.P. (a) Roadway Drainage	38	Lin. Ft.
I-3	15" V.S.P. (a) Roadway Drainage	1,091	Lin. Ft.
I-3	18" V.S.P. (a) Roadway Drainage	518	Lin. Ft.
I-4	6" Drain tile, 30" deep, cinder backfill in place	2,000	Lin. Ft.
S-1	Concrete 1:5 1/2 Mix (headwalls)	0.15	Cu. Yds.
I-1	12" Corr. M.P. Sec. M-6.4 (b-4) drives	60	Lin. Ft.
I-17	Aggregate, drives + road approaches in place	59	Cu. Yds.
I-8	Inlet Basin I-8-I *5	1	Unit
E-9	Trees removed (over 8" diam.)	56	Units
I-15	Guard Rail (I-15-S.C.)	2,944	Lin. Ft.
I-14	Concrete Gutter (I-14G *2)	2,410	Lin. Ft.

PAVEMENT

Item	Description	Quantity	Unit
T-70	Portland Cement Concrete Pavement	19,402.28	Sq. Yds.
T-71	Reinforced Portland Cement Concrete Pavement	1,425.25	Sq. Yds.
T-71	Reinforced Portland Cement Concrete (Resurfacing)	257.35	Cu. Yds.
I-12	Combined Concrete Curb & Gutter (I-12-C.C. type #2)	50	Lin. Ft.
STRUCTURES 20' SPAN and UNDER			
E-2	Structural Excavation (Unclassified)	216	Cu. Yds.
S-1	Concrete (1:5 1/2 Mix)	12.0	Cu. Yds.
S-1	Concrete (1:6 1/2 Mix)	5.4	Cu. Yds.
S-4	Reinforcing Steel	309	Lbs.
S-27	12" V.S.P. (enc.) for Roadway Culverts	78	Lin. Ft.
S-27	15" V.S.P. (enc.)	204	Lin. Ft.
S-27	12" Cast Iron Pipe M-6.2 (A-1) for Roadway Culverts	46	Lin. Ft.
S-27	16"	438	Lin. Ft.
S-27	24"	100	Lin. Ft.
I-6	12" Pipe removed and stored	150	Lin. Ft.
I-6	18" Pipe	60	Lin. Ft.
I-6	24" Pipe	100	Lin. Ft.
I-8	Manholes (I-8-M.H. No. 1)	1	Unit
I-8	Inlets using exist. castings (I-8-C.B. *1*2)	3	Units
I-8	Inlet basins (I-8-C.B. *1 & *2)	2	Units
I-8	Inlet basins (I-8-I *5)	8	Units

ESTIMATED

2,000 Lin. Ft. 6" Drain tile, 30" deep, cinder backfill
 1,000 Sq. Yds. old 6" conc. pavement removed.