

SUMMARY OF SURFACING QUANTITIES													
P&P SHT. NO.	LOCATION STATION TO STATION		FLY ASH	CEMENT. STABILIZED SUBGRADE	SUBGRADE METHOD B	TACK COAT	PRIME COAT	SUPERRAVE TYPE S3 (PG 76-28 OK)	SUPERRAVE TYPE S3 (PG 64-22 OK)	SUPERRAVE TYPE S4 (PG 76-28 OK)	SUPERRAVE TYPE S4 (PG 64-22 OK)	RUMBLE STRIP - METHOD HMA-CYC	Sawing Pavement
			307(A)	307(E)	310(B)	407(B)	408	411(B)	411(B)	411(C)	411(C)	413(B)	619(C)
			TON	S.Y.	S.Y.	GAL.	GAL.	TON	TON	TON	TON	L.F.	L.F.
50	541+39.08	to 546+00.00	153.1	3,011.4		286.6	451.7	332.4	1,430.6	221.6	92.7	921.8	36.0
51	546+00.00	to 559+00.00	535.8	10,407.0		999.8	1,561.0	1,259.0	4,892.2	839.3	261.5	2,600.0	
52	559+00.00	to 572+00.00	612.8	11,826.6		1,141.7	1,774.0	1,497.5	5,528.2	998.3	261.5	2,600.0	
53	572+00.00	to 585+00.00	590.7	11,420.0		1,260.8	1,728.0	1,521.3	5,128.1	1,014.2	167.8	1,698.0	
54	585+00.00	to 598+00.00	521.0	10,135.2		1,479.0	1,563.6	1,553.4	4,360.9	1,035.6	0.0	0.0	
55	598+00.00	to 611+00.00	521.0	10,135.2		1,482.6	1,563.6	1,553.4	4,376.8	1,035.6	0.0	0.0	
56	611+00.00	to 624+00.00	566.9	10,981.6		1,332.6	1,671.5	1,531.9	4,889.0	1,021.3	112.1	1,140.0	
57	624+00.00	to 637+00.00	596.3	11,522.0		1,082.4	1,728.3	1,397.8	5,262.2	931.8	261.5	2,600.0	
58	637+00.00	to 649+17.58	416.9	8,183.8		732.5	1,227.6	836.7	3,668.7	557.8	245.0	2,435.2	36.0
59	Powell Street		49.8	917.6		79.5	137.6	133.5	356.1	89.0			24.0
60	Duffy Street		158.7	2,924.1		254.4	438.6	427.3	1,139.5	284.9			48.0
61	Hall Street		29.1	536.1		45.7	80.4	76.9	204.9	51.2			24.0
62	5th Street		72.4	1,334.9		115.8	200.2	194.5	518.6	129.6			48.0
Temporary Pavement Widening													
	Phase1					2,571.9	108.5	0.0		364.7		364.7	
	Phase 2					5,512.0	245.6	0.0		825.2		825.2	
TOTAL			4,825.0	93,336.0	8,084.0	10,648.0	14,127.0	12,316.0	42,946.0	8,211.0	2,593.0	13,995.0	216.0

SUMMARY OF PAVED DITCHES								
Sht. No.	Location Station to Station	Design No.	Bottom Width	Side Slope	Length	No. of Curtain Walls	Class C Conc.	Remarks
			FT.	XX:1			L.F.	
51	Sta. 549+50.00 to Sta. 550+50.00, RT	2A	8	3:1	100.0	2	18.1	
51-52	Sta. 551+10.00 to Sta. 559+90.00, RT	2A	8	3:1	880.0	9	157.6	
53	Sta. 576+60.00 to Sta. 581+80.00, LT	2A	8	3:1	520.0	6	93.3	
54	Sta. 591+78.00 to Sta. 593+03.00, LT	2A	8	3:1	125.0	2	22.6	
55	Sta. 605+10.00 to Sta. 610+35.00, LT	2A	8	3:1	525.0	6	94.2	
56	Sta. 611+02.00 to Sta. 615+00.00, LT	2A	8	3:1	398.0	4	71.3	
58	Sta. 637+60.00 to Sta. 641+50.00, LT	2A	8	3:1	390.0	4	69.9	
TOTAL							527.0	

SUMMARY OF EROSION CONTROL										
SHT. NO.	LOCATION STATION TO STATION		TEMPORARY		PERMANENT					
			TEMPORARY SILT FENCE	TEMPORARY SILT DIKE	TYPE A SALVAGED TOPSOIL	SOLID SLAB SODDING	FERTILIZING (10-20-10)	MOWING	WATERING	
			221(C)	221(F)	205(A)	230(A)	**	241	**	
			L.F.	L.F.	C.Y.*	S.Y.	TON	AC.	M-Gal	
13	539+77.85	TO 559+00.00	3845.0	320.0	2,146.0	16652.0		1.7	6.8	666.1
14	559+00.00	TO 585+00.00	5200.0	520.0	3,803.0	27942.0		2.8	11.6	1,117.7
15	585+00.00	TO 611+00.00	5200.0	420.0	2,781.0	22024.0		2.2	9.2	881.0
16	611+00.00	TO 637+00.00	5200.0	520.0	3,569.0	27697.0		2.8	11.4	1,107.9
17	637+00.00	TO 649+00.00	2400.0	200.0	1,192.0	8961.0		0.9	3.8	358.4
17	10+00.00	TO 18+82.14	1765.0	100.0	445.0	3204.0		0.3	1.4	128.2
TOTAL			23,610.0	2,080.0	13,736.0	106,480.0		10.7	44.2	4,259.3

\* ESTIMATED QUANTITY TO BE PAID AS LUMP SUM.  
 \*\* TO BE PAID FOR UNDER OTHER ITEMS OF WORK.

SUMMARY OF REMOVAL																					
Removal Sht. No.	Location From Station to Station		Asphalt Pavement Removal 619(B)	Structures and Obstructions 619(A) L. Sum																	
				Gravel Driveway	20" x 18" CGSP	18" CGSP	20" CGSP	22" CGSP	24" CGSP	36" x 22" CGSP	6' x 2' RCB	24" RCP	Headwall	CET	Radio Tower	Mailbox	Fence	Gate	Signs		
				S.Y.	S.Y.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	L.F.	EA	EA	EA	L.F.	EA	EA		
44	541+39.08	to 559+00.00	8,050				31										1	616	1	1	
45	559+00.00	to 572+00.00	5,661																		
46	572+00.00	to 585+00.00	9,863	4,328	109																
47	585+00.00	to 611+00.00	16,021	1,671	49	65				36	67										
48	611+00.00	to 637+00.00	15,039	2,239	70																
49	637+00.00	to 649+17.58	5,423																		
TOTAL			60,057	8,239	228	85	31	29	71	67	108	74	2	4	1	1	1	3,285	1	1	

SUMMARY OF FENCES							
Sht. No.	Location Station to Station		Length (Plus 2%)	Height	Style	Gates	Remarks
			624(C)			624(B)	
			L.F.	FT.	EA.		
50	541+00.00	to 546+00.00	504		SWF 5 BARBED WIRE		
51	546+00.00	to 547+12.00	114		SWF 5 BARBED WIRE	1	
53	574+50.00	to 578+60.00	412		SWF 5 BARBED WIRE		
56	616+51.00	to 619+02.41	262		SWF 5 BARBED WIRE	1	
56	623+15.00	to 624+00.00	88		SWF 5 BARBED WIRE		
57	624+00.00	to 637+00.00	1,318		SWF 5 BARBED WIRE		
58	637+00.00	to 637+20.00	21		SWF 5 BARBED WIRE		
TOTAL			2,720	n/a	n/a	2	n/a

SUMMARY OF EARTHWORK QUANTITIES						
Location Station	Station to	Unclassified Excavation 202(A)	Embankment + 15%	Estimated Excess Excavation	Unclassified Borrow 202(D)	Notes
		C.Y.	C.Y.	C.Y.	C.Y.	
<b>PHASE I</b>						
568+61.02	to 594+54.72	416	381	35		127 C.Y. Excess Excavation
611+88.82	to 622+05.85	184	91	93		
<b>PHASE II</b>						
534+21.11	to 543+19.10	115	931		817	
543+20.00	to 647+37.00	4,012	51,342		47,330	
647+37.57	to 659+59.84	342	511		170	48,626 C.Y. Borrow
Duffy Street (15+83	to 18+82)	440	442		3	
5th Steet (13+01	to 14+64)	51	358		307	
<b>PHASE III</b>						
539+77.85	to 649+47.74	11,539	23,928		12,389	
Powell Street (10+34	to 13+30)	135	698		564	15,086 C.Y. Borrow
Duffy Street (10+00	to 15+83)	1,410	11		1,399	
5th Steet (10+36	to 13+01)	189	923		735	
TOTAL		18,832	79,618	128	63,713	63,585 C.Y. Borrow

SUMMARY OF RIPRAP											
Sht. No.	Str. No.	Structure Size	Approximate Downstream Station	V50 Outlet Velocity	Length of RIPRAP (Downstream)	Width of Headwall	Depth of RIPRAP	Volume of RIPRAP	RIPRAP		
				FPS					FT.	FT.	C.Y.
											601(A) Ton
52	1	(2) 8' x 4' RCB	560+00.00	10.2	20.0	20.0	1.5	22.2		36.0	
54	2	18" RCP	585+00.00	4.5	20.0	3.0	0.7	1.5		2.4	
54	3	24" RCP	593+29.00	7.7	20.0	4.0	0.7	2.0		3.2	
55	4	24" RCP	605+00.00	6.8	20.0	4.0	0.7	2.0		3.2	
56	5	30" RCP	613+00.00	7.1	20.0	5.0	0.7	2.5		4.0	
57	6	8' x 3' RCB	630+00.00	7.9	20.0	12.0	1.5	13.3		21.6	
TOTAL										71.0	

SUMMARY OF DRIVES																		
Sht. No.	Station	Lt.	Rt.	Type	Return Radius		Width	Add. Length Beyond Return	Asphalt Concrete Type S4 (PG 76-28 OK)	Depth Type S4	# of Tack Coat Layers	Prime Coat	Asphalt Concrete Type S3 (PG 76-28 OK)	Depth Type S3	6" CONCRETE DRIVEWAY 610(B)		TBSC Type E	TBSC Depth
					Lt.	Rt.									FT.	FT.		
					IN.	IN.	FT.	FT.	TON	IN.	Gal.	EA.	Gal.	TON	IN.	S.Y.	TON	IN.
51	550+82.00			Asph. Pvt.	15	15	12.0	111.0	19.8	2	18.7	1	29.4	49.4	5	0.0	0.0	
54	588+04.40			Asph. Pvt.	15	15	22.0	77.0	29.6	2	13.9	1	22.0	73.9	5	0.0	0.0	
54	588+71.53			Asph. Pvt.	25	25	24.0	65.0	29.6	2	12.3	1	19.3	73.9	5	0.0	0.0	
54	592+62.79			Asph. Pvt.	15	15	16.0	135.0	30.9	2	22.0	1	34.7	77.3	5	0.0	0.0	
54	593+50.70			Asph. Pvt.	35	35	24.0	89.0	47.3	2	15.6	1	24.6	118.2	5	0.0	0.0	
54	595+35.92			Conc. Comm.	25	25	36.0	18.0	0.0		0.0		0.0	0.0		231.3	0.0	
54	597+31.44			Asph. Pvt.	15	15	16.0	86.0	20.8	2	15.2	1	23.9	52.0	5	0.0	0.0	
55	602+40.06			Asph. Pvt.	15	15	20.0	120.0	33.6	2	19.9	1	31.4	84.0	5	0.0	0.0	
56	614+05.66			Asph. Pvt.	15	15	20.0	147.0	40.1	2	23.7	1	37.3	100.4	5	0.0	0.0	
56	616+01.38			Asph. Pvt.	15	15	24.0	91.0	34.1	2	15.9	1	25.0	85.2	5	0.0	0.0	
56	622+61.46			Asph. Pvt.	15	15	20.0	34.0	13.5	2	7.9	1	12.5	33.7	5	0.0	0.0	
60	13+41.30			TBSC Dr.	15	15	14.0	44.0	0.0		9.3	1	14.7	0.0				