REV. JUNE 3, 1987

STATE PROJECT NUMBER | SHEET NO. | TOTAL SHEETS
GA. EDF-017-3(39) 8 194
REV. 5-13-87 & 9-8-87

SURFACING QUANTITES

SHEET NO	TON 1 1/2" ASPH "E"	TON PLAIN PC CONC. PAV.	TON 2" ASPH CONC. TYPE "B"	TON 4" ASPH. CONC BASE	TON ASPH. LEVELING	SQ YD. GR. AGG. BASE 4"	SQ YD. GR. AGG. BASE 8"	GAL. TACK COAT	TON * 6" AGGR. SURFACE COURSE
11	1006		1342	2681			9465	661	23
13	899		1282	2562			10,650	768	46
14	832		1187	2391			9940	714	17.6
16	892		1281	2562			10,650	765	46
17	772		1037	2220			9290	663	46
19	851		1351	2720			11,338	789	
20	891		1271	2562			10,650	765	
22	891		1271	2562			10,650	765	32.9
23	917		1306	2632			10,970	786	
25	891		1271	2562			10,650	765	30.2
26	891		1271	2562			10,650	765	92
28	912		1301	2622			10,899	783	
28C	382	.72	545	699	71	57	28,497	479	
29	923		857	1271			8109	1201	15.3
31	889		864	1713			10,970	802	79.2
32	612		806	1643			6871	482	3.9
34	535		742	1540			6260	471	
35	174		237	483			2104	144	
37	132		243	437			1978	108	21.6
TOTALS	14,292	.72	19,265	38,424	71	57	185,378	12,372	453.7

* TO BE USED FOR DRIVEWAYS

GUARDRAIL

SHEET NO.	LOCATION	SIDE	LIN. FT. "T" BEAM	LIN. FT. W BEAM	ANCHORAGE EACH TYPE 9	ANCHORAGE EACH TYPE 1
13	STA 39+70 – STA 41+10	L		135		1
14	STA 41+00 – STA 42+75	L		75	1	
37		L,R		638	2	4
17	STA. 81+50 – STA. 82+00	R		113	1	
19	STA. 82+50 – STA. 85+50	R		250		1
20	STA. 141+50 – STA. 143+00	R		150	1	1
26	STA. 168+50 – STA. 173+00	R		450	1	
28	STA. 173+00 – STA. 178+68	R		590		1
TOTALS				2100	6	8

① APPROXIMATE STATIONS

EARTHWORK QUANTITIES

SHEET NO.	CU. YD. ② UNCLASS EXCAVATION	CU. YD. ③ UNCLASS EXCAVATION SHRINKAGE	CU. YD. EMBANKMENT	CU. YD. ② BORROW	CU. YD. ④ BORROW
11 13	22,961 54,954	19,522 46,711	479 1826		
14 16	11,992 1910	10,193 1623	3601 24,582		
17 19	5705 56,635	4910 47,290	47,038 19,265		
20 22	11,400 47,122	9758 40,054	54,169 5276		
23 25	16,109 15,345	13,694 13,044	6313 19,415		
26 28	7016 53,055	5,964 45,097	49,776 32,476		
29 31	2192 5726	1863 4867	5918 2078		
28C 32	28,931 18,930	22,526 13,228	1,103 180		
34	1,747	1,485	333		
35	5,003	4,253	266		
37	109	93	5004		
TOTALS	336,929	286,392	279,910		

NO SEPERATE PAYMENT FOR HAUL ON UNCLASSIFIED EXCAVATION WILL BE MADE ON THIS PROJECT. THE COST OF ALL HAUL SHOULD BE INCLUDED IN THE UNIT BID FOR UNCLASSIFIED EXCAVATION.

THE QUANTITIES SHOWN HAVE BEEN COMPUTED BY STANDARD ACCEPTABLE METHODS FOR MAKING SUCH COMPUTATIONS. THE COMPUTATIONS ARE BASED ON AVERAGE SHRINKAGE AND SWELL CONSTANTS DETERMINED BY LABORATORY ANALYSIS OF THE SOILS ENCOUNTERED DURING THE SOIL SURVEY. HOWEVER, THE DEPARTMENT OF TRANSPORTATION, BY INCLUDING THE MASS DIAGRAM IN THE PLANS, ASSUMES NO RESPONSIBILITY FOR ITS ACCURACY. NO CLAIMS WILL BE CONSIDERED IF THE CONTRACTOR RELIES ON THE MASS DIAGRAM AND LATER FINDS THAT THE CONDITION ENCOUNTERED ON CONSTRUCTION ARE IN ANY DEGREE DIFFERENT FROM THOSE INDICATED BY THE MASS DIAGRAM.

② NEAT VOLUME

③ A SHRINKAGE FACTOR OF 15 PERCENT HAS BEEN APPLIED TO THE EXCAVATION QUANTITIES WITHIN THE CONSTRUCTION AREA.

WOVEN WIRE FENCE (L.F)

TOTAL; 32,629

CONC. BLOCK WALL REMOVAL

37 C.Y.

CONC. DOWELED INTEGRAL CURB

TYPE 4 — 285 L.F.

FENCE

SHEET	TYPE	L.F.
29	CHAIN LINK	260

AGGREGATE SURFACE COURSE

INCLUDING MATERIAL & HAUL

1000 TONS

NOTE: FOR USE IN INCLEMENT WEATHER TO FACILITATE THE MOVEMENT OF LOCAL TRAFFIC ALONG ROADWAY CONSTRUCTION AND TO PERMIT INGRESS AND EGRESS AT DRIVES. WHEN USED FOR THIS PURPOSE, SECTION 318GA STANDARD SPECIFICATIONS IS MODIFIED TO PERMIT TRUCK DUMP 'G ON UNPREPARED AND MUDDY SUBGRADE. SECTION 318 IS FURTHER MODIFIED TO PERMIT THE USE OF CRUSHER RUN STONE AS DESCRIBED IN SECTION 806.02.

THE CONTRACTOR WILL HAVE THE CHOICE OF THE FOLLOWING MATERIAL:
GRADED AGGREGATE - ARTICLE 815.01
COURSE AGGREGATE - SIZE 457 - ARTICLE 800.01
STABILIZER AGGREGATE TYPE 1 OR 2 - SECTION 803
CRUSHER STONE - ARTICLE 806.02

ALL MATERIAL TO BE USED AS DIRECTED BY THE ENGINEER

SILT CONTROL GATE

SHEET NO.	TYPE 1	TYPE 2	TYPE 3
16	1		
20	1		
23			1
25		1	
26			3
28			1
TOTALS	2	1	5

CONC. MEDIAN, 4 IN.

SHEET NO.	SQ. YD
11	505

CLEARING AND GRUBBING

ITEM	UNIT	AMOUNT
LUMP SUM	ACRE	88.64

THE TOTAL ACREAGE IN THE RIGHT OF WAY, CONSTRUCTION EASEMENTS SHOWN FOR CLEARING AND GRUBBING (LUMP SUM) IS FOR ESTIMATING PURPOSES ONLY.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE TOTAL ACREAGE SHOWN IN CASE HE ELECTS TO USE THE PLAN QUANTITY IN ESTABLISHING HIS BID PRICE. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION IN CASE THE ACREAGE SHOWN IS LESS THAN THE ACTUAL ACREAGE, NOR WILL THE DEPARTMENT OF TRANSPORTATION CLAIM ANY REDUCTION IN PAYMENT IN CASE THE ACREAGE SHOWN EXCEEDS THE ACTUAL ACREAGE.

CONC. SIDEWALK, 4 IN

SHEET NO.		SQ. YDS.
11		350
TOTALS		350

GRASSING

	UNIT	QUANTITY	FERTILIZER MIXED GRADE TON	FERTILIZER NITROGEN CONTENT LB	AGRICULTURAL LIME TON
COMPLETE	LUMP SUM	64.90 ACRES	58.4	3245	194.7
ADDTIONAL GRASSING	LB.	350	2.9	163	9.75
TOTALS			61.3	3408	204.5

⑥ APPROXIMATELY 64.9 ACRES OF GRASSING REQUIRED (FOR ESTIMATING PURPOSES ONLY).

CURB & GUTTER, 6" x 30", TYPE 2

SHEET NO.		LIN. FT.
11		2205
29		2760
31		600
TOTALS		5565

HEADER CURB, 6", TYPE 2

SHEET NO.		LIN. FT.
11		350
29		350
31		420
TOTAL		1120

ASPHALT CONCRETE REMOVAL

SHEET NO.	TONS
34	400
35	460
TOTAL	860

AREA RECLAMATION BORROW PIT

LOCATION SHEET NO.	SEEDING ACRE	AGRICULTURAL LIME TON
TOTALS		

SILT FENCE, MULCH, TEMP. PIPE SLOPE DRAINS ⑦

SHEET NO.	MULCH SY	SILT FENCE L.F. TYPE A	DRAINS L.F.	BALED STRAW BIOEVAL OR EQ.
11	162	—	—	
13	502		14	630
14	394		23	747
16	2808		307	850
17	499	320	401	160
19	796	260	98	
20	3738	1020	375	
22	853	40	78	
23	—	40	—	
25	1182	305	137	90
26	3716	1770	210	
28	1875	600	74	
28C	3600			1000
29	1834	2186	147	
31	—	1093	—	
32	—		—	180
34	—	—	—	
35	—	—	—	
37	—	450	—	
TOTALS	26,651	8,004	1654	3847

SEDIMENT BASINS

SHEET NO.	SIDE	TYPE 1
20	RT.	1
23	RT.	1
25	RT.	1
25	LT.	1
TOTALS		4

① REMOVE PARAPETS

STATION	SIZE OF BOX CULVT.	QUANTITY
120+29	3x3	1
128+10	6x6	2
TOTALS		

① REMOVE PARPETS AND PORTIONS OF WINGWALLS DOWN TO ELEVATION AT TOP OF BOX.

DITCH PROTECTION (SQ. YD)

SHEET NO.	BITUM. TREATED FIBER MULCH	GLASS	PERMANENT REINFORCING	SOIL MAT
11	0		126	
13	334		1039	
14	623		0	
17	302		0	
20	120		373	
22	2517		0	
23	2949		0	
25	1067		1365	
26	0		1239	
28	1458		0	
TOTALS	9967		3980	

PLAIN CONC. DITCH PAVING, 4 IN.

SHEET NO.	SIDE	SQ. YD
20	LT	333
20	RT	225
22	RT	83
13	RT	920
14	RT	1472
26	RT	44
TOTALS		3057

CONCRETE RIGHT OF WAY MARKERS

TOTALS 138

TRAFFIC CONTROL

LUMP SUM

PERFORATED UNDERDRAIN PIPE / AGGREGATE DRAINAGE COURSE

LUMP SUM	1000 L.F.	

TO BE PLACED AS DIRECTED BY ENGINEER

⑦ TEMPORARY PIPE SLOPE DRAINS THAT ARE REMOVED WILL BECOME THE PROPERTY OF THE CONTRACTOR. HOWEVER, SOME PIPE SLOPE DRAINS MUST REMAIN IN PLACE UNTIL THE PAVEMENT IS CONSTRUCTED. THE LOCATION AND NUMBER OF PIPES LEFT IN PLACE WILL BE DETERMINED BY THE ENGINEER. PIPE SLOPE DRAINS LEFT IN PLACE ON THIS PROJECT WILL BECOME THE PROPERTY OF THE DEPARTMENT.