DETAILED ESTIMATE

ITEM NO	DESCRIPTION	UNIT	ALL ITEMS QUANTITY	GRADING DRAINAGE CULVERTS QUANTITY	SIGNING & PAVING QUANTITY
150-1000	TRAFFIC CONTROL PROJECT NO. EDFR-017-3(39)	LUMP	LUMP	LUMP	
201-1000	CLEARING & GRUBBING	LUMP	LUMP	LUMP	
205-0001	UNCLASSIFIED EXCAVATION	CU. YD	340,000	340,000	
207-0203	FOUNDATION BACKFILL MATL. TYPE 2	CU. YD.	98	98	
441-0740	CONC. MEDIAN, 4 IN	SQ. YD	505		505
441-0104	CONC. SIDEWALK, 4 IN	SQ. YD	350	350	
441-5054	CONC DOWELED INTEGRAL CURB, TP 4, INCL. DOWELS	LIN FT	285	285	
310-5080	GRADED AGGR. BASE CRSE., 8" INCL. MAT'L.	S.Y	191,000		191,000
318-3000	AGGREGATE SURFACE COURSE	TON	1475	1000	475
400-0111	ASPH. CONC. B, GP 1 OR 2, INCL. BITUM. MAT'L. & H. LIME	TON	19,950		19,950
400-0120	ASPH. CONC. BASE, GROUP 1 OR 2, INCL. BITUM. MAT'L. & H. LIME	TON	39,600		39,600
400-0130	ASPH. CONC. E, GROUP 2 ONLY, INCL. BITUM. MAT'L. & H. LIME	TON	14,750		14,750
413-1000	BITUM. TACK COAT	GAL	12,750		12,750
441-0204	PLAIN CONC. DITCH PAVING, 4 IN.	SQ. YD.	3,057	3,057	
441-0303	CONC. SPILLWAY, TYPE 3	EACH	3	3	
441-5002	CONC. HEADER CURB, 6 IN., TYPE 2	LIN. FT.	1120		1120
441-6022	CONC. CURB & GUTTER, 6 IN. X 30 IN., TYPE 2	LIN. FT	5565		5565
500-3101	CLASS A CONCRETE	CU. YD.	1233	1233	
500-3800	CLASS A CONCRETE INCL. REINFORCING STEEL	CU. YD.	44	44	
511-1000	BAR REINFORCEMENT STEEL	LB.	129,445	129,445	
550-1150	STORM DRAIN PIPE 15" H1-10	LIN. FT.	100	100	
550-1180	STORM DRAIN PIPE 18" H1-10	LIN. FT.	192	192	
550-1181	STORM DRAIN PIPE 18" H 10-15	LIN. FT	148	148	
550-1182	STORM DRAIN PIPE 18" H 15-20	LIN. FT.	20	20	
550-1240	STORM DRAIN PIPE 24" H1-10	LIN. FT.	353	353	
550-1242	STORM DRAIN PIPE 24" H 15-20	LIN. FT.	310	310	
550-1360	STORM DRAIN PIPE 36" H1-10	LIN. FT.	102	102	
550-1361	STORM DRAIN PIPE 36" H1-10-15	LIN. FT.	136	136	
550-1362	STORM DRAIN PIPE 36" H15-20	LIN. FT.	169	169	
550-1420	STORM DRAIN PIPE 42" H1-10	LIN FT.	90	90	
550-1482	STORM DRAIN PIPE 48" H15-20	LIN. FT.	384	384	
550-2150	SIDE DRAIN PIPE 15" H1-10	LIN. FT.	684	684	
550-2180	SIDE DRAIN PIPE 18" H1-10	LIN. FT.	229	229	
550-4015	FLARED END SECTION 15" (SIDE)	EACH	39	39	
550-4018	FLARED END SECTION 18" (SIDE)	EACH	16	16	
550-4018	FLARED END SECTION 18" (STORM)	EACH	8	8	
550-4024	FLARED END SECTION 24" (STORM)	EACH	7	7	
550-4036	FLARED END SECTION 36" (STORM)	EACH	1	1	
550-4042	FLARED END SECTION 42" (STORM)	EACH	3	3	
550-4030	FLARED END SECTION 30" (STORM)	EACH	2	2	
573-2006	UNDER DRAIN PIPE INCL. DRAINAGE AGGR., 6 IN	LIN. FT.	1000	1000	
310-5040	GRADED AGGR. BASE CRS., 4 IN., INCL. MATL	SQ. YD.	65		65
400-1812®	ASPHALTIC CONC. LEVELING, INCL. BIT. MATL & H. LIME	TON	71		71
430-0180	PLAIN P.C. CONC. PAVMT., CL. I CONC., 8 IN.	SQ. YD.	72		72
550-1300	STORM DRAIN PIPE, 30 IN., H=1-10	LIN. FT.	90	90	
610-0215	REM. CHAIN LINK FENCE, 6 FT, WITH B.W. AND EXT. ARMS	LIN. FT.	290	290	
610-5785	REM. CHAIN LINK GATE, DBL 10X6 - ROLLER	EACH	2	2	
611-5001	RESET CHAIN LINK GATE, DBL. 10X6 - ROLLER	EACH	2	2	
610-4335	REMOVE CONC BLK MASONRY	CU YD	37	37	
610-9099	REMOVE WINGWALLS & PARAPETS, STA. 120+29	LUMP	LUMP	LUMP	
610-9099	REMOVE WINGWALLS & PARAPETS, STA. 128+10	LUMP	LUMP	LUMP	
610-9099	REMOVE WINGWALLS & PARAPETS, STA. 128+10	LUMP	LUMP	LUMP	
639-2001	STEEL WIRE STRAND CABLE 1/4 IN	LIN. FT	639		639
639-2002	STEEL WIRE STRAND CABLE 3/8 IN	LIN. FT	639		639
614-1000	CONSTR. MAINT. & REMOVE DETOUR STA. 58+00	LUMP	LUMP	LUMP	
614-1000	CONSTR. MAINT. & REMOVE DETOUR STA. 94+57	LUMP	LUMP	LUMP	
614-1000	CONSTR. MAINT. & REMOVE DETOUR STA. 179 + 00	LUMP	LUMP		
634-1200	RIGHT OF WAY MARKER	EACH	138	138	
636-1014	HIGHWAY SIGNS, TYPE 1 MAT'L.-REFL. SHEETING, TYPE 1, LEVEL A	SQ. FT.	871		871
636-1023	HIGHWAY SIGNS, TYPE 2 MAT'L. REFL. SHEETING, TYPE 1, LEVEL A	SQ. FT.	81		81
636-2010	GALV. STEEL POSTS, TYPE 1	LIN. FT.	308		308
636-2020	GALV. STEEL POSTS, TYPE 2	LIN. FT.	894		894
639-3002	STEEL STRAIN POLE, TYPE II	EACH	12		12
639-3003	STEEL STRAIN POLE, TYPE III	EACH	2		2
641-1200	GUARDRAIL TYPE W	LIN. FT	2700		2700
641-5001	GUARDRAIL ANCHORAGE, TYPE 1	EACH	8		8
641-5009	GUARDRAIL ANCHORAGE, TYPE 9	EACH	6		6
643-8104	BARBED WIRE FENCE, 4 STRAND	LIN. FT.	50	50	
611-5020	RESET CHAIN LINK FENCE, 6 FT. WITH B.W. AND EXT. ARMS	LIN. FT.	290	290	
652-0210	PAVEMENT MARKING, WORD, TYPE 1	EACH	11		11
652-0120	PAVEMENT MARKING, ARROW, TYPE 2	EACH	39		39
652-5401	SOLID TRAFFIC STRIPE, 4", WHITE	LIN. FT.	41810		41810
652-5402	SOLID TRAFFIC STRIPE, 4", YELLOW	LIN. FT.	44890		44890
		LIN. FT.			
652-5801	SOLID TRAFFIC STRIPE, 8", WHITE	LIN. FT	729		729
652-6401	SKIP TRAFFIC STRIPE, 4", WHITE	GR. LIN. FT.	37350		37350
652-6402	SKIP TRAFFIC STRIPE, 4", YELLOW	GR. LIN. FT.	37130		37130
668-1100	CATCH. BASIN, GROUP 1	EACH	5	5	
668-1200	CATCH BASIN, GROUP 2	EACH	1	1	
668-2100	DROP INLET, GROUP 1	EACH	2	2	
668-5000	JUNCTION BOX	EACH	1	1	
653-1604	THERMOPLASTIC SOLID TRAFFIC STRIPE, 18 IN., WHITE	LIN. FT.	212		212
653-6004	THERMOPLASTIC TRAFFIC STRIPING, WHITE	SQ. YD.	10		10
653-6006	THERMOPLASTIC TRAFFIC STRIPING, YELLOW	SQ. YD.	172		172
	EROSION CONTROL				
603-6008	SAND-CEMENT BAG RIP-RAP, 8 IN. THICK	SQ. YD	7	7	
700-6001	GRASSING COMPLETE	LUMP	LUMP	LUMP	
700-6100	ADDITIONAL GRASSING	LBS.	350	350	
700-7000	AGRICULTURAL LIME	TON	210	210	
700-9000	FERTILIZER MIXED GRADE	TON	65	65	
700-8100	FERTILIZER NITROGEN CONTENT	LB.	3410	3410	
654-1002	RAISED PAVEMENT MARKERS, TYPE 2.	EACH	325		325
654-1010	RAISED PAVEMENT MARKERS, TYPE 10	EACH	619		619
710-1000	PERMANENT SOIL REINFORCING MAT, TYPE A	SQ. YD.	3980	3980	
715-1200	BITUMINOUS TREATED GLASS FIBER, WATERWAY	SQ. YD.	9967	9967	
	TEMPORARY EROSION CONTROL				
163-1011	CONSTR. MAINT. & REMOVE SILT CONTROL GATE, TYPE 1	EACH	2	2	
163-1012	CONSTR. MAINT. & REMOVE SILT CONTROL GATE, TYPE 2	EACH	1	1	
163-1013	CONSTR. MAINT. & REMOVE SILT CONTROL GATE, TYPE 3	EACH	5	5	
163-1022	CONSTR. MAINT. & REMOVE PIPE SLOPE DRAIN	LIN. FT.	1654	1654	
163-1041	CONSTR. MAINT. & REMOVE SEDIMENT BASIN, TYPE 1	EACH	4	4	
163-2051	CONSTR. & MAINT. BALED STRAW EROSION CHECK	LIN. FT.	4000	4000	
164-1000	STRAW MULCH STABILIZATION	SQ. YD	27,500	27,500	
171-0010	TEMPORARY SILT FENCE, TYPE A	LIN. FT.	8,004	8,004	
	FENCE				
643-1133	CHAIN LINK FENCE, ZC. COAT, 4 FT., 11 GA.	LIN. FT.	260	260	
643-4000	WOVEN WIRE FENCE	LIN FT	32,629	32,629	

GENERAL NOTES.

CONSTRUCTION LAYOUT SHALL BE PERFORMED BY CONTRACTOR.

GRADING AND SURFACING OR RESURFACING AND WIDENING

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF PROPOSED OR FUTURE SURFACING AT GRADE POINTS SHOWN ON TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

CLEARING & GRUBBING

CLEARING AND GRUBBING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS OF PROPOSED GRADING, REMOVAL OF PAVEMENT, SIDE DRAINS AND FENCING SHALL ALSO BE INCLUDED IN THIS ITEM.

SUPERELEVATION

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH GA DOT 9020-C USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION

SHOULDER CONSTRUCTION ON HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH GA DOT STD. 9028-C.

SIDE ROADS

THE CONTRACTOR WILLS BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES.

UNDERDRAINS

UNDERDRAINS SHALL BE CONSTRUCTED AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TYPICAL OF SHEET AND AS SHOWN ON THE PLANS. LOCATIONS SHALL BE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES.

GUARDRAIL

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL.

OBSTRUCTIONS

ALL BUILDING OBSTRUCTIONS EXCEPT POLE LINE FACILITIES AND UNDERGROUND FACILITIES ARE TO BE MOVED TO CLEAR RIGHT OF WAY BY OTHERS UNLESS OTHERWISE NOTED ON PLANS. ALL UTILITIES FACILITIES WHICH ARE IN CONFLICT WITH CONSTRUCTION, NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION BY THE RESPECTIVE OWNERS, UNLESS LATER ADDED TO THE CONTRACT AS A SUPPLEMENTAL ITEM.

UTILITIES

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES, ON THE PROJECT, IN ORDER TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES PRIOR TO START OF WORK. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS, AND NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT EXCEPT AS NOTED BELOW. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY FACILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED OR NEWLY INSTALLED POSITION.

THE CONTRACTOR WILL NOT BE PAID FOR ANY DELAYS OR EXTRA EXPENSE CAUSED BY UTILITY FACILITIES, OBSTRUCTIONS, OR ANY OTHER ITEMS NOT BEING REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

THE FOLLOWING UTILITY OWNERS HAVE FACILITIES WHICH CONFLICT WITH CONSTRUCTION ON THIS PROJECT: SEE SHEET NUMBERS INDICATED FOR DETAILS.

GEORGIA POWER COMPANY
WALKER COUNTY TELEPHONE COMPANY
SOUTHERN BELL TELEPHONE COMPANY
WALKER COUNTY CABLE T.V.
CITY OF LAFAYETTE - WATER, SEWER, POWER & GAS

THE CONTRACTOR WILL BE REQUIRED TO PROVIDE EXCAVATION TO THE LIMITS SHOWN ON SHEET NO. 80 FOR WATER LINE RELOCATION AS DIRECTED BY THE ENGINEER.

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