

Appendix G

Order-of-Magnitude Cost Estimates

**OPINION OF PROBABLE COST
 CHAPIN HIGH SCHOOL RIGHT TURN LANE
 COLUMBIA AVENUE CORRIDOR STUDY
 CHAPIN, SC
 Jul-06**

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$10,000.00	1	\$10,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$5,000.00	1	\$5,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$5,000.00	1	\$5,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$1,000.00	1	\$1,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS		0	\$0.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	0	\$0.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	200	\$2,400.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	200	\$1,800.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 10,600 FEET)						
12	3069900	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	160	\$10,400.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	12	\$4,200.00
15	4012080	FULL DEP ASPH.PAV.PATCH 8"UNIF	TON		0	\$0.00
16	4013990	MILL EXIST ASPH.PVMT.-VARIABLE	SY	\$6.00	0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	40	\$3,600.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	40	\$3,600.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	100	\$1,000.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023015	TEMP.CLR.PAV.MARK.MONO. 4"X 4"	EA		0	\$0.00
22	6023055	TEMP.YEL.PAV.MARK BI-DIR 4"X4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKN.LINE-GAP EX-F.O.PNT. (TEMPORARY)	LF	\$0.30	150	\$45.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF	\$0.30	300	\$90.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF		0	\$0.00
27	6040016	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.O.PNT. (TEMPORARY)	LF	\$3.00	48	\$144.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF		0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	150	\$150.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	300	\$300.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL.	LF	\$10.00	48	\$480.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF		0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR- 4"X4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY		0	\$0.00
39	7065000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	16" RC PIPE CUL.-CLASS III	LF	\$36.00	0	\$0.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	0	\$0.00
43	7141118	36" RC PIPE CUL.-CLASS III	LF	\$65.00	0	\$0.00
44	7149589	CLEANING EXISTING PIPE	LF		0	\$0.00
45	7181069	CATCH BASIN-TYPE 1 SPECIAL (MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
46	7181005	CATCH BASIN -TYPE 1	EA	\$3,000.00	0	\$0.00
47	7181805	CATCH BASIN -TYPE 9	EA		0	\$0.00
48	7181905	CATCH BASIN -TYPE 18	EA		0	\$0.00
49	7181650	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7182020	DROP INLET(24" X 36")	EA		0	\$0.00
51	7182105	MANHOLE	EA		0	\$0.00
52	7182215	24" X 36" JUNCTION BOX	EA		0	\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$18.00	0	\$0.00
55	7204100	SIDEWALK (6" UNIFORM)	SY	\$45.00	0	\$0.00
56	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
57	7206000	CONCRETE MEDIAN	SY		0	\$0.00
58	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	100	\$1,500.00
59	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	60	\$1,260.00
60	8041010	RIP-RAP CLASS III	TON	\$100.00	0	\$0.00
61	8048210	GED TEXTILE FOR EROSION CONTROL UNDER RIPRAP CLASS 2 TYPE C	SY	\$20.00	0	\$0.00
62	8058125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF		0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$250.00	1	\$250.00
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	1	\$250.00
65	8105000	MOWING	MSY		0	\$0.00
66	8162006	SEDIMENT TUBE - 12"	LF		0	\$0.00
67	8163000	BILT FENCE	LF	\$2.00	300	\$600.00
68	8168211	CURB INLET FILTER (CATCH BASIN TYPE 1/T-1SPECIAL)	EA	\$100.00		\$0.00
69	8168212	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
70	8168214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8167008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF		0	\$0.00
TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS						
WATER AND SEWER IMPROVEMENTS						
RIGHT OF WAY ACQUISITION						
JOINT UTILITY DUCT BANK						
UNDERGROUND UTILITIES						
UTILITY SERVICE CONVERSIONS						
LANDSCAPING (SUGGESTED ALLOWANCE)						
STREET LIGHTING (@ 300' ON CENTER)						
BUS STOP SHELTERS						
REMOVE & REPLACE RR CROSSING ARMS & LIGHTS						
TRAFFIC SIGNALIZATION OF INTERSECTION						
SUBTOTAL						
3% CONTINGENCY						
TOTAL ANTICIPATED CONSTRUCTION COST						
ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)						
TOTAL ANTICIPATED PROJECT COST						

**OPINION OF PROBABLE COST
CHAPIN HIGH SCHOOL REAR ENTRY IMPROVEMENTS
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06**

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$20,000.00	1	\$20,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$15,000.00	1	\$15,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$10,000.00	1	\$10,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$2,500.00	1	\$2,500.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS		0	\$0.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	1,000	\$35,000.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	2,500	\$30,000.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	3,450	\$31,050.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
TIE ROAD (TOTAL LENGTH = 700 FEET)						
12	3069900	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	250	\$16,250.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	35	\$12,250.00
15	4012089	FULL DEP.ASPH.PAV.PATCH-8"UNIF	TON		0	\$0.00
16	4013990	MILL EXIST.ASPH.PVMT.-VARIABLE	SY	\$6.00	0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	190	\$17,100.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	190	\$17,100.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	100	\$1,000.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023016	TEMP.CLR.PAV.MARK.MONO. 4"X 4"	EA		0	\$0.00
22	6023055	TEMP.YEL.PAV.MARK.BI-DIR 4"X4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKN.LINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	700	\$210.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	1,400	\$420.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
27	6040016	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00	48	\$144.00
28	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL	LF	\$1.00	700	\$700.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$1.00	1,400	\$1,400.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL	LF	\$10.00	48	\$480.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR - 4"X4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR.-CLASS 3000(RDWY)	CY		0	\$0.00
39	7050000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	400	\$14,000.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	200	\$8,000.00
43	7141116	36" RC PIPE CUL.-CLASS III	LF	\$65.00	200	\$13,000.00
44	7149999	CLEANING EXISTING PIPE	LF		0	\$0.00
46	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
48	7191005	CATCH BASIN -TYPE 1	EA	\$3,000.00	3	\$9,000.00
47	7181605	CATCH BASIN -TYPE 9	EA		0	\$0.00
48	7191605	CATCH BASIN -TYPE 16	EA		0	\$0.00
49	7191650	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7192020	DROP INLET(24" X 36")	EA		0	\$0.00
51	7192105	MANHOLE	EA		0	\$0.00
52	7192215	24" X 36" JUNCTION BOX	EA		0	\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$18.00	700	\$11,200.00
56	7204100	SIDEWALK (4" UNIFORM)	SY	\$46.00	700	\$31,600.00
56	7205000	CONCRETE DRIVEWAY(8" UNIFORM)	SY		0	\$0.00
57	7206000	CONCRETE MEDIAN	SY		0	\$0.00
58	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	200	\$3,000.00
59	8021210	10' PERFORATED PIPE UNDERDRAIN	LF	\$25.00	200	\$5,000.00
60	8041010	RIP-RAP (CLASS A)	TON	\$100.00	10	\$1,000.00
61	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	20	\$400.00
62	8066125	CONCRETE BARRIER WALL TYPE 8 (SINGLE SIDE)	LF		0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$500.00	4	\$2,000.00
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	4	\$1,000.00
65	8109000	MOWING	MSY		0	\$0.00
66	8152006	SEDIMENT TUBE - 12"	LF		0	\$0.00
67	8153000	SILT FENCE	LF	\$2.00	700	\$1,400.00
68	8158211	CURB INLET FILTER (CATCH BASIN TYPE 1(T-1SPECIAL)	EA	\$100.00	2	\$200.00
69	8158212	CURB INLET FILTER (CATCH BASIN TYPE 16)	EA		0	\$0.00
70	8158214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$10,000.00	1	\$10,000.00
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$10,000.00	1	\$10,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	3	\$9,000.00
		BUS STOP SHELTERS	LS		0	\$0.00
		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$0.00	0	\$0.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$0.00	0	\$0.00
		SUBTOTAL				\$340,304.00
		30% CONTINGENCY				\$102,091.20
		TOTAL ANTICIPATED CONSTRUCTION COST				\$442,395.20
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$80,000.00	1	\$80,000.00
		TOTAL ANTICIPATED PROJECT COST:				\$522,395.20

OPINION OF PROBABLE COST
 SOUTHERN CONNECTOR INITIAL 2-LANE SECTION
 COLUMBIA AVENUE CORRIDOR STUDY
 CHAPIN, SC
 Jul-06

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$50,000.00	1	\$50,000.00
2	1071050	TRAFFIC CONTROL (includes signing for detours)	LS	\$50,000.00	1	\$50,000.00
3	1060801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$3,000.00	1	\$3,000.00
4	1062001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$3,000.00	1	\$3,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$60,000.00	1	\$60,000.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	0	\$0.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$9.00	6,000	\$54,000.00
10	2033000	BORROW EXCAVATION	CY	\$12.00	12,000	\$144,000.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 3660 FEET; NO MEDIAN)						
12	3069000	MAINTENANCE STONE	TON	\$35.00	600	\$17,500.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$85.00	3,850	\$250,250.00
14	4011004	LIQUID ASPHALT BINDER PG84-22	TON	\$350.00	270	\$94,500.00
15	4012080	FULL DEP. ASPH. PAV. PATCH 8" UNIF	TON		0	\$0.00
16	4013990	MILL EXIST ASPH. PAVMT. - VARIABLE	SY		0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	980	\$88,200.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	985	\$88,650.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	215	\$2,150.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH			\$0.00
21	6023015	TEMP. CLR. PAV. MARK. MONO. 4" X 4"	EA			\$0.00
22	6023055	TEMP. YEL. PAV. MARK BI-DIR 4" X 4"	EA			\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF			\$0.00
24	6040005	4" WH. BRKLNLINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30		\$0.00
25	6040010	4" WH. SLD. LINE-PVT. EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30		\$0.00
26	6040012	6" WH. SLD. LINE-PVT. EDGE-F.D.PNT. (TEMPORARY)	LF			\$0.00
27	6040015	8" WHITE SOLID LINES/CROSSWALK&CHANNELIZATION/FAST DRY PAINT	LF			\$0.00
28	6040025	24" WH. SLD. LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00		\$0.00
29	6040110	4" YEL. SLD. LINE-PVT. EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30		\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 80 MIL.	LF	\$1.00	1,600	\$1,600.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 80 MIL.	LF	\$1.00	9,600	\$9,600.00
32	6041012	8" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 80 MIL.	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL.	LF	\$10.00	120	\$1,200.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 80 MIL.	LF	\$0.85	1,800	\$1,530.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR. 4" X 4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY		0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$36.00	500	\$17,500.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	500	\$20,000.00
43	7141116	36" RC PIPE CUL.-CLASS III	LF	\$55.00	200	\$13,000.00
44	7148999	CLEANING EXISTING PIPE	LF			\$0.00
45	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC. MEDIAN BARRIER)	EA			\$0.00
46	7191005	CATCH BASIN-TYPE 1	EA	\$3,000.00	6	\$18,000.00
47	7191605	CATCH BASIN-TYPE 9	EA			\$0.00
48	7191605	CATCH BASIN-TYPE 18	EA			\$0.00
49	7191650	CATCH BASIN-TYPE 18	EA			\$0.00
50	7192020	DROP INLET(24" X 36")	EA			\$0.00
51	7192105	MANHOLE	EA			\$0.00
52	7192215	24" X 36" JUNCTION BOX	EA			\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$16.00		\$0.00
56	7204100	SIDEWALK (4" UNIFORM) (5' SIDEWALK EACH SIDE OF ROAD)	SY	\$46.00		\$0.00
56	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
57	7208000	CONCRETE MEDIAN	SY		0	\$0.00
58	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	1,800	\$27,000.00
59	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	1,800	\$45,000.00
60	8041010	RIP-RAP (CLASS A)	TON	\$100.00	50	\$5,000.00
61	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	30	\$600.00
62	8068126	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF		0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$500.00	21	\$10,500.00
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	42	\$10,500.00
65	8108900	MOWING	MSY	\$38.00	42	\$1,596.00
69	8152008	SEDIMENT TUBE - 12"	LF	\$18.00	500	\$9,000.00
67	8153000	SILT FENCE	LF	\$2.00	7,200	\$14,400.00
68	8156211	CURB INLET FILTER (CATCH BASIN TYPE 1/1-T-SPECIAL)	EA	\$100.00	6	\$600.00
69	8156212	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
70	8156214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 6"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$500,000.00	1	\$500,000.00
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$5,000	0	\$5,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00		\$3,000.00
		BUS STOP SHELTERS	LS		0	\$0.00
		CONSPAN BRIDGE	LS	\$100,000.00		\$100,000.00
		SUBTOTAL				\$1,619,354.00
		35% CONTINGENCY				\$562,267.90
		TOTAL ANTICIPATED CONSTRUCTION COST				\$2,181,621.90
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$314,984.03	1	\$314,984.03
		TOTAL ANTICIPATED PROJECT COST				\$2,496,605.93

**OPINION OF PROBABLE COST
 BENNINGTON COURT EXTENSION (2 LANE RURAL DITCH SECTION)
 COLUMBIA AVENUE CORRIDOR STUDY
 CHAPIN, SC
 Jul-06**

ITEM NO.	PAY ITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$30,000.00	1	\$30,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$45,000.00	1	\$45,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$3,000.00	1	\$3,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$3,000.00	1	\$3,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$20,000.00	1	\$20,000.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
8	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	200	\$7,000.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	940	\$11,280.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	1,000	\$9,000.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 1780 FEET; NO MEDIAN)						
12	3069000	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	1,800	\$117,000.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$360.00	120	\$42,000.00
15	4012090	FULL DEP ASPH.PAV.PATCH-8"UNIF	TON		0	\$0.00
16	4013990	MILL EXIST ASPH.PVMT -VARIABLE	SY		0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	500	\$45,000.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	500	\$45,000.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	218	\$2,180.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023016	TEMP CLR.PAV.MARK MONO. 4" X 4"	EA		0	\$0.00
22	6023055	TEMP YEL.PAV.MARK BI-DIR. 4" X 4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKLN.LINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
27	6040016	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00	0	\$0.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL	LF	\$1.00	0	\$0.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$1.00	1,880	\$1,880.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
33	6041015	6" WHITE SOLID LINES THERMOPLASTIC - 125 MIL	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL	LF	\$10.00	24	\$240.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$0.85	1,880	\$1,598.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4" X 4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWWY)	CY		0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141133	18" RC PIPE CUL -CLASS III	LF	\$35.00	200	\$7,000.00
42	7141134	24" RC PIPE CUL -CLASS III	LF	\$40.00	120	\$4,800.00
43	7141138	48" RC PIPE CUL -CLASS III	LF	\$65.00	120	\$7,800.00
44	7148999	CLEANING EXISTING PIPE	LF		0	\$0.00
45	7181080	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
46	7181005	CATCH BASIN -TYPE 1	EA	\$3,000.00	4	\$12,000.00
47	7181605	CATCH BASIN -TYPE 9	EA		0	\$0.00
48	7181605	CATCH BASIN -TYPE 18	EA		0	\$0.00
49	7181850	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7182020	DROP INLET(24" X 36")	EA		0	\$0.00
51	7182105	MANHOLE	EA		0	\$0.00
52	7182215	24" X 36" JUNCTION BOX	EA		0	\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-8" FACE)	LF	\$18.00	0	\$0.00
55	7204100	SIDEWALK 4" UNIFORM 15' SIDEWALK EACH SIDE OF ROAD)	SY	\$45.00	0	\$0.00
56	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
57	7206000	CONCRETE MEDIAN	SY		0	\$0.00
58	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	1,200	\$18,000.00
59	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	1,200	\$30,000.00
60	8041010	RIP-RAP (CLASS A)	TON	\$100.00	60	\$6,000.00
61	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	30	\$600.00
62	8058125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF		0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$500.00	3	\$1,514.44
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	4	\$1,018.33
65	8109900	MOWING	MSY	\$38.00	4	\$162.00
66	8152006	SEDIMENT TUBE - 12"	LF		0	\$0.00
67	8153000	SILT FENCE	LF	\$2.00	1,200	\$2,400.00
68	8158211	CURB INLET FILTER (CATCH BASIN TYPE 1/T-1SPECIAL)	EA	\$100.00	4	\$400.00
69	8158212	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
70	8158214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$71,212.12	1	\$71,212.12
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$5,000.00	1	\$5,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00		\$0.00
		BUS STOP SHELTERS	LS		0	\$0.00
		CONSPAN BRIDGE	LS	\$100,000.00	0	\$0.00
		SUBTOTAL				\$551,054.90
		3% CONTINGENCY				\$16,531.64
		TOTAL ANTICIPATED CONSTRUCTION COST				\$567,586.54
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$107,455.71	1	\$107,455.71
		TOTAL ANTICIPATED PROJECT COST				\$675,042.25

OPINION OF PROBABLE COST
COLUMBIA AVENUE- 3 LANE PORTION
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$120,000.00	1	\$120,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$180,000.00	1	\$180,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$20,000.00	1	\$20,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$8,000.00	1	\$8,000.00
5	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS		0	\$0.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$85.00	5,654	\$197,890.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	9,320	\$111,840.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	27,960	\$251,640.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 10,600 FEET)						
12	3069900	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$55.00	3,637	\$229,905.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$360.00	100	\$35,000.00
15	4012080	FULL DEP ASPH.PAV.PATCH-8"UNIF	TON		0	\$0.00
16	4013990	MILL EXIST ASPH.PVMT.-VARIABLE	SY	\$5.00	3,400	\$20,400.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR - TYPE 1	TON	\$90.00	956	\$86,040.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	1,330	\$119,700.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	300	\$3,000.00
20	6020103	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023015	TEMP CLR.PAV.MARK.MONO. 4"X 4"	EA		0	\$0.00
22	6023055	TEMP.YEL.PAV.MARK BI-DIR 4"X4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKN.LINE-GAP EX-F.O.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF	\$0.30	13,800	\$4,080.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF		0	\$0.00
27	6040015	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00	92	\$276.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.O.PNT. (TEMPORARY)	LF		0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL	LF	\$1.00	0	\$0.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$1.00	13,600	\$13,600.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL	LF	\$10.00	92	\$920.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR. 4"X4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWAY)	CY		0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	213	\$7,455.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	1,647	\$65,880.00
43	7141118	36" RC PIPE CUL.-CLASS III	LF	\$65.00	0	\$0.00
44	7149999	CLEANING EXISTING PIPE	LF		0	\$0.00
45	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
46	7191005	CATCH BASIN -TYPE 1	EA	\$3,000.00	15	\$45,000.00
47	7191605	CATCH BASIN -TYPE 9	EA		0	\$0.00
48	7191605	CATCH BASIN -TYPE 16	EA		0	\$0.00
49	7191650	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7192020	DROP INLET(24" X 36")	EA		0	\$0.00
51	7192105	MANHOLE	EA		0	\$0.00
52	7192215	24" X 36" JUNCTION BOX	EA		0	\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$16.00	13,600	\$217,600.00
55	7204100	SIDEWALK (4" UNIFORM)	SY	\$45.00	3,788	\$169,626.00
56	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
57	7206000	CONCRETE MEDIAN	SY		0	\$0.00
58	8011056	AGGREGATE UNDERDRAIN	LF	\$15.00	6,800	\$102,000.00
59	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	6,800	\$170,000.00
60	8041010	RIP-RAP (CLASS A)	TON	\$100.00	30	\$3,000.00
61	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	45	\$900.00
62	8098125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF		0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$500.00	12	\$6,000.00
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	19	\$4,750.00
65	8105900	MOWING	MSY		0	\$0.00
66	8152008	SEDIMENT TUBE - 12'	LF		0	\$0.00
67	8163000	SILT FENCE	LF	\$2.00	6,800	\$13,600.00
68	8166211	CURB INLET FILTER (CATCH BASIN TYPE 1T-1SPECIAL)	EA	\$100.00	15	\$1,500.00
69	8166212	CURB INLET FILTER (CATCH BASIN TYPE 16)	EA		0	\$0.00
70	8166214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8167000	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 6"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$270,000.00	1	\$270,000.00
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$150,000.00	1	\$150,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	23	\$69,000.00
		BUS STOP SHELTERS	LS		0	\$0.00
		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$95,000.00	1	\$95,000.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$100,000.00	1	\$100,000.00
		SUBTOTAL				\$2,893,691.00
		30% CONTINGENCY				\$868,077.30
		TOTAL ANTICIPATED CONSTRUCTION COST				\$3,761,768.30
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$664,248.30	1	\$664,248.30
TOTAL ANTICIPATED PROJECT COST						\$4,426,016.60

**OPINION OF PROBABLE COST
CHAPIN HIGH SCHOOL OPTIONAL ACCESS
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06**

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$25,000.00	1	\$25,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$35,000.00	1	\$35,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$15,000.00	1	\$15,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$3,000.00	1	\$3,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$26,400.00	0	\$26,400.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	1,000	\$35,000.00
10	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	7,490	\$89,880.00
11	2033000	BORROW EXCAVATION	CY	\$9.00	10,000	\$90,000.00
12	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 10,600 FEET)						
13	3089000	MAINTENANCE STONE	TON		0	\$0.00
14	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$85.00	1,264	\$88,360.00
15	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	112	\$39,200.00
16	4012080	FULL DEP ASPH.PAV.PATCH-8'UNIF	TON		0	\$0.00
17	4013990	MILL EXIST ASPH.PVMT.-VARIABLE	SY	\$6.00	1,000	\$6,000.00
18	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	562	\$50,580.00
19	4031000	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	568	\$50,940.00
20	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	300	\$3,000.00
21	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
22	6023015	TEMP CLR.PAV.MARK MONO. 4" X 4"	EA		0	\$0.00
23	6028055	TEMP YEL.PAV.MARK BI-DIR 4" X 4"	EA		0	\$0.00
24	6029011	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
25	6040005	4" WH.BRKN.LINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	3,000	\$900.00
26	6040010	4" WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	3,000	\$900.00
27	6040012	6" WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
28	6040016	6" WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)/FAST DRY PAINT	LF		0	\$0.00
29	6040025	24" WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$9.00	100	\$900.00
30	6040110	4" YEL.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
31	8041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL	LF	\$1.00	2,100	\$2,100.00
32	8041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$1.00	4,400	\$4,400.00
33	8041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
34	8041015	6" WHITE SOLID LINES THERMOPLASTIC - 126 MIL	LF		0	\$0.00
35	8041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 126 MIL	LF	\$10.00	80	\$800.00
36	8041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF		0	\$0.00
37	8090005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4" X 4"	EA		0	\$0.00
38	8091100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
39	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY		0	\$0.00
40	7059000	IRON PIPE HANDRAILING	LF		0	\$0.00
41	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
42	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	1,400	\$49,000.00
43	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	200	\$8,000.00
44	7141118	36" RC PIPE CUL.-CLASS III	LF	\$65.00	200	\$13,000.00
45	7149999	CLEANING EXISTING PIPE	LF		0	\$0.00
46	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
47	7191065	CATCH BASIN -TYPE 1	EA	\$3,000.00	6	\$18,000.00
48	7191205	CATCH BASIN -TYPE 9	EA		0	\$0.00
49	7191605	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7191630	CATCH BASIN -TYPE 18	EA		0	\$0.00
51	7192020	DROP INLET(24" X 36")	EA		0	\$0.00
52	7192105	MANHOLE	EA	\$1,200.00	2	\$2,400.00
53	7192215	24" X 36" JUNCTION BOX	EA		0	\$0.00
54	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
55	7203110	CONCRETE CURB & GLITTER (1'-6" FACE)	LF	\$18.00	2,100	\$33,600.00
56	7204100	SIDEWALK (4" UNIFORM)	SY	\$45.00	1,200	\$54,000.00
57	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
58	7206000	CONCRETE MEDIAN	SY		0	\$0.00
59	8011055	AGGREGATE UNDERDRAIN	LF	\$16.00	2,560	\$44,700.00
60	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	2,560	\$74,600.00
61	8041010	RIE-RAP (CLASS A)	TON	\$100.00	50	\$5,000.00
62	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	100	\$2,000.00
63	8058125	CONCRETE BARRIER WALL TYPE 0 (SINGLE SIDE)	LF		0	\$0.00
64	8100001	PERMANENT VEGETATION	MSY	\$500.00	15	\$7,500.00
65	8103100	TEMPORARY VEGETATION	MSY	\$250.00	15	\$3,750.00
66	8108900	MOWING	MSY		0	\$0.00
67	8152006	SEDIMENT TUBE - 12"	LF		0	\$0.00
68	8153000	SILT FENCE	LF	\$2.00	2,100	\$4,200.00
69	8162211	CURB INLET FILTER (CATCH BASIN TYPE 1/T-1SPECIAL)	EA	\$100.00	8	\$800.00
70	8162212	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
71	8162214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
72	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF		0	\$0.00
73		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
74		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
75		RIGHT OF WAY ACQUISITION	LS	\$56,000.00	1	\$56,000.00
76		JOINT UTILITY DUCT BANK	LS		0	\$0.00
77		UNDERGROUND UTILITIES	LS		0	\$0.00
78		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
79		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$15,000.00	0	\$15,000.00
80		STREET LIGHTING (@ 300' ON CENTER)	LS	\$0.00	0	\$0.00
81		BUS STOP SHELTERS	LS		0	\$0.00
82		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$0.00	0	\$0.00
83		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$0.00	0	\$0.00
84		SUBTOTAL				\$949,810.00
85		30% CONTINGENCY				\$284,963.00
86		TOTAL ANTICIPATED CONSTRUCTION COST				\$1,234,773.00
87		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (16%)	LS	\$190,000.00	1	\$190,000.00
TOTAL ANTICIPATED PROJECT COST						\$1,424,773.00

OPINION OF PROBABLE COST
 SOUTHERN CONNECTOR
 COLUMBIA AVENUE CORRIDOR STUDY
 CHAPIN, SC
 Jul-06

ITEM NO.	PAY ITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$50,000.00	1	\$50,000.00
2	1071000	TRAFFIC CONTROL (Includes signing for detours)	LS	\$30,000.00	1	\$30,000.00
3	1060801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$50,000.00	1	\$50,000.00
4	1062001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$25,000.00	1	\$25,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$122,245.10	1	\$122,245.10
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	16,533	\$578,668.67
10	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	45,926	\$551,111.11
10	2033000	BORROW EXCAVATION	CY	\$9.00	137,778	\$1,240,000.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 12,400 FEET)						
12	3069000	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	27,000	\$1,755,000.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	550	\$192,500.00
15	4012080	FULL DEP.ASPH.PAV.PATCH-8"UNIF	TON		0	\$0.00
16	4013890	MILL EXIST ASPH.PVMT-VARIABLE	SY		0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	7,275	\$654,720.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	7,275	\$654,720.00
CONNECTING ROADS (TOTAL LENGTH = 800 FEET)						
12A	3069000	MAINTENANCE STONE	TON		0	\$0.00
13A	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	850	\$55,250.00
14A	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	12	\$4,200.00
15A	4012080	FULL DEP.ASPH.PAV.PATCH-8"UNIF	TON		0	\$0.00
16A	4013890	MILL EXIST ASPH.PVMT-VARIABLE	SY		0	\$0.00
17A	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	150	\$13,500.00
18A	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	150	\$13,500.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	300	\$3,000.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023015	TEMP.CLR.PAV.MARK.MONO. 4"X 4"	EA		0	\$0.00
22	6023055	TEMP.YEL.PAV.MARK.BI-DR 4"X4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKN.LINE-GAP EX.F.D.PNT. (TEMPORARY)	LF	\$0.30	2,480	\$744.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF	\$0.30	49,600	\$14,880.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF		0	\$0.00
27	6040015	8"WHITE SOLID LINE(S/CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/IDIA-F.D.PNT (TEMPORARY)	LF	\$3.00	324	\$972.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF		0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	2,480	\$2,480.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	49,600	\$49,600.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL.	LF	\$10.00	324	\$3,240.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF		0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS - MONO-DR.- 4"X4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY		0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	1,600	\$56,000.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	6,100	\$244,000.00
43	7141118	36" RC PIPE CUL.-CLASS III	LF	\$85.00	2,000	\$170,000.00
44	7142000	CLEARING EXISTING PIPE	LF		0	\$0.00
45	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA		0	\$0.00
46	7191005	CATCH BASIN-TYPE 1	EA	\$3,000.00	45	\$135,000.00
47	7191005	CATCH BASIN-TYPE 8	EA		0	\$0.00
48	7191005	CATCH BASIN-TYPE 18	EA		0	\$0.00
49	7191850	CATCH BASIN-TYPE 18	EA		0	\$0.00
48	7192020	DROP INLET(24" X 36")	EA		0	\$0.00
49	7192106	MANHOLE	EA		0	\$0.00
60	7192215	24" X 36" JUNCTION BOX	EA		0	\$0.00
51	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
52	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$16.00	49,800	\$796,800.00
53	7204100	SIDEWALK (4" UNIFORM)	SY	\$45.00	20,567	\$930,000.00
64	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
55	7206000	CONCRETE MEDIAN	SY		0	\$0.00
66	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	24,800	\$372,000.00
67	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$26.00	24,800	\$620,000.00
68	8041010	RIP-RAP (CLASS A)	TON	\$100.00	120	\$12,000.00
69	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	178	\$3,565.56
60	8058125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF		0	\$0.00
81	8100001	PERMANENT VEGETATION	MSY	\$500.00	28	\$13,888.80
82	8103100	TEMPORARY VEGETATION	MSY	\$250.00	47	\$11,750.00
83	8109000	MOWING	MSY		0	\$0.00
64	8152006	SEDIMENT TURE - 12"	LF		0	\$0.00
85	8153000	SILT FENCE	LF	\$2.00	24,800	\$49,600.00
66	8156211	CURB INLET FILTER (CATCH BASIN TYPE 1(T-1SPECIAL)	EA	\$100.00	45	\$4,500.00
67	8156212	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
68	8156214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA		0	\$0.00
69	8167008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 6"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ADJUSTION	LS	\$1,170,000.00	1	\$1,170,000.00
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$500,000.00	1	\$500,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	88	\$264,000.00
		BUS STOP SHELTER(S)	LS		0	\$0.00
		CONSPAN BRIDGE	LS	\$200,000.00	1	\$200,000.00
		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$100,000.00	1	\$100,000.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$100,000.00	4	\$400,000.00
		SUBTOTAL				\$12,034,384.51
		30% CONTINGENCY				\$3,610,315.36
		TOTAL ANTICIPATED CONSTRUCTION COST				\$15,644,699.87
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (16%)	LS	\$2,345,704.98	1	\$2,345,704.98
TOTAL ANTICIPATED PROJECT COST						\$17,990,404.85

**OPINION OF PROBABLE COST
SOUTHERN CONNECTOR PHASE II
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06**

ITEM NO.	PAY ITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$50,000.00	1	\$50,000.00
2	1071000	TRAFFIC CONTROL (includes signing for detours)	LS	\$30,000.00	1	\$30,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$50,000.00	1	\$50,000.00
4	1052001	UTILITY STAKING	LS	0	0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$25,000.00	1	\$25,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$125,000.00	1	\$125,000.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF	0	0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY	0	0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	600	\$17,500.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	13,780	\$165,360.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	41,336	\$372,016.00
11	2103000	FLOWABLE FILL	CY	0	0	\$0.00
MAIN ROAD (TOTAL LENGTH = 12,400 FEET)						
12	3069900	MAINTENANCE STONE	TON	0	0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	8,100	\$528,500.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	170	\$59,500.00
15	4012080	FULL DEP ASPH.PAV.PATCH-8"UNIF	TON	0	0	\$0.00
16	4013990	MILL EXIST ASPH.PVMT-VARIABLE	SY	0	0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	2,182	\$196,380.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	2,182	\$196,380.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	300	\$3,000.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH	0	0	\$0.00
21	6023015	TEMP CLR.PAV.MARK.MONO. 4"X 4"	EA	0	0	\$0.00
22	6023055	TEMP YEL.PAV.MARK BI-DIR 4"X4"	EA	0	0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF	0	0	\$0.00
24	6040005	4"WH.BRKN.LINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	2,480	\$744.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	18,000	\$4,800.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	0	0	\$0.00
27	6040015	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF	0	0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00	100	\$300.00
29	6041101	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	0	0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	2,480	\$2,480.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	7,600	\$7,600.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	0	0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF	0	0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL.	LF	\$10.00	100	\$1,000.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 80 MIL.	LF	0	0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR- 4"X4"	EA	0	0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA	0	0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY	0	0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF	0	0	\$0.00
40	7162000	BRICK MASONRY (REINFORCED)	CY	0	0	\$0.00
41	7141113	16" RC PIPE CUL.-CLASS III	LF	\$35.00	480	\$16,800.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	1,650	\$66,000.00
43	7141115	36" RC PIPE CUL.-CLASS III	LF	\$65.00	600	\$39,000.00
44	7149999	CLEANING EXISTING PIPE	LF	0	0	\$0.00
45	7181060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA	0	0	\$0.00
44	7181005	CATCH BASIN -TYPE 1	EA	\$3,000.00	15	\$45,000.00
45	7181605	CATCH BASIN -TYPE 9	EA	0	0	\$0.00
46	7181605	CATCH BASIN -TYPE 16	EA	0	0	\$0.00
47	7181850	CATCH BASIN -TYPE 16	EA	0	0	\$0.00
48	7182020	DROP INLET(24" X 36")	EA	0	0	\$0.00
49	7192105	MANHOLE	EA	0	0	\$0.00
50	7192215	24" X 36" JUNCTION BOX	EA	0	0	\$0.00
51	7201100	CONCRETE TRANSITION CURB	LF	0	0	\$0.00
52	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$16.00	7,400	\$118,400.00
53	7204100	SIDEWALK (4" UNIFORM)	SY	\$45.00	4,055	\$182,475.00
54	7206000	CONCRETE DRIVEWAY(6" UNIFORM)	SY	0	0	\$0.00
55	7206000	CONCRETE MEDIAN	SY	0	0	\$0.00
56	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	75	\$1,125.00
57	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	7,440	\$186,000.00
58	8041010	RIP-RAP (CLASS A)	TON	\$100.00	80	\$8,000.00
59	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	100	\$2,000.00
60	8058125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF	0	0	\$0.00
61	8100001	PERMANENT VEGETATION	MSY	\$500.00	8	\$4,000.00
62	8103100	TEMPORARY VEGETATION	MSY	\$250.00	18	\$4,500.00
63	8109900	MOWING	MSY	0	0	\$0.00
64	8152006	SEDIMENT TUBE - 12"	LF	0	0	\$0.00
65	8153000	SILT FENCE	LF	\$2.00	4,850	\$9,700.00
66	8156211	CURB INLET FILTER (CATCH BASIN TYPE 1T-1SPECIAL)	EA	\$100.00	15	\$1,500.00
67	8156212	CURB INLET FILTER (CATCH BASIN TYPE 16)	EA	0	0	\$0.00
68	8156214	CURB INLET FILTER (CATCH BASIN TYPE 18)	EA	0	0	\$0.00
69	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF	0	0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS	0	0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS	0	0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$350,000.00	1	\$350,000.00
		JOINT UTILITY DUCT BANK	LS	0	0	\$0.00
		UNDERGROUND UTILITIES	LS	0	0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS	0	0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$150,000.00	1	\$150,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	12	\$36,000.00
		BUS STOP SHELTERS	LS	0	0	\$0.00
		CONSPAN BRIDGE	LS	\$200,000.00	0	\$0.00
		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$100,000.00	0	\$0.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$100,000.00	2	\$200,000.00
		SUBTOTAL				\$3,253,489.00
		30% CONTINGENCY				\$976,037.70
		TOTAL ANTICIPATED CONSTRUCTION COST				\$4,229,496.70
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$634,424.51	1	\$634,424.51
		TOTAL ANTICIPATED PROJECT COST				\$4,863,921.21

**OPINION OF PROBABLE COST
COLUMBIA AVENUE- 5 LANE PORTION
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06**

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$250,000.00	1	\$250,000.00
2	1071000	TRAFFIC CONTROL (Includes signing for detours)	LS	\$400,000.00	1	\$400,000.00
3	1050901	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$30,000.00	1	\$30,000.00
4	1052001	UTILITY STAKING	LS	0	0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$14,000.00	1	\$14,000.00
6	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$16,000.00	1	\$16,000.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF	0	0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY	0	0	\$0.00
9	2026000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	12,013	\$420,455.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	19,806	\$237,672.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	59,418	\$534,762.00
11	2103000	FLOWABLE FILL	CY	0	0	\$0.00
MAIN ROAD (TOTAL LENGTH = 10,600 FEET)						
12	3069900	MAINTENANCE STONE	TON	0	0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$65.00	14,436	\$938,340.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	370	\$129,500.00
15	4012080	FULL DEP ASPH.PAV.PATCH-8"UNIF	TON	0	0	\$0.00
16	4013990	MILL EXIST ASPH.PVMT - VARIABLE	SY	\$6.00	9,333	\$55,998.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	3,901	\$351,090.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	4,927	\$443,430.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	300	\$3,000.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH	0	0	\$0.00
21	6023015	TEMP. CLR.PAV.MARK.MOND. 4"X 4"	EA	0	0	\$0.00
22	6023055	TEMP. YEL.PAV.MARK BI-DIR 4"X4"	EA	0	0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF	0	0	\$0.00
24	6040005	4"WH.BRKN.LINE.GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	2,120	\$636.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF	\$0.30	28,800	\$8,640.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF	0	0	\$0.00
27	6040015	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF	0	0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT (TEMPORARY)	LF	\$3.00	96	\$288.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT (TEMPORARY)	LF	0	0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL	LF	\$1.00	2,120	\$2,120.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	\$1.00	28,800	\$28,800.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	0	0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL	LF	0	0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL	LF	\$10.00	96	\$960.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL	LF	0	0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR.- 4"X4"	EA	0	0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA	0	0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY	0	0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF	0	0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY	0	0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	687	\$24,045.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$10.00	4,283	\$42,830.00
43	7141116	36" RC PIPE CUL.-CLASS III	LF	\$65.00	600	\$39,300.00
44	7149999	CLEANING EXISTING PIPE	LF	0	0	\$0.00
46	7191060	CATCH BASIN-TYPE 1 SPECIAL(MODIFIED FOR CONC.MEDIAN BARRIER)	EA	0	0	\$0.00
46	7191005	CATCH BASIN -TYPE 1	EA	\$3,000.00	18	\$54,000.00
47	7191805	CATCH BASIN -TYPE B	EA	0	0	\$0.00
48	7191805	CATCH BASIN -TYPE 1B	EA	0	0	\$0.00
49	7191650	CATCH BASIN -TYPE 1B	EA	0	0	\$0.00
50	7192020	DROP INLET(24" X 36")	EA	0	0	\$0.00
51	7192105	MANHOLE	EA	0	0	\$0.00
52	7192215	24" X 36" JUNCTION BOX	EA	0	0	\$0.00
53	7201100	CONCRETE TRANSITION CURB	LF	0	0	\$0.00
54	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$18.00	28,800	\$460,800.00
55	7204100	SIDEWALK (4" UNIFORM)	SY	\$45.00	8,009	\$360,405.00
56	7205000	CONCRETE DRIVEWAY(8" UNIFORM)	SY	0	0	\$0.00
57	7206000	CONCRETE MEDIAN	SY	0	0	\$0.00
58	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	14,400	\$216,000.00
59	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	14,400	\$360,000.00
60	8041010	RIP-RAP (CLASS A)	TON	\$100.00	30	\$3,000.00
61	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	45	\$900.00
62	8058125	CONCRETE BARRIER WALL TYPE 6 (SINGLE SIDE)	LF	0	0	\$0.00
63	8100001	PERMANENT VEGETATION	MSY	\$500.00	5	\$2,500.00
64	8103100	TEMPORARY VEGETATION	MSY	\$250.00	21	\$5,250.00
65	8109900	MOWING	MSY	0	0	\$0.00
66	8152006	SEDIMENT TUBE - 12"	LF	0	0	\$0.00
67	8153000	SILT FENCE	LF	\$2.00	14,400	\$28,800.00
68	8156211	CURB INLET FILTER (CATCH BASIN TYPE 1/T-1SPECIAL)	EA	\$100.00	19	\$1,900.00
69	8156212	CURB INLET FILTER (CATCH BASIN TYPE 1B)	EA	0	0	\$0.00
70	8156214	CURB INLET FILTER (CATCH BASIN TYPE 1B)	EA	0	0	\$0.00
71	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF	0	0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS	0	0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS	0	0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$560,000.00	1	\$560,000.00
		JOINT UTILITY DUCT BANK	LS	0	0	\$0.00
		UNDERGROUND UTILITIES	LS	0	0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS	0	0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$340,000.00	1	\$340,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	49	\$147,000.00
		BUS STOP SHELTERS	LS	0	0	\$0.00
		REMOVE & REPLACE RR CROSSING ARMS & LIGHTS	LS	\$85,000.00	0	\$0.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$100,000.00	1	\$100,000.00
		SUBTOTAL				\$8,742,411.00
		30% CONTINGENCY				\$2,622,723.30
		TOTAL ANTICIPATED CONSTRUCTION COST				\$11,365,134.30
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$1,314,770.15	1	\$1,314,770.15
		TOTAL ANTICIPATED PROJECT COST				\$12,679,904.45

**OPINION OF PROBABLE COST
COLUMBIA AVENUE EXTENSION AND RAILROAD GRADE SEPARATION
COLUMBIA AVENUE CORRIDOR STUDY
CHAPIN, SC
Jul-06**

ITEM NO.	PAYITEM	DESCRIPTION	UNIT	COST	QUANTITY	SUBTOTAL
1	1031000	MOBILIZATION	LS	\$180,000.00	1	\$180,000.00
2	1071000	TRAFFIC CONTROL (Includes signing for detours)	LS	\$270,000.00	1	\$270,000.00
3	1050801	CONSTRUCTION STAKES, LINES AND GRADES	LS	\$10,000.00	1	\$10,000.00
4	1052001	UTILITY STAKING	LS		0	\$0.00
5	1090200	AS-BUILT CONSTRUCTION PLANS	LS	\$3,000.00	1	\$3,000.00
8	2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	\$5,000.00	1	\$5,000.00
7	2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF		0	\$0.00
8	2023000	REMOVAL & DISPOSAL OF EXISTING PAVEMENT	SY		0	\$0.00
9	2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT	SY	\$35.00	1,400	\$49,000.00
9	2031000	UNCLASSIFIED EXCAVATION	CY	\$12.00	4,800	\$57,600.00
10	2033000	BORROW EXCAVATION	CY	\$9.00	14,400	\$129,600.00
11	2103000	FLOWABLE FILL	CY		0	\$0.00
MAIN ROAD (TOTAL LENGTH = 1,850 FEET PLUS 150' BRIDGE)						
12	3069900	MAINTENANCE STONE	TON		0	\$0.00
13	3102000	ASPHALT AGGREGATE BASE COURSE (T-1)	TON	\$85.00	2,678	\$174,070.00
14	4011004	LIQUID ASPHALT BINDER PG64-22	TON	\$350.00	55	\$19,250.00
15	4012080	FULL DEP ASPH.PAV.PATCH-#1UNIF	TON		0	\$0.00
16	4013980	MILL EXIST ASPH.PVMT-VARIABLE	SY		0	\$0.00
17	4022000	HOT MIX ASPH. CONC. BINDER CR. - TYPE 1	TON	\$90.00	724	\$65,120.00
18	4031100	HOT MIX ASPH. CONC. SURF. CR. TYPE 1	TON	\$90.00	724	\$65,120.00
19	6020005	PERMANENT CONSTRUCTION SIGNS	SF	\$10.00	162	\$1,620.00
20	6020105	CONSTRUCTION ZONE ELECTRIC CHANGEABLE MESSAGE SIGN	EACH		0	\$0.00
21	6023015	TEMP CLR.PAV.MARK.MONO. 4"X 4"	EA		0	\$0.00
22	6023065	TEMP.YEL.PAV.MARK BI-DIR 4"X4"	EA		0	\$0.00
23	6025001	TEMPORARY CONCRETE BARRIER	LF		0	\$0.00
24	6040005	4"WH.BRKN LINE-GAP EX-F.D.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
25	6040010	4"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	4,000	\$1,200.00
26	6040012	6"WH.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF		0	\$0.00
27	6040015	8"WHITE SOLID LINES(CROSSWALK&CHANNELIZATION)FAST DRY PAINT	LF		0	\$0.00
28	6040025	24"WH.SLD.LINE-STOP/DIA-F.D.PNT. (TEMPORARY)	LF	\$3.00	58	\$168.00
29	6040110	4"YEL.SLD.LINE-PVT.EDGE-F.D.PNT. (TEMPORARY)	LF	\$0.30	0	\$0.00
30	6041005	4" WHITE BROKEN LINES (GAPS EXCLUDED) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	0	\$0.00
31	6041010	4" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	\$1.00	4,000	\$4,000.00
32	6041012	6" WHITE SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF		0	\$0.00
33	6041015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF		0	\$0.00
34	6041025	24" WHITE SOLID LINES (STOP LINES / DIAG. LINES) - THERMOPLASTIC - 125 MIL.	LF	\$10.00	55	\$550.00
35	6041074	4" YELLOW SOLID LINES (PAVEMENT EDGE LINES) - THERMOPLASTIC - 90 MIL.	LF	\$0.85	0	\$0.00
36	6050005	PERMANENT CLEAR PAVEMENT MARKERS- MONO-DIR. 4"X4"	EA		0	\$0.00
37	6051100	PERMANENT YELLOW PAVEMENT MARKERS - BI-DIRECTIONAL, 4" X 4"	EA		0	\$0.00
38	7011100	CONC. FOR STR-CLASS 3000(RDWY)	CY		0	\$0.00
39	7055000	IRON PIPE HANDRAILING	LF		0	\$0.00
40	7182000	BRICK MASONRY (REINFORCED)	CY		0	\$0.00
41	7141113	18" RC PIPE CUL.-CLASS III	LF	\$35.00	141	\$4,935.00
42	7141114	24" RC PIPE CUL.-CLASS III	LF	\$40.00	1,525	\$61,000.00
43	7141116	36" RC PIPE CUL.-CLASS III	LF	\$65.00	1,150	\$74,750.00
44	7149999	CLEANING EXISTING PIPE	LF		0	\$0.00
45	7181060	CATCH BASIN-TYPE 1 SPECIAL (MODIFIED FOR CONC MEDIAN BARRIER)	EA		0	\$0.00
46	7181005	CATCH BASIN -TYPE 1	EA	\$3,000.00	8	\$24,000.00
47	7191605	CATCH BASIN -TYPE 9	EA		0	\$0.00
48	7191605	CATCH BASIN -TYPE 18	EA		0	\$0.00
49	7191650	CATCH BASIN -TYPE 18	EA		0	\$0.00
50	7192020	DROP INLET(24" X 36")	EA		0	\$0.00
51	7192105	MANHOLE	EA		0	\$0.00
52	7192215	24" X 36" JUNCTION BOX	EA	\$3,000.00	5	\$15,000.00
52	7201100	CONCRETE TRANSITION CURB	LF		0	\$0.00
53	7203110	CONCRETE CURB & GUTTER (1'-6" FACE)	LF	\$18.00	3,628	\$65,304.00
54	7204100	SIDEWALK (4" UNIFORM) (5' SIDEWALK EACH SIDE OF ROAD)	SY	\$46.00	2,015	\$90,690.00
55	7205000	CONCRETE DRIVEWAY(6" UNIFORM)	SY		0	\$0.00
56	7206000	CONCRETE MEDIAN	SY		0	\$0.00
57	8011055	AGGREGATE UNDERDRAIN	LF	\$15.00	3,628	\$54,420.00
58	8021210	10" PERFORATED PIPE UNDERDRAIN	LF	\$25.00	3,628	\$90,700.00
59	8041010	RIP-RAP (CLASS A)	TON	\$100.00	15	\$1,500.00
60	8048210	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP(CLASS 2)TYPE C	SY	\$20.00	22	\$440.00
61	8058125	CONCRETE BARRIER WALL TYPE 5 (SINGLE SIDE)	LF		0	\$0.00
62	8100001	PERMANENT VEGETATION	MSY	\$500.00	8	\$4,000.00
63	8103100	TEMPORARY VEGETATION	MSY	\$250.00	10	\$2,500.00
64	8109900	MOWING	MSY		0	\$0.00
65	8162006	SEDIMENT TUBE - 12"	LF		0	\$0.00
66	8163000	SILT FENCE	LF	\$2.00	3,628	\$7,256.00
67	8156211	CURB INLET FILTER (CATCH BASIN TYPE 1T-1SPECIAL)	EA	\$100.00	8	\$800.00
68	8156212	CURB INLET FILTER (CATCH BASIN TYPE 1B)	EA		0	\$0.00
69	8156214	CURB INLET FILTER (CATCH BASIN TYPE 1B)	EA		0	\$0.00
70	8157008	TEMPORARY FLEXIBLE PIPE SLOPE DRAIN - 8"	LF		0	\$0.00
		TRAFFIC SIGNAL REMOVAL & INSTALLATION COSTS	LS		0	\$0.00
		WATER AND SEWER IMPROVEMENTS	LS		0	\$0.00
		RIGHT OF WAY ACQUISITION	LS	\$205,000.00	1	\$205,000.00
		JOINT UTILITY DUCT BANK	LS		0	\$0.00
		UNDERGROUND UTILITIES	LS		0	\$0.00
		UTILITY SERVICE CONVERSIONS	LS		0	\$0.00
		LANDSCAPING (SUGGESTED ALLOWANCE)	LS	\$26,000.00	1	\$26,000.00
		STREET LIGHTING (@ 300' ON CENTER)	LS	\$3,000.00	18	\$54,000.00
		BUS STOP SHELTERS	LS		0	\$0.00
		BRIDGE OVER RAILROAD (60' WIDE X 150' LONG)	SF	\$225.00	7500	\$1,687,500.00
		TRAFFIC SIGNALIZATION OF INTERSECTION	EA	\$100,000.00	1	\$100,000.00
		SUBTOTAL				\$3,590,832.00
		30% CONTINGENCY				\$1,077,249.60
		TOTAL ANTICIPATED CONSTRUCTION COST				\$4,668,081.60
		ENGINEERING, SURVEYING, LEGAL, ETC. SERVICES (15%)	LS	\$700,212.24	1	\$700,212.24
		TOTAL ANTICIPATED PROJECT COST				\$5,368,293.84