

Engineer's Preliminary Estimate - 100% Submittal

December 31,2003

No.		BID ITEM No.	BID ITEM DESCRIPTION	UNIT OF MEASURE	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
1		070010	PROGRESS SCHEDULE (CRITICAL PATH)	LS	1	\$ 15,000	\$ 15,000
2		071325	TEMPORARY FENCE (TYPE ESA)	M	1250	\$ 10	\$ 12,500
3		074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1	\$ 7,000	\$ 7,000
4		074020	WATER POLLUTION CONTROL	LS	1	\$ 5,000	\$ 5,000
5		074020C	TEMPORARY DRAINAGE INLET PROTECTION	EA	18	\$ 250	\$ 4,500
6		074029	TEMPORARY SILT FENCE	M	1250	\$ 12	\$ 15,000
7		074032	TEMPORARY CONCRETE WASHOUT FACILITY	EA	1	\$ 3,000	\$ 3,000
8		074033	TEMPORARY CONSTRUCTION ENTRANCE	EA	2	\$ 2,500	\$ 5,000
9		074034	TEMPORARY COVER	M2	3300	\$ 3	\$ 9,900
10	S	120090	CONSTRUCTION AREA SIGNS	LS	1	\$ 25,000	\$ 25,000
11	S	120100	TRAFFIC CONTROL SYSTEM	LS	1	\$ 75,000	\$ 75,000
12	S	120120	TYPE III BARRICADE	EA	6	\$ 140	\$ 840
13	S	120149	TEMPORARY PAVEMENT MARKING (PAINT)	M2	64	\$ 40	\$ 2,560
14	S	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	4850	\$ 1	\$ 3,395
15	S	120165	CHANNELIZER (SURFACE MOUNTED)	EA	94	\$ 28	\$ 2,632
16	S	120300	TEMPORARY PAVEMENT MARKER	EA	14	\$ 4	\$ 56
17	S	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2	\$ 20,000	\$ 40,000
18	S	129000	TEMPORARY RAILING (TYPE K)	M	1390	\$ 30	\$ 41,700
19	S	129100	TEMPORARY CRASH CUSHION MODULE	EA	44	\$ 220	\$ 9,680
20		150206	ABANDON CULVERT	M	48	\$ 75	\$ 3,600
21		150221	ABANDON INLET	EA	1	\$ 900	\$ 900
22		150608	REMOVE CHAIN LINK FENCE	M	250	\$ 16	\$ 4,000
23		150701	REMOVE YELLOW PAINTED TRAFFIC STRIPE	M	600	\$ 10	\$ 6,000
24		150704	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE	M	500	\$ 10	\$ 5,000
25		150711	REMOVE PAINTED TRAFFIC STRIPE	M	620	\$ 2	\$ 1,240
26		150712	REMOVE PAINTED PAVEMENT MARKING	M2	47	\$ 24	\$ 1,128
27		150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	905	\$ 2	\$ 1,810
28		150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	M2	22	\$ 24	\$ 528

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29	150722	REMOVE PAVEMENT MARKER	EA	240	\$ 2	\$ 480
30	150742	REMOVE ROADSIDE SIGN	EA	27	\$ 95	\$ 2,565
31	150771	REMOVE AC DIKE	M	250	\$ 8	\$ 2,000
32	150805	REMOVE CULVERT	M	63	\$ 150	\$ 9,450
33	150820	REMOVE INLET	EA	2	\$ 700	\$ 1,400
34	151272	SALVAGE METAL BEAM GUARD RAILING	M	56	\$ 24	\$ 1,344
35	151285	SALVAGE SIGN PANEL	EA	3	\$ 350	\$ 1,050
36	152390	RELOCATE ROADSIDE SIGN	EA	2	\$ 250	\$ 500
37	152432	ADJUST MANHOLE	EA	4	\$ 1,000	\$ 4,000
38	152609	MODIFY INLET TO MANHOLE	EA	2	\$ 2,000	\$ 4,000
39	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	353	\$ 7	\$ 2,542
40	153210	REMOVE CONCRETE	M3	165	\$ 95	\$ 15,675
41	153250A	REMOVE MASONARY WALL	LS	1	\$ 2,400	\$ 2,400
42	157560	BRIDGE REMOVAL (PORTION)	LS	1	\$ 10,000	\$ 10,000
43	160101	CLEARING AND GRUBBING	LS	1	\$ 10,000	\$ 10,000
44	160120	REMOVE TREE	LS	1	\$ 3,000	\$ 3,000
45	170101	DEVELOP WATER SUPPLY	LS	1	\$ 15,000	\$ 15,000
46	190101	ROADWAY EXCAVATION	M3	8630	\$ 12	\$ 99,245
47	190105	ROADWAY EXCAVATION (TYPE Z-2) (AERIAL DEPOSITED LEAD)	M3	1300	\$ 250	\$ 325,000
48	190110	LEAD COMPLIANCE PLAN	LS	1	\$ 5,000	\$ 5,000
49	F 192003	STRUCTURE EXCAVATION (BRIDGE)	M3	129	\$ 85	\$ 10,965
50	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	73	\$ 75	\$ 5,475
51	F 193003	STRUCTURE BACKFILL (BRIDGE)	M3	97	\$ 65	\$ 6,305
52	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	92	\$ 55	\$ 5,060
53	198001	IMPORTED BORROW	M3	3380	\$ 13	\$ 42,250
54	198100	LIGHTWEIGHT FILL	M3	4390	\$ 46	\$ 199,745
55	S 200002	ROADSIDE CLEARING	LS	1	\$ 10,000	\$ 10,000
56	S 203001	EROSION CONTROL BLANKET	M2	10810	\$ 4	\$ 43,240

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57	S	203021	FIBER ROLLS	M	1520	\$ 11	\$ 16,720
58		208731	200 mm CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	M	37	\$ 170	\$ 6,290
59		250401	CLASS 4 AGGREGATE SUBBASE	M3	1450	\$ 23	\$ 33,350
60		260301	CLASS 3 AGGREGATE BASE	M3	1480	\$ 42	\$ 62,160
61		390155	ASPHALT CONCRETE (TYPE A)	TONN	8840	\$ 54	\$ 477,360
62		394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	M2	2275	\$ 16	\$ 36,400
63		394044	PLACE ASPHALT CONCRETE DIKE (TYPE C)	M	33	\$ 30	\$ 990
64		394048	PLACE ASPHALT CONCRETE DIKE (TYPE E)	M	380	\$ 6	\$ 2,280
65	S	490757	FURNISH PILING (CLASS 625C)	M	528	\$ 50	\$ 26,400
66	S	490758	DRIVE PILE (CLASS 625C)	EA	23	\$ 1,100	\$ 25,300
67	S	490759	FURNISH PILING (CLASS 400C)	M	391	\$ 50	\$ 19,550
68	S	490760	DRIVE PILE (CLASS 400C)	EA	19	\$ 950	\$ 18,050
69	F	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	34	\$ 650	\$ 22,100
70	F	510053	STRUCTURAL CONCRETE, BRIDGE	M3	117	\$ 750	\$ 87,750
71	F	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	44	\$ 500	\$ 22,000
72	F	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	31	\$ 1,400	\$ 43,400
73		510526	MINOR CONCRETE (BACKFILL)	M3	102	\$ 250	\$ 25,500
74		511106	DRILL AND BOND DOWEL	M	122	\$ 36	\$ 4,392
75		519120	JOINT SEAL (MR 15 MM)	M	9	\$ 110	\$ 990
76	S-F	520102	BAR REINFORCING STEEL (BRIDGE)	KG	23237	\$ 2	\$ 41,827
77	S-F	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	2770	\$ 2	\$ 5,540
78	S	530100	SHOTCRETE	M3	59	\$ 750	\$ 44,250
79		566011	ROADSIDE SIGN - ONE POST	EA	10	\$ 225	\$ 2,250
80		566012	ROADSIDE SIGN - TWO POST	EA	1	\$ 600	\$ 600
81		568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	4	\$ 150	\$ 600
82		568016	INSTALL SIGN PANEL ON EXISTING FRAME	M2	14	\$ 130	\$ 1,820
83		568017	INSTALL SIGN PANEL ON EXISTING POST	EA	3	\$ 600	\$ 1,800
84		620909	450 mm ALTERNATIVE PIPE CULVERT	M	544	\$ 175	\$ 95,200
85		620913	600 mm ALTERNATIVE PIPE CULVERT	M	113	\$ 200	\$ 22,600

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86		665830	300mm BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (2.01mm)	M	18	\$ 300	\$ 5,400
87		681594A	WICK DRAIN (VERTICAL)	M	100800	\$ 2	\$ 161,280
88		681595A	WICK DRAIN (COLLECTOR DRAIN)	M	4450	\$ 2	\$ 6,675
89		707133	900 mm PRECAST CONCRETE PIPE INLET	M	5	\$ 350	\$ 1,750
90		719589	MINOR CONCRETE (BACKFILL)	M3	102	\$ 250	\$ 25,500
91		731502	MINOR CONCRETE (MISC CONSTRUCTION)	M3	53	\$ 500	\$ 26,500
92		731522	MINOR CONCRETE (COBBLESTONE PAVING)	M2	490	\$ 150	\$ 73,500
93	S-F	750001	MISCELLANEOUS IRON AND STEEL	KG	2055	\$ 5	\$ 10,275
94	S	800385	CHAIN LINK FENCE (TYPE CL-1.2)	M	79	\$ 40	\$ 3,160
95	S	800391	CHAIN LINK FENCE (TYPE CL-1.8)	M	74	\$ 50	\$ 3,700
96	S	800423	CHAIN LINK FENCE (TYPE CL-2.4)	M	36	\$ 65	\$ 2,340
97		801340A	PIPE BARRIER GATE (TYPE 1-COV)	EA	1	\$ 2,400	\$ 2,400
98		802596	3.6m CHAIN LINK GATE (TYPE CL-1.8)	EA	1	\$ 1,600	\$ 1,600
99		820107	DELINEATOR (CLASS 1)	EA	14	\$ 40	\$ 560
100		820130	OBJECT MARKER	EA	3	\$ 60	\$ 180
101		832003	METAL BEAM GUARD RAILING (WOOD POST)	M	16	\$ 65	\$ 1,040
102	S-F	833020	CHAIN LINK RAILING	M	33	\$ 300	\$ 9,900
103		839522A	REMOVABLE BOLLARD	EA	2	\$ 1,000	\$ 2,000
104		839523A	BOLLARD	EA	2	\$ 500	\$ 1,000
105		839565	TERMINAL SYSTEM (TYPE SRT)	EA	1	\$ 2,100	\$ 2,100
106		839566	TERMINAL SYSTEM (TYPE CAT)	EA	1	\$ 4,600	\$ 4,600
107		839567	TERMINAL SYSTEM (TYPE CAT) BACKUP	EA	1	\$ 800	\$ 800
108		839701	CONCRETE BARRIER (TYPE 60)	M	462	\$ 100	\$ 46,200
109		839704	CONCRETE BARRIER (TYPE 60D)	M	35	\$ 100	\$ 3,500
110	F	839725	CONCRETE BARRIER (TYPE 736)	M	70	\$ 380	\$ 26,600
111	S	840515	THERMOPLASTIC PAVEMENT MARKING	M2	48	\$ 33	\$ 1,584
112	S	840561	100 mm THERMOPLASTIC TRAFFIC STRIPE	M	1960	\$ 1	\$ 1,646
113	S	840563	200 mm THERMOPLASTIC TRAFFIC STRIPE	M	330	\$ 2	\$ 548

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114	S	840571	100 mm THERMOPLASTIC TRAFFIC STRIPE (BROKEN 5.18M - 2.14M)	M	56	\$ 1	\$ 35
115	S	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	390	\$ 2	\$ 585
116	S	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	210	\$ 5	\$ 1,050
117	S	860201	SIGNAL AND LIGHTING (LOCATION 1)	LS	1	\$ 14,400	\$ 14,400
118	S	860460	LIGHTING AND SIGN ILLUMINATION	LS	1	\$ 102,528	\$ 102,528
119	S	861101	RAMP METERING SYSTEM (LOCATION 1)	LS	1	\$ 100,242	\$ 100,242
120		999990	MOBILIZATION	LS	1	\$ 250,000	\$ 250,000
							\$ 3,182,307
							\$ 159,115
							\$ 3,341,422

SUPPLEMENTAL WORK

121		066070	MAINTAIN TRAFFIC	LS	1	\$ 30,000	\$ 30,000
122		066595	WATER POLLUTION CONTROL MAINTENANCE SHARING	LS	1	\$ 10,000	\$ 10,000
123		066596	ADDITIONAL WATER POLLUTION CONTROL	LS	1	\$ 4,000	\$ 4,000
124		066597	STORM WATER SAMPLING AND ANALYSIS	LS	1	\$ 15,000	\$ 15,000
125		066830A	ADDITIONAL DISPOSAL COSTS FOR REMOVAL OF YELLOW PAINT RESIDUE	LS	1	\$ 5,000	\$ 5,000
126		069999A	ADDITIONAL HAZARDOUS MATERIAL HANDLING	LS	1	\$ 20,000	\$ 20,000
							\$ 84,000

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STATE FURNISHED MATERIALS						
127	066061	CHP ENHANCED ENFORCEMENT (COZEEP)	LS	1	\$ 40,000	\$ 40,000
128	066073	MARKER PANELS	LS	1	\$ 350	\$ 350
129	066571	HARDWARE FOR MOUNTING SIGN PANELS	LS	1	\$ 2,000	\$ 2,000
130	066572	SIGN PANELS	LS	1	\$ 12,800	\$ 12,800
131	066803	PADLOCKS	LS	1	\$ 200	\$ 200
132	066843	MODEL 170 CONTROLLER ASSEMBLY	LS	1	\$ 15,000	\$ 15,000
133	066843A	LED SIGNAL MODULES	EA	14	\$ 150	\$ 2,100
134	066876	LOOP DETECTOR SENSOR UNITS	EA	17	\$ 90	\$ 1,530
135	066893	UTILITY SERVICE	LS	1	\$ 4,000	\$ 4,000
		TOTAL STATE FURNISHED MATERIALS				\$ 77,980
TOTAL CONSTRUCTION COST						\$ 3,503,000