

ENGINEER'S ESTIMATE

OLD REDWOOD HIGHWAY BIKE LANES (P.M. 18.93 TO P.M. 19.48)

C05013

ITEM NO.	S/F	ITEM CODE	ITEM DESCRIPTION	UNIT	QTY.
1		74019	STORM WATER POLLUTION PREVENTION PLAN	LS	1.00
2		74020	STORM WATER POLLUTION CONTROL	LS	1.00
3		74020	STORM WATER POLLUTION MAINTENANCE WORK	LS	1.00
4		74029	TEMPORARY SILT FENCE	LF	1,015.00
5		33115	TEMPORARY DRAINAGE INLET PROTECTION	EA	1.00
6		120000	CONSTRUCTION PROJECT FUNDING IDENTIFICATION SIGNS	EA	2.00
7		120090	CONSTRUCTION AREA SIGNS	EA	6.00
8		120100	TRAFFIC CONTROL SYSTEM	LS	1.00
9		120101	FLAGGING	FA	10,650.00
10		129000	TEMPORARY RAILING (TYPE K)	LF	320.00
11		150718	REMOVE TRAFFIC STRIPES AND PAVEMENT MARKINGS	LF	150.00
12		150744	REMOVE ROADSIDE SIGNS	EA	2.00
13		151272	SALVAGE METAL BEAM GUARD RAIL	LF	384.00
14		152255	RESET MAILBOX	EA	3.00
15		152386	RELOCATE ROADSIDE SIGN	EA	2.00
16		153155	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	723.00
17		160101	CLEARING AND GRUBBING	LS	1.00
18		170101	DEVELOP WATER SUPPLY	LS	1.00
19		190101	ROADWAY EXCAVATION	CY	640.00
20		190185	SHOULDER BACKING	CY	71.00
21		192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	140.00
22		193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	111.00
23		198200	SUBGRADE ENHANCEMENT FABRIC	SQYD	2,045.00
24		203011	EROSION CONTROL (TYPE C)	SQYD	1,832.00
25		390120	ASPHALT CONCRETE (TYPE A 3/4" MAX. GRADING - WIDENING)	TN	1,585.00
26		390121	ASPHALT CONCRETE (TYPE A 1/2" MAX. GRADING, LEVELING AND OVERLAY)	TN	2,082.00
27		394002	PLACE ASPHALT CONCRETE (MISC. AREA)	SY	241.00
28		510060	STRUCTURAL CONCRETE RETAINING WALL	CY	106.60
29		510062	MINOR CONCRETE MINOR STRUCTURE (INLET)	CY	6.50
30		520103	BAR REINFORCEMENT STEEL (RETAINING WALL)	LB	6,069.00
31		562000	ROADSIDE SIGNS	EA	6.00
32		620909	18" ALTERNATE PIPE CULVERT	LF	58.50

33	620933	48" ALTERNATE PIPE CULVERT	LF	120.00
34	707133	PRECAST CONCRETE INLET (24" X 24")	EA	1.00
35	721007	ROCK SLOPE PROTECTION (1/4 TON, METHOD B)	CY	18.00
36	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	CY	9.00
37	731517	MINOR CONCRETE (GUTTER)	LF	277.00
38	750010	48" MANHOLE FRAME AND COVER	EA	1.00
39	810110	SURVEY MONUMENT	EA	1.00
40	820134	MARKERS AND DELINEATORS	EA	2.00
41	832001	METAL BEAM GUARDRAIL	LF	121.00
42	832002	METAL BEAM GUARDRAIL WITH LAGGING WALL	LF	75.00
43	833090	METAL TUBE BRIDGE RAILING	LF	85.00
44	833125	CONCRETE BARRIER (TYPE 25B)	LF	38.50
45	839521	CABLE RAILING	LF	265.00
46	839541	TRANSITION RAILING (TYPE WB)	EA	1.00
47	839543	TRANSITION RAILING (TYPE WB W8 STEEL POST WITH LAGGING)	EA	1.00
48	839578	END CAP (TYPE TC)	EA	3.00
49	839552	TERMINAL SECTION (TYPE ET)	EA	3.00
50	840501	4" THERMOPLASTIC TRAFFIC STRIPE (DETAIL 27B)	LF	418.00
51	840504	6" THERMOPLASTIC TRAFFIC STRIPE (DETAIL 39)	LF	3,132.00
52	840509	12" THERMOPLASTIC TRAFFIC STRIPE	LF	12.00
53	840515	THERMOPLASTIC PAVEMENT MARKING	SF	111.00
54	850105	PAVEMENT MARKER (NON-REFLECTIVE, TYPE AY)	EA	800.00
55	850106	PAVEMENT MARKER (REFLECTIVE, TYPE D)	EA	162.00
56	860603	FLASHING BEACON SYSTEM	LS	1.00
57	999998	GUARANTY	LS	1.00