

APPENDIX J

Cost Estimate Detail Spreadsheet

FINAL DAP - COST ESTIMATE - 2008 English Items

OREGON STATE HIGHWAY DIVISION - ROADWAY ENGINEERING

SECTION		US97/MURPHY ROAD: Brookwood - Parrell (BEND) Design Acceptance Package			COUNTY Deschutes	
KEY NUMBER	KIND OF WORK	LENGTH	DATE	PREPARED BY		
	GRADING, DRAINAGE, STRUCTURES, PAVING, SIGNING, ILLUMINATION & ROADSIDE DEVELOPMENT		5/6/2011	CH2M HILL		
ITEM NUMBER	ITEM DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL	
TEMPORARY FEATURES AND APPURTENANCES						
0210-010000A	MOBILIZATION	LS	1	\$1,222,000	\$1,222,000	
0225-010000A	TEMPORARY PROTECTION AND DIRECTION OF TRAFFIC	LS	1	\$356,000	\$356,000	
0280-010000A	EROSION CONTROL	LS	1	\$118,000	\$118,000	
ROADWORK						
0310-010600A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1	\$105,000.00	\$105,000	
0320-010000R	CLEARING AND GRUBBING	AC	25	\$2,500.00	\$62,500	
0330-012300K	EMBANKMENT IN PLACE	CY	118,420	\$10.00	\$1,184,200	
0350-010500J	SUBGRADE GEOTEXTILE	SY	66,060	\$1.00	\$66,060	
DRAINAGE AND SEWERS						
0445-035012BF	12 INCH STORM SEWER PIPE, 10 FT DEPTH	FT	8,046	\$50.00	\$402,300	
0445-035012CF	12 INCH STORM SEWER PIPE, 20 FT DEPTH	FT	950	\$85.00	\$80,750	
0445-035015BF	15 INCH STORM SEWER PIPE, 10 FT DEPTH	FT	1,330	\$85.00	\$113,050	
0445-035015CF	15 INCH STORM SEWER PIPE, 20 FT DEPTH	FT	1,300	\$105.00	\$136,500	
0470-0101000E	CONCRETE STORM SEWER MANHOLES	EA	53	\$3,000.00	\$159,000	
0470-0106000E	CONCRETE MANHOLES, LARGE PRECAST	EA	1	\$5,000.00	\$5,000	
N/A	VEGITATED INFILTRATION SWALE	EA	6	\$20,000.00	\$120,000	
N/A	VEGITATED FILTER STRIP	FT	1,600	\$15.00	\$24,000	
0470-0309000E	CONCRETE INLETS, TYPE CG-3	EA	100	\$1,400.00	\$140,000	
0470-0315000E	CONCRETE INLETS, TYPE G-2	EA	6	\$1,200.00	\$7,200	
BRIDGES						
N/A	MURPHY ROAD BRIDGE - PRECAST PRESTRESSED SPREAD BOX BEAM	LS	1	\$2,270,000	\$2,270,000	
N/A	3RD STREET BRIDGE - PRECAST PRESTRESSED SPREAD BOX BEAM	LS	1	\$1,274,000	\$1,274,000	
N/A	3RD STREET OFF-RAMP RETAINING WALL	LS	1	\$326,000	\$326,000	
N/A	RETAINING WALL, SEGMENTAL	LS	1	\$111,400	\$111,400	
0587-0127000A	PEDESTRIAN RAIL	FT	587	\$100.00	\$58,700	
BASES						
0640-010000M	AGGREGATE BASE	TON	32,330	\$15.00	\$484,950	
WEARING SURFACES						
0730-010000M	EMULSIFIED ASPHALT FOR TACK COAT	TON	21	\$425.00	\$9,010	
0745-030200M	LEVEL 3, 1/2 INCH DENSE HMAC	TON	24,230	\$50.00	\$1,211,500	
0745-064200M	PG 70-28 ASPHALT IN HMAC	TON	1,454	\$550.00	\$799,700	
0749-0110000E	ASPHALT APPROACHES	EA	7	\$4,000.00	\$28,000	
0756-0118000J	PLAIN CONCRETE PAVEMENT, DOWELED, 11 INCH THICK	SY	3,608	\$75.00	\$270,600	
0756-0119000J	PLAIN CONCRETE PAVEMENT, DOWELED, 12 INCH THICK	SY	4,210	\$80.00	\$336,800	
0759-0105000F	CONCRETE CURBS, CURB AND GUTTER, MODIFIED	FT	2,006	\$18.00	\$36,108	
0759-0110000F	CONCRETE CURBS, STANDARD CURB	FT	14,224	\$14.00	\$199,136	
0759-0112000F	CONCRETE CURBS, STANDARD CURB, MODIFIED	FT	3910	\$14.00	\$54,740	
0759-0116000F	CONCRETE CURBS, MOUNTABLE CURB AND GUTTER, MODIFIED	FT	943	\$18.00	\$16,974	
0759-0122000J	CONCRETE ISLANDS	SF	399	\$8.00	\$3,192	
0759-0127000J	CONCRETE DRIVEWAYS, REINFORCED	SF	7,881	\$6.00	\$47,286	
0759-0128000J	CONCRETE WALKS	SF	86,452	\$4.00	\$345,808	
0759-0147000J	PATTERNED CONCRETE SURFACING	SF	24,212	\$8.00	\$193,696	
PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES						
N/A	GUARDRAIL	LS	1	\$56,025	\$56,025	
0820-0100000F	CONCRETE BARRIER	FT	3,600	\$45.00	\$162,000	
0830-0123000E	IMPACT ATTENUATOR, TYPE J	EA	1	\$20,000.00	\$20,000	
0840-0100000E	DELINEATORS, TYPE 1	EA	44	\$45.00	\$1,980	
0840-0104200E	DELINEATORS, TYPE 4 ALTERNATE 2	EA	4	\$45.00	\$180	
0840-0106000E	MILEPOST MARKER POSTS	EA	2	\$75.00	\$150	
N/A	THERMOPLASTIC STRIPING	LS	1	\$75,000.00	\$75,000	
PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS						
N/A	SIGNS, COMPLETE	LS	1	\$50,000.00	\$50,000	
N/A	ILLUMINATION, COMPLETE	LS	1	\$218,000.00	\$218,000	
RIGHT OF WAY DEVELOPMENT AND CONTROL						
N/A	LANDSCAPING	LS	1	\$300,000.00	\$300,000	
1050-0102000F	TYPE 1-5W FENCE	FT	1,800	\$10.00	\$18,000	
N/A	UTILITY RELOCATIONS	LS	1	\$155,000.00	\$155,000	
SUBTOTAL, Construction Items (2011 DOLLARS)					\$13,435,495	
	Escalation 3 years to middle of construction		9.0%		\$1,209,190	
SUBTOTAL, Construction Items (2014 DOLLARS)					\$14,645,000	
	Construction Contingency		20%		\$2,929,000	
TOTAL CONSTRUCTION COST (2014 DOLLARS)					\$17,574,000	

Notes:

1. ROW and Building Removal Costs Are Not Included.
2. Design and Construction Engineering Costs Are Not Included.