

PRELIMINARY - COST ESTIMATE - 2016 Items					
OREGON STATE HIGHWAY DIVISION - ROADWAY ENGINEERING					
SECTION				COUNTY	
Cedar Creek/Tonquin Trail: Edy Rd - Roy Rogers				Washington	
KEY NUMBER	KIND OF WORK	LENGTH	DATE	ROADWAY DESIGNER	
18280	Grading, Structures, Paving, Signals, Illumination	0.5	8/31/16	Sharon Daleo	
ITEM NUMBER	ITEM DESCRIPTION	UNIT	AMOUNT	UNIT COST	TOTAL
MOBILIZATION AND TRAFFIC CONTROL					
0210-0100000A	MOBILIZATION	LS	All	10.00%	\$195,241.45
0280-0100000A	EROSION CONTROL	LS	All		\$145,000.00
See Traffic Control Estimate, without Mob. And E&C.		LS	All	3.00%	\$52,643.14
ROADWORK					
0305-0100000A	CONSTRUCTION SURVEY WORK	LS	All	3.00%	\$37,326.16
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	All	3.00%	\$35,847.12
0320-0100000R	CLEARING AND GRUBBING	ACRE	1.4	\$9,610.00	\$13,454.00
0330-0123000K	EMBANKMENT IN PLACE	CUYD	4,370	\$20.00	\$87,400.00
0330-0126000K	STONE EMBANKMENT	CUYD	0	\$50.00	\$0.00
0340-0100000Q	WATERING	MGAL	10	\$16.00	\$160.00
0350-0105000J	SUBGRADE GEOTEXTILE	SQYD	4,000	\$1.00	\$4,000.00
DRAINAGE AND SEWERS					
0445-010012AF	12 INCH CULVERT PIPE, 5 FT DEPTH	FOOT	50	\$80.00	\$4,000.00
0445-010018AF	18 INCH CULVERT PIPE, 5 FT DEPTH	FOOT	0	\$105.00	\$0.00
0490-0120000E	MINOR ADJUSTMENT OF MANHOLES	EACH	2	\$1,080.00	\$2,160.00
0490-0104000E	CONNECTION TO EXISTING STRUCTURES	EACH	4	\$1,050.00	\$4,200.00
0445-010036BF	36 INCH CULVERT PIPE, 10 FT DEPTH	FOOT	20	\$150.00	\$3,000.00
WALLS					
XXXXXXXXXX	SOIL REINFORCED SLOPE	SQFT	10,100	\$50.00	\$505,000.00
XXXXXXXXXX	ROCKERY CUT WALL	SQFT	3,700	\$42.00	\$155,400.00
BRIDGES					
Bridge					\$75,000.00
Boardwalk					\$165,000.00
BASES					
0640-0100000M	AGGREGATE BASE	TON	800	\$27.00	\$21,600.00
WEARING SURFACES					
0730-0100000M	EMULSIFIED ASPHALT FOR TACK COAT	TON	2	\$210.00	\$420.00
0745-0620000M	PG 64-22 ASPHALT IN ACP	TON	36	\$170.00	\$6,057.28
0759-0110000F	CONCRETE CURBS, STANDARD CURB	FOOT	0	\$34.00	\$0.00
0759-0105000F	CONCRETE CURBS, CURB AND GUTTER, MODIFIED	FOOT	120	\$37.00	\$4,440.00
0759-0153000E	CONCRETE SIDEWALK RAMPS	EACH	6	\$2,550.00	\$15,300.00
0759-0128000J	CONCRETE WALKS	SQYD	200	\$6.20	\$1,240.00
0748-0114000J	24 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	254	\$75.00	\$19,050.00
PERMANENT TRAFFIC CONTROL AND GUIDANCE DEVICES					
0587-0127000A	PEDESTRIAN RAIL	FOOT	1,460	\$40.00	\$58,400.00
1050-0135000F	CHAIN-LINK FENCE	FOOT	250	\$26.00	\$6,500.00
0867-0145100J	PAVEMENT BAR, TYPE B-HS	SQFT	240	\$8.00	\$1,920.00
0860-0200000F	LONGITUDINAL PAVEMENT MARKINGS - PAINT	FOOT	150	\$0.15	\$22.50
0910-0100000K	WOOD SIGN POSTS	FBM	30	\$20.00	\$600.00
0940-0124000J	TYPE "W1" SIGNS IN PLACE	SQFT	12	\$40.00	\$480.00
0940-0134000J	TYPE "Y1" SIGNS IN PLACE	SQFT	54	\$40.00	\$2,160.00
ILLUMINATION AND SIGNALS					
Illumination (3 lights		EACH	3	\$20,000.00	\$60,000.00
Signals (3 RRFBS)		EACH	3	\$40,000.00	\$120,000.00
PLANTINGS					
Environmental Mitigation					\$250,000.00
RIGHT OF WAY					
					\$40,000.00
SUBTOTAL, Construction Items					\$2,147,655.92
	UTILITIES, for all work listed				\$10,000.00
	CONSTRUCTION ENGINEERING			15.0%	\$330,000.00
	CONTINGENCIES, for all work listed			20.0%	\$430,000.00
	Preliminary Engineering			20.0%	\$575,000.00
TOTAL CONSTRUCTION COST					\$3,492,655.92
Current Programmed Funding Amount				#DIV/0!	