

Appendix D

Cost Estimate Back Up



Project:		Franklin Boulevard Transformation		Client:		City of Eugene		SEGMENT 1		SEGMENT 2		SEGMENT 3		SEGMENT 4		SEGMENT 5		SEGMENT 6			
Corridor Section:		Franklin Boulevard - City of Eugene (West of I-5)		Entered by:		WDH		Kincaid to Onyx		Onyx to Agate		Agate to Moss/13th		Moss/13th to Villard		Villard to Walnut		Walnut to East Gateway			
Description:		Preferred Alternative - Phase 1 - RAISE Grant		Checked by:		EJS															
Date:		7/9/2021																			
ITEM NO.	ITEM	UNIT	UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	TOTAL COST	
TEMPORARY FEATURES AND APPURTENANCES																					
1	MOBILIZATION (10%)	LS	10%	ALL	\$ 161,100.00	ALL	\$ 102,600.00	ALL	\$ 301,100.00	ALL	\$ 98,100.00	ALL	\$ 405,800.00	ALL	\$ 48,800.00						\$ 1,117,500.00
2	TEMPORARY WORK ZONE TRAFFIC CONTROL (10%)	LS	10%	ALL	\$ 161,100.00	ALL	\$ 102,600.00	ALL	\$ 301,100.00	ALL	\$ 98,100.00	ALL	\$ 405,800.00	ALL	\$ 48,800.00						\$ 1,117,500.00
3	EROSION CONTROL (1.5%)	LS	1.5%	ALL	\$ 24,200.00	ALL	\$ 15,400.00	ALL	\$ 45,200.00	ALL	\$ 14,800.00	ALL	\$ 60,900.00	ALL	\$ 7,400.00						\$ 167,900.00
4	POLLUTION CONTROL PLAN	LS	0.5%	ALL	\$ 8,100.00	ALL	\$ 5,200.00	ALL	\$ 15,100.00	ALL	\$ 5,000.00	ALL	\$ 20,300.00	ALL	\$ 2,500.00						\$ 56,200.00
Subtotal					\$ 354,500.00	\$ 225,800.00	\$ 662,500.00	\$ 216,000.00	\$ 892,800.00	\$ 107,500.00	\$ 2,459,100.00										
ROADWORK & DRAINAGE																					
5	GRIND AND INLAY	SF	3.50	0	\$ -	0	\$ -	0	\$ -	37,550	\$ 131,425.00	0	\$ -	0	\$ -						\$ 131,425.00
6	FULL PAVEMENT REPLACEMENT	SF	15.00	0	\$ -	0	\$ -	40,200	\$ 603,000.00	0	\$ -	44,050	\$ 660,750.00	0	\$ -						\$ 1,263,750.00
7	CONVERTING EXISTING SIGNAL TO ROUNDABOUT	EA	500,000.00	0	\$ -	0	\$ -	1	\$ 500,000.00	0	\$ -	1	\$ 500,000.00	0	\$ -						\$ 1,000,000.00
8	DRAINAGE CONVEYANCE IMPROVEMENTS	LS	476,000.00	--	\$ -	--	\$ -	ALL	\$ 220,000.00	--	\$ -	ALL	\$ 256,000.00	--	\$ -						\$ 476,000.00
9	EARTHWORK	LS	64,020.00	ALL	\$ 9,900.00	ALL	\$ 14,190.00	ALL	\$ 11,880.00	ALL	\$ 11,880.00	ALL	\$ 14,520.00	ALL	\$ 1,650.00						\$ 64,020.00
Subtotal					\$ 9,900.00	\$ 14,190.00	\$ 1,334,880.00	\$ 143,305.00	\$ 1,431,270.00	\$ 1,650.00	\$ 2,935,195.00										
PEDESTRIAN & BIKE																					
10	SIDEWALK INFILL	SF	14.00	0	\$ -	4,200	\$ 58,800.00	3,600	\$ 50,400.00	3,600	\$ 50,400.00	3,900	\$ 54,600.00	0	\$ -						\$ 214,200.00
11	SEPARATED BIKE FACILITY	LF	140.00	2,600	\$ 364,000.00	1,400	\$ 196,000.00	1,200	\$ 168,000.00	1,100	\$ 154,000.00	1,300	\$ 182,000.00	0	\$ -						\$ 1,064,000.00
12	12' SHARED USE TRAIL	LF	100.00	1,300	\$ 130,000.00	0	\$ -	0	\$ -	0	\$ -	650	\$ 65,000.00	650	\$ 65,000.00						\$ 260,000.00
13	STRIPED CROSSWALK	EA	2,500.00	0	\$ -	0	\$ -	2	\$ 5,000.00	0	\$ -	2	\$ 5,000.00	1	\$ 2,500.00						\$ 12,500.00
14	RRFB	EA	90,000.00	0	\$ -	0	\$ -	2	\$ 180,000.00	0	\$ -	2	\$ 180,000.00	0	\$ -						\$ 360,000.00
15	ADA RAMPS	EA	1,000.00	0	\$ -	18	\$ 18,000.00	18	\$ 18,000.00	18	\$ 18,000.00	18	\$ 18,000.00	10	\$ 10,000.00						\$ 82,000.00
Subtotal					\$ 494,000.00	\$ 272,800.00	\$ 421,400.00	\$ 222,400.00	\$ 504,600.00	\$ 227,500.00	\$ 2,142,700.00										
TRANSIT																					
16	BI-DIRECTIONAL TRANSIT LANE	LF	300.00	1,100	\$ 330,000.00	600	\$ 180,000.00	500	\$ 150,000.00	400	\$ 120,000.00	500	\$ 150,000.00	0	\$ -						\$ 930,000.00
17	TRANSIT LANE SIGNING & STRIPING	LF	120.00	1,100	\$ 132,000.00	600	\$ 72,000.00	500	\$ 60,000.00	400	\$ 48,000.00	500	\$ 60,000.00	0	\$ -						\$ 372,000.00
18	TRANSIT STATION (CENTER)	EA	475,000.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	1	\$ 475,000.00	0	\$ -						\$ 475,000.00
19	CENTER STATION ROADWAY WIDENING	EA	54,000.00	0	\$ -	0	\$ -	0	\$ -	0	\$ -	1	\$ 54,000.00	0	\$ -						\$ 54,000.00
Subtotal					\$ 462,000.00	\$ 252,000.00	\$ 210,000.00	\$ 168,000.00	\$ 739,000.00	\$ -	\$ 1,831,000.00										
TRAFFIC																					
20	CONTINUOUS FIBER OPTIC (ITS)	MILE	320,000.00	0.25	\$ 80,000.00	0.13	\$ 41,600.00	0.11	\$ 35,200.00	0.10	\$ 32,000.00	0.12	\$ 38,400.00	0.12	\$ 38,400.00						\$ 265,600.00
21	ILLUMINATION	MILE	550,000.00	0.25	\$ 137,500.00	0.13	\$ 71,500.00	0.11	\$ 60,500.00	0.10	\$ 55,000.00	0.12	\$ 66,000.00	0.12	\$ 66,000.00						\$ 456,500.00
22	SIGNAL MODIFICATION	EA	50,000.00	0	\$ -	1	\$ 50,000.00	0	\$ -	1	\$ 50,000.00	0	\$ -	0	\$ -						\$ 100,000.00
23	SEGMENT STRIPING & SIGNING	LS	3.0%	ALL	\$ 48,400.00	ALL	\$ 30,800.00	ALL	\$ 90,400.00	ALL	\$ 29,500.00	ALL	\$ 121,800.00	ALL	\$ 14,700.00						\$ 335,600.00
Subtotal					\$ 265,900.00	\$ 193,900.00	\$ 186,100.00	\$ 166,500.00	\$ 226,200.00	\$ 119,100.00	\$ 1,157,700.00										
MISC.																					
24	CONSTRUCTION SURVEY WORK (1.5%)	LS	1.5%	ALL	\$ 24,200.00	ALL	\$ 15,400.00	ALL	\$ 45,200.00	ALL	\$ 14,800.00	ALL	\$ 60,900.00	ALL	\$ 7,400.00						\$ 167,900.00
25	LANDSCAPING	LS	5%	--	\$ -	ALL	\$ 51,300.00	ALL	\$ 150,600.00	ALL	\$ 49,100.00	ALL	\$ 202,900.00	ALL	\$ 24,400.00						\$ 478,300.00
Subtotal					\$ 24,200.00	\$ 66,700.00	\$ 195,800.00	\$ 63,900.00	\$ 263,800.00	\$ 31,800.00	\$ 646,200.00										
SUBTOTAL FOR CONSTRUCTION																					
Subtotal					\$ 1,610,500.00	\$ 1,025,390.00	\$ 3,010,680.00	\$ 980,105.00	\$ 4,057,670.00	\$ 487,550.00	\$ 11,171,895.00										
	ESCALATION (2019 to 2021)	%	5%	ALL	\$ 165,100.00	ALL	\$ 105,200.00	ALL	\$ 308,600.00	ALL	\$ 100,500.00	ALL	\$ 416,000.00	ALL	\$ 50,000.00						\$ 1,145,400.00
	CONTINGENCIES	%	35%	ALL	\$ 564,000.00	ALL	\$ 359,000.00	ALL	\$ 1,054,000.00	ALL	\$ 344,000.00	ALL	\$ 1,421,000.00	ALL	\$ 171,000.00						\$ 3,913,000.00
	ENGINEERING DESIGN	%	20%	ALL	\$ 323,000.00	ALL	\$ 206,000.00	ALL	\$ 603,000.00	ALL	\$ 197,000.00	ALL	\$ 812,000.00	ALL	\$ 98,000.00						\$ 2,239,000.00
	CONSTRUCTION ENGINEERING	%	15%	ALL	\$ 241,600.00	ALL	\$ 153,900.00	ALL	\$ 451,700.00	ALL	\$ 147,100.00	ALL	\$ 608,700.00	ALL	\$ 73,200.00						\$ 1,676,200.00
	CORRIDOR PLANNING AND OUTREACH	%	1%	ALL	\$ 16,200.00	ALL	\$ 10,300.00	ALL	\$ 30,200.00	ALL	\$ 9,900.00	ALL	\$ 40,600.00	ALL	\$ 4,900.00						\$ 112,100.00
	REIMBURSABLE UTILITIES	%	5%	ALL	\$ 80,600.00	ALL	\$ 51,300.00	ALL	\$ 150,600.00	ALL	\$ 49,100.00	ALL	\$ 202,900.00	ALL	\$ 24,400.00						\$ 558,900.00
	RIGHT OF WAY (5%)	LS	5%	ALL	\$ 81,000.00	ALL	\$ 52,000.00	ALL	\$ 151,000.00	ALL	\$ 50,000.00	ALL	\$ 203,000.00	ALL	\$ 25,000.00						\$ 562,000.00
PROJECT TOTAL (ROUNDED)					\$ 3,082,000.00	\$ 1,964,000.00	\$ 5,760,000.00	\$ 1,878,000.00	\$ 7,762,000.00	\$ 935,000.00	\$ 21,378,495.00										

5/12/2021 Estimate

Biditem	Description	Quantity	Units	Unit Price	Bid Total
TEMPORARY FEATURES & APPURTENANCES					
10100	MOBILIZATION	1.000	LS	624000	624,000.00
10200	TEMPORARY PROTECTION & DIRECTION OF TRAFFIC	1.000	LS	450000	450,000.00
10300	EROSION CONTROL	1.000	LS	113000	113,000.00
ROADWORK					
20200	CONSTRUCTION SURVEY WORK	1.000	LS	49900	49,900.00
20300	REMOVAL OF SURFACINGS	21,310.000	SY	5	106,550.00
20400	REMOVAL OF STRUCTURES & OBSTRUCTIONS	1.000	LS	355000	355,000.00
20500	REMOVAL OF BUILDINGS	1.000	LS	351000	351,000.00
20600	EMBANKMENT IN PLACE	5,550.000	CY	68	377,400.00
20700	SUBGRADE GEOTEXTILE	10,681.000	SY	3	32,043.00
DRAINAGE & SEWERS					
30100	12 INCH STORM SEWER PIPE, 5 FT DEPTH	3,450.000	LF	110	379,500.00
30200	CONCRETE INLETS, TYPE G-2	33.000	EA	5130	169,290.00
30300	CONCRETE STORM SEWER MANHOLES	20.000	EA	7380	147,600.00
30400	RAIN GARDENS	13,566.000	SF	14	189,924.00
BASES					
40100	AGGREGATE BASE	4,684.000	TN	36	168,624.00
WEARING SURFACES					
50100	LEVEL 3, 1/2 INCH ACP	242.000	TN	140	33,880.00
50200	PG 70-22 ASPHALT IN LEVEL 3 ACP	34.000	TN	550	18,700.00
50320	PLAIN CONCRETE PAVEMENT, UNDOWELED, 7 INCHES THICK	1,857.000	SY	140	259,980.00
50400	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT 9.5 INCH	6,970.000	SY	180	1,254,600.00
50500	CONCRETE CURBS, CURB & GUTTER, MODIFIED	2,644.000	LF	27	71,388.00
50600	CONCRETE CURBS, STANDARD CURB, MODIFIED	4,456.000	LF	32	142,592.00
50700	CONCRETE CURBS, MOUNTABLE CURB & GUTTER, MODIFIED	426.000	LF	70	29,820.00
50800	CONCRETE DRIVEWAYS, REINFORCED	3,404.000	SF	22	74,888.00
50900	CONCRETE WALKS, 4 INCHES THICK	14,091.000	SF	11	155,001.00
51000	CONCRETE WALKS, 6 INCHES THICK	16,332.000	SF	12	195,984.00
51100	PATTERNED CONCRETE SURFACING, TRUCK APRON	6,139.000	SF	14	85,946.00
51200	PATTERNED CONCRETE SURFACING, SPLITTER ISLANDS	4,474.000	SF	14	62,636.00
51300	REINFORCED CONCRETE PAVEMENT 8 INCHES THICK	47.000	SY	280	13,160.00
51400	LANDSCAPING	4,115.000	SY	53	218,095.00
51500	CONCRETE WHEELSTOP (8-FEET LONG)	23.000	EA	170	3,910.00
51600	PERMANENT TYPE III BARRICADES	2.000	EA	2370	4,740.00
51700	BOLLARDS	4.000	EA	1770	7,080.00
PERMANENT TRAFFIC SAFETY & GUIDANCE DEVICES					
60100	THERMOPLASTIC STRIPING	1.000	LS	70000	70,000.00
PERMANENT TRAFFIC CONTROL & ILLUMINATION SYSTEMS					
70100	SIGNS, COMPLETE	1.000	LS	60000	60,000.00
70200	ILLUMINATION, COMPLETE	1.000	LS	473000	473,000.00
MARKINGS					
80100	LINEAR PAVEMENT	6,818.000	LF	5	34,090.00
80200	TRAFFIC ARROWS	16.000	EA	380	6,080.00
80300	PAVEMENT YIELD MARKING AT ROUNDABOUT	5.000	EA	1010	5,050.00
80400	10-FT WIDE CROSS WALKS MARKING	136.000	LF	33.5	4,556.00
SIGNALS					
81100	RECT RAPID FLASHING BEACONS W/PUSH BUTTON & SIGN	8.000	EA	27600	220,800.00
SUBTOTAL CONSTRUCTION COST					\$7,019,807.00
INDIRECT COSTS					
85100	DESIGN CONTINGENCY (17%)	1.000	LS	1194400	1,194,400.00
85200	CONSTRUCTION CONTINGENCY (12%)	1.000	LS	837000	837,000.00
85300	DESIGN & CONSTRUCTION ENGINEERING	1.000	LS	1046000	1,046,000.00
85400	REIMBURSABLE UTILITY RELOCATIONS	1.000	LS	500000	500,000.00
85500	RIGHT-OF-WAY COSTS	1.000	LS	1902225	1,902,225.00
Bid Total					\$ 12,499,432