



**Conceptual Cost Estimates
(SUMMARY)**

9/13/2022

Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

CONTINGENCY (%) =	40									
ESCALATION (YEARS) =	0									
ESCALATION (%) =	0									
	GREENWOOD CROSSING		HAWTHORNE CROSSING						FRANKLIN CROSSING	
	Alt 1	Alt 2	Alt 1A (14')	Alt 1B (20')	Alt 2A (14')	Alt 2B (20')	Alt 3A (14')	Alt 3B (20')	Alt 1	Alt 2
CONSTRUCTION SUBTOTAL	\$ 1,639,600	\$ 4,535,675	\$ 11,466,350	\$ 13,000,000	\$ 12,213,030	\$ 14,000,000	\$ 10,972,700	\$ 13,000,000	\$ 3,894,300	\$ 23,363,930
CONSTRUCTION TOTAL W/CONTINGENCY	\$ 2,295,400	\$ 6,349,975	\$ 16,052,850	\$ 19,000,000	\$ 17,098,230	\$ 20,000,000	\$ 15,361,800	\$ 18,000,000	\$ 5,452,000	\$ 32,709,530
CONSTRUCTION TOTAL WITH ESCALATION	\$ 2,295,400	\$ 6,349,975	\$ 16,052,850	\$ 19,000,000	\$ 17,098,230	\$ 20,000,000	\$ 15,361,800	\$ 18,000,000	\$ 5,452,000	\$ 32,709,530
ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL	\$ 683,000	\$ 1,534,000	\$ 3,654,000	\$ 4,000,000	\$ 3,877,000	\$ 4,000,000	\$ 3,505,000	\$ 4,000,000	\$ 1,347,000	\$ 14,171,000
TOTAL PROJECT COST (See Note 2)	\$ 2,978,400	\$ 7,883,975	\$ 19,706,850	\$ 23,000,000	\$ 20,975,230	\$ 24,000,000	\$ 18,866,800	\$ 22,000,000	\$ 6,799,000	\$ 46,880,530
RELATED CIP PROJECTS										
STORM WATER IMPROVEMENTS (See Note 1)	\$ 2,500,000	\$ 2,500,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,750,000	\$ 1,750,000

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES					\$ 433,300.00
0210-010000A	MOBILIZATION (12%)	1	LS	\$ 146,700.00	\$ 146,700.00
0000-0000000	UTILITY CONFLICT RESOLUTION	1	LS	\$ 100,000.00	\$ 100,000.00
0221-010000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE (10%)	1	LS	\$ 122,200.00	\$ 122,200.00
0223-017000E	RAILROAD FLAGGER SERVICES	12	DAY	\$ 1,200.00	\$ 14,400.00
0240-010000A	TEMPORARY DRAINAGE FACILITIES	1	LS	\$ 10,000.00	\$ 10,000.00
0280-010000A	EROSION CONTROL	1	LS	\$ 40,000.00	\$ 40,000.00
PART 00300 - ROADWORK					\$ 196,800.00
0305-010000A	CONSTRUCTION SURVEY WORK (2%)	1	LS	\$ 24,500.00	\$ 24,500.00
0310-010600A	REMOVAL OF SURFACING AND OBSTRUCTIONS (1%)	1	LS	\$ 12,300.00	\$ 12,300.00
0330-010500K	GENERAL EXCAVATION	2,000	CUYD	\$ 80.00	\$ 160,000.00
PART 00400 - DRAINAGE AND SEWERS					\$ -
0445-030008BF	8 INCH SANITARY SEWER PIPE, 10 FT DEPTH	0	FOOT	\$ -	\$ -
0470-010000E	CONCRETE SANITARY SEWER MANHOLES	0	EACH	\$ -	\$ -
PART 00500 - BRIDGES					\$ -
0510-0101000A	STRUCTURE EXCAVATION	0	CUYD	\$ -	\$ -
0530-0104000A	REINFORCEMENT, GRADE 60	0	LBS	\$ -	\$ -
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000	0	CUYD	\$ -	\$ -
0587-0127000A	PEDESTRIAN RAIL, ON STRUCTURES AND STAIRS	0	FOOT	\$ -	\$ -
0587-0134000A	PROTECTIVE FENCING	0	FOOT	\$ -	\$ -
0587-0127000A	PEDESTRIAN RAIL, ON CIP RETAINING WALL	0	FOOT	\$ -	\$ -
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	0	SF	\$ -	\$ -
0310-0112000A	REMOVAL OF FENCES	0	FT	\$ -	\$ -
0501-0100000A	SAWCUT REMOVAL OF RETAINING WALL	0	SF	\$ -	\$ -
PART 00600 - BASES					\$ 84,000.00
0641-0102000M	AGGREGATE BASE	2,100	TON	\$ 40.00	\$ 84,000.00
PART 00700 - WEARING SURFACES					\$ 475,500.00
0744-0100000M	8" OF LEVEL 4 ACP MIXTURE	1,400	TON	\$ 80.00	\$ 112,000.00
0759-010000F	CONCRETE CURBS	1,700	FOOT	\$ 50.00	\$ 85,000.00
0759-012800J	CONCRETE WALKS	20,800	SQFT	\$ 12.00	\$ 249,600.00
0759-0154100E	EXTRA FOR NEW CURB RAMPS	8	EACH	\$ 2,800.00	\$ 22,400.00
0759-051000J	TRUNCATED DOMES ON NEW SURFACES	130	SQFT	\$ 50.00	\$ 6,500.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES					\$ 24,500.00
0870-000000A	ALLOWANCE FOR STRIPING	1	LS	\$ 24,500.00	\$ 24,500.00
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS					\$ 397,500.00
0945-000000A	ALLOWANCE FOR SIGNS AND SUPPORTS	1	LS	\$ 35,200.00	\$ 35,200.00
0975-000000A	ALLOWANCE FOR LIGHTING (1%)	1	LS	\$ 12,300.00	\$ 12,300.00
0975-000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1	LS	\$ 350,000.00	\$ 350,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL					\$ 24,000.00
1040-000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1	LS	\$ 4,000.00	\$ 4,000.00
1040-000000A	ALLOWANCE FOR STREET TREES	1	LS	\$ 20,000.00	\$ 20,000.00
PART 01100 - WATER SUPPLY SYSTEMS					\$ 4,000.00
1140-050000F	DUCTILE IRON PIPE WITH RESTRAINED JOINTS AND CLASS A BACKFILL	0	FOOT	\$ -	\$ -
1160-0102000E	MOVING EXISTING HYDRANTS	0	EACH	\$ -	\$ -
1170-0105000E	RECONNECTING EXISTING WATER SERVICES, 1 INCH	0	EACH	\$ -	\$ -
1170-0111000E	RELOCATE _____ INCH WATER METER ASSEMBLY	2	EACH	\$ 2,000.00	\$ 4,000.00
CONSTRUCTION SUBTOTAL					\$ 1,639,600.00
CONTINGENCY (40.0%)					\$ 655,800.00
CONSTRUCTION TOTAL					\$ 2,295,400.00
ESCALATION (2.0 YEARS)					
ESCALATION PERCENTAGE (0.0 %)					\$ -
CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION					\$ 2,295,400.00
ANTICIPATED ITEMS					\$ 200,000.00
9400-0010300A	RAILROAD COSTS	1	LS	\$ 200,000.00	\$ 200,000.00
0000-0000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1	LS	\$ -	\$ -
0000-0000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1	LS	\$ -	\$ -



Conceptual Cost Estimate
NW GREENWOOD AVENUE - ALTERNATIVE 1
 Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

Submitted 9/13/2022

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
SOFT COSTS - PROJECT DESIGN					\$ 437,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS	\$ 276,000.00	\$ 276,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS	\$ 161,000.00	\$ 161,000.00
SOFT COSTS - PERMIT FEES					\$ 46,000.00
	ODOT (2% of Construction)	1	LS	\$ 46,000.00	\$ 46,000.00
ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL					\$ 683,000.00
TOTAL PROJECT COST					\$ 2,978,400.00
RELATED CIP PROJECTS					\$ 2,500,000.00
	Stormwater Improvements from 2023-2027 CIP	1	LS	\$ 2,500,000.00	\$ 2,500,000.00
Notes:					
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction.					
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2021 dated March 3, 2022 and data collected from local projects.					
3. Agency administration costs are not included in this estimate.					
4. Allowance for stormwater improvements, based on City of Bend estimates from 2023-2027 CIP.					

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES				\$ 1,039,200.00
0210-010000A	MOBILIZATION (12%)	1 LS	\$ 422,200.00	\$ 422,200.00
0000-0000000	UTILITY CONFLICT RESOLUTION	1 LS	\$ 100,000.00	\$ 100,000.00
0221-010000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE (10%)	1 LS	\$ 351,800.00	\$ 351,800.00
0223-017000E	RAILROAD FLAGGER SERVICES	96 DAY	\$ 1,200.00	\$ 115,200.00
0240-010000A	TEMPORARY DRAINAGE FACILITIES	1 LS	\$ 10,000.00	\$ 10,000.00
0280-010000A	EROSION CONTROL	1 LS	\$ 40,000.00	\$ 40,000.00
PART 00300 - ROADWORK				\$ 305,600.00
0305-010000A	CONSTRUCTION SURVEY WORK (2%)	1 LS	\$ 70,400.00	\$ 70,400.00
0310-010600A	REMOVAL OF SURFACING AND OBSTRUCTIONS (1%)	1 LS	\$ 35,200.00	\$ 35,200.00
0330-010500K	GENERAL EXCAVATION	2,500 CUYD	\$ 80.00	\$ 200,000.00
PART 00400 - DRAINAGE AND SEWERS				\$ 29,000.00
0445-030008BF	8 INCH SANITARY SEWER PIPE, 10 FT DEPTH	100 FOOT	\$ 80.00	\$ 8,000.00
0470-010000E	CONCRETE SANITARY SEWER MANHOLES	3 EACH	\$ 7,000.00	\$ 21,000.00
PART 00500 - BRIDGES				\$ 1,960,825.00
0510-0101000A	STRUCTURE EXCAVATION	860 CUYD	\$ 100.00	\$ 86,000.00
0530-0104000A	REINFORCEMENT, GRADE 60	1,580 LBS	\$ 2.50	\$ 3,950.00
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000	8 CUYD	\$ 2,000.00	\$ 16,000.00
0587-0127000A	PEDESTRIAN RAIL, ON STRUCTURES AND STAIRS	18 FOOT	\$ 400.00	\$ 7,000.00
0587-0134000A	PROTECTIVE FENCING	890 FOOT	\$ 400.00	\$ 356,000.00
0587-0127000A	PEDESTRIAN RAIL, ON CIP RETAINING WALL	140 FOOT	\$ 400.00	\$ 56,000.00
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	4,120 SF	\$ 325.00	\$ 1,339,000.00
0310-0112000A	REMOVAL OF FENCES	950 FT	\$ 50.00	\$ 47,500.00
0501-0100000A	SAWCUT REMOVAL OF RETAINING WALL	1,975 SF	\$ 25.00	\$ 49,375.00
PART 00600 - BASES				\$ 104,000.00
0641-0102000M	AGGREGATE BASE	2,600 TON	\$ 40.00	\$ 104,000.00
PART 00700 - WEARING SURFACES				\$ 447,500.00
0744-0100000M	8" OF LEVEL 4 ACP MIXTURE	1,900 TON	\$ 80.00	\$ 152,000.00
0759-010000F	CONCRETE CURBS	700 FOOT	\$ 50.00	\$ 35,000.00
0759-012800J	CONCRETE WALKS	19,300 SQFT	\$ 12.00	\$ 231,600.00
0759-0154100E	EXTRA FOR NEW CURB RAMPS	8 EACH	\$ 2,800.00	\$ 22,400.00
0759-051000J	TRUNCATED DOMES ON NEW SURFACES	130 SQFT	\$ 50.00	\$ 6,500.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES				\$ 28,000.00
0870-000000A	ALLOWANCE FOR STRIPING	1 LS	\$ 28,000.00	\$ 28,000.00
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS				\$ 420,400.00
0945-000000A	ALLOWANCE FOR SIGNS AND SUPPORTS	1 LS	\$ 35,200.00	\$ 35,200.00
0975-000000A	ALLOWANCE FOR LIGHTING (1%)	1 LS	\$ 35,200.00	\$ 35,200.00
0975-000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1 LS	\$ 350,000.00	\$ 350,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL				\$ 38,250.00
1040-000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1 LS	\$ 6,250.00	\$ 6,250.00
1040-000000A	ALLOWANCE FOR STREET TREES	1 LS	\$ 32,000.00	\$ 32,000.00
PART 01100 - WATER SUPPLY SYSTEMS				\$ 162,900.00
1140-050000F	DUCTILE IRON PIPE WITH RESTRAINED JOINTS AND CLASS A BACKFILL	710 FOOT	\$ 220.00	\$ 156,200.00
1160-010200E	MOVING EXISTING HYDRANTS	0 EACH	\$ -	\$ -
1170-010500E	RECONNECTING EXISTING WATER SERVICES, 1 INCH	9 EACH	\$ 300.00	\$ 2,700.00
1170-011100E	RELOCATE _____ INCH WATER METER ASSEMBLY	2 EACH	\$ 2,000.00	\$ 4,000.00
CONSTRUCTION SUBTOTAL				\$ 4,535,675.00
CONTINGENCY (40.0%)				\$ 1,814,300.00
CONSTRUCTION TOTAL				\$ 6,349,975.00
ESCALATION (2.0 YEARS)				
ESCALATION PERCENTAGE (0.0 %)				\$ -
CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION				\$ 6,349,975.00
ANTICIPATED ITEMS				\$ 200,000.00
9400-0010300A	RAILROAD COSTS	1 LS	\$ 200,000.00	\$ 200,000.00
0000-0000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1 LS	\$ -	\$ -
0000-0000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1 LS	\$ -	\$ -

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
SOFT COSTS - PROJECT DESIGN					
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS	\$ 762,000.00	\$ 762,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS	\$ 445,000.00	\$ 445,000.00
SOFT COSTS - PERMIT FEES					
	ODOT (2% of Construction)	1	LS	\$ 127,000.00	\$ 127,000.00
ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL					\$ 1,534,000.00
TOTAL PROJECT COST					\$ 7,883,975.00
RELATED CIP PROJECTS					
	Stormwater Improvements from 2023-2027 CIP	1	LS	\$ 2,500,000.00	\$ 2,500,000.00
Notes:					
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction.					
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2021 dated March 3, 2022 and data collected from local projects.					
3. Agency administration costs are not included in this estimate.					
4. Allowance for stormwater improvements, based on City of Bend estimates from 2023-2027 CIP.					



Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 1)
 Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

Submitted 9/13/2022

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES				\$ 1,541,000.00
0210-010000A	MOBILIZATION	1 LS	\$ 1,147,000.00	\$ 1,147,000.00
0221-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 287,000.00	\$ 287,000.00
0253-0106000A	TEMPORARY WORK ACCESS AND CONTAINMENT	1 LS	\$ 50,000.00	\$ 50,000.00
0280-0100000A	EROSION CONTROL	1 LS	\$ 57,000.00	\$ 57,000.00
PART 00300 - ROADWORK				\$ 233,000.00
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 86,000.00	\$ 86,000.00
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 57,000.00	\$ 57,000.00
0330-0105000K	GENERAL EXCAVATION	1,800 CUYD	\$ 50.00	\$ 90,000.00
PART 00400 - DRAINAGE AND SEWERS				\$ 274,800.00
0405-0100000K	ROCK EXCAVATION	550 CUYD	\$ 210.00	\$ 115,500.00
0405-0000000A	UTILITY CONFLICT RESOLUTION	1 LS	\$ 50,000.00	\$ 50,000.00
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH	140 FOOT	\$ 200.00	\$ 28,000.00
0470-0101000E	CONCRETE STORM SEWER MANHOLES	1 EACH	\$ 6,000.00	\$ 6,000.00
0470-0315000E	CONCRETE INLETS, TYPE G-2	5 EACH	\$ 4,500.00	\$ 22,500.00
0470-0000000A	ALLOWANCE FOR STORM WATER FACILITIES	1 LS	\$ 50,000.00	\$ 50,000.00
0490-0104000E	CONNECTION TO EXISTING STRUCTURES	2 EACH	\$ 1,400.00	\$ 2,800.00
PART 00500 - BRIDGES				\$ 7,841,900.00
0510-0101000A	STRUCTURE EXCAVATION	500 CUYD	\$ 100.00	\$ 50,000.00
0515-0100000A	FURNISH MICROPILE EQUIPMENT	0 EACH	\$ 100,000.00	\$ -
0515-0110000E	MICROPILES	0 EACH	\$ 15,000.00	\$ -
0515-0120000E	MICROPILE VERIFICATION LOAD TEST	0 EACH	\$ 20,000.00	\$ -
0515-0130000E	MICROPILE PROOF LOAD TEST	0 EACH	\$ 5,000.00	\$ -
0530-0104000A	REINFORCEMENT, GRADE 60	500,000 LBS	\$ 2.50	\$ 1,250,000.00
0540-0102000A	FOUNDATION CONCRETE, CLASS 4000	600 CUYD	\$ 950.00	\$ 570,000.00
0540-0205000K	DECK CONCRETE, CLASS 4000	280 CUYD	\$ 2,000.00	\$ 560,000.00
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000	700 CUYD	\$ 1,200.00	\$ 840,000.00
0543-0100000J	ELEVATORS	0 EACH	\$ 1,000,000.00	\$ -
0560-9Z900000	STRUCTURAL STEEL (ARCH CHORDS)	0 LBS	\$ 9.10	\$ -
0560-9Z900000	STRUCTURAL STEEL (DECK CHORDS)	0 LBS	\$ 8.60	\$ -
0560-9Z900000	STRUCTURAL STEEL	386,000 LBS	\$ 9.15	\$ 3,531,900.00
0560-9Z900000	STRUCTURAL STEEL (TIE RODS)	0 LBS	\$ 20.00	\$ -
0560-9Z900000	STRUCTURAL STEEL (STRUTS, CONNECTIONS, BEAMS, MISC)	0 LBS	\$ 7.50	\$ -
0560-9Z900000	METAL DECKING, 2"	25,000 LBS	\$ 4.00	\$ 100,000.00
0582-0010000E	BEARING DEVICES, _____	8 EACH	\$ 3,000.00	\$ 24,000.00
0585-02XX100A	TYPE "____" PREFORMED COMPRESSION JOINT SEAL	8 EACH	\$ 2,000.00	\$ 16,000.00
0587-0127000A	PEDESTRIAN RAIL, ON STRUCTURES AND STAIRS	0 FEET	\$ 600.00	\$ -
0587-0134000A	PROTECTIVE FENCING	1,100 FEET	\$ 600.00	\$ 660,000.00
0587-0127000A	PEDESTRIAN RAIL, ON CIP RETAINING WALL	600 FEET	\$ 400.00	\$ 240,000.00
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	0 SF	\$ 200.00	\$ -
PART 00600 - BASES				\$ 105,000.00
0641-0102000M	AGGREGATE BASE	2,100 TON	\$ 50.00	\$ 105,000.00
PART 00700 - WEARING SURFACES				\$ 420,650.00
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	940 TON	\$ 200.00	\$ 188,000.00
0759-0110000F	CONCRETE CURBS, STANDARD CURB	1,290 FOOT	\$ 60.00	\$ 77,400.00
0759-0126000J	CONCRETE DRIVEWAYS	0 SQFT	\$ 15.00	\$ -
0759-0128000J	CONCRETE WALKS	10,350 SQFT	\$ 15.00	\$ 155,250.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES				\$ 10,000.00
0820-0127000F	CONCRETE BARRIER, TALL	0 FOOT	\$ 300.00	\$ -
0870-0000000A	ALLOWANCE FOR STRIPING	1 LS	\$ 10,000.00	\$ 10,000.00



Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 1)
 Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

Submitted 9/13/2022

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS				\$ 810,000.00
0945-0000000A	ALLOWANCE FOR WAYFINDING SIGNS AND SUPPORTS	1 LS	\$ 10,000.00	\$ 10,000.00
0945-0000000A	ALLOWANCE FOR RELOCATING CUSTOM SIGNS (WEST SIDE)	0 EACH	\$ 5,000.00	\$ -
0975-0000000A	ALLOWANCE FOR PATHWAY LIGHTING SYSTEM	1 LS	\$ 300,000.00	\$ 300,000.00
0975-0000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1 LS	\$ 500,000.00	\$ 500,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL				\$ 120,000.00
1040-0000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1 LS	\$ 95,000.00	\$ 95,000.00
1040-0000000A	ALLOWANCE FOR STREET TREES	1 LS	\$ 25,000.00	\$ 25,000.00
PART 01100 - WATER SUPPLY SYSTEMS				\$ 110,000.00
1140-0500000F	8 INCH DUCTILE IRON PIPE INCLUDING LATERALS	500 FOOT	\$ 200.00	\$ 100,000.00
1160-0102000E	MOVING EXISTING HYDRANTS	2 EACH	\$ 5,000.00	\$ 10,000.00
			CONSTRUCTION SUBTOTAL	\$ 11,466,350.00
			CONTINGENCY (40.0%)	\$ 4,586,500.00
			CONSTRUCTION TOTAL	\$ 16,052,850.00
			ESCALATION (0.0 YEARS)	
			ESCALATION PERCENTAGE (0.0 %)	\$ -
			CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION	\$ 16,052,850.00
ANTICIPATED ITEMS				\$ 200,000.00
0000-00000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1 LS	\$ -	\$ -
0000-00000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1 LS	\$ -	\$ -
9400-0010300A	OTHER RAILROAD COSTS	1 LS	\$ 200,000.00	\$ 200,000.00
SOFT COSTS - PROJECT DESIGN				\$ 3,051,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1 LS	\$ 1,927,000.00	\$ 1,927,000.00
	CA/CEI (7% OF CONSTRUCTION)	1 LS	\$ 1,124,000.00	\$ 1,124,000.00
SOFT COSTS - PERMIT FEES				\$ 403,000.00
	ODOT (2% of Construction)	1 LS	\$ 322,000.00	\$ 322,000.00
	RR Impacts (0.5% of Construction)	1 LS	\$ 81,000.00	\$ 81,000.00
			ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL	\$ 3,654,000.00
			TOTAL PROJECT COST	\$ 19,706,850.00
Notes:				
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction				
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2022 dated July 7, 2022.				
3. Agency administration costs are not included in this estimate.				



**Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 2)**

Submitted 9/13/2022

Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES				\$ 1,637,000.00
0210-010000A	MOBILIZATION	1 LS	\$ 1,221,000.00	\$ 1,221,000.00
0221-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 305,000.00	\$ 305,000.00
0253-0106000A	TEMPORARY WORK ACCESS AND CONTAINMENT	1 LS	\$ 50,000.00	\$ 50,000.00
0280-0100000A	EROSION CONTROL	1 LS	\$ 61,000.00	\$ 61,000.00
PART 00300 - ROADWORK				\$ 243,000.00
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 92,000.00	\$ 92,000.00
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 61,000.00	\$ 61,000.00
0330-0105000K	GENERAL EXCAVATION	1,800 CUYD	\$ 50.00	\$ 90,000.00
PART 00400 - DRAINAGE AND SEWERS				\$ 246,030.00
0405-0100000K	ROCK EXCAVATION	413 CUYD	\$ 210.00	\$ 86,730.00
0405-0000000A	UTILITY CONFLICT RESOLUTION	1 LS	\$ 50,000.00	\$ 50,000.00
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH	140 FOOT	\$ 200.00	\$ 28,000.00
0470-0101000E	CONCRETE STORM SEWER MANHOLES	1 EACH	\$ 6,000.00	\$ 6,000.00
0470-0315000E	CONCRETE INLETS, TYPE G-2	5 EACH	\$ 4,500.00	\$ 22,500.00
0470-0000000A	ALLOWANCE FOR STORM WATER FACILITIES	1 LS	\$ 50,000.00	\$ 50,000.00
0490-0104000E	CONNECTION TO EXISTING STRUCTURES	2 EACH	\$ 1,400.00	\$ 2,800.00
PART 00500 - BRIDGES				\$ 8,521,350.00
0510-0101000A	STRUCTURE EXCAVATION	1,000 CUYD	\$ 100.00	\$ 100,000.00
0515-0100000A	FURNISH MICROPILE EQUIPMENT	1 EACH	\$ 100,000.00	\$ 100,000.00
0515-0110000E	MICROPILES	18 EACH	\$ 15,000.00	\$ 270,000.00
0515-0120000E	MICROPILE VERIFICATION LOAD TEST	2 EACH	\$ 20,000.00	\$ 40,000.00
0515-0130000E	MICROPILE PROOF LOAD TEST	2 EACH	\$ 5,000.00	\$ 10,000.00
0530-0104000A	REINFORCEMENT, GRADE 60	223,400 LBS	\$ 2.50	\$ 558,500.00
0540-0102000A	FOUNDATION CONCRETE, CLASS 4000	363 CUYD	\$ 950.00	\$ 344,850.00
0540-0205000K	DECK CONCRETE, CLASS 4000	383 CUYD	\$ 2,000.00	\$ 766,000.00
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000	90 CUYD	\$ 1,000.00	\$ 90,000.00
0543-0100000J	ELEVATORS	0 EACH	\$ 1,000,000.00	\$ -
0560-9Z900000	STRUCTURAL STEEL (ARCH CHORDS)	220,000 LBS	\$ 9.10	\$ 2,002,000.00
0560-9Z900000	STRUCTURAL STEEL (DECK CHORDS)	0 LBS	\$ 8.60	\$ -
0560-9Z900000	STRUCTURAL STEEL	0 LBS	\$ 9.15	\$ -
0560-9Z900000	STRUCTURAL STEEL (TIE RODS)	0 LBS	\$ 20.00	\$ -
0560-9Z900000	STRUCTURAL STEEL (STRUTS, CONNECTIONS, BEAMS, MISC)	320,000 LBS	\$ 7.50	\$ 2,400,000.00
0560-9Z900000	METAL DECKING, 2"	50,000 LBS	\$ 4.00	\$ 200,000.00
0582-0010000E	BEARING DEVICES, _____	4 EACH	\$ 3,000.00	\$ 12,000.00
0585-02XX100A	TYPE "___" PREFORMED COMPRESSION JOINT SEAL	8 EACH	\$ 2,000.00	\$ 16,000.00
0587-0127000A	PEDESTRIAN RAIL, ON STRUCTURES AND STAIRS	1,800 FEET	\$ 600.00	\$ 1,080,000.00
0587-0134000A	PROTECTIVE FENCING	460 FEET	\$ 600.00	\$ 276,000.00
0587-0127000A	PEDESTRIAN RAIL, ON CIP RETAINING WALL	640 FEET	\$ 400.00	\$ 256,000.00
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	0 SF	\$ 200.00	\$ -
PART 00600 - BASES				\$ 105,000.00
0641-0102000M	AGGREGATE BASE	2,100 TON	\$ 50.00	\$ 105,000.00
PART 00700 - WEARING SURFACES				\$ 410,650.00
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	920 TON	\$ 200.00	\$ 184,000.00
0759-0110000F	CONCRETE CURBS, STANDARD CURB	1,290 FOOT	\$ 60.00	\$ 77,400.00
0759-0126000J	CONCRETE DRIVEWAYS	0 SQFT	\$ 15.00	\$ -
0759-0128000J	CONCRETE WALKS	9,950 SQFT	\$ 15.00	\$ 149,250.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES				\$ 10,000.00
0820-0127000F	CONCRETE BARRIER, TALL	0 FOOT	\$ 300.00	\$ -
0870-0000000A	ALLOWANCE FOR STRIPING	1 LS	\$ 10,000.00	\$ 10,000.00



**Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 2)**

Submitted 9/13/2022

Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS				\$ 810,000.00
0945-000000A	ALLOWANCE FOR WAYFINDING SIGNS AND SUPPORTS	1	LS \$ 10,000.00	\$ 10,000.00
0945-000000A	ALLOWANCE FOR RELOCATING CUSTOM SIGNS (WEST SIDE)	0	EACH \$ 5,000.00	\$ -
0975-000000A	ALLOWANCE FOR PATHWAY LIGHTING SYSTEM	1	LS \$ 300,000.00	\$ 300,000.00
0975-000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1	LS \$ 500,000.00	\$ 500,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL				\$ 120,000.00
1040-000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1	LS \$ 95,000.00	\$ 95,000.00
1040-000000A	ALLOWANCE FOR STREET TREES	1	LS \$ 25,000.00	\$ 25,000.00
PART 01100 - WATER SUPPLY SYSTEMS				\$ 110,000.00
1140-050000F	8 INCH DUCTILE IRON PIPE INCLUDING LATERALS	500	FOOT \$ 200.00	\$ 100,000.00
1160-010200E	MOVING EXISTING HYDRANTS	2	EACH \$ 5,000.00	\$ 10,000.00
			CONSTRUCTION SUBTOTAL	\$ 12,213,030.00
			CONTINGENCY (40.0%)	\$ 4,885,200.00
			CONSTRUCTION TOTAL	\$ 17,098,230.00
			ESCALATION (0.0 YEARS)	
			ESCALATION PERCENTAGE (0.0 %)	\$ -
			CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION	\$ 17,098,230.00
ANTICIPATED ITEMS				\$ 200,000.00
0000-0000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1	LS \$ -	\$ -
0000-0000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1	LS \$ -	\$ -
9400-0010300A	OTHER RAILROAD COSTS	1	LS \$ 200,000.00	\$ 200,000.00
SOFT COSTS - PROJECT DESIGN				\$ 3,249,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS \$ 2,052,000.00	\$ 2,052,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS \$ 1,197,000.00	\$ 1,197,000.00
SOFT COSTS - PERMIT FEES				\$ 428,000.00
	ODOT (2% of Construction)	1	LS \$ 342,000.00	\$ 342,000.00
	RR Impacts (0.5% of Construction)	1	LS \$ 86,000.00	\$ 86,000.00
			ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL	\$ 3,877,000.00
			TOTAL PROJECT COST	\$ 20,975,230.00
Notes:				
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction				
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2022 dated July 7, 2022.				
3. Agency administration costs are not included in this estimate.				



**Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 3)**

Submitted 9/13/2022

Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES				\$ 1,476,000.00
0210-010000A	MOBILIZATION	1 LS	\$ 1,097,000.00	\$ 1,097,000.00
0221-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE	1 LS	\$ 274,000.00	\$ 274,000.00
0253-0106000A	TEMPORARY WORK ACCESS AND CONTAINMENT	1 LS	\$ 50,000.00	\$ 50,000.00
0280-0100000A	EROSION CONTROL	1 LS	\$ 55,000.00	\$ 55,000.00
PART 00300 - ROADWORK				\$ 227,000.00
0305-0100000A	CONSTRUCTION SURVEY WORK	1 LS	\$ 82,000.00	\$ 82,000.00
0310-0106000A	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1 LS	\$ 55,000.00	\$ 55,000.00
0330-0105000K	GENERAL EXCAVATION	1,800 CUYD	\$ 50.00	\$ 90,000.00
PART 00400 - DRAINAGE AND SEWERS				\$ 312,300.00
0405-0100000K	ROCK EXCAVATION	650 CUYD	\$ 210.00	\$ 136,500.00
0405-0000000A	UTILITY CONFLICT RESOLUTION	1 LS	\$ 50,000.00	\$ 50,000.00
0445-035012AF	12 INCH STORM SEWER PIPE, 5 FT DEPTH	170 FOOT	\$ 200.00	\$ 34,000.00
0470-0101000E	CONCRETE STORM SEWER MANHOLES	2 EACH	\$ 6,000.00	\$ 12,000.00
0470-0315000E	CONCRETE INLETS, TYPE G-2	6 EACH	\$ 4,500.00	\$ 27,000.00
0470-0000000A	ALLOWANCE FOR STORM WATER FACILITIES	1 LS	\$ 50,000.00	\$ 50,000.00
0490-0104000E	CONNECTION TO EXISTING STRUCTURES	2 EACH	\$ 1,400.00	\$ 2,800.00
PART 00500 - BRIDGES				\$ 7,431,200.00
0510-0101000A	STRUCTURE EXCAVATION	1,000 CUYD	\$ 100.00	\$ 100,000.00
0515-0100000A	FURNISH MICROPILE EQUIPMENT	1 EACH	\$ 100,000.00	\$ 100,000.00
0515-0110000E	MICROPILES	18 EACH	\$ 15,000.00	\$ 270,000.00
0515-0120000E	MICROPILE VERIFICATION LOAD TEST	2 EACH	\$ 20,000.00	\$ 40,000.00
0515-0130000E	MICROPILE PROOF LOAD TEST	2 EACH	\$ 5,000.00	\$ 10,000.00
0530-0104000A	REINFORCEMENT, GRADE 60	417,400 LBS	\$ 2.50	\$ 1,043,500.00
0540-0102000A	FOUNDATION CONCRETE, CLASS 4000	926 CUYD	\$ 950.00	\$ 879,700.00
0540-0205000K	DECK CONCRETE, CLASS 4000	74 CUYD	\$ 2,000.00	\$ 148,000.00
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000	434 CUYD	\$ 1,000.00	\$ 434,000.00
0543-0100000J	ELEVATORS	2 EACH	\$ 1,000,000.00	\$ 2,000,000.00
0560-9Z900000	STRUCTURAL STEEL (ARCH CHORDS)	0 LBS	\$ 9.10	\$ -
0560-9Z900000	STRUCTURAL STEEL (DECK CHORDS)	120,000 LBS	\$ 8.60	\$ 1,032,000.00
0560-9Z900000	STRUCTURAL STEEL	0 LBS	\$ 9.15	\$ -
0560-9Z900000	STRUCTURAL STEEL (TIE RODS)	8,000 LBS	\$ 20.00	\$ 160,000.00
0560-9Z900000	STRUCTURAL STEEL (STRUTS, CONNECTIONS, BEAMS, MISC)	96,000 LBS	\$ 7.50	\$ 720,000.00
0560-9Z900000	METAL DECKING, 2"	12,000 LBS	\$ 4.00	\$ 48,000.00
0582-0010000E	BEARING DEVICES, _____	0 EACH	\$ 3,000.00	\$ -
0585-02XX100A	TYPE "____" PREFORMED COMPRESSION JOINT SEAL	0 EACH	\$ 2,000.00	\$ -
0587-0127000A	PEDESTRIAN RAIL, ON STRUCTURES AND STAIRS	200 FEET	\$ 600.00	\$ 120,000.00
0587-0134000A	PROTECTIVE FENCING	470 FEET	\$ 600.00	\$ 282,000.00
0587-0127000A	PEDESTRIAN RAIL, ON CIP RETAINING WALL	0 FEET	\$ 400.00	\$ -
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	220 SF	\$ 200.00	\$ 44,000.00
PART 00600 - BASES				\$ 95,000.00
0641-0102000M	AGGREGATE BASE	1,900 TON	\$ 50.00	\$ 95,000.00
PART 00700 - WEARING SURFACES				\$ 440,300.00
0744-0302000M	LEVEL 3, 1/2 INCH ACP MIXTURE	790 TON	\$ 200.00	\$ 158,000.00
0759-0110000F	CONCRETE CURBS, STANDARD CURB	960 FOOT	\$ 60.00	\$ 57,600.00
0759-0126000J	CONCRETE DRIVEWAYS	240 SQFT	\$ 15.00	\$ 3,600.00
0759-0128000J	CONCRETE WALKS	14,740 SQFT	\$ 15.00	\$ 221,100.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES				\$ 25,900.00
0820-0127000F	CONCRETE BARRIER, TALL	53 FOOT	\$ 300.00	\$ 15,900.00
0870-0000000A	ALLOWANCE FOR STRIPING	1 LS	\$ 10,000.00	\$ 10,000.00



**Conceptual Cost Estimates
(NW HAWTHORNE AVENUE - ALTERNATIVE 3)**

Submitted 9/13/2022

Midtown Pedestrian and Bicycle Crossings Feasibility Study | City of Bend

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS				\$ 710,000.00
0945-000000A	ALLOWANCE FOR WAYFINDING SIGNS AND SUPPORTS	1	LS \$ 10,000.00	\$ 10,000.00
0945-000000A	ALLOWANCE FOR RELOCATING CUSTOM SIGNS (WEST SIDE)	0	EACH \$ 5,000.00	\$ -
0975-000000A	ALLOWANCE FOR PATHWAY LIGHTING SYSTEM	1	LS \$ 200,000.00	\$ 200,000.00
0975-000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1	LS \$ 500,000.00	\$ 500,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL				\$ 150,000.00
1040-000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1	LS \$ 120,000.00	\$ 120,000.00
1040-000000A	ALLOWANCE FOR STREET TREES	1	LS \$ 30,000.00	\$ 30,000.00
PART 01100 - WATER SUPPLY SYSTEMS				\$ 105,000.00
1140-050000F	8 INCH DUCTILE IRON PIPE INCLUDING LATERALS	500	FOOT \$ 200.00	\$ 100,000.00
1160-010200E	MOVING EXISTING HYDRANTS	1	EACH \$ 5,000.00	\$ 5,000.00
			CONSTRUCTION SUBTOTAL	\$ 10,972,700.00
			CONTINGENCY (40.0%)	\$ 4,389,100.00
			CONSTRUCTION TOTAL	\$ 15,361,800.00
			ESCALATION (0.0 YEARS)	
			ESCALATION PERCENTAGE (0.0 %)	\$ -
			CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION	\$ 15,361,800.00
ANTICIPATED ITEMS				\$ 200,000.00
0000-0000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1	LS \$ -	\$ -
0000-0000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1	LS \$ -	\$ -
9400-0010300A	OTHER RAILROAD COSTS	1	LS \$ 200,000.00	\$ 200,000.00
SOFT COSTS - PROJECT DESIGN				\$ 2,920,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS \$ 1,844,000.00	\$ 1,844,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS \$ 1,076,000.00	\$ 1,076,000.00
SOFT COSTS - PERMIT FEES				\$ 385,000.00
	ODOT (2% of Construction)	1	LS \$ 308,000.00	\$ 308,000.00
	RR Impacts (0.5% of Construction)	1	LS \$ 77,000.00	\$ 77,000.00
			ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL	\$ 3,505,000.00
			TOTAL PROJECT COST	\$ 18,866,800.00
Notes:				
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction				
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2022 dated July 7, 2022.				
3. Agency administration costs are not included in this estimate.				

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES					\$ 838,200.00
0210-010000A	MOBILIZATION (12%)	1	LS	\$ 362,400.00	\$ 362,400.00
0000-0000000	UTILITY CONFLICT RESOLUTION	1	LS	\$ 100,000.00	\$ 100,000.00
0221-0101000A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE (10%)	1	LS	\$ 302,000.00	\$ 302,000.00
0223-0170000E	RAILROAD FLAGGER SERVICES	24	DAY	\$ 1,200.00	\$ 28,800.00
0000-0000000	TEMPORARY ASPHALT PAVEMENT	0	TON	\$ -	\$ -
0240-0100000A	TEMPORARY DRAINAGE FACILITIES	1	LS	\$ 10,000.00	\$ 10,000.00
0280-0100000A	EROSION CONTROL	1	LS	\$ 35,000.00	\$ 35,000.00
PART 00300 - ROADWORK					\$ 203,600.00
0305-0100000A	CONSTRUCTION SURVEY WORK (2%)	1	LS	\$ 60,400.00	\$ 60,400.00
0310-0106000A	REMOVAL OF SURFACING AND OBSTRUCTIONS (1%)	1	LS	\$ 30,200.00	\$ 30,200.00
0320-0100000A	CLEARING AND GRUBBING	1	LS	\$ 1,000.00	\$ 1,000.00
0330-0105000K	GENERAL EXCAVATION	1,400	CUYD	\$ 80.00	\$ 112,000.00
PART 00500 - BRIDGES					\$ 2,232,500.00
0510-0101000A	STRUCTURE EXCAVATION	1	LS	\$ 135,000.00	\$ 135,000.00
0501-0100000A	BRIDGE REMOVAL WORK (US 97 BRIDGE)	0	SF	\$ -	\$ -
0501-0100000A	BRIDGE REMOVAL WORK (TEMPORARY WIDENING)	0	SF	\$ -	\$ -
0501-0100000A	BRIDGE REMOVAL WORK (RAISED MEDIAN AND SIDEWALK ON 97)	0	SF	\$ -	\$ -
0501-0100000A	BRIDGE REMOVAL WORK (RAIL BRIDGE)	0	SF	\$ -	\$ -
0510-0100000A	SHORING, CRIBBING, AND COFFERDAMS	0	SF	\$ -	\$ -
0530-0104000A	REINFORCEMENT, GRADE 60	0	LBS	\$ -	\$ -
0540-0102000A	FOUNDATION CONCRETE, CLASS 4000 (US 97 BRIDGE)	0	CUYD	\$ -	\$ -
0540-0102000A	FOUNDATION CONCRETE, CLASS 4000 (RAIL BRIDGE)	0	CUYD	\$ -	\$ -
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000 (US 97 BRIDGE)	0	CUYD	\$ -	\$ -
0540-0302000A	GENERAL STRUCTURAL CONCRETE, CLASS 4000 (RAIL BRIDGE)	0	CUYD	\$ -	\$ -
0545-0100100J	REINFORCED CONCRETE BRIDGE APPROACH SLABS	0	SQYD	\$ -	\$ -
0550-0139000F	30 INCH PRECAST PRESTRESSED SLABS	0	FOOT	\$ -	\$ -
0560-0108000A	STEEL ROLLED BEAM	0	LBS	\$ -	\$ -
0582-0010000E	BEARING DEVICES, _____	0	EACH	\$ -	\$ -
0587-0127000A	3-TUBE CURB MOUNT RAIL	0	FOOT	\$ -	\$ -
0587-0134000A	2-TUBE CURB MOUNT RAIL	0	FOOT	\$ -	\$ -
0587-0127000A	PEDESTRIAN RAIL	600	FOOT	\$ 400.00	\$ 240,000.00
0596-C003000A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	6,500	SQFT	\$ 175.00	\$ 1,137,500.00
0596-C003000A	RETAINING WALL, SOLDIER PILE-TYPE	2,400	SQFT	\$ 300.00	\$ 720,000.00
0592-0101000J	ROLLED WATERPROOF MEMBRANE	0	SQFT	\$ -	\$ -
PART 00600 - BASES					\$ 60,000.00
0641-0102000M	AGGREGATE BASE	1,500	TON	\$ 40.00	\$ 60,000.00
PART 00700 - WEARING SURFACES					\$ 174,200.00
0744-0100000M	8" OF LEVEL 4 ACP MIXTURE	1,200	TON	\$ 80.00	\$ 96,000.00
0759-0100000F	CONCRETE CURBS	50	FOOT	\$ 50.00	\$ 2,500.00
0759-0128000J	CONCRETE WALKS	5,400	SQFT	\$ 12.00	\$ 64,800.00
0759-0122000J	CONCRETE ISLANDS	0	SQFT	\$ -	\$ -
0759-0154100E	EXTRA FOR NEW CURB RAMPS	3	EACH	\$ 2,800.00	\$ 8,400.00
0759-0510000J	TRUNCATED DOMES ON NEW SURFACES	50	SQFT	\$ 50.00	\$ 2,500.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES					\$ 24,000.00
0810-00000001	GUARDRAIL (US97)	0	LF	\$ 160.00	\$ -
0870-0000000A	ALLOWANCE FOR STRIPING	1	LS	\$ 24,000.00	\$ 24,000.00
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS					\$ 260,400.00
0945-0000000A	ALLOWANCE FOR SIGNS AND SUPPORTS (1%)	1	LS	\$ 30,200.00	\$ 30,200.00
0975-0000000A	ALLOWANCE FOR LIGHTING (1%)	1	LS	\$ 30,200.00	\$ 30,200.00
0975-0000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1	LS	\$ 200,000.00	\$ 200,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL					\$ 64,000.00
1040-0000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1	LS	\$ 52,000.00	\$ 52,000.00
1040-0000000A	ALLOWANCE FOR STREET TREES	1	LS	\$ 12,000.00	\$ 12,000.00
PART 01100 - WATER SUPPLY SYSTEMS					\$ 37,400.00
1140-0500000F	DUCTILE IRON PIPE WITH RESTRAINED JOINTS AND CLASS A BACKFILL	170	FOOT	\$ 220.00	\$ 37,400.00
1160-0102000E	MOVING EXISTING HYDRANTS	0	EACH	\$ -	\$ -

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
1170-0105000E	RECONNECTING EXISTING WATER SERVICES, 1 INCH	0	EACH	\$ -	\$ -
1170-0111000E	RELOCATE _____ INCH WATER METER ASSEMBLY	0	EACH	\$ -	\$ -
		CONSTRUCTION SUBTOTAL			\$ 3,894,300.00
		CONTINGENCY (40.0%)			\$ 1,557,700.00
		CONSTRUCTION TOTAL			\$ 5,452,000.00
		ESCALATION (2.0 YEARS)			
		ESCALATION PERCENTAGE (0.0 %)			
		CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION			\$ 5,452,000.00
ANTICIPATED ITEMS					\$ 200,000.00
9400-0010300A	RAILROAD COSTS	1	LS	\$ 200,000.00	\$ 200,000.00
0000-00000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1	LS	\$ -	\$ -
0000-00000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1	LS	\$ -	\$ -
SOFT COSTS - PROJECT DESIGN					\$ 1,037,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS	\$ 655,000.00	\$ 655,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS	\$ 382,000.00	\$ 382,000.00
SOFT COSTS - PERMIT FEES					\$ 110,000.00
	ODOT (2% of Construction)	1	LS	\$ 110,000.00	\$ 110,000.00
ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL					\$ 1,347,000.00
				TOTAL PROJECT COST	\$ 6,799,000.00
RELATED CIP PROJECTS					\$ 1,750,000.00
	Stormwater Improvements from 2023-2027 CIP	1	LS	\$ 1,750,000.00	\$ 1,750,000.00
Notes:					
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction.					
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2021 dated March 3, 2022 and data collected from local projects.					
3. Agency administration costs are not included in this estimate.					
4. Allowance for stormwater improvements, based on City of Bend estimates from 2023-2027 CIP.					

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY	UNIT PRICE	ITEM COST
PART 00200 - TEMPORARY FEATURES AND APPURTENANCES				\$ 5,304,550.00
0210-010000A	MOBILIZATION (12%)	1 LS	\$ 2,123,500.00	\$ 2,123,500.00
0000-0000000	UTILITY CONFLICT RESOLUTION	1 LS	\$ 100,000.00	\$ 100,000.00
0221-010100A	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE (15%)	1 LS	\$ 2,654,300.00	\$ 2,654,300.00
0223-017000E	RAILROAD FLAGGER SERVICES	300 DAY	\$ 1,200.00	\$ 360,000.00
0000-0000000	TEMPORARY ASPHALT PAVEMENT	45 TON	\$ 150.00	\$ 6,750.00
0240-010000A	TEMPORARY DRAINAGE FACILITIES	1 LS	\$ 10,000.00	\$ 10,000.00
0280-010000A	EROSION CONTROL	1 LS	\$ 50,000.00	\$ 50,000.00
PART 00300 - ROADWORK				\$ 844,000.00
0305-010000A	CONSTRUCTION SURVEY WORK (2%)	1 LS	\$ 354,000.00	\$ 354,000.00
0310-010600A	REMOVAL OF SURFACING AND OBSTRUCTIONS (1%)	1 LS	\$ 177,000.00	\$ 177,000.00
0320-010000A	CLEARING AND GRUBBING	1 LS	\$ 1,000.00	\$ 1,000.00
0330-010500K	GENERAL EXCAVATION	3,900 CUYD	\$ 80.00	\$ 312,000.00
PART 00500 - BRIDGES				\$ 15,280,080.00
0510-010100A	STRUCTURE EXCAVATION	1 LS	\$ 350,000.00	\$ 350,000.00
0501-010000A	BRIDGE REMOVAL WORK (US 97 BRIDGE)	4,180 SF	\$ 100.00	\$ 418,000.00
0501-010000A	BRIDGE REMOVAL WORK (TEMPORARY WIDENING)	340 SF	\$ 50.00	\$ 17,000.00
0501-010000A	BRIDGE REMOVAL WORK (RAISED MEDIAN AND SIDEWALK ON 97)	1,280 SF	\$ 50.00	\$ 64,000.00
0501-010000A	BRIDGE REMOVAL WORK (RAIL BRIDGE)	2,900 SF	\$ 120.00	\$ 348,000.00
0510-010000A	SHORING, CRIBBING, AND COFFERDAMS	5,360 SF	\$ 300.00	\$ 1,608,000.00
0530-010400A	REINFORCEMENT, GRADE 60	171,000 LBS	\$ 2.50	\$ 427,500.00
0540-010200A	FOUNDATION CONCRETE, CLASS 4000 (US 97 BRIDGE)	115 CUYD	\$ 1,560.00	\$ 179,400.00
0540-010200A	FOUNDATION CONCRETE, CLASS 4000 (RAIL BRIDGE)	60 CUYD	\$ 1,600.00	\$ 96,000.00
0540-030200A	GENERAL STRUCTURAL CONCRETE, CLASS 4000 (US 97 BRIDGE)	212 CUYD	\$ 2,500.00	\$ 530,000.00
0540-030200A	GENERAL STRUCTURAL CONCRETE, CLASS 4000 (RAIL BRIDGE)	350 CUYD	\$ 3,000.00	\$ 1,050,000.00
0545-010010J	REINFORCED CONCRETE BRIDGE APPROACH SLABS	429 SQYD	\$ 600.00	\$ 257,400.00
0550-013900F	30 INCH PRECAST PRESTRESSED SLABS	1,668 FOOT	\$ 925.00	\$ 1,542,900.00
0560-010800A	STEEL ROLLED BEAM	830,000 LBS	\$ 5.00	\$ 4,150,000.00
0582-001000E	BEARING DEVICES, _____	96 EACH	\$ 500.00	\$ 48,000.00
0587-012700A	3-TUBE CURB MOUNT RAIL	70 FOOT	\$ 300.00	\$ 21,000.00
0587-013400A	2-TUBE CURB MOUNT RAIL	70 FOOT	\$ 280.00	\$ 19,600.00
0587-012700A	PEDESTRIAN RAIL	1,270 FOOT	\$ 400.00	\$ 508,000.00
0596-C00300A	RETAINING WALL, CAST-IN-PLACE CONCRETE SEMI-GRAVITY CANTILEVER	17,800 SQFT	\$ 200.00	\$ 3,560,000.00
0596-C00300A	RETAINING WALL, SOLDIER PILE-TYPE	0 SQFT	\$ -	\$ -
0592-010100J	ROLLED WATERPROOF MEMBRANE	10,660 SQFT	\$ 8.00	\$ 85,280.00
PART 00600 - BASES				\$ 92,000.00
0641-010200M	AGGREGATE BASE	2,300 TON	\$ 40.00	\$ 92,000.00
PART 00700 - WEARING SURFACES				\$ 675,000.00
0744-010000M	8" OF LEVEL 4 ACP MIXTURE	1,500 TON	\$ 80.00	\$ 120,000.00
0759-010000F	CONCRETE CURBS	2,200 FOOT	\$ 50.00	\$ 110,000.00
0759-012800J	CONCRETE WALKS	33,700 SQFT	\$ 12.00	\$ 404,400.00
0759-012200J	CONCRETE ISLANDS	1,500 SQFT	\$ 10.00	\$ 15,000.00
0759-015410E	EXTRA FOR NEW CURB RAMPS	7 EACH	\$ 2,800.00	\$ 19,600.00
0759-051000J	TRUNCATED DOMES ON NEW SURFACES	120 SQFT	\$ 50.00	\$ 6,000.00
PART 00800 - PERMANENT TRAFFIC SAFETY AND GUIDANCE DEVICES				\$ 88,500.00
0810-0000001	GUARDRAIL (US97)	230 LF	\$ 160.00	\$ 36,800.00
0870-000000A	ALLOWANCE FOR STRIPING	1 LS	\$ 88,500.00	\$ 88,500.00
PART 00900 - PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS				\$ 621,300.00
0945-000000A	ALLOWANCE FOR SIGNS AND SUPPORTS	1 LS	\$ 44,300.00	\$ 44,300.00
0975-000000A	ALLOWANCE FOR LIGHTING (1%)	1 LS	\$ 177,000.00	\$ 177,000.00
0975-000000A	ALLOWANCE FOR ARCHITECTURAL LIGHTING SYSTEM	1 LS	\$ 400,000.00	\$ 400,000.00
PART 01000 - RIGHT OF WAY DEVELOPMENT AND CONTROL				\$ 128,400.00
1040-000000A	ALLOWANCE FOR LANDSCAPING AND IRRIGATION	1 LS	\$ 122,400.00	\$ 122,400.00
1040-000000A	ALLOWANCE FOR STREET TREES	1 LS	\$ 6,000.00	\$ 6,000.00
PART 01100 - WATER SUPPLY SYSTEMS				\$ 293,300.00
1140-050000F	DUCTILE IRON PIPE WITH RESTRAINED JOINTS AND CLASS A BACKFILL	1,230 FOOT	\$ 220.00	\$ 270,600.00
1160-010200E	MOVING EXISTING HYDRANTS	1 EACH	\$ 2,000.00	\$ 2,000.00

ITEM NUMBER	ITEM DESCRIPTION	QUANTITY		UNIT PRICE	ITEM COST
1170-0105000E	RECONNECTING EXISTING WATER SERVICES, 1 INCH	9	EACH	\$ 300.00	\$ 2,700.00
1170-0111000E	RELOCATE _____ INCH WATER METER ASSEMBLY	9	EACH	\$ 2,000.00	\$ 18,000.00
		CONSTRUCTION SUBTOTAL			\$ 23,363,930.00
		CONTINGENCY (40.0%)			\$ 9,345,600.00
		CONSTRUCTION TOTAL			\$ 32,709,530.00
		ESCALATION (2.0 YEARS)			
		ESCALATION PERCENTAGE (0.0 %) \$ -			
		CONSTRUCTION ESTIMATE TOTAL WITH ESCALATION			\$ 32,709,530.00
ANTICIPATED ITEMS					\$ 7,300,000.00
9400-0010300A	RAILROAD COSTS (40% CONTINGENCY APPLIED)	1	LS	\$ 6,300,000.00	\$ 6,300,000.00
0000-00000000	ALLOWANCE FOR UTILITY REIMBURSEMENT	1	LS	\$ 1,000,000.00	\$ 1,000,000.00
0000-00000000	ALLOWANCE FOR RIGHT OF WAY ACQUISITION (To be Determined)	1	LS	\$ -	\$ -
SOFT COSTS - PROJECT DESIGN					\$ 6,216,000.00
	ENGINEERING & PERMITTING (12% OF CONSTRUCTION)	1	LS	\$ 3,926,000.00	\$ 3,926,000.00
	CA/CEI (7% OF CONSTRUCTION)	1	LS	\$ 2,290,000.00	\$ 2,290,000.00
SOFT COSTS - PERMIT FEES					\$ 655,000.00
	ODOT (2% of Construction)	1	LS	\$ 655,000.00	\$ 655,000.00
		ANTICIPATED ITEMS AND SOFT COSTS SUBTOTAL			\$ 14,171,000.00
		TOTAL PROJECT COST			\$ 46,880,530.00
RELATED CIP PROJECTS					\$ 1,750,000.00
	Stormwater Improvements from 2023-2027 CIP	1	LS	\$ 1,750,000.00	\$ 1,750,000.00
Notes:					
1. Estimate based on standard measurement and payment practices as specified in the 2021 Oregon Standard Specifications for Construction.					
2. Unit prices based on ODOT Weighted Average Item Prices - Calendar Year 2021 dated March 3, 2022 and data collected from local projects.					
3. Agency administration costs are not included in this estimate.					
4. Allowance for stormwater improvements, based on City of Bend estimates from 2023-2027 CIP.					