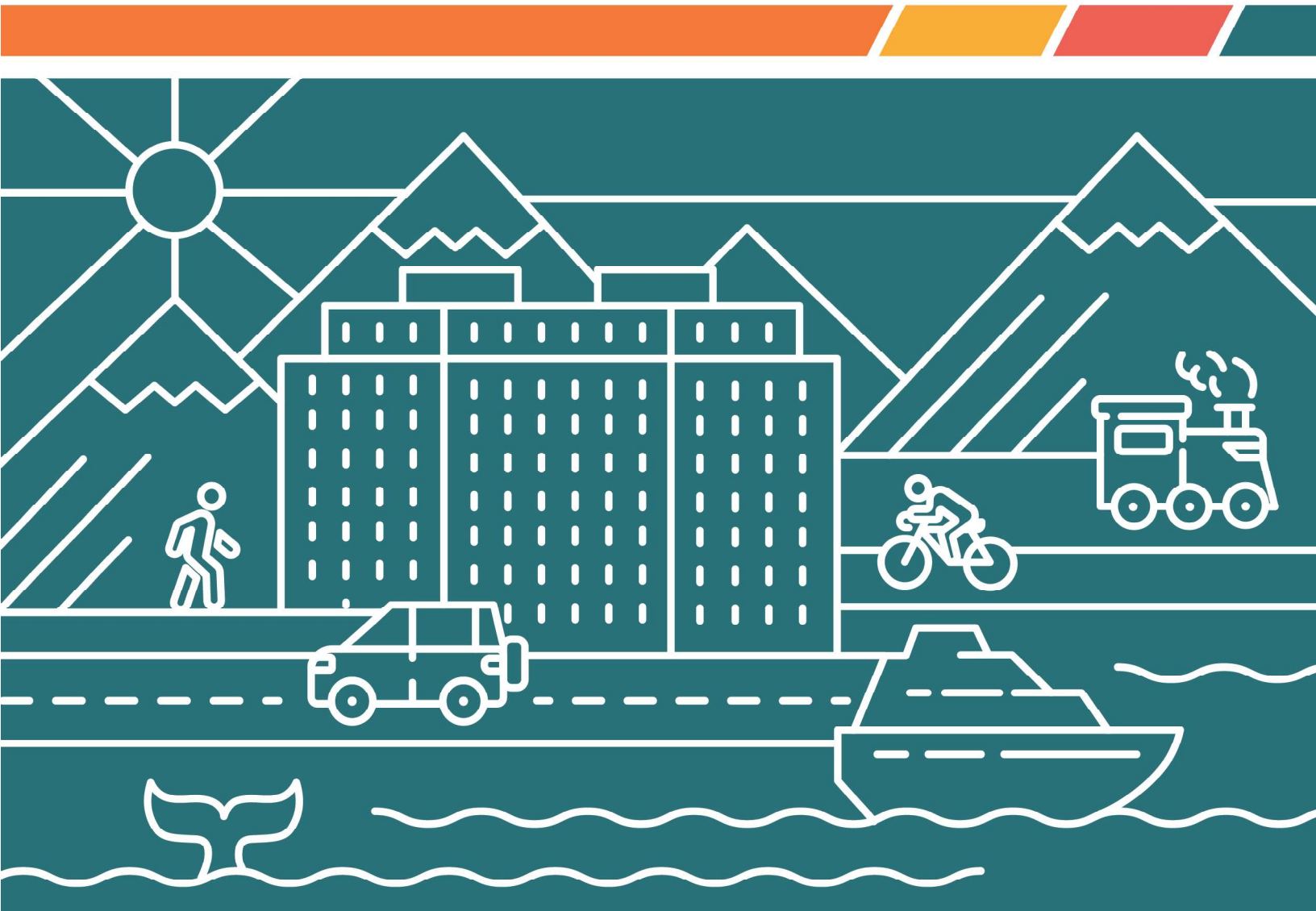


Appendix D:

Whittier Moves Design Concepts and Planning Level Cost Estimates



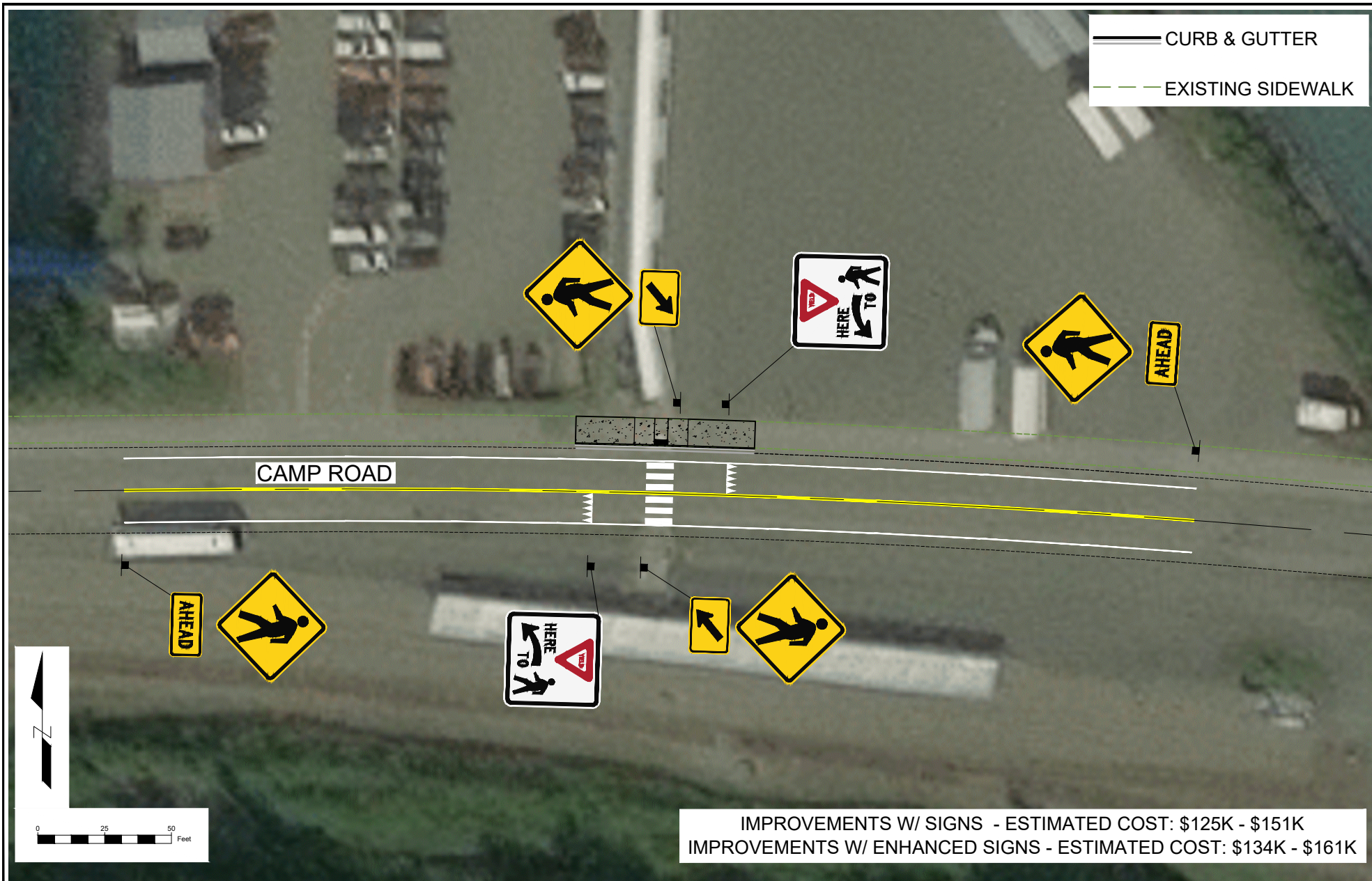


HEAD OF THE BAY TERMINAL ROAD

PROJECT	63959.01
DATE	JUNE 2026

HEAD OF THE BAY TERMINAL ROAD					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.2	\$ 40,000.00	\$ 8,000.00
202.0002.0000	REMOVAL OF PAVEMENT	SY	1,950.0	\$ 20.00	\$ 39,000.00
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	7,450	\$ 25.00	\$ 186,250.00
203.0006.000A	BORROW, TYPE A	TON	13,100	\$ 60.00	\$ 786,000.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	640	\$ 45.00	\$ 28,800.00
306.0001.0000	ATB	TON	1,350	\$ 135.00	\$ 182,250.00
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	3	\$ 1,100.00	\$ 2,970.00
408.2001.00VH	HMA, TYPE VH	TON	900	\$ 300.00	\$ 270,000.00
615.0001.0000	STANDARD SIGN	SF	42	\$ 175.00	\$ 7,350.00
618.0001.0000	SEEDING	ACRE	0.2	\$ 7,500.00	\$ 1,500.00
620.0001.0000	TOPSOIL	SY	950	\$ 10.00	\$ 9,500.00
639.2000.0000	APPROACH	EACH	3	\$ 3,500.00	\$ 10,500.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	8,050	\$ 5.00	\$ 40,250.00
PAY ITEMS SUBTOTAL					\$ 1,572,370.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 158,000.00	\$ 158,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 48,000.00	\$ 48,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 16,000.00	\$ 16,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 32,000.00	\$ 32,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 32,000.00	\$ 32,000.00
30% CONTINGENCY					\$ 557,511.00
PAY ITEMS TOTAL					\$ 2,415,881.00
PERMITTING COST					\$ -
DESIGN COST					\$ 483,176.20
2026 ESTIMATE TOTAL					\$ 2,899,057.20
2027 ESCALATION					\$ 2,994,726.09
2032 ESCALATION					\$ 3,488,855.89

PRINCE WILLIAM SOUND WAY					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.1	\$ 40,000.00	\$ 4,000.00
202.0002.0000	REMOVAL OF PAVEMENT	SY	1,050.0	\$ 20.00	\$ 21,000.00
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	7,450	\$ 25.00	\$ 186,250.00
203.0006.000A	BORROW, TYPE A	TON	13,200	\$ 60.00	\$ 792,000.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	640	\$ 45.00	\$ 28,800.00
306.0001.0000	ATB	TON	1,050	\$ 135.00	\$ 141,750.00
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	2	\$ 1,100.00	\$ 2,200.00
408.2001.00VH	HMA, TYPE VH	TON	670	\$ 300.00	\$ 201,000.00
615.0001.0000	STANDARD SIGN	SF	7	\$ 175.00	\$ 1,225.00
618.0001.0000	SEEDING	ACRE	0.2	\$ 7,500.00	\$ 1,500.00
620.0001.0000	TOPSOIL	SY	770	\$ 10.00	\$ 7,700.00
639.2000.0000	APPROACH	EACH	2	\$ 3,500.00	\$ 7,000.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	6,250	\$ 5.00	\$ 31,250.00
PAY ITEMS SUBTOTAL					\$ 1,425,675.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 143,000.00	\$ 143,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 43,000.00	\$ 43,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 15,000.00	\$ 15,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 29,000.00	\$ 29,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 29,000.00	\$ 29,000.00
30% CONTINGENCY					\$ 505,402.50
PAY ITEMS TOTAL					\$ 2,190,077.50
PERMITTING COST					\$ -
DESIGN COST					\$ 438,015.50
2026 ESTIMATE TOTAL					\$ 2,628,093.00
2027 ESCALATION					\$ 2,714,820.07
2032 ESCALATION					\$ 3,162,765.38

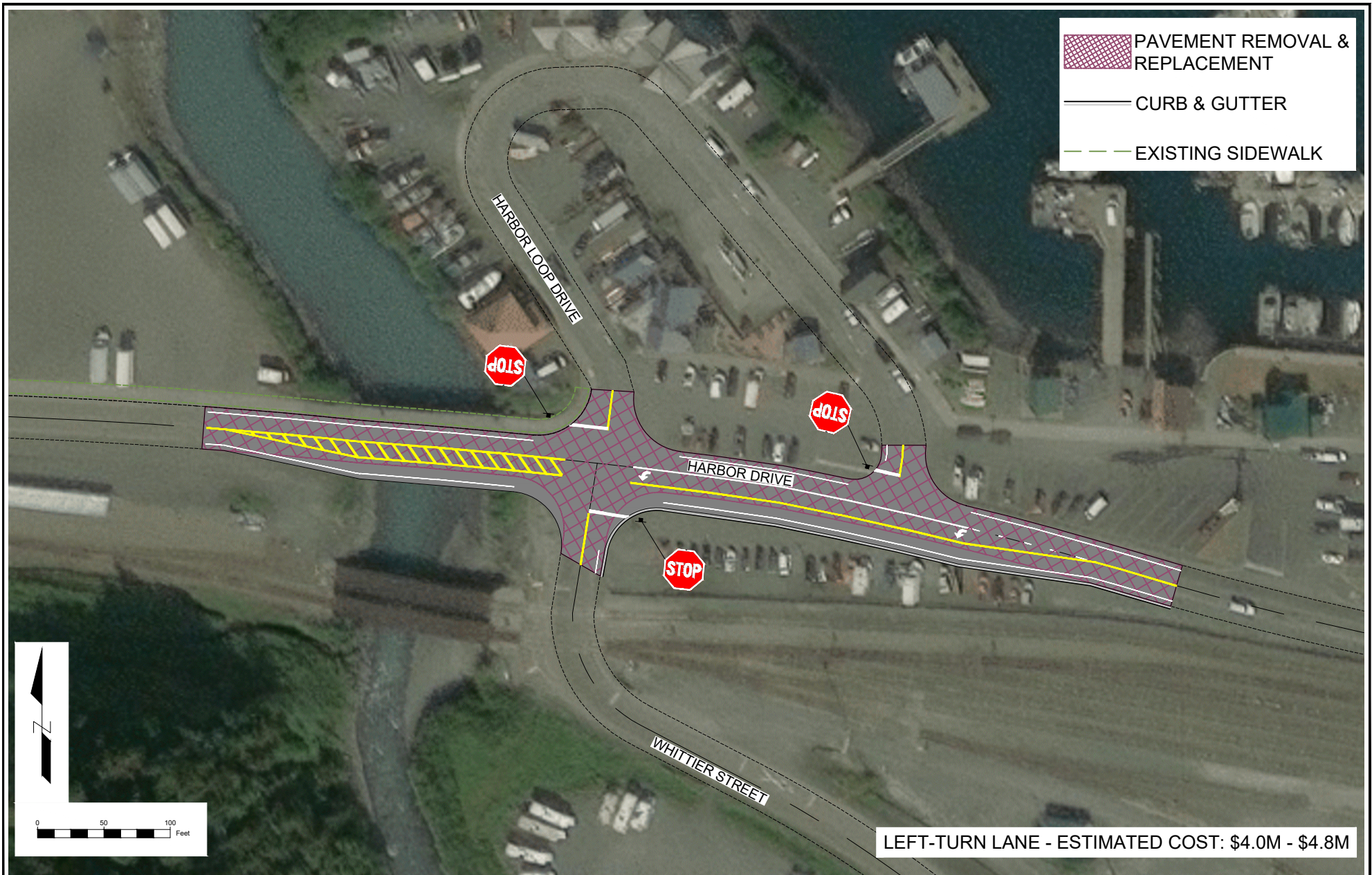


ARRC PASSENGER PLATFORM CROSSING IMPROVEMENTS

PROJECT	63959.01
DATE	JUNE 2026

ARRC PASSENGER PLATFORM CROSSING IMPROVEMENTS					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
202.0002.0000	REMOVAL OF PAVEMENT	SY	15	\$ 20.00	\$ 300.00
202.0003.0000	REMOVAL OF SIDEWALK	SY	75	\$ 80.00	\$ 6,000.00
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	67	\$ 50.00	\$ 3,350.00
203.0006.000A	BORROW, TYPE A	TON	87	\$ 60.00	\$ 5,220.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	2	\$ 45.00	\$ 76.50
306.0001.0000	ATB	TON	3	\$ 135.00	\$ 364.50
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	0.1	\$ 1,100.00	\$ 110.00
408.2001.00VH	HMA, TYPE VH	TON	2	\$ 300.00	\$ 540.00
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SY	75	\$ 115.00	\$ 8,625.00
608.0006.0000	CURB RAMP	EACH	1	\$ 7,000.00	\$ 7,000.00
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	67	\$ 175.00	\$ 11,725.00
615.0001.0000	STANDARD SIGN	SF	52	\$ 175.00	\$ 9,100.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	2,100	\$ 5.00	\$ 10,500.00
PAY ITEMS SUBTOTAL					\$ 62,911.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 7,000.00	\$ 7,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 2,000.00	\$ 2,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 1,000.00	\$ 1,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 2,000.00	\$ 2,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 2,000.00	\$ 2,000.00
30% CONTINGENCY					\$ 23,073.30
PAY ITEMS TOTAL					\$ 99,984.30
PERMITTING COST					\$ -
DESIGN COST					\$ 24,996.08
2026 ESTIMATE TOTAL					\$ 124,980.38
2027 ESCALATION					\$ 129,104.73
2032 ESCALATION					\$ 150,407.01

ARRC PASSENGER PLATFORM CROSSING IMPROVEMENTS (LED Enhanced)					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
202.0002.0000	REMOVAL OF PAVEMENT	SY	15	\$ 20.00	\$ 300.00
202.0003.0000	REMOVAL OF SIDEWALK	SY	75	\$ 80.00	\$ 6,000.00
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	67	\$ 50.00	\$ 3,350.00
203.0006.000A	BORROW, TYPE A	TON	87	\$ 60.00	\$ 5,220.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	2	\$ 45.00	\$ 76.50
306.0001.0000	ATB	TON	3	\$ 135.00	\$ 364.50
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	0	\$ 1,100.00	\$ 110.00
408.2001.00VH	HMA, TYPE VH	TON	2	\$ 300.00	\$ 540.00
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SY	75	\$ 115.00	\$ 8,625.00
608.0006.0000	CURB RAMP	EACH	1	\$ 7,000.00	\$ 7,000.00
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	67	\$ 175.00	\$ 11,725.00
615.0001.0000	STANDARD SIGN	SF	52	\$ 175.00	\$ 9,100.00
-	W11-2 LED ENHANCED	EACH	2	\$ 2,000.00	\$ 4,000.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	2,100	\$ 5.00	\$ 10,500.00
PAY ITEMS SUBTOTAL					\$ 66,911.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 7,000.00	\$ 7,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 3,000.00	\$ 3,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 1,000.00	\$ 1,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 2,000.00	\$ 2,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 2,000.00	\$ 2,000.00
30% CONTINGENCY					\$ 24,573.30
PAY ITEMS TOTAL					\$ 106,484.30
PERMITTING COST					\$ -
DESIGN COST					\$ 26,621.08
2026 ESTIMATE TOTAL					\$ 133,105.38
2027 ESCALATION					\$ 137,497.85
2032 ESCALATION					\$ 160,185.00



HARBOR DRIVE LEFT-TURN LANE

PROJECT	63959.01
DATE	JUNE 2026

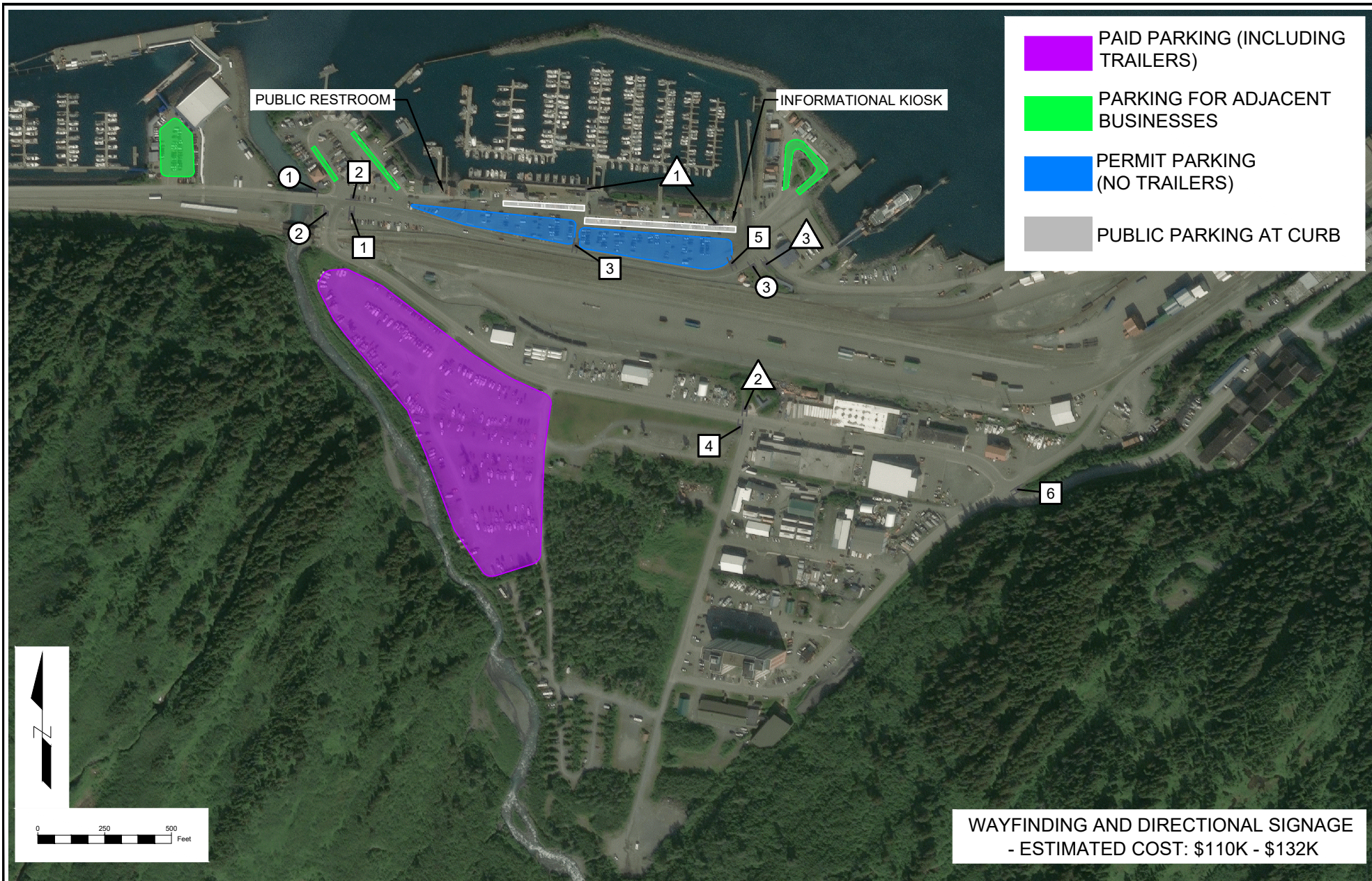
LEFT-TURN LANE AT WHITTIER STREET					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
202.0002.0000	REMOVAL OF PAVEMENT	SY	3,350	\$ 20.00	\$ 67,000.00
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	480	\$ 80.00	\$ 38,400.00
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	5,350	\$ 25.00	\$ 133,750.00
203.0006.000A	BORROW, TYPE A	TON	9,450	\$ 60.00	\$ 567,000.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	458	\$ 45.00	\$ 20,610.00
306.0001.0000	ATB	TON	720	\$ 135.00	\$ 97,200.00
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	2	\$ 1,100.00	\$ 1,650.00
408.2001.00VH	HMA, TYPE VH	TON	480	\$ 300.00	\$ 144,000.00
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	467	\$ 175.00	\$ 81,725.00
615.0001.0000	STANDARD SIGN	SF	19	\$ 175.00	\$ 3,325.00
639.2000.0000	APPROACH	EACH	3	\$ 3,500.00	\$ 10,500.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	5,550	\$ 5.00	\$ 27,750.00
-	BRIDGE WIDENING	-	1	\$ 712,755.00	\$ 712,755.00
PAY ITEMS SUBTOTAL					\$ 1,905,665.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 212,000.00	\$ 212,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 58,000.00	\$ 58,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 286,000.00	\$ 286,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 39,000.00	\$ 39,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 39,000.00	\$ 39,000.00
30% CONTINGENCY					\$ 761,899.50
PAY ITEMS TOTAL					\$ 3,301,564.50
PERMITTING COST					\$ -
DESIGN COST					\$ 660,312.90
2026 ESTIMATE TOTAL					\$ 3,961,877.40
2027 ESCALATION					\$ 4,092,619.35
2032 ESCALATION					\$ 4,767,901.55



WHITTIER STREET RIGHT-TURN LANE

PROJECT	63959.01
DATE	JUNE 2026

RIGHT-TURN LANE AT WHITTIER STREET					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
201.0003.0000	CLEARING AND GRUBBING	ACRE	0.2	\$ 40,000.00	\$ 8,000.00
202.0003.0000	REMOVAL OF SIDEWALK	SY	2,250	\$ 80.00	\$ 180,000.00
202.0009.0000	REMOVAL OF CURB AND GUTTER	LF	101	\$ 50.00	\$ 5,050.00
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	3,600	\$ 25.00	\$ 90,000.00
203.0006.000A	BORROW, TYPE A	TON	6,350	\$ 60.00	\$ 381,000.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	620	\$ 45.00	\$ 27,900.00
306.0001.0000	ATB	TON	482	\$ 135.00	\$ 65,070.00
402.0001.STE1	STE-1 ASPHALT TACK COAT	TON	1	\$ 1,100.00	\$ 1,100.00
408.2001.00VH	HMA, TYPE VH	TON	322	\$ 300.00	\$ 96,600.00
609.0002.0001	CURB AND GUTTER, TYPE 1	LF	90	\$ 175.00	\$ 15,750.00
615.0001.0000	STANDARD SIGN	SF	13	\$ 175.00	\$ 2,275.00
618.0001.0000	SEEDING	ACRE	0.1	\$ 7,500.00	\$ 750.00
620.0001.0000	TOPSOIL	SY	203	\$ 10.00	\$ 2,030.00
639.2000.0000	APPROACH	EACH	2	\$ 3,500.00	\$ 7,000.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	4,000	\$ 5.00	\$ 20,000.00
PAY ITEMS SUBTOTAL					\$ 902,525.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 91,000.00	\$ 91,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 28,000.00	\$ 28,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 10,000.00	\$ 10,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 19,000.00	\$ 19,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 19,000.00	\$ 19,000.00
30% CONTINGENCY					\$ 320,857.50
PAY ITEMS TOTAL					\$ 1,390,382.50
PERMITTING COST					\$ -
DESIGN COST					\$ 278,076.50
2026 ESTIMATE TOTAL					\$ 1,668,459.00
2027 ESCALATION					\$ 1,723,518.15
2032 ESCALATION					\$ 2,007,898.64



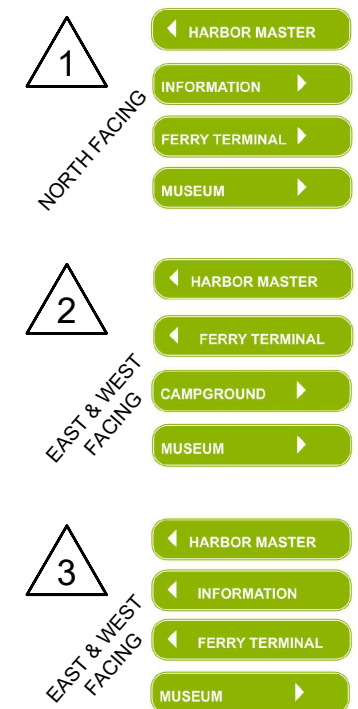
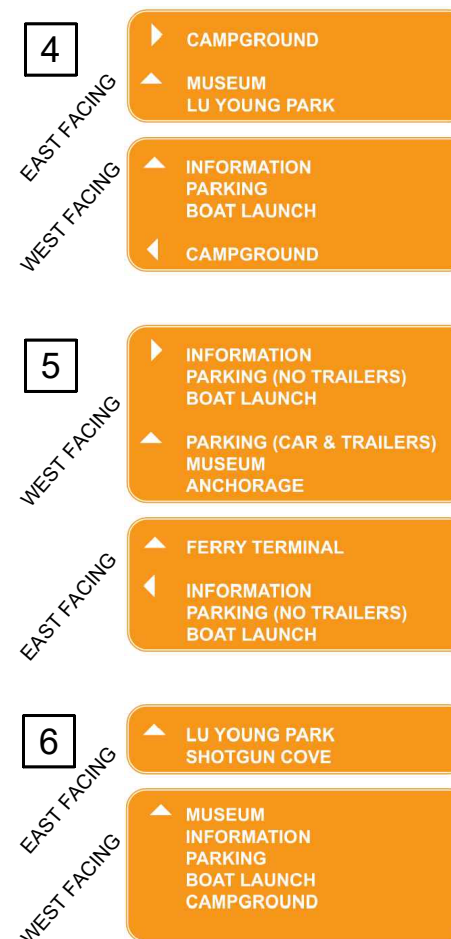
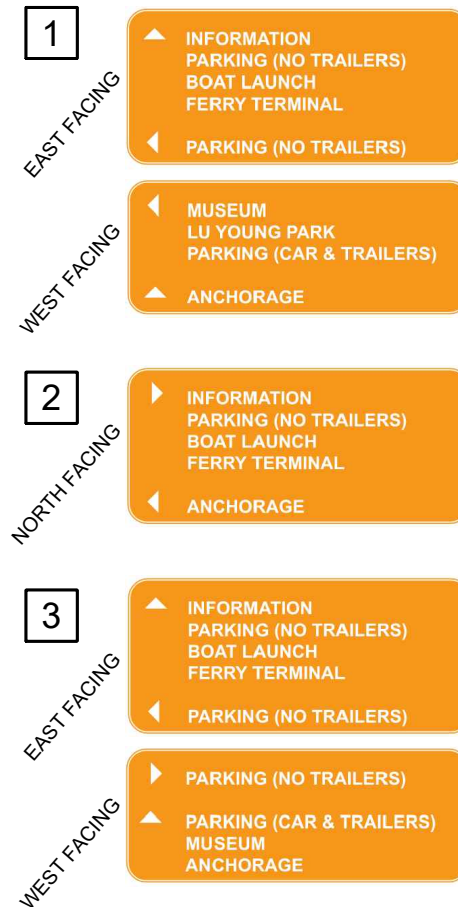
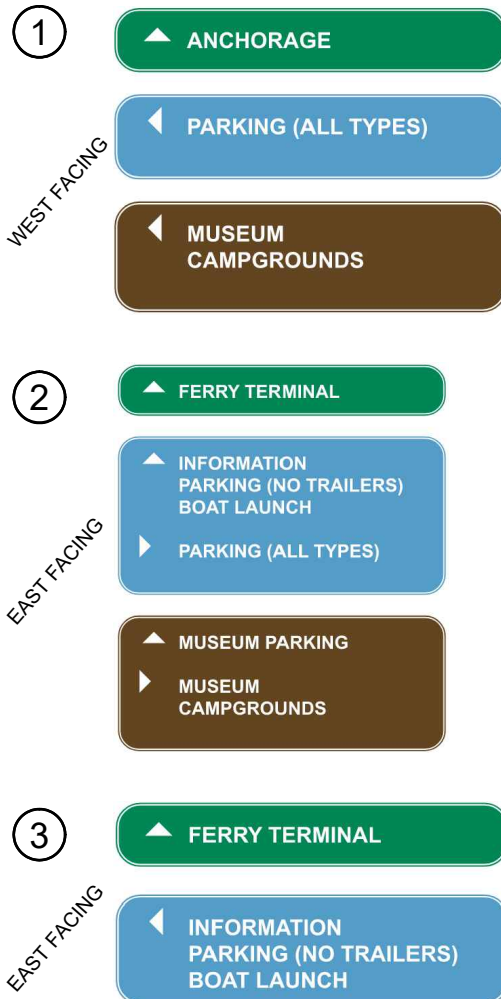
WAYFINDING AND DIRECTIONAL SIGNAGE

PROJECT	63959.01
DATE	JUNE 2026

DOT VEHICLE SIGNS

CITY VEHICLE SIGNS

CITY PEDESTRIAN SIGNS

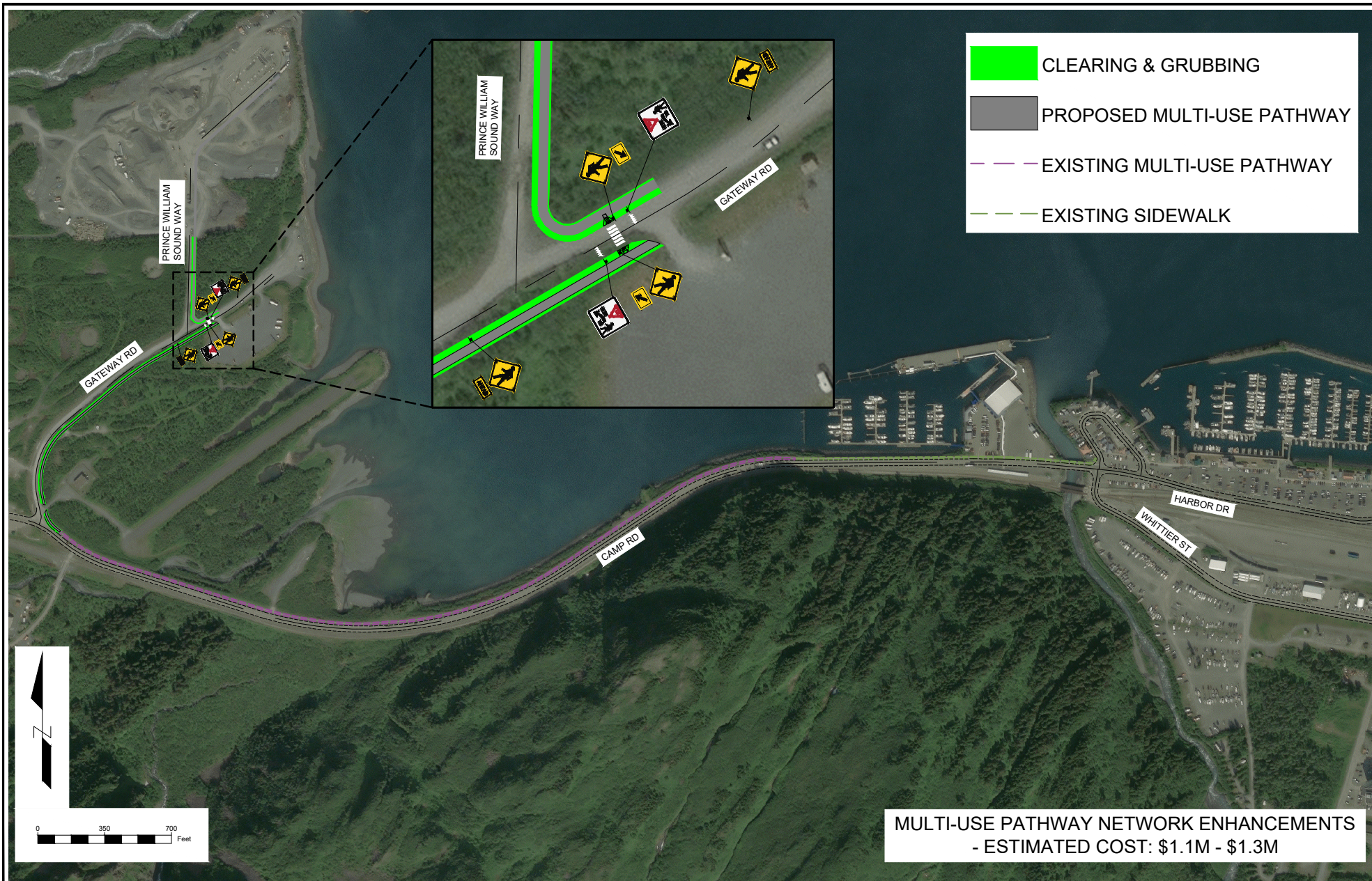


WAYFINDING AND DIRECTIONAL SIGNAGE

PROJECT 63959.01

DATE JUNE 2026

WAYFINDING AND DIRECTIONAL SIGNAGE					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
615.0001.0000	STANDARD SIGN	SF	360	\$ 175.00	\$ 63,000.00
PAY ITEMS SUBTOTAL					\$ 63,000.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 7,000.00	\$ 7,000.00
30% CONTINGENCY					\$ 21,000.00
PAY ITEMS TOTAL					\$ 91,000.00
PERMITTING COST					\$ -
DESIGN COST					\$ 18,200.00
2026 ESTIMATE TOTAL					\$ 109,200.00
2027 ESCALATION					\$ 112,803.60
2032 ESCALATION					\$ 131,416.19



MULTI-USE PATHWAY NETWORK ENHANCEMENTS

PROJECT	63959.01
DATE	JUNE 2026

ENHANCE MUTI-USE PATHWAY NETWORK					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY	UNIT COST	TOTAL COST
201.0003.0000	CLEARING AND GRUBBING	ACRE	1	\$ 40,000.00	\$ 52,000.00
202.0002.0000	REMOVAL OF PAVEMENT	SY	208	\$ 20.00	\$ 4,160.00
203.0003.0000	UNCLASSIFIED EXCAVATION	CY	2,950	\$ 25.00	\$ 73,750.00
203.0006.000A	BORROW, TYPE A	TON	5,450	\$ 60.00	\$ 327,000.00
301.0001.00D1	AGGREGATE BASE COURSE, GRADING D-1	TON	840	\$ 45.00	\$ 37,800.00
608.0001.0004	CONCRETE SIDEWALK, 4 INCHES THICK	SY	16	\$ 115.00	\$ 1,840.00
608.2002.0000	ASPHALT PATHWAY	TON	415	\$ 200.00	\$ 83,000.00
608.0006.0000	CURB RAMP	EACH	2	\$ 7,000.00	\$ 14,000.00
615.0001.0000	STANDARD SIGN	SF	52	\$ 175.00	\$ 9,100.00
618.0001.0000	SEEDING	ACRE	0.6	\$ 7,500.00	\$ 4,500.00
620.0001.0000	TOPSOIL	SY	2,600	\$ 10.00	\$ 26,000.00
670.0013.0000	PAINTED TRAFFIC MARKINGS	LF	500	\$ 5.00	\$ 2,500.00
PAY ITEMS SUBTOTAL					\$ 583,650.00
640.0001.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	\$ 59,000.00	\$ 59,000.00
641.0003.0000	TEMPORARY EROSION AND POLLUTION CONTROL	LS	ALL REQ'D	\$ 18,000.00	\$ 18,000.00
642.0001.0000	CONSTRUCTION SURVEYING	LS	ALL REQ'D	\$ 6,000.00	\$ 6,000.00
643.0002.0000	TRAFFIC MAINTENANCE	LS	ALL REQ'D	\$ 12,000.00	\$ 12,000.00
643.0003.0000	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D	\$ 12,000.00	\$ 12,000.00
30% CONTINGENCY					\$ 207,195.00
PAY ITEMS TOTAL					\$ 897,845.00
PERMITTING COST					\$ -
DESIGN COST					\$ 179,569.00
2026 ESTIMATE TOTAL					\$ 1,077,414.00
2027 ESCALATION					\$ 1,112,968.66
2032 ESCALATION					\$ 1,296,608.49