



Oregon Transportation Improvement Group
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Newberg-Dundee Transportation Improvement Project

Appendix C: Capital Costs

PROJECT ELEMENTS								Baseline
Dayton IC	Dundee IC	OR 219 IC	Rex Hill IC	Dayton to Dundee	Dundee to OR 219	OR 219 to Rex Hill		
Newberg - Dundee								
Earthwork	\$ 150,000	\$ 180,000	\$ 60,000	\$ 130,000	\$ 17,299,604	\$ 10,550,786	\$ 16,171,988	\$ 44,542,378
Pavement	\$ -	\$ -	\$ -	\$ -	\$ 13,494,492	\$ 6,065,928	\$ 5,890,104	\$ 25,450,524
Ramps and Local Streets	\$ 3,776,100	\$ 4,549,800	\$ 1,441,400	\$ 3,275,300	\$ 3,478,500	\$ 4,946,300	\$ -	\$ 21,467,400
Context Sensitive Design	\$ 500,000	\$ 500,000	\$ 500,000	\$ 500,000	\$ 1,000,000	\$ 1,000,000	\$ 1,000,000	\$ 5,000,000
Culverts	\$ -	\$ -	\$ -	\$ 945,000	\$ 4,320,000	\$ 525,000	\$ -	\$ 5,790,000
Bridges	\$ 1,944,000	\$ 6,609,600	\$ -	\$ 6,630,000	\$ 27,462,000	\$ 25,900,000	\$ 21,638,000	\$ 90,183,600
Retaining Walls	\$ 558,000	\$ 558,000	\$ -	\$ 4,953,000	\$ 800,000	\$ 651,000	\$ -	\$ 7,520,000
Drainage	\$ -	\$ 500,000	\$ -	\$ -	\$ 3,149,000	\$ 1,966,000	\$ 1,938,000	\$ 7,553,000
Incidental Items	\$ 417,000	\$ 715,000	\$ -	\$ 179,000	\$ 804,500	\$ 391,700	\$ 382,100	\$ 2,889,300
Landscape	\$ -	\$ -	\$ -	\$ -	\$ 1,041,999	\$ 459,186	\$ 441,525	\$ 1,942,710
Noise Abatement	\$ -	\$ -	\$ -	\$ -	\$ 1,875,000	\$ 3,437,500	\$ 937,500	\$ 6,250,000
General Items	\$ 75,600	\$ 75,600	\$ 75,600	\$ 75,600	\$ 75,600	\$ 75,600	\$ 75,600	\$ 529,200
Construction Subtotal	\$ 7,420,700	\$ 13,688,000	\$ 2,077,000	\$ 16,687,900	\$ 74,800,695	\$ 55,969,000	\$ 48,474,817	\$ 219,118,112
Construction % Items - Add-ons	\$ 1,372,830	\$ 2,532,280	\$ 425,785	\$ 3,421,020	\$ 13,838,129	\$ 10,354,265	\$ 8,967,841	\$ 40,912,149
SUMMARY								
Construction Estimate	\$ 8,793,530	\$ 16,220,280	\$ 2,502,785	\$ 20,108,920	\$ 88,638,824	\$ 66,323,265	\$ 57,442,658	\$ 260,030,261
Construction Engineering (CE)	\$ 742,070	\$ 1,368,800	\$ 207,700	\$ 1,668,790	\$ 7,480,070	\$ 5,596,900	\$ 4,847,482	\$ 21,911,811
Utilities Relocations	\$ 148,414	\$ 273,760	\$ 62,310	\$ 333,758	\$ 748,007	\$ 2,798,450	\$ 484,748	\$ 4,849,447
Toll Plaza Additions	\$ 1,264,939	\$ -	\$ -	\$ 1,264,939	\$ -	\$ -	\$ -	\$ 2,529,878
Subtotal	\$ 10,948,953	\$ 17,862,840	\$ 2,772,795	\$ 23,376,407	\$ 96,866,900	\$ 74,718,615	\$ 62,774,888	\$ 289,321,397
Contingency 20%	\$ 2,189,791	\$ 3,572,568	\$ 554,559	\$ 4,675,281	\$ 19,373,380	\$ 14,943,723	\$ 12,554,978	\$ 57,864,279
Subtotal Construction	\$ 13,138,743	\$ 21,435,408	\$ 3,327,354	\$ 28,051,688	\$ 116,240,280	\$ 89,662,338	\$ 75,329,866	\$ 347,185,677
Design 10%	\$ 1,313,874	\$ 2,143,541	\$ 332,735	\$ 2,805,169	\$ 11,624,028	\$ 8,966,234	\$ 7,532,987	\$ 34,718,568
QA (Design and Construction) 3%	\$ 433,579	\$ 707,368	\$ 109,803	\$ 925,706	\$ 3,835,929	\$ 2,958,857	\$ 2,485,886	\$ 11,457,127
Subtotal Design and Construction	\$ 14,886,196	\$ 24,286,317	\$ 3,769,892	\$ 31,782,562	\$ 131,700,237	\$ 101,587,429	\$ 85,348,738	\$ 393,361,372
Tolling Infrastructure							Right of Way	\$ 86,000,000
							ROW Contingency	\$ 14,000,000
							TOTAL	\$ 493,361,372