



Appendix C:

Project Cost Estimate

APPENDIX C

Cost Estimate

I-49 Widening (2-12' through lanes & 2-10' inside shoulders incl. median) & Mainline Mill & Overlay (4-12' through lanes & 2-10' outside shoulders)

						COST BREAKDOWN			
Item	Description	Quantity	Unit	Unit Price	Extension	PROJECT ELEMENT	COST		
ENGINEERING									
	Owner's Rep and Engineering Support Services (2%)	1	L.S.	\$ 556,600.00	\$ 560,000.00	Owner's Rep / Support	\$ 560,000.00		
	Design work for the Design Builder (8%)	1	L.S.	\$ 2,226,400.00	\$ 2,230,000.00	Design-Build Services	\$ 2,230,000.00		
	Design Services During Construction for the Design Builder (2%)	1	L.S.	\$ 556,600.00	\$ 560,000.00	Design Svcs During Construction	\$ 560,000.00		
	Construction Engineering & Inspection	1	L.S.	\$ 1,500,000.00	\$ 1,500,000.00	Construction Eng & Inspection	\$ 1,500,000.00		
ENGINEERING SUB-TOTAL:					\$ 4,850,000.00	ENGINEERING SUB-TOTAL:	\$ 4,850,000.00		
CONSTRUCTION									
201-30.00	CLEARING AND GRUBBING	18	ACRE	\$ 5,000.00	\$ 90,154.96	Clearing, Grubbing, Excav., etc.	\$ 480,000.00		
203-50.00	UNCLASSIFIED EXCAVATION	15,830	C.Y.	\$ 15.00	\$ 237,450.00				
203-55.00	EMBANKMENT IN PLACE	14,875	C.Y.	\$ 10.00	\$ 148,749.96				
	Widening					Widening	\$ 7,850,000.00		
304-05.06	TYPE 5 BASE (6") - I-49	118,930	S.Y.	\$ 12.00	\$ 1,427,160.00				
502-13.10	10" CONCRETE PAVEMENT - I-49	66,702	S.Y.	\$ 65.00	\$ 4,335,644.44				
502-13.40	TYPE A2 SHOULDER - I-49	52,228	S.Y.	\$ 40.00	\$ 2,089,111.11				
	Overlay					Overlay	\$ 3,210,000.00		
401-01.50	TYPE A2 SHOULDER - I-49	19,058	S.Y.	\$ 40.00	\$ 762,311.11				
402-05.20	4" ASPHALT PAVEMENT - I-49	27,624	TON	\$ 65.00	\$ 1,795,576.18				
622-10.03	COLDMILLING - I-49	161,991	S.Y.	\$ 4.00	\$ 647,964.44				
504-10.00	CONCRETE APPROACH PAVEMENT	340	S.Y.	\$ 120.00	\$ 40,800.00	Additional Pavement	\$ 40,000.00		
617-30.00	TYPE C BARRIER	21,440	L.F.	\$ 80.00	\$ 1,715,200.00	Barriers, Rumble Strips	\$ 1,810,000.00		
626-20.00A	PORTLAND CEMENT CONCRETE SHOULDER RUMBLE STRIPS	858	STA	\$ 105.00	\$ 90,048.00				
725-03.18A	18 IN. PIPE GROUP A	14,365	L.F.	\$ 60.00	\$ 861,888.00				
731-10.52	PRECAST CONCRETE DROP INLET 5 FT X 2 FT	240	L.F.	\$ 500.00	\$ 120,000.00				
903-99.03A	OVERHEAD SIGN TRUSS	5	EACH	\$ 60,000.00	\$ 300,000.00	Pipes, Inlets	\$ 980,000.00		
903-99.03B	CANTILEVER OVERHEAD SIGN TRUSS	1	EACH	\$ 30,000.00	\$ 30,000.00	Signs	\$ 330,000.00		
	NOISE WALLS	9,600	S.F.	\$ 40.00	\$ 384,000.00	Noise Walls	\$ 380,000.00		
	I-49 (NB & SB) BRIDGE WIDENING OVER 163rd STREET	12,600	S.F.	\$ 165.00	\$ 2,079,000.00		\$ 2,080,000.00		
	Design Contingency (20%)	1	L.S.	\$ 3,432,000.00	\$ 3,430,000.00	Design Contingency (20%)	\$ 3,430,000.00		
	Mobilization (6%)	1	L.S.	\$ 1,235,400.00	\$ 1,240,000.00	Other (32.45%)	\$ 6,690,000.00		
	Removal of Improvements (2%)	1	L.S.	\$ 411,800.00	\$ 410,000.00				
	Surveying (1%)	1	L.S.	\$ 205,900.00	\$ 210,000.00				
	Maintenance of Traffic (15%)	1	L.S.	\$ 3,088,500.00	\$ 3,090,000.00				
	Signing (1%)	1	L.S.	\$ 205,900.00	\$ 210,000.00				
	Lighting (1%)	1	L.S.	\$ 205,900.00	\$ 210,000.00				
	Drainage (2%)	1	L.S.	\$ 411,800.00	\$ 410,000.00				
	Erosion Control (0.5%)	1	L.S.	\$ 102,950.00	\$ 100,000.00				
	ITS (2.45%)	1	L.S.	\$ 504,455.00	\$ 500,000.00				
	Utility Relocation (1%)	1	L.S.	\$ 205,900.00	\$ 210,000.00				
	Pavement Markings (0.5%)	1	L.S.	\$ 102,950.00	\$ 100,000.00				
CONSTRUCTION SUB-TOTAL:					\$ 27,280,000.00			CONSTRUCTION SUB-TOTAL:	\$ 27,280,000.00
	Construction Contingency (2%)	1	L.S.	\$ 545,600.00	\$ 550,000.00			Construction Contingency (2%)	\$ 550,000.00
TOTAL PROJECT COST (2019 DOLLARS)=					\$ 32,680,000.00	TOTAL:	\$ 32,680,000.00		