

APPENDIX D
- PROJECT PHASE ESTIMATES





SCJ ALLIANCE
CONSULTING SERVICES

Phase 1

Element	Element Based Upon	Unit	Unit Cost	Estimate Measurement	
Roadwork	Estimated Quantities				\$ 2,636,099
	Mobilization	LS	8%	1	\$ 230,899
	Roundabout	EACH	\$1,890,000	1	\$ 1,890,000
	Illumination	LF	\$78	3,800	\$ 300,000
	Permanent Signing	LF	\$4.00	3,800	\$ 15,200
	Traffic Control	LS	\$200,000	1	\$ 200,000
	Subtotal Construction				\$ 2,636,099
	Conceptual Contingency/Miscellaneous (20%)				\$ 527,220
	Total Construction				\$ 3,163,319
		PE	12%		\$ 379,598
		CM	15%		\$ 474,498
		ROW	Value		\$ 900,000
		Total			\$ 4,920,000



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Phase 2

Element	Element Based Upon	Unit	Unit Cost	Estimate Measurement	
Roadwork	Estimated Quantities				\$ 6,868,160
	Mobilization	LS	8%	1	\$ 601,591
	Clearing and Grubbing	SF	\$0.23	312,800	\$ 71,809
	Roadway Excavation/Select Borrow	CY	\$25.00	13,459	\$ 336,481
	Roadway Section	SF	\$5.13	294,400	\$ 1,510,861
	Conveyance	LF	\$62.30	4,600	\$ 286,580
	Water Quality/Flow Control	SF	\$2.28	294,400	\$ 669,760
	Sidewalk	SY	\$45.83	3,067	\$ 140,539
	Curb and Gutter	LF	\$101.66	4,600	\$ 467,618
	Erosion Control	LF	\$16.80	4,600	\$ 77,280
	Roundabout	EACH	\$1,890,000	1	\$ 1,890,000
	Illumination	LF	\$78	4,600	\$ 359,242
	Permanent Signing	LF	\$4.00	4,600	\$ 18,400
	Landscaping	LF	\$30.00	4,600	\$ 138,000
	Traffic Control	LS	\$300,000	1	\$ 300,000
Subtotal Construction					\$ 6,868,160
Conceptual Contingency/Miscellaneous (20%)					\$ 1,373,632
Total Construction					\$ 8,241,792
		PE	12%		\$ 989,015
		CM	15%		\$ 1,236,269
		ROW	Value		\$ 3,750,000
Total					\$ 14,220,000



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Phase 3

Element	Element Based Upon	Unit	Unit Cost	Estimate Measurement	
Roadwork	Estimated Quantities				\$ 5,977,245
	Mobilization	LS	8%	1	\$ 523,554
	Clearing and Grubbing	SF	\$0.23	185,000	\$ 42,470
	Roadway Excavation/Select Borrow	CY	\$25.00	10,826	\$ 270,648
	Roadway Section	SF	\$5.13	236,800	\$ 1,215,258
	Conveyance	LF	\$62.30	3,700	\$ 230,510
	Water Quality/Flow Control	SF	\$2.28	236,800	\$ 538,720
	Sidewalk	SY	\$45.83	2,467	\$ 113,042
	Curb and Gutter	LF	\$101.66	3,700	\$ 376,127
	Erosion Control	LF	\$16.80	3,700	\$ 62,160
	Roundabouts	EACH	\$1,890,000	1	\$ 1,890,000
	Illumination	LF	\$78	3,700	\$ 288,955
	Permanent Signing	LF	\$4.00	3,700	\$ 14,800
	Landscaping	LF	\$30.00	3,700	\$ 111,000
	Traffic Control	LS	\$300,000	1	\$ 300,000
Subtotal Construction					\$ 5,977,245
Conceptual Contingency/Miscellaneous (20%)					\$ 1,195,449
Total Construction					\$ 7,172,694
		PE	12%		\$ 860,723
		CM	15%		\$ 1,075,904
		ROW	Value		\$ 1,990,000
Total					\$ 11,100,000



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Phase 4

Element	Element Based Upon	Unit	Unit Cost	Estimate Measurement	
Roadwork	Estimated Quantities				\$ 2,096,746
	Mobilization	LS	8%	1	\$ 183,657
	Clearing and Grubbing	SF	\$0.23	136,800	\$ 31,405
	Roadway Excavation/Select Borrow	CY	\$25.00	6,578	\$ 164,444
	Roadway Section	SF	\$5.13	110,400	\$ 566,573
	Conveyance	LF	\$62.30	2,400	\$ 149,520
	Water Quality/Flow Control	SF	\$2.28	110,400	\$ 251,160
	Sidewalk	SY	\$45.83	3,200	\$ 146,650
	Curb and Gutter	LF	\$50.83	2,400	\$ 121,987
	Erosion Control	LF	\$16.80	2,400	\$ 40,320
	Illumination	LF	\$78	2,400	\$ 187,430
	Permanent Signing	LF	\$4.00	2,400	\$ 9,600
	Landscaping	LF	\$60.00	2,400	\$ 144,000
	Traffic Control	LS	\$100,000	1	\$ 100,000
Subtotal Construction					\$ 2,096,746
Conceptual Contingency/Miscellaneous (20%)					\$ 419,349
Total Construction					\$ 2,516,095
	PE		12%		\$ 301,931
	CM		15%		\$ 377,414
	ROW		Value		\$ 580,000
Total					\$ 3,780,000



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Phase 5

Element	Element Based Upon	Unit	Unit Cost	Estimate Measurement	
Roadwork	Estimated Quantities				\$ 6,021,285
	Mobilization	LS	8%	1	\$ 527,412
	Clearing and Grubbing	SF	\$0.23	225,500	\$ 51,768
	Roadway Excavation/Select Borrow	CY	\$25.00	11,237	\$ 280,926
	Roadway Section	SF	\$5.13	188,600	\$ 967,895
	Conveyance	LF	\$62.30	4,100	\$ 255,430
	Water Quality/Flow Control	SF	\$2.28	188,600	\$ 429,065
	Sidewalk	SY	\$45.83	5,467	\$ 250,526
	Curb and Gutter	LF	\$50.83	8,200	\$ 416,790
	Erosion Control	LF	\$16.80	4,100	\$ 68,880
	Roundabouts	EACH	\$1,890,000	1	\$ 1,890,000
	Illumination	LF	\$78	4,100	\$ 320,194
	Permanent Signing	LF	\$4.00	4,100	\$ 16,400
	Landscaping	LF	\$60.00	4,100	\$ 246,000
	Traffic Control	LS	\$300,000	1	\$ 300,000
	Subtotal Construction				\$ 6,021,285
	Conceptual Contingency/Miscellaneous (20%)				\$ 1,204,257
	Total Construction				\$ 7,225,542
		PE	12%		\$ 867,065
		CM	15%		\$ 1,083,831
		ROW	Value		\$ 2,220,000
		Total			\$ 11,400,000