

APPENDIX B
COST ESTIMATES

**MSB Planning Level Services
Connect_02**

Item Number	Item Description	Pay Unit	Quantity	Unit Price	Amount
201 (3A)	Clearing and Grubbing	Acre	7	\$4,000.00	\$28,000.00
203 (3)	Unclassified Excavation	Cubic Yard	31,853	\$6.00	\$191,118.00
203 (6A)	Borrow, Type A	Ton	60,414	\$11.00	\$664,557.55
203 (6C)	Borrow, Type C	Ton	0	\$5.50	\$0.00
301 (1)	Aggregate Base Course, Grading D-1	Ton	8,038	\$20.00	\$160,759.08
401 (1A)	Hot Mix Asphalt, Type II, Class A	Ton	3,875	\$65.00	\$251,859.38
401 (2)	Asphalt Cement, Grade PG 52-28	Ton	213	\$400.00	\$85,244.71
615 (1)	Standard Sign	Square Foot	80	\$50.00	\$4,000.00
618 (2)	Seeding	Pound	770	\$25.00	\$19,253.75
618 (3)	Water For Seeding	M Gal.	385	\$25.00	\$9,626.88
620 (1)	Topsoil	Square Yard	42,786	\$1.50	\$64,179.17
640 (1)	Mobilization And Demobilization	Lump Sum	All Required	\$77,631.93	\$77,631.93
641 (1)	Erosion And Pollution Control	Lump Sum	All Required	\$31,052.77	\$31,052.77
642 (1)	Construction Surveying	Lump Sum	All Required	\$31,052.77	\$31,052.77
643 (25)	Traffic Control	Lump Sum	All Required	\$15,526.39	\$15,526.39
670 (10)	Pavement Markings	Lump Sum	All Required	\$74,040.00	\$74,040.00
	Contingency			25.00%	\$1,707,902.36
					\$426,975.59
					=====
	Construction Engineering			15.00%	\$2,134,877.95
					\$320,231.69
					=====
	Design Engineering			10.00%	\$2,455,109.65
					\$245,510.96
					=====
	Utility Relocation				\$2,700,620.61
	Telephone				\$102,450.00
	Overhead Electric				\$40,000.00
					=====
					\$142,450.00
	ROW				\$96,600.00
				TOTAL	\$2,939,670.61

**MSB Planning Level Services
Connect_03**

Item Number	Item Description	Pay Unit	Quantity	Unit Price	Amount
201 (3A)	Clearing and Grubbing	Acre	23	\$4,000.00	\$92,745.64
203 (3)	Unclassified Excavation	Cubic Yard	10,395	\$6.00	\$62,370.00
203 (6A)	Borrow, Type A	Ton	65,889	\$11.00	\$724,783.95
203 (6C)	Borrow, Type C	Ton	12,867	\$5.50	\$70,767.68
301 (1)	Aggregate Base Course, Grading D-1	Ton	8,767	\$20.00	\$175,344.48
401 (1A)	Hot Mix Asphalt, Type II, Class A	Ton	4,208	\$65.00	\$273,548.05
401 (2)	Asphalt Cement, Grade PG 52-28	Ton	231	\$400.00	\$92,585.50
615 (1)	Standard Sign	Square Foot	80	\$50.00	\$4,000.00
618 (2)	Seeding	Pound	778	\$25.00	\$19,459.30
618 (3)	Water For Seeding	M Gal.	389	\$25.00	\$9,729.65
620 (1)	Topsoil	Square Yard	43,243	\$1.50	\$64,864.33
640 (1)	Mobilization And Demobilization	Lump Sum	All Required	\$83,555.13	\$83,555.13
641 (1)	Erosion And Pollution Control	Lump Sum	All Required	\$33,422.05	\$33,422.05
642 (1)	Construction Surveying	Lump Sum	All Required	\$33,422.05	\$33,422.05
643 (25)	Traffic Control	Lump Sum	All Required	\$16,711.03	\$16,711.03
670 (10)	Pavement Markings	Lump Sum	All Required	\$80,904.00	\$80,904.00
	Contingency			25.00%	\$1,838,212.83
					\$459,553.21
					=====
	Construction Engineering			15.00%	\$2,297,766.04
					\$344,664.91
					=====
	Design Engineering			10.00%	\$2,642,430.95
					\$264,243.09
					=====
					\$2,906,674.04
	Utility Relocation				
	Telephone				\$0.00
	Overhead Electric				\$10,000.00
					=====
					\$10,000.00
	ROW				
					\$652,400.00
	TOTAL				\$3,569,074.04

MSB Planning Level Services
Connect_04-05

Item Number	Item Description	Pay Unit	Quantity	Unit Price	Amount
201 (3A)	Clearing and Grubbing	Acre	12	\$4,000.00	\$48,240.96
203 (3)	Unclassified Excavation	Cubic Yard	13,255	\$6.00	\$79,530.00
203 (6A)	Borrow, Type A	Ton	42,129	\$11.00	\$463,422.47
203 (6C)	Borrow, Type C	Ton	4,913	\$5.50	\$27,024.03
301 (1)	Aggregate Base Course, Grading D-1	Ton	5,604	\$20.00	\$112,087.80
401 (1A)	Hot Mix Asphalt, Type II, Class A	Ton	2,697	\$65.00	\$175,322.53
401 (2)	Asphalt Cement, Grade PG 52-28	Ton	148	\$400.00	\$59,339.93
615 (1)	Standard Sign	Square Foot	180	\$50.00	\$9,000.00
618 (2)	Seeding	Pound	545	\$25.00	\$13,637.05
618 (3)	Water For Seeding	M Gal.	273	\$25.00	\$6,818.53
620 (1)	Topsoil	Square Yard	30,305	\$1.50	\$45,456.83
640 (1)	Mobilization And Demobilization	Lump Sum	All Required	\$54,575.21	\$54,575.21
641 (1)	Erosion And Pollution Control	Lump Sum	All Required	\$21,830.08	\$21,830.08
642 (1)	Construction Surveying	Lump Sum	All Required	\$21,830.08	\$21,830.08
643 (25)	Traffic Control	Lump Sum	All Required	\$10,915.04	\$10,915.04
670 (10)	Pavement Markings	Lump Sum	All Required	\$51,624.00	\$51,624.00
	Contingency			25.00%	\$1,200,654.53
					\$300,163.63
					=====
	Construction Engineering			15.00%	\$1,500,818.16
					\$225,122.72
					=====
	Design Engineering			10.00%	\$1,725,940.89
					\$172,594.09
					=====
	Utility Relocation				\$1,898,534.97
	Telephone				\$0.00
	Overhead Electric				\$10,000.00
					=====
	ROW				\$10,000.00
					\$75,700.00
					=====
	TOTAL				\$1,984,234.97