

Appendix K – Preliminary Cost Estimate Calculations

**Project: 4-1068 & 4-1069**

<b><u>Alternate #1</u></b>	Deck Area (sq. yds)	(sq. ft.)	\$/sq. ft.	Cost
4-1068 Bridge:	1980	17820	\$110	\$1,960,200
4-1069 Bridge:	1110	9990	\$110	\$1,098,900
	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	
New Box Culvert:	LF	50	\$6,000	\$300,000
Remove Structures	LS	1	\$200,000	\$200,000
Asphalt Surf. (1 1/4")	Tons	1000	\$65	\$65,000
Asphalt Base (9")	Tons	7000	\$65	\$455,000
DGA (6")	Tons	4600	\$20	\$92,000
Embankment	Cu. Yds	11000	\$10	\$110,000
MOT (3%)		3.00%		\$128,433
Mobilization (5%)		5.00%		\$214,055
Demob (1.5%)		1.50%		\$64,217
30% Contingency		30.00%		\$1,284,330
			<b>Construction Total:</b>	<b>\$5,972,135</b>

<b><u>Alternate #2 or 3</u></b>	Deck Area (sq. yds)	(sq. ft.)	\$/sq. ft.	Cost
4-1068 Bridge:	1980	17820	\$110	\$1,960,200
4-1069 Bridge:	1110	9990	\$110	\$1,098,900
	<u>Unit</u>	<u>Quantity</u>	<u>Unit Price</u>	
Box Culvert Ext.	LF	20	\$6,000	\$120,000
Remove Structures	LS	1	\$200,000	\$200,000
Asphalt Surf. (1 1/4")	Tons	170	\$65	\$11,050
Asphalt Base (9")	Tons	1200	\$65	\$78,000
DGA (6")	Tons	900	\$20	\$18,000
Embankment	Cu. Yds	2000	\$10	\$20,000
MOT (10%)		10.00%		\$350,615
Mobilization (5%)		5.00%		\$175,308
Demob (1.5%)		1.50%		\$52,592
30% Contingency		30.00%		\$1,051,845
			<b>Construction Total:</b>	<b>\$5,136,510</b>