Remove and replace entire top of culvert, replace parapet with crash tested barrier (30 yr. service life)

ITEM	UNIT	QUANTITY	UNIT COST	TOTAL COST
Pavement Removal	SY	100	$10.00	$1,000.00
Removal and Disposal of Unsuitable Material	CY	6	$500.00	$3,000.00
Guardrail Removal	FT	124	$100.00	$12,400.00
Hot Mix Asphalt Pavement, 5"	TON	33	$75.00	$2,475.00
Traffic Barrier Terminal, Type 1	EACH	3	$2,500.00	$7,500.00
Traffic Barrier Terminal, Type 5A	EACH	3	$1,750.00	$5,250.00
Steel Plate Beam Guardrail, Type A, 6' Posts	FT	56.25	$40.00	$2,250.00
Concrete Removal	CY	42	$400.00	$16,800.00
Struct. Repair of Concrete <= 5" (Note 1)	SF	400	$125.00	$50,000.00
Struct. Repair of Concrete > 5" (Note 1)	SF	0	$125.00	$0.00
Dk. Slab Repair, Partial Depth	SY	0	$280.00	$0.00
Dk. Slab Repair, Full Depth (Type 1)	SY	0	$475.00	$0.00
Dk. Slab Repair, Full Depth (Type 2)	SY	0	$475.00	$0.00
Waterproof Membrane System	SY	100	$50.00	$5,000.00
Drainage Scupper	EACH	6	$1,000.00	$6,000.00
Epoxy Crack Injection (Note 1)	LF	195	$40.00	$7,800.00
Protective Coat	SY	0	$5.00	$0.00
Name Plates	EACH	1	$500.00	$500.00
Reinforcement Bars, Epoxy Coated	LBS	15000	$1.75	$26,250.00
Parapet Railing, Special	FT	74	$50.00	$3,700.00
Limestone Masonry Veneer	LSUM	1	$47,000.00	$47,000.00 *
Concrete Superstructure	CY	72.5	$850.00	$61,625.00
Structure Excavation	CY	37	$50.00	$1,850.00
Clean Existing Box Culvert 12 x 7	LF	83	$50.00	$4,150.00
Temporary Bracing	LSUM	1	$5,000.00	$5,000.00
PGE Special	CY	37	$100.00	$3,700.00
Traffic Control and Protection	LSUM	1	$15,000.00	$15,000.00
			Subtotal	$288,250.00
			8% increase (R&B June 2012)	*$23,060.00*
			Subtotal	$311,310.00
			20% Contingencies	*$62,262.00*
			Total	**$373,572.00**

Addresses Substandard Items

Culvert Rating
Deck Geometry
Bridge Railing
Approach Guardrails