

financial feasibility calculations. It was assumed that facility construction would begin in 2006; therefore, the 2004 unit costs were inflated to 2006 dollars, assuming a 3 percent inflation rate over 2 years. The unit costs used in the analysis are shown in Table 7.2.

**Table 7.2**  
**Roadway Capital Cost Unit Prices**

Item Description	Unit	Unit Price \$
<b>Quantifiable Items</b>		
Bridge Rail Type 10	LF	75.00
Concrete Median Cover	SF	8.00
Concrete Pavement (13")	SY	38.00
Curb and Gutter (Type 2)	LF	12.00
Earthwork (embankment)	CY	6.00
Guardrail Type 3	LF	12.00
Guardrail Type 7	LF	37.00
Retaining Walls	SF	50.00
Sidewalk	SY	25.00
<b>Major Items</b>		
Regular Straight Bridges	SF	80.00
Curved Flyovers	SF	130.00
Urban Over	SF	120.00
Railroad	SF	130.00
Remove Existing Bridges	SF	15.00
Noise Barrier	SF	35.00
<b>Miscellaneous Items as Percentages</b>		
Utilities		10.00
Removals, Resets, and Adjustments		10.00
Drainage		15.00
Landscape		6.00
Signing, Striping, Signals, Lighting		21.00
Traffic Control		26.00
Mobilization and Miscellaneous		20.00
Force Account Items		10.00
<b>Total</b>		<b>118.00</b>
<b>Box Culvert Construction</b>		
Box 1 (12x14)	LF	805.00

Note: All values are in 2004 Dollars

## 7.2.2 Toll Equipment Capital Costs

Unit cost information for toll collection equipment was compiled based on national averages for similar toll facilities. Unit costs were compiled for toll lane equipment, gantries, host servers, vehicle enforcement system (VES) data host, workstations, traffic