

### **3.7 CAPITAL IMPROVEMENT COST ESTIMATES**

For purposes of budgetary planning, cost estimates were made, in 2001 dollars, of each recommended capital improvement project. The cost estimates are based on the conceptual design and are subject to change pending completion of a more detailed design process. Costs for most items were estimated based on past or current similar Parsons ES projects, and by consulting the FDOT 1- and 3-year cost history listings dated February 2001. Mobilization and demobilization costs were typically estimated to comprise approximately 9% of the total construction cost.

[Table 3.7-1](#) summarizes the total cost estimates for the individual projects, detailed estimates of which are included as [Appendix H](#). The estimates include land acquisition, engineering and related services (surveying, environmental permitting, etc.), construction, and contingency.

Cost estimates for acquisition of private property were based on the most recent assessed value as reported by the Pinellas County Property Appraiser's Office, multiplied by a factor of 1.5 to include fair market value of the property plus legal fees.

The magnitude and scope of the recommended improvements, coupled with budgetary constraints, will require phased implementation of the plan over a number of years. The capital costs listed in Table 3.7-1 will need to be adjusted annually for inflation, up to the year of actual construction, based on the construction price indices for the applicable year(s). In the next section, the recommended prioritization rankings are presented which will facilitate the development of an implementation schedule.



*Stevenson Creek Watershed Management Plan  
Final Report*

**Table 3.7-1. Stevenson Creek Watershed Management Plan Capital Cost Estimates**

<b>Project No.</b>	<b>Project Description</b>	<b>Estimated Capital Cost (2001 dollars)</b>
<u>Spring Branch</u>		
1A.1	Spring Branch Conveyance Enhancements (Lower Portion)	\$526,115
1A.2	Spring Branch Conveyance Enhancements (Upper Portion)	\$960,703
1B	Springtime Avenue and Douglas Avenue Bridges	\$830,830
1C	Spring Branch Flood Detention Basin	\$2,634,542
1D	Woodland Terrace Storm Sewer Replacement	\$446,783
1E	Byram Pond Dredging and Expansion	\$831,636
1F	Spring Branch Stabilization, Union Street to Byram Pond	\$933,969
1G	Clearview Lake	\$620,212
1H	Betty Lane Forested Habitat Preservation Site	\$1,100,000
<b>Subtotal (for alternative 2 - excluding project 1B)</b>		<b>\$8,053,960</b>
<u>Lower Stevenson</u>		
2A	Palmetto Street Sediment Sump	\$544,546
2B	N. Missouri Ave. and Palmetto St. Drainage Improvements	\$486,615
2C	Installation of Additional CDS Units	\$526,500
2D	Overbrook Avenue Detention Pond	\$1,755,860
<b>Subtotal</b>		<b>\$3,313,520</b>
<u>Middle Stevenson</u>		
3A	Glen Oaks Stormwater Detention Facility	\$2,203,240
<b>Subtotal</b>		<b>\$2,203,240</b>
<u>Upper Stevenson</u>		
4A	Hillcrest Avenue Overflow Bypass Culvert	\$2,299,109
4B	Upper Stevenson Creek Stabilization	\$1,415,843
4C	St Thomas Drive / Bellevue Boulevard Creek Restoration	\$1,801,913
<b>Subtotal</b>		<b>\$5,516,865</b>
<u>Hammond Branch</u>		
5A	Flagler Drive / CSX Railroad North Swale Improvements	\$737,241
5B	Palmetto Street Drainage Improvements	\$735,643
5C	Saturn Avenue Drainage Improvements	\$303,382
5D	Smallwood Circle Drainage Improvements	\$161,283
5E	Lake Hobart Outfall Control Structure	\$14,300
<b>Subtotal</b>		<b>\$1,951,848</b>
<u>Lk Bellevue Branch</u>		
6A	Expansion of Lake Bellevue	\$1,337,884
6B	Turner Street Box Culverts	\$1,554,761
<b>Subtotal</b>		<b>\$2,892,645</b>
<u>Jeffords St Branch</u>		
7A	Crest Lake Expansion	\$881,466
7B	Duncan Avenue/Turner Street Detention Pond	\$1,494,952
7C	Jeffords Street/Barry Road Detention Pond	\$1,690,634
<b>Subtotal</b>		<b>\$4,067,053</b>
<b>Grand Total</b>		<b>\$27,999,132</b>

