

Appendix C

Construction Cost Estimates

Notes: The unit price estimates included in this appendix will be replaced by the MCACES estimate after official selection of the recommended plan. Additionally, all structural alternatives leave one or more structures unprotected. These structures would be addressed with some form of floodproofing (the cost assumption is dry or wet floodproofing) and that cost is included in the unit price estimates. All real estate costs cited in this appendix are sourced from the estimates in the Real Estate Appendix (E).

BASIS OF COST ESTIMATE

01. GENERAL.

The unit price cost estimates have been developed for 3 alternatives on the North Gabouri Channel which include: 1) Channel and Bridges, 2) Levee and Channel and 3) Floodproofing existing homes. Unit price cost estimates were also developed for 3 alternatives on the South Gabouri Channel which include: 1) Channel and Bridges, 2) Levee and 3) Flood proofing existing homes. The unit price estimates are based on the current design concepts, data and quantities for each study alternative, and site information available to date. Pricing data was developed from recent bid information for similar construction contract work in the Ste. Genevieve, Missouri vicinity.

02. CONTINGENCIES

Contingencies were developed using the Abbreviated Risk Analysis for all of the structural and non-structural floodproofing alternatives for both the North & South Gabouri Channels.

03. PLANNING, ENGINEERING AND DESIGN

A rate 15% was applied to each of the alternatives for both the North and South Gabouri Channels. This percentage is based on the St. Louis District's average cost for planning, engineering and design for a General Revaluation Report (GRR). The floodproofing alternative PED was determined using \$10,000/structure.

04. CONSTRUCTION MANAGEMENT

These costs have a percentage of 10% applied to each alternative for both the North and South Gabouri Creeks. This percentage is based on the St. Louis District's average expenditures for construction management on a typical contract of this magnitude. The floodproofing alternative CM was determined using \$5,000/structure.

Cost Estimate Summary

Note: The summary table below includes the real estate, mitigation, and construction costs for each alternative; in addition to the calculated contingencies found in the Abbreviated Risk Analysis.

ST. GENEVIEVE TRIBUTARIES NORTH AND SOUTH GABOURI ALTERNATIVES	
DESCRIPTION	ESTIMATED AMOUNT
North Gabouri Alternatives	
Channel & Bridges - CH-BR-FP	\$16,495,000.00
Levee & Channel - L2-CH2-FP	\$10,927,000.00
Floodproofing - FP-BO	\$421,000.00
South Gabouri Alternatives	
Channel & Bridges - CH-BR-FP	\$28,996,000.00
Levee - GL-FP	\$5,917,000.00
Floodproofing - FP-BO	\$674,000.00
Recreation Plan	\$535,000.00