



2017 Coastal Master Plan

Attachment A5: Cost and Duration Attributes



Report: Final

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Coastal Protection and Restoration Authority

This document was prepared in support of the 2017 Coastal Master Plan being prepared by the Coastal Protection and Restoration Authority (CPRA). CPRA was established by the Louisiana Legislature in response to Hurricanes Katrina and Rita through Act 8 of the First Extraordinary Session of 2005. Act 8 of the First Extraordinary Session of 2005 expanded the membership, duties, and responsibilities of CPRA and charged the new authority to develop and implement a comprehensive coastal protection plan, consisting of a master plan (revised every five years) and annual plans. CPRA's mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration master plan.

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Attribute	Attribute Reporting Name	Reporting Unit	Definition	Assumptions
Implementation Year	Implem_Yr	Years	The project implementation date.	The date of implementation was calculated by adding the Engineering Duration and the Construction Duration and then the addition of one year.
Planning/Engineering and Design Duration	PED_Dur	Years	The expected length of time to complete all planning, engineering, and design activities.	Based on historical data of similar project planning durations.
Estimated Planning/Engineering and Design Cost	EstPEDCst	Dollars	Total estimated cost associated with all aspects of the planning, engineering, and design phase.	See actual cost worksheets for assumptions. Typically 10% of construction cost. 6% of construction cost for diversions greater than 50,000 cfs capacity.
Rounded Planning/Engineering and Design Cost	RndPEDCost	Dollars	Rounded cost to complete planning, engineering, and design based on the estimated P/E&D cost.	Rounded to the nearest 100,000.
Construction Duration	Con_Dur	Years	Expected length of time to complete all construction activities.	Based on average historical data of similar project construction durations.
Estimated Construction Cost	EstConCst	Dollars	Total estimated cost associated with all aspects of the construction phase including a 20% contingency.	See actual cost worksheets for assumptions.
Rounded Construction Cost	RndConCst	Dollars	Rounded cost to construct a project based on the estimated construction cost.	Rounded to the nearest 100,000.

Attribute	Attribute Reporting Name	Reporting Unit	Definition	Assumptions
Estimated Construction Management Cost	EstCMCst	Dollars	Cost for all managerial costs associated with construction of a project based on the estimated construction cost.	5% of construction cost for all projects.
Rounded Construction Management Cost	RndCMCst	Dollars	Rounded cost for all managerial costs associated with construction of a project based on the estimated construction cost.	Rounded to the nearest 100,000.
Estimated Operation and Maintenance Cost	EstOMCst	Dollars	Total estimated cost associated with all aspects of the operation and maintenance phase.	See actual cost worksheets for assumptions. Costs vary by project type.
Rounded Operation and Maintenance Cost	RndOMCst	Dollars	Rounded cost to operate and maintain a project based on the estimated operation and maintenance cost.	Rounded to the nearest 100,000.
Cost Uncertainty Factor	CstUF	Percent	Represents the uncertainty associated with the estimated construction cost.	Uncertainty of overall cost based on scale of the project, presently available info, level of prior study, and constructability.