

2.5.4 Planning/Engineering and Design Duration Rationale

The estimated P/E&D project durations were developed based on a review of past projects and current design and construction practices. Durations are the expected length of time to complete either all P/E&D or construction activities and were estimated based on CPRA Engineering Division's prior project experience. P/E&D duration includes the time and efforts associated with obtaining landowner agreements, servitudes, environmental regulatory compliance permits, and contracting agreements. Durations were estimated based on the project size and complexity, and specific duration assumptions are discussed by project type in Section 3.0. Table 14 was developed to provide guidelines for estimating project durations by project type. Table 15 was developed for estimating Nonstructural Risk Reduction project durations based on the number of structures to be mitigated within a given project. Duration attributes are included in Attachment A5.

Table 14: Duration Ranges.

	P/E&D Duration Range (Years)	Construction Duration Range (Years)
Bank Stabilization	2-3	1-4
Barrier Island/Headland	3	3
Diversions	4-6	2-7
Structural Protection	3-4	1-10
Hydrologic Restoration	2-3	1-4
Marsh Creation	2-3	1-20
Oyster Reef	3	3
Ridge Restoration	2	2
Shoreline Protection	2-3	2-4

Table 15: Duration Ranges for Nonstructural Risk Reduction Projects.

	P/E&D Duration Range (Years)	Construction Duration Range (Years)
Nonstructural Risk Reduction	N/A	0-30 Structures: 1 31-200 Structures: 2 201-500 Structures: 3 501-1000 Structures: 4 1001-2000 Structures: 5 2001+ Structures: 7