

RHODE ISLAND COASTLINE COAST RISK MANAGEMENT Final Feasibility Study and Environmental Assessment

Appendix E: Cost Engineering



**US Army Corps
of Engineers®**
New England District

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RHODE ISLAND COASTLINE COASTAL STORM RISK MANAGEMENT

Draft Feasibility Report Appendix E: Cost Engineering

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- Attachment 3: Certified Total Project Cost Summary (October 2021)
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1. COST NARRATIVE

Corps of Engineers cost estimates for planning purposes are prepared in accordance with the following guidance:

- Engineer Technical Letter (ETL) 1110-2-573, Construction Cost Estimating Guide for Civil Works, 30 September 2008
- Engineer Regulation (ER) 1110-1-1300, Cost Engineering Policy and General Requirements, 26 March 1993
- ER 1110-2-1302, Civil Works Cost Engineering, 15 September 2008
- ER 1110-2-1150, Engineering and Design For Civil Works Projects, 31 August 1999
- ER 1105-2-100, Planning Guidance Notebook, 22 April 2000, as amended
- Engineer Manual (EM) 1110-2-1304 (Tables revised 30 March 2007), Civil Works Construction Cost Index System, 31 March 2013
- CECW-CP Memorandum For Distribution, Subject: Initiatives To Improve The Accuracy Of Total Project Costs In Civil Works Feasibility Studies Requiring Congressional Authorization, 19 Sep 2007
- CECW-CE Memorandum For Distribution, Subject: Application of Cost Risk Analysis Methods To Develop Contingencies For Civil Works Total Project Costs, 3 Jul 2007
- Cost and Schedule Risk Analysis Guidance, 17 May 2009

The goals of cost engineering for the Rhode Island Coastline Coastal Storm Risk Management General Investigation are to present a Total Project Cost (construction and non-construction costs) for the Tentatively Selected Plan (TSP) at the current price level to be used for project justification/authorization and to project costs forward in time for budgeting purposes. In addition, the costing efforts are intended to produce a final product, or cost estimate, that is reliable and accurate and that supports the definition of the Government's and the non-Federal sponsor's obligations.

2. PROJECT DESCRIPTION

The study area is located along the coastline of southern Rhode Island extending approximately 23 miles from Point Judith in Narragansett to West Beach in Westport Point including Block Island as well as inland to Providence Harbor (as shown in Figure E1). There are currently more than 650,000 people residing in the 19 towns included in the study area. Approximately 75 percent of the state population resides in a 40-mile long urban/suburban corridor along the shores of Narragansett Bay. Structures in the area consist of a mix of single-family homes, apartment buildings, and commercial buildings. A considerable portion of these buildings have basements and are over 50

years old. Over 12,000 structures in the study area are designated as FEMA special flood hazard area zones VE, which means that they are inundated at 1% AEP with additional hazards associated with storm-induced waves, and AE (inundation at 1% AEP using methods with Base Flood Elevations).

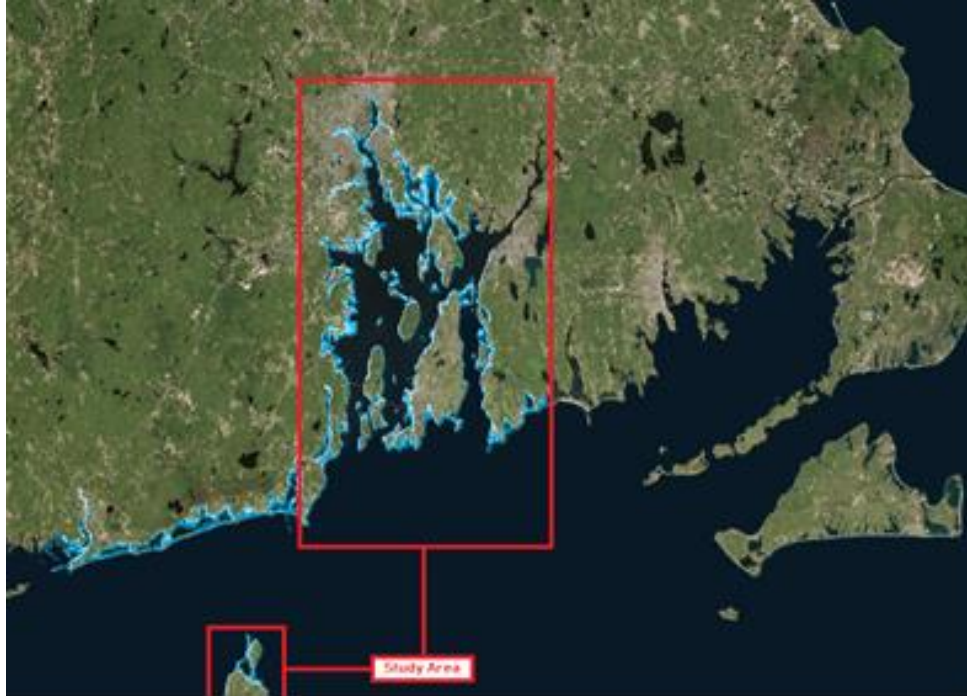


Figure E1: Study Area

Rhode Island is located in New England, south of Massachusetts and east of Connecticut. The State lies along the western shoreline of the Atlantic Ocean and is characterized by low topographic relief. Providence is the largest city located at the northern point of Narragansett Bay, followed by Cranston and Warwick. Rhode Island is bordered by Massachusetts to the north, Long Island Sound to the south, and Connecticut to the west. Following the horseshoe shape of the Rhode Island coastline from a southwest point up to the northern-most point, then southeast back down, includes the following main geographical features. Starting with Long Island Sound and moving up the coast, Narrow River runs just a few hundred feet inland parallel to Narragansett Bay. Along the way north up to Providence Harbor there are numerous coves and harbors such as Wickford Harbor and Allen Harbor. The Potowomut River meets the Narragansett Bay and runs inland towards East Greenwich. Moving slightly north again to Greenwich Bay, just south of Warwick. Narragansett Bay reaches its most northern point meeting the Providence River just south of Barrington. The Providence River then breaks off into the Pawtuxet River running west towards Cranston. The Providence River finally meets up with Providence Harbor before splitting into the Woonasquatucket River, Moshassuck River, and Seekonk Rivers. Moving south down the eastern coast of the Narragansett Bay we reach the Warren River which flows north into Barrington and Warren. Moving further south we reach

Bristol Harbor then Mt. Hope Bay, just north of Tiverton and Portsmouth. Then finally Easton Bay that splits out into the Long Island Sound.

Focus areas for the study were identified based on elevation data, structure density, and discussions with town and state officials regarding high damage-prone areas and history of coastal storm damages. A key component of choosing the study focus areas was USACE's ability to construct projects to alleviate coastal storm damage risk while contributing to the NED objective. Eleven focus areas within the regional study area were originally identified and are shown in **Figure E2** below and defined as follows:

- Area 1, furthest inland is the Providence Harbor Waterfront (Fields Point/Prov Port) area. This area is primarily industrial; containing important supplies for State infrastructure.
- Area 2, furthest east along the coast is the Newport Reservoirs and Newport Downtown area. This area contains a very densely populated community with a large mix of residential and commercial structures as well as being a large tourist destination.
- Area 3, in the northern part of the study area there is Barrington/Warren/Bristol Rhode Island (Structures and Rte 114). This area contains one of the only exit roads to the mainland for the areas of Jamestown, Newport, Middletown and Portsmouth.
- Area 4, The Newport Bridge Approach (Jamestown). This bridge connects the island of Jamestown to both Newport and North Kingstown.
- Area 5, The Narrow River (Narragansett) runs behind a peninsula in Narragansett that contains residential structures. This river also opens into Long Island Sound.
- Area 6, Warwick Neck is a plot of land that extends into Narragansett Bay while also being surrounded by Warwick cove.
- Area 7, Wickford Village (North Kingstown) is a densely populated area containing shops and residential homes. This area is very close to Wickford Cove.
- Area 8, Island Park/Common Fence Point (Portsmouth) is a very water forward area. There are residential structures.
- Area 9, Corn Neck Road (Block Island) is a main road. Runs from the northern tip of the island to about the midway point along the eastern coast.

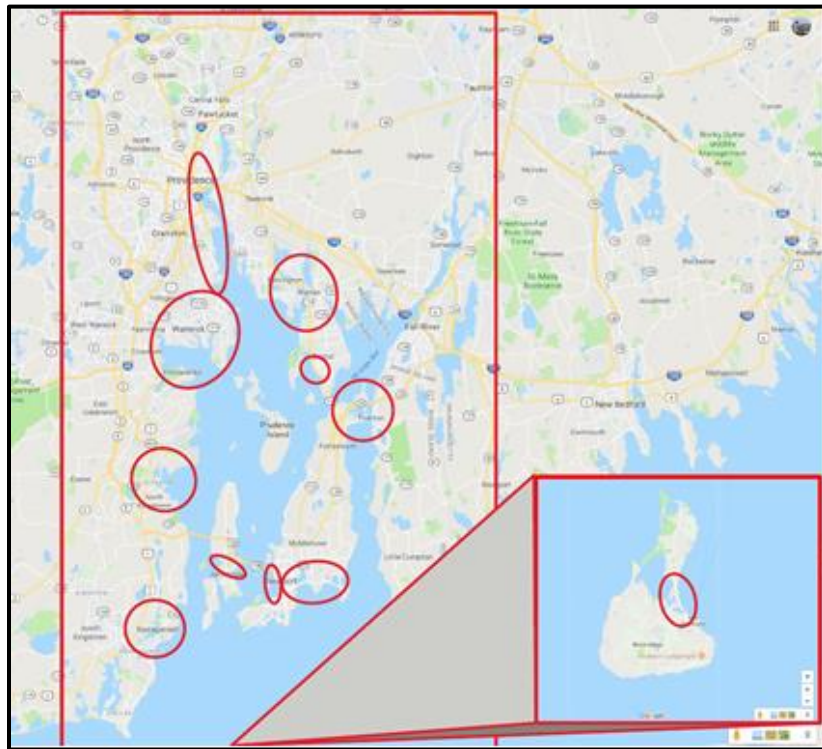


Figure E2: Focused Study Areas

The study is authorized by the following: a resolution adopted by the Senate Public Works Committee dated 12 September 1969, resolution adopted by the Senate Committee on Environment and Public Works dated August 2, 1995 and by Public Law (PL) 84-71. The purpose of the study is to identify which areas within the overall study area are most vulnerable to coastal storm risk and then investigate a combination of structural and non-structural measures and alternatives that if implemented might significantly reduce storm induced damages in those areas.

3. ALTERNATIVES

The Feasibility Study plan formulation considered a range of structural and nonstructural measures to reduce the risk of storm damage in the study areas. Coastal storm risk management measures were developed to address problems and to capitalize upon opportunities described in the main report. They were derived from a variety of sources including prior studies, the public scoping process, and the Project Delivery Team (PDT). The following management measures were considered:

- No Action
- Nonstructural
 - Elevate Structures
 - Wet Floodproofing
 - Dry Floodproofing
 - Buy-out/Acquisition
 - Relocation
 - Land Use Development Regulations
 - Emergency Response Plan
- Structural

- Storm Surge Barriers
- Breakwaters/Groins
- Shoreline Stabilization
- Road Raisings
- Levees/Floodwalls/Seawalls
- Tide Gates
- NNBF
 - Living Shorelines
 - Reefs
 - Beach Nourishment

Through an iterative planning process, potential coastal storm risk management measures were identified, evaluated, and compared. Net benefits and benefit-to-cost ratios (BCRs) were reviewed to determine the viability of each alternative based on an economic justification.

3.1. Initial Alternatives Screening

Due to the size and complexity of the assessment, initial and secondary screenings were conducted toward the beginning of the study to rule out unsuitable measures that clearly would not contribute to NED objectives. The initial screening was strictly qualitative. The second screening, while mostly qualitative, did include development of rough costs and benefits for the measures that were brought forward from the initial screening. NACCS parametric costs were used to develop project costs and NSI structure data was used to develop rough BCRs. The Average Annual Benefits (AAB) was calculated using the, then current, Federal project evaluation discount rate for fiscal year 2020 of 2.75 percent, a price level of FY2020, and a period of analysis of 50 years. **Table E1** summarizes the estimated Average Annual Cost (AAC) and AAB for considered measures.

Table E1: Initial Array of Alternatives/Measures

Initial Array of Measures			
ID #	Description	Location	Management Measure
NAA	No Action	Entire Study Area	N/A
NS	Nonstructural	Entire Study Area	Structure Raising/Floodproofing
R3	3-Segment Narragansett Bay Barrier	Entire Study Area	Storm Surge Barrier
R4	2-Segment Narragansett Bay Barrier	Entire Study Area	Storm Surge Barrier
J1	No Action	Jamestown	N/A
J2	Newport Bridge Approach Protection	Jamestown	Levee/Floodwall
ND1	No Action	Newport Downtown	N/A
ND2	Nonstructural	Newport Downtown	Structure Raising/Floodproofing
ND3	Point Area Perimeter	Newport Downtown	Point Area Floodwall
ND4	Wellington Perimeter	Newport Downtown	Wellington Area Floodwall/Levee
NR1	No Action	Newport Reservoirs	N/A
NR2	Easton Pond Perimeter Only	Newport Reservoirs	Easton Pond Perimeter Levee

Initial Array of Measures			
ID #	Description	Location	Management Measure
NR3	Memorial Boulevard Barrier Only	Newport Reservoirs	Memorial Boulevard Barrier Levee
NR4	Gardner Pond Barrier only	Newport Reservoirs	Gardner Pond Perimeter Levee
NR5	Sachuest Road	Newport Reservoirs	Sachuest Road Floodwall/Dune
BI1	No Action	Block Island	No Action
BI2	Corn Neck Road Raising	Block Island	Elevation of Corn Neck Road
BI3	Corn Neck Road Beach Nourishment	Block Island	Beach Nourishment
BI4	Corn Neck Road Stabilization (Hard)	Block Island	Rock Revetment
BI5	Corn Neck Road Stabilization (NNBF)	Block Island	Sill/Reef-based Living Shoreline
BI6	Corn Neck Road Stabilization & NNBF	Block Island	Combination of Revetment & NNBF
PO1	No Action	Portsmouth	N/A
PO2	Nonstructural	Portsmouth	Structure Raising/Floodproofing
PO3	Common Fence Perimeter	Portsmouth	Floodwall/Levee
PO4	Island Park Perimeter	Portsmouth	Floodwall/Levee
BW1	No Action	Barrington/Warren	N/A
BW2	Nonstructural	Barrington/Warren	Structure Raising/Floodproofing
BW3	Warren River Surge Barrier (Upper)	Barrington/Warren	Surge Barrier
BW4	Warren River Surge Barrier (Lower)	Barrington/Warren	Surge Barrier
BW5	Mathewson Road Protection	Barrington/Warren	Rock Revetment
BW6	Belchers Cove Perimeter	Barrington/Warren	Belchers Cove Levee/Floodwall
BW7	Route 114 Floodproofing	Barrington/Warren	Route 114 Levee/Floodwall
BR1	No Action	Bristol	N/A
BR2	Nonstructural	Bristol	Structure Raising/Floodproofing
BR3	Bike Path Levee	Bristol	Raise Existing Bike Path
PR1	No Action	Providence	N/A
PR2	Nonstructural	Providence	Structure Raising/Floodproofing
PR3	Providence Harbor Bulkhead	Providence	Bulkhead
PR4	Fields Point Levee/Bulkhead	Providence	Levee/Floodwall
WA1	No Action	Warwick	N/A
WA2	Nonstructural	Warwick	Structure Raising/Floodproofing
WA3	West Shore Road Barrier	Warwick	Bulkhead/Floodwall/Levee
NA1	No Action	Narragansett	N/A
NA2	Nonstructural	Narragansett	Structure Raising/Floodproofing
NA3	Pier Area Protection	Narragansett	Floodwall/Levee/Revetment
NA4	Middle Bridge Protection	Narragansett	Middle Bridge Barrier

3.2. Second Screening Iteration

The second screening iteration involved a quantitative analysis. During this screening iteration, measures were combined into a basic initial array of alternatives. Rough costs and benefits were developed for the measures that were brought forward from the initial screening. NACCS parametric costs were used to develop project costs and National Structure Inventory structure data was used to develop rough Benefit/Cost Ratios

Table E2: Initial array of alternatives after the second screening iteration

Alternative		Location	Measures	Project Cost (\$)	Annual Cost (\$)	Annual Damage Reduced (\$)	BCR	Carried Forward?
NAA	No Action	Entire Study Area	N/A	N/A	N/A	N/A	N/A	YES
NS	Non-Structural	Entire Study Area	Structure Raising/Floodproofing	848,200,000	32,189,190	111,498,877	3.46	YES
R3	3-Segment Narragansett Bay Barrier	Entire Study Area	Storm Surge Barrier	23,175,000,000	879,491,250	200,697,978	0.23	NO
R4	2-Segment Narragansett Bay Barrier	Entire Study Area	Storm Surge Barrier	55,575,000,000	2,109,071,250	200,697,977	0.10	NO
J1	No Action	Jamestown	N/A	N/A	N/A	N/A	N/A	YES
J2	Newport Bridge-Approach Protection	Jamestown	Levee/Floodwall	33,120,000	1,256,904			YES
ND1	No Action	Newport Downtown	N/A	N/A	N/A	N/A	N/A	YES
ND2	Non-Structural	Newport Downtown	Structure Raising/Floodproofing	75,200,000	2,853,840	4,288,786	1.50	YES
ND3	Point Area Perimeter Only	Newport Downtown	Point Area Floodwall	28,885,000	1,096,186	2,143,367	1.96	YES
ND4	Wellington Perimeter Only	Newport Downtown	Wellington Area Floodwall/Levee	11,289,411	428,433	565,108	1.32	YES
ND5	Point and Wellington Area Perimeter Protection	Newport Downtown	Combination	40,174,411	1,524,619	2,708,475	1.78	YES
NR1	No Action	Newport Reservoirs	N/A	N/A	N/A	N/A	N/A	NO
NR2	Easton Pond Perimeter Only	Newport Reservoirs ¹	Easton Pond Perimeter Levee	28,800,000	1,092,960	N/A	N/A	NO
NR3	Memorial Blvd Barrier Only	Newport Reservoirs ¹	Memorial Blvd Floodwall	19,240,000	730,158	N/A	N/A	NO
NR4	Gardner Pond Barrier Only	Newport Reservoirs ¹	Gardner Pond Perimeter Levee	13,440,000	510,048	N/A	N/A	NO
NR5	Sachuest Rd Barrier Only	Newport Reservoirs ¹	Sachuest Rd Floodwall/Dune	25,875,000	981,956	N/A	N/A	NO
NR6	Easton Pond and Gardner Pond Barrier	Newport Reservoirs ¹	Combination	42,240,000	1,603,008	N/A	N/A	NO
NR7	Memorial Blvd and Gardner Pond Barrier	Newport Reservoirs ¹	Combination	32,680,000	1,240,206	N/A	N/A	NO
NR8	Easton Pond and Sachuest Rd Barrier	Newport Reservoirs ¹	Combination	54,675,000	2,074,916	N/A	N/A	NO
NR9	Memorial Blvd and Sachuest Rd Barrier	Newport Reservoirs ¹	Combination	45,115,000	1,712,114	N/A	N/A	NO

Alternative		Location	Measures	Project Cost (\$)	Annual Cost (\$)	Annual Damage Reduced (\$)	BCR	Carried Forward?
BI1	No Action	Block Island	No Action	N/A	N/A	N/A	N/A	YES
BI2	Corn Neck Road Raising	Block Island	Elevate Corn Neck Road	25,875,000	981,956			YES
BI3	Corn Neck Road Beach Nourishment	Block Island	Beach Nourishment	28,800,000	1,092,960			YES
BI4	Corn Neck Road Stabilization (Hard)	Block Island	Rock Revetment	3,000,000	113,850			YES
BI5	Corn Neck Road Stabilization (NNBF)	Block Island	Sill/Reef-based Living Shoreline ²	2,700,000	102,465	N/A	N/A	NO
BI6	Corn Neck Road Stabilization and (NNBF)	Block Island	Combination ²	5,700,000	216,315	N/A	N/A	NO
PO1	No Action	Portsmouth	N/A	N/A	N/A	N/A	N/A	YES
PO2	Non-Structural	Portsmouth	Structure Raising/Floodproofing	34,600,000	1,313,070	395,724	0.30	YES
PO3	Common Fence Perimeter	Portsmouth	Floodwall/Levee	79,005,000	2,998,240	207,580	0.07	NO
PO4	Island Park Perimeter	Portsmouth	Floodwall/Levee	70,380,000	2,670,921	476,897	0.18	NO
PO5	Common Fence and Island Park Barrier	Portsmouth	Combination	149,385,000	5,669,161	684,477	0.12	NO
BW1	No Action	Barrington/Warren	N/A	N/A	N/A	N/A	N/A	YES
BW2	Non-Structural	Barrington/Warren	Structure Raising/Floodproofing	207,400,000	7,870,830	7,666,354	0.97	YES
BW3	Warren River Surge Barrier (upper)	Barrington/Warren	Surge Barrier	9,600,000	364,320	12,156,303	33.37	YES
BW4	Warren River Surge Barrier (lower)	Barrington/Warren	Surge Barrier	1,128,200,000	42,815,190	13,507,004	0.32	YES
BW5	Mathewson Road Protection	Barrington/Warren	Rock Revetment	3,900,000	148,005	110,892	0.75	NO
BW6	Belchers Cove Perimeter	Barrington/Warren	Belchers Cove Levee/Floodwall	31,050,000	1,178,348	3,500,953	2.97	YES
BW7	Route 114 Floodproofing	Barrington/Warren	Route 114 Levee/Floodwall	67,333,333	2,555,300			YES
BW8	Belchers Cove and Route 114 Protection	Barrington/Warren	Combination	98,383,333	3,733,648			YES
BR1	No Action	Bristol	N/A	N/A	N/A	N/A	N/A	YES
BR2	Non-Structural	Bristol	Structure Raising/Floodproofing	14,200,000	538,890	556,846	1.03	YES
BR3	Bike Path Levee	Bristol	Raise Existing Bike Path	8,320,000	315,744	501,161	1.59	YES

Alternative		Location	Measures	Project Cost (\$)	Annual Cost (\$)	Annual Damage Reduced (\$)	BCR	Carried Forward?
PR1	No Action	Providence	N/A	N/A	N/A	N/A	N/A	YES
PR2	Non-Structural	Providence	Structure Raising/Floodproofing	10,600,000	402,270	517,004	1.29	YES
PR3	Providence Harbor Bulkhead	Providence	Bulkhead	46,080,000	1,748,736	568,704	0.33	YES
PR4	Fields Point Levee/Bulkhead	Providence	Levee/Bulkhead	43,750,000	1,660,313	568,704	0.34	NO
PR5	Providence Harbor/Fields Point Combo	Providence	Combination	90,080,000	3,418,536	930,606	0.27	NO
WA1	No Action	Warwick	N/A	N/A	N/A	N/A	N/A	YES
WA2	Non-Structural	Warwick	Structure Raising/Floodproofing	101,200,000	3,840,540	2,060,341	0.54	YES
WA3	West Shore Road Barrier	Warwick	Levee/Floodwall	42,780,000	1,623,501	80,177	0.05	NO
NK1	No Action	North Kingstown	N/A	N/A	N/A	N/A	N/A	YES
NK2	Non-Structural	North Kingstown	Structure Raising/Floodproofing	50,400,000	1,912,680	2,130,424	1.11	YES
NK3	Wickford Village Perimeter	North Kingstown	Bulkhead/Floodwall/Levee	49,920,000	1,894,464	2,789,058	1.47	YES
NA1	No Action	Narragansett	N/A	N/A	N/A	N/A	N/A	YES
NA2	Non-Structural	Narragansett	Structure Raising/Floodproofing	39,400,000	1,495,230	2,015,123	1.35	YES
NA3	Pier Area Protection	Narragansett	Floodwall/Levee/Revetment	27,440,000	1,041,348	80,790	0.08	NO
NA4	Middle Bridge Protection	Narragansett	Middle Bridge Surge Barrier	5,520,000	209,484	3,022,684	14.43	YES
NA5	Pier Area and Middle Bridge	Narragansett	Combination	32,957,200	1,250,726	3,103,474	2.48	NO

1 – All Newport Reservoirs alternatives were removed from consideration due to disinterest from Reservoir managers.

2 – NNBF were eliminated because they were determined not to be effective at decreasing storm surge

Row Legend

White – Alternatives with BCRs greater than 1.0 and were kept for further analysis

Light Gray – Alternatives that didn't have enough information to develop an accurate BCE and were carried forward to the next screening.

Dark Gray – Alternatives removed from consideration because their BCR was lower than 1.0.

(BCRs). Alternatives fell into three categories. The first group were alternatives were removed from consideration, because they had a BCR significantly lower than 1.0. The next group of alternatives had BCRs greater than 1.0 and were carried forward to the next round of screenings. For the remaining alternatives, the PDT did not have enough information to develop accurate BCRs at that point in the study. These alternatives were also carried forward into the next screening iteration.

There were a number of alternatives that were removed from consideration during this iteration without the development of a BCR. All alternatives that involving the Newport Reservoirs were removed from consideration. The facility staff indicated that they did not want to participate in the project and declined to provide data necessary to complete the analysis. NNBFs were also removed from consideration. In compliance with WRDA of 2016, Section 1184(b), the PDT considered two (2) NNBFs (living shorelines and reefs) as management measures for the RIC study. The main coastal hazard within the RIC study area is storm surge. Both reefs and living shorelines are more effective at dissipating wave energy, and less effective at decreasing storm surge. While living shorelines such as marshes have been shown to decrease storm surge in some settings, they require large areas on the order of miles, to be effective. No opportunities for such a large-scale project were located within the study area.

3.3. Third Screening Iteration

Following this second screening, a third screening iteration was completed on all alternatives carried through from the previous screening iterations and the No Action Alternative were evaluated against the P&G criteria of completeness, effectiveness, efficiency, and acceptability. Additionally, the PDT took a more in-depth look at the remaining alternatives, again considering constructability, design, environmental impacts. The results of this screening resulted in the final array of alternatives which were carried forward for evaluation.

3.4. Final Array of Alternatives

The following alternatives were included in the final array of alternatives:

No Action Alternative: Under this Alternative, no Federal action would be taken to reduce flooding risk to the properties within the study areas. Implementation of the No Action Alternative (NAA) would result in the Future without project condition. Although the NAA provides no coastal storm risk management, is required to be included in the study by USACE regulations. The NAA serves as a baseline against which the proposed alternatives can be evaluated. Evaluation of the NAA involves assessing the economic and environmental effects that would result over the period of analysis if the proposed action did not take place.

Nonstructural Alternatives – Four nonstructural alternatives were developed that include elevation, floodproofing, and/or acquisition of structures throughout the entire study area.

Barrington/Warren – Lower Surge Barrier: This alternative is a surge barrier that includes 1,000 LF in-water structure and a 2,000 LF approach levee. The structure would start near Bourne Lane in Barrington, then it would cross Warren River and ending near Burrs Hill Park.

Barrington/Warren - Upper Warren Surge Barrier: This alternative is a surge barrier that consists of two (2) in-water structures and 5,800 LF of land-based levees/floodwalls. The structure would start at Bike Path/Shaws in Barrington, then run along Bike Path Bridges. The alternative would end in Warren near Tourister Mill building.

Narragansett – Middle Bridge Barrier: This alternative is a closure structure across Narrow River at Middle Bridge that includes 500 LF in-water structure and 2,000 LF approach levee.

Newport - Wellington Levee/Floodwall: This alternative consists of a 2,100 LF of Levee/Floodwall along Wellington Ave. High ground tie-ins at Wellington Ave and Columbus Ave.

Providence – The Port of Providence: The Port of Providence is New England’s second biggest deep-water port. The port includes 4,200 feet of berthing space, 115 acres, 20 acres of open laydown area and 40 feet alongside water depth. The primary exports are scrap metals, automobiles and project equipment and materials. This port is part of an intermodal transportation system in Rhode Island that includes two major highways that are less than one (1) mile away from the port, railway capable of supporting double stack service and the deep-water port itself.

Early in the planning process, it was determined that the port area is an extremely complicated system with diverse facilities and stakeholders. Many challenges were discovered which led to the recommendation of this study that Prov Port should be the subject of its own study.

3.5. Structural Analysis

Structural measures analyzed include the following: Barrington/Warren – Lower Surge Barrier, Barrington/Warren - Upper Warren Surge Barrier, Narragansett – Middle Bridge Barrier, and Newport - Wellington Levee/Floodwall. Each of these measures was evaluated for protection consistent with a 100-yr storm event.

3.6. Nonstructural Analysis

Nonstructural measures are permanent or contingent measures applied to a structure and its contents that prevent or provide resistance to damage from flooding. Existing structures within the study area were identified and considered for either acquisition, floodproofing or elevation. Nonstructural measures differ from structural measures in that they reduce the consequences of flooding instead of reducing the probability of flooding.

Participation in elevation and floodproofing is voluntary, an outreach plan will be collaboratively developed with the NFS to ensure that all eligible owners are notified and have an opportunity to participate. For modeling and plan formulation purposes, the nonstructural economic analysis assumes full participation. However, a sensitivity analysis using varying participation rates will be conducted to ensure that the net benefit will be greater than zero and the BCR will be higher than unity for the Recommended Plan with less than full participation. Participation in acquisitions are mandatory in accordance with Planning Bulletin 2019-03.

3.6.1. Nonstructural Measures

Elevation was considered for single family residences. The elevation design height was determined separately for each structure based on the 1% AEP NACCS water level + wave contribution + sea level change (intermediate through 2080). Costs for elevation were estimated based on structure type and foundation heights, height of raising, as well as square footage.

Floodproofing was considered for non-residential structures and large multi-family structures not in a designated VE Zone and without a basement. For floodproofing, a 3 feet height was assumed for all measures. However, this assumes a watertight barrier of 3 feet around the structure. It should be noted that, where applicable, additional measures, such as closures for windows and doors, may be appropriate and may provide a higher-level protection than evaluated in this analysis. Costs for floodproofing were estimated based on various ranges of structure square footage.

Acquisition was considered for single family residences expected to be inundated at the highest annual tide with the 2080 USACE Intermediate SLC scenario or have access roads which would be cutoff from utility access at this flood level. Cost of acquisition were developed based on available city tax assessment data adjusted as necessary and included various cost components. More details on the methodology used to develop acquisition costs can be found in the real estate appendix.

3.6.2. Baseline Structures

The selection of structures for nonstructural measures is an iterative process. Nonstructural investigation included the entire study area and were not limited to the eleven problem areas. The structures were initially considered if located within the 100-year floodplain and aggregated into an initial inventory of approximately 12,000 buildings.

Since ground elevation was used to determine the initial inventory, FFE was examined to determine if it is estimated to be 1 foot or greater below a water level threshold. This threshold was calculated as the 1% or 0.5% AEP water level estimated for 2084 plus additional wave action according to the FEMA Special Flood Hazard Area. Structures in Zone VE or with a basement were also screened from consideration of floodproofing.

Lastly, a screening was applied by determining whether the future without project damages to was large enough to support the calculated cost of the nonstructural measure using a threshold of \$125,000. This value was a considered a very

conservative estimate since it was based on half of the lowest cost estimated for floodproofing. It should be noted that structures that fell into this category were brought back into consideration if determined to be located in socially vulnerable areas.

This aggregation resulted in a Baseline Inventory of 1033 structures, 757 that are single family residential and 276 which are non-residential. Non-residential structures include commercial properties and multi-family housing, such as apartment buildings. The number of structures evaluated for elevations and floodproofing in each model area can be seen in **Table E3**.

Table E3: Nonstructural Analysis, Number of Structures by Measure and Modal Area

Modal Area	Elevation	Floodproofing	Total
MA_BI1	1	0	1
MA_BI2	2	10	12
MA_BRI1	56	9	65
MA_CRA1	11	9	20
MA_GB1	63	25	88
MA_LC1	3	2	5
MA_MTHB1	42	1	43
MA_NAR1	76	5	81
MA_NPT1	55	47	102
MA_NPT2	39	3	42
MA_PVD1	0	41	41
MA_SAKM1	11	0	11
MA_SAKN1	79	1	80
MA_WAR1	161	66	227
MA_WICK1	158	57	215
Grand Total	757	276	1033

3.6.3. Community Groups

Structures included in the baseline inventory were divided into approximately 30 community groups using the following three criteria:

Town Boundaries - All but two (2) community groups were located within a single town and did not cross town boundaries. Town boundaries were considered important

because structures within the same town share the same infrastructure and town governments.

Modeling Areas - Areas with similar water levels during storm events were developed for modeling purposes. Water levels can vary greatly depending on where location within the study area for a particular storm event, so it was necessary to delineate them by areas of similar water levels. Each community group fell within a single modeling group.

Structure Groups - Community groups were made up of structures that are located on proximity to other structures. Community groups consisted of anywhere from five (5) to 153 structures, both residential and non-residential. 74 structures were not located near any other structures, so were not part of any community group. These were identified as outliers and were removed from consideration.

The number of structures included in each community group and locality can be seen the following table.

Table E4: Structure types by community groups

Community Group Name	Town	Residential	Non-Residential
Barrington	Barrington	66	11
Block Island	Block Island	2	10
Bristol Downtown	Bristol	14	8
Common Fence Point	Portsmouth	25	0
Cranston Mall	Cranston	0	5
Downtown Warwick	Warwick	5	12
East Greenwich	East Greenwich	0	10
Fort Ave	Cranston	9	3
Island Park	Portsmouth	50	0
Laurel Park	Warren/Bristol	37	0
Little Tree Point	North Kingston	24	0
Nannaquaket Pond	Tiverton	13	1
Narragansett	Narragansett	26	3
Newport Downtown	Newport	85	38
Newport North	Newport	3	8
Oakland Beach	Warwick	28	2
Potowomut	Warwick	5	0
Port of Providence 1	Providence	0	35
Quonset Airport	North Kingston	0	9
Sakonnet	Little Compton	3	2
Sakonnet North	Tiverton	8	0
Sakonnet South	Tiverton	10	0
Shawomet	Warwick	21	3
Shore Acres	North Kingston	7	0
South Kingston	South Kingston	38	0

Community Group Name	Town	Residential	Non-Residential
The Hummocks	Portsmouth	7	0
Tiverton/Little Compton	Tiverton/Little Compton	9	0
Warren	Warren	64	49
Warwick Neck	Warwick	29	0
West Passage	North Kingston	9	0
Wickford	North Kingston	113	40
Outliers		47	27

3.6.4. Nonstructural Plans

Three nonstructural plans were developed for this analysis, Plans NS-A, NS-B, and NS-C.

Plan NS-A - For the first plan costs and benefits for elevations for residential properties and floodproofing for non-residential floodproofing were developed for each community group. Twelve community groups had a BCR >1.0, while the remaining community groups had a BCR <1.0. Three community groups had a BCR of 0.9. At this point, there is a large amount of uncertainty in this initial economic analysis due to large contingency and the preliminary in nature of the cost analysis. For that reason, the three (3) community groups with a BCR of 0.9 were included with the 12 groups that have a BCR above 1.0 to create the NED Plan. Additional cost analysis will be completed after the TSP milestone meeting to reduce the uncertainty. Currently this plan includes 494 total structures – 313 residential recommended for elevation and 181 non-residential recommended for floodproofing.

Plan NS-B – Vulnerable Communities - Plan NS-B addresses socially vulnerable populations within the project area. The CDC Social Vulnerability Index (SVI). The CDC defines social vulnerability as “the potential negative effects on communities caused by external stresses on human health. Such stresses include natural or human-caused disasters, or disease outbreaks. Reducing social vulnerability can decrease both human suffering and economic loss.” The index uses U.S. Census data to determine the social vulnerability of every census tract. The CDC SVI ranks each tract on 15 social factors, including poverty, lack of vehicle access, and crowded housing, and groups them into four related themes. These themes include Socioeconomic status, Household Composition, Race/Ethnicity/Language and Housing and transportation. A numerical ranking is assigned to each tract for each of the four (4) themes, in addition to an overall ranking. For the RI Coastline Study, the overall ranking was used to identify socially vulnerable communities.

Plan NS-A was used as the baseline for Plan NS-B. The first part of the social vulnerability analysis involved the community groups that were developed from the Baseline Inventory. Four (4) community group are located in vulnerable communities. Two (2) communities (Quonset Airport & Fort Ave) had a BCR >1.0 so were already included in Plan NS-A. The two (2) other communities (Oakland Beach & Port of Providence 1) were not included in the Plan NS-A because their BCR is <1.0. Oakland

Beach and Port of Providence 1 were included in the Plan NS-B, adding 28 residential properties and 37 non-residential properties into the plan.

The second step in the creation of Plan NS-B involved the Initial Inventory. The PDT reevaluate the approximately 12,000 structures included in the Initial Inventory to identify structures in vulnerable communities that weren't included in the Baseline Inventory. Only areas identified by the CDC SVI over .75 were evaluated. 51 additional structures, not included in the community groups, were found. These properties were divided into three (3) additional community groups (Port of Providence 2, Newport NE & Quonset Airport 2) and added into the plan.

Plan NS-B includes 348 residential properties that will be recommended for elevations and 262 non-residential properties that will be recommended for floodproofing.

Plan NS-C – Flooded and Isolated Structures - Plan NS-C considered Health and Safety of the residents living within the study area by assessing structures that would be cut off from essential services and utilities due to future flooding caused by SLR and storm flooding. This was done by mapping the inundation of the highest annual tide with the 2080 USACE Intermediate SLC scenario. Residential structures that were predicted to be inundated at this future flood level were recommended for acquisition, instead of elevations. Additionally, there are residential properties that would be cut off from essential services and utilities because all access (i.e., roads and bridges) would be inundated at this future flood level. The structures on these properties were also included for buy-outs. This element of Plan NS-C's rationale was that private properties experiencing consistent flooding would no longer be safe to inhabit because they would be cut off from essential services and utilities. Therefore, moving the buildings out of the floodplain, instead of elevating them, would reduce repetitive flooding, promote safety and increase community resiliency. The final element of Plan NS-C addressed non-residential structures. All non-residential structures that would be inundated at this future flood level would not be included in the plan. Because these properties would regularly experience flooding (at the highest annual tide), floodproofing measures would be insufficient to stop property damage. The state and property owners would have to consider other measures to address these properties.

This plan was developed using the community groups formulated in Plan NS-A. An economic analysis as completed, which included three (3) elements:

1. Acquisitions for residential properties that would be consistently flooded at the future flood level (i.e., Mean Higher High Water plus 1.5ft using the USACE intermediate SLC model),
2. Elevations for residential properties that would be flooded at the future flood level,
3. Floodproofing for non-residential properties that would not be consistently flooded at the future flood level.

Because the cost of acquisition is so much higher than the cost of elevations, only seven (7) of the original 31 community groups had a BCR greater than 0.9 (Table 3-5). As a result, Plan NS-C is a much smaller plan. Plan NS-C includes 21 elevations, five (5) acquisitions and 41 floodproofings.

3.7. Critical Infrastructure

Coastal storm risk management measures for critical infrastructure was analyzed as part of this study. A list of facilities, initially developed from the Rhode Island Emergency Management Office, the Department of the Interior, as well as various Rhode Island localities, were preliminarily identified as critical infrastructure. This included airports, communication sites, electrical substations, emergency facilities (EMS and fire stations, hospitals, police stations), HazMat facilities (e.g., wastewater treatment plants), nursing homes, and schools. There were a total of 73 facilities preliminarily identified as critical within the designated 100-year floodplain. The list was refined down to 55 structures and/or sites to be considered for coastal storm risk management measures. The formulation strategy was to provide coastal storm risk management measures for critical infrastructure as part of the nonstructural component of the alternative plan selected for recommendation, regardless of whether or not the critical infrastructure is located in a community group that is otherwise economically justified. As such, critical infrastructure could be incorporated throughout the study area, including those areas where no other nonstructural action is recommended.

Preliminary costs and benefits for providing coastal storm risk management for critical infrastructure was developed for those facilities identified to have associated buildings that could potentially be protected by dry floodproofing. Of the refined list discussed previously, there were 43 critical infrastructure sites that had identified buildings on the

Table E5: Critical Infrastructure

Type of Critical Infrastructure	Number of Sites	Number & Type of Structure
Airport	1	0
Electrical Power Station	9	7 Buildings/ 8 Substations
Energy Production	1	1 Building
Fire/police	4	5 Buildings
FP - Chemical/Single Building	3	3 Buildings
Nursing Home/ Assisted Living	4	4 Buildings
School	6	9 Buildings
Sewer	24	21 Buildings/ 10 Underground Facilities
Structural - WWTF	1	1
Tank Farm	2	2
Total	55	53 Buildings 10 Underground Facilities 8 Substations

premises. Due to the individualized characteristics associated with critical infrastructure, further investigation on both the costs and benefits is necessary prior to making a decision regarding inclusion in the recommended plan for this study. A summary of the number and types of critical infrastructure considered in the analysis can be seen in the following table.

4. EVALUATION OF ALTERNATIVES

The final array of alternatives carried forward for evaluation included the No Action Alternative (NAA), four (4) nonstructural alternatives (NS) (A, B, and C), a surge barrier in the lower portion of the Warren River (BW4), a surge barrier in the upper portion of the Warren River (BW3), a surge barrier at Middle Bridge (NA4), and a floodwall and levee system at Wellington (ND3). **Table E6** summarizes the structural alternative costs (assumed Program Year 2023) while **Table E7** summarizes the nonstructural alternative costs (assumed Program Year 2021).

Table E6: Structural Alternative Cost Summary (Project First Costs)¹

	Lower Warren River Barrier (BW4)	Upper Warren River Barrier (BW3)	Middle Bridge Barrier (NA4)	Wellington Floodwall & Levee (ND3)
Initial Construction	\$496,628,000	\$542,182,000	\$99,260,000	\$32,683,000
Maintenance	\$69,419,000	\$119,003,000	\$5,950,000	\$0
Lands and Damages	\$0	\$0	\$0	\$0
PED	\$35,880,000	\$45,771,000	\$5,961,000	\$3,440,000
S&A	\$13,979,000	\$13,979,000	\$8,414,000	\$1,310,000
Mitigation	\$72,099,000	\$68,336,000	\$30,800,000	\$0
Total	\$688,005,000	\$789,271,000	\$150,385,000	\$37,433,000

1 - Project First Cost assumes Program Year to be FY23 and includes Maintenance. Without Maintenance, Project First Costs for the barrier alternatives would be \$526,179,000, \$579,488,000, and \$106,254,000 for the Lower Warren River Barrier (BW4), Upper Warren River Barrier (BW3), and the Middle Bridge Barrier (NA4), respectively.

Table E7: Nonstructural Alternative Cost Summary (Project First Costs)

	NS-A	NS-A.1	NS-B	NS-C
Elevations	\$64,242,000	\$83,515,000	\$71,028,000	\$4,663,000
Floodproofing	\$46,359,000	\$68,599,000	\$68,926,000	\$10,270,000
Relocations	\$0	\$0	\$0	\$819,000
Lands and Damages	\$11,490,000	\$14,449,000	\$14,114,000	\$4,749,000
PED	\$18,772,000	\$25,639,000	\$23,180,000	\$2,419,000
Construction Management	\$4,958,000	\$6,954,000	\$6,464,000	\$813,000
Contingency	\$42,597,000		\$53,702,000	\$6,061,000
Total	\$188,418,000	\$199,156,000	\$237,414,000	\$29,794,000

There are four (4) accounts to facilitate and display the effects of alternative plans in the formulation of water resource projects while recognizing the importance of

maximizing potential benefits relative to project costs. These accounts include National Economic Development (NED), Environmental Quality (EQ), Regional Economic Development (RED), and Other Social Effects (OSE). The results from the “System of Accounts Analysis are provided in Table 3.14. Plan NS-A maximized NED benefits and the Warren River Upper Surge Barrier maximized RED benefits. The Providence Harbor structural alternative and nonstructural plans NS-A, and NS-C all received the highest scores for OSE benefits. The Providence Harbor structural alternative also received the highest score for EQ benefit. However, it was difficult to compare a localized plan, such as the Providence Harbor alternative, with the regional nonstructural plans. Although the Providence Harbor plan would provide significant environmental benefits, these benefits would only be experienced in the immediate vicinity of the Port. The nonstructural plans would produce minor environmental benefits throughout the entire region, so the comparison of a structural and nonstructural plans provides limited insight when trying to compare the structural and nonstructural plans.

The National Economic Development (NED) plan is Plan NS-A. Plan NS-A. has the higher Average Annual Net Benefit of the plans under consideration

5. RECOMMENDED PLAN (RP)

5.1. Plan Refinement

To be as inclusive as possible and reduces the greatest amount of flood risk in the study area, two (2) refinements were made to Plan NS-A. These refinements resulted in the inclusion of an additional 39 structures to the TSP. This plan will be referred to as NS-A.1.

The first refinement added non-residential structures from four (4) community groups (Barrington, Bristol Downtown, Narragansett and Shawomet). Although these groups had an overall BCR less than 1.0 when both elevations and floodproofing were considered, the BCR for non-residential floodproofing alone was greater than 1.0. As a result of this refinement, twenty-five non-residential properties were added in Plan NS-A.1.

The second refinement included the addition of certain outlier properties. As previously described, 74 structures were not located near any other structures, and, therefore, were not part of any community group. These “outliers” were initially removed from consideration. Of the 74 outliers, 6 had a BCR greater than 1.0. These 6 structures were added to the TSP plan.

Following the Tentatively Selected Plan Milestone, a series of refinements were made to create the Recommended Plan (RP). These refinements are included:

Additional Floodproofing – Some community groups had a BCR that was too low to be part of the RP when both elevations and floodproofing were considered; however, when only non-residential floodproofing were assessed, the community group’s BCR was greater than 1.0. Eight (8) community groups, which included 91 non-residential

properties, fell into this category and were added to the RP. These properties were supported by NED benefits.

Individual Structures with BCRs Greater than 1.0 - Individual structures within community groups that were not included in the plan were reviewed and added to the plan if their estimated BCR was over 1.0. 14 individual structures fell into this category and were added to the RP. These properties are justified using NED benefits.

Socially Vulnerable and Environmental Justice Communities – Four (4) community group were found to be located in socially vulnerable communities as defined by the CDC Social. Only one (1) group (Quonset Airport) had a BCR high enough to be included in base plan. Three (3) communities (Oakland Beach, Port of Providence 1 and Fort Ave.) were not included due to a low BCR. The Port of Providence community group is located in the Port of Providence and this report will include a recommendation that the Port of Providence be considered in a separate study effort. As for the Fort Ave. community group, the non-residential structures, when considered alone, had a BCR greater than 1.0 and were included in the RP. While no part of the Oakland Beach community group was economically justified and could not be included in the RP using NED benefits.

Warren – When investigating environmental justice, it was found that the Warren community group was located in an EJ area, as defined by the RIDEM. When considered as a whole (both residential and non-residential properties), the Warren community group did not have a BCR high enough to be included in the RP; however, this community group did have a high enough BCR when only considering non-residential structures. Therefore, the non-residential structures were included in the RP.

Wickford Historic District – The Wickford Historic District is a unique cultural resource located in North Kingstown, RI. Initially established in 1709, this community is one of the oldest preserved colonial villages in the country. The Wickford Historic District is part of a community group that included 113 residential structures and 40 non-residential properties. The entire community group (both residential and non-residential structures) did not have a BCR high enough to be included in the base plan. However, the non-residential structures alone did have a BCR above 1.0, so these 40 properties were added to the RP due to their NED benefits.

Of the residential properties, 82 are listed on the National Registry and are part of the historic district. While the remaining residential properties are modern structures and are not part of the historic district. The residential structures located in the Wickford Historic District have been included in the plan because of the EQ and OSE benefits the district provides to the community, the state and the nation. A full list of OSE and EQ benefits can be found in **Appendix F, Plan Formulation**.

Critical Infrastructure - Coastal storm risk management measures for critical infrastructure were analyzed as part of this study. The list of CI facilities was eventually narrowed to a group of 36 sites. Of that final list, 23 were located in existing community

groups that are part of the base plan. The remaining 13 sites are either part of a community group that did not have NED benefits great enough to be include in the base plan or were outliers (i.e., not located in any community group). The BCRs for floodproofing these individual structures were below 1.0 and could not be included in the RP using NED benefits. However, inclusion of these structures would provide significant OSE and EQ benefits to the community. All 36 CI facilities were incorporated in the RP, 23 as part of community groups, which were supported by NED benefits and 13 through OSE and/or EQ benefits. A full list of OSE and EQ benefits can be found in **Appendix F, Plan Formulation**.

5.2. Plan Components

The RP is an entirely nonstructural plan that includes 497 total structures – 290 residential recommended for elevation and 207 non-residential recommended for floodproofing (**Table E8**). Included with the recommended non-residential structures are thirty-six (36) facilities that are identified as critical infrastructure currently included in the RP.

Table E8: The Recommended Plan

Community Group Name	Total Costs (\$)	Residential Structures (Elevations)	Non-Residential Structures (Floodproofing)	Critical Infrastructure (Floodproofing)	Total Structures
PLAN NS-A					
Block Island	2,276,000	2	3	0	5
Cranston Mall	1,940,000	0	5	0	5
Downtown Warwick	7,966,000	5	12	0	17
East Greenwich	3,683,000	0	10	0	10
Newport Downtown	73,796,000	83	36	4	123
Quonset Airport	5,135,000	0	7	3	10
Sakonnet	1,836,000	2	2	0	4
Subtotal	96,632,000	92	75	7	174
PLAN NS-A Refinement - Floodproofing only					
Barrington	9,748,000	0	9	15	24
Bristol Downtown	1,842,000	0	4	1	5
Fort Ave	1,105,000	0	3	0	3
Nannaquaket Pond	368,000	0	1	0	1
Narragansett	737,000	0	2	0	2
Shawomet	337,000	0	1	0	1
Warren	16,369,000	0	37	0	37

Wickford	12,891,000	0	35	0	35
Subtotal	43,397,000	0	92	16	108
PLAN NS-A Refinement – Outliers					
Outliers	3,121,000	3	3	0	6
PLAN NS-A Refinement – Individuals w/ BCR > 1 from unjustified groups					
Various	6,776,000	14	0	0	14
Supported by NED Benefits	149,926,000	109	170	23	302
PLAN NS-A Refinement – Wickford Historic District					
Wickford	48,215,000	82	0	0	82
PLAN NS-A Refinement – Socially Vulnerable and Environmental Justice					
Fort Ave	5,272,000	9	0	0	9
Oakland Beach	17,176,000	28	1	0	29
Warren	38,221,000	62	0	0	62
Subtotal	60,669,000	99	1	0	100
PLAN NS-A Refinement – Additional Critical Infrastructure					
Various	7,730,000	0	0	13	13
Supported by OSE and/or EQ Benefits	116,614,000	181	1	13	195
TOTAL	266,540,000	290	171	36	497

Total project first costs of the RP at FY 2022 price levels are approximately \$267 million (**Table E9**). The total fully funded cost of the project, with escalation through the mid-point of construction, is approximately \$317 million. Nonstructural costs were developed using information from FEMA and nonstructural projects recently completed in vicinity of the study area.

Table E9: Recommended Plan Cost Summary (Project First Costs)

	TSP
Elevations	\$111,1922,000
Floodproofing	\$45,836,000
Critical Infrastructure	\$11,438,000
Lands and Damages	\$6,675,000
PED	\$30,468,000
S&A	\$9,344,000
Contingency	\$51,589,000
Total	\$266,541,000

It should be noted that Lands and Damages costs were updated by NAE Real Estate Division after all refinements were complete to form the Recommended Plan (RP).

6. BASIS OF COST ESTIMATE

6.1. Structural Alternatives

6.1.1. Surge Barrier Structural Alternatives

The construction cost estimate for the barrier alternatives, the Lower Warren River Barrier, the Upper Warren River Barrier, and the Middle Bridge barrier, were developed using an Excel spreadsheet and a formula from a paper entitled, “Advances in the Planning and Conceptual Design of Storm Surge Barriers – Application to the New York Metropolitan Area” published in 2019. The formula that forms the conclusion of this paper is extremely similar to the formula that was used as a basis for the construction cost estimates used in the New York - New Jersey - Hudson River and Tributaries (NY/NJ HAT) planning study. This formula utilizes a conceptual design of the length of the barrier and the various sections or spans such as the dam section/span, the auxiliary flow section/span, and the navigable section/span. Each section/plan has a square footage cost associated with it. The formula is based on an analysis of construction costs of nineteen surge barriers constructed around the world, but also three barriers right here in New England: Fox Point Hurricane Barrier, Stamford Hurricane Barrier, and New Bedford Harbor Hurricane Barrier. Also presented in this paper is a construction duration calculation which is also based on the size of these sections/spans. See **Figure E3** for the surge barrier cost and duration equations presented in that paper and the **Figure E4** for an example of a surge barrier layout.

$$\text{Cost} = \text{€}157,000 \times \text{Navigable Area} + \text{€}102,000 \times \text{Auxiliary Area} + \text{€}26,000 \times \text{Dam Area}$$
$$\text{Duration} = 2 \text{ Years} + 33 \text{ months} / 100\text{m of Navigable Span}$$
$$+ 23 \text{ weeks} / 100\text{m of Auxiliary Flow Span} + 16 \text{ Days} / 100\text{m of Dam}$$

Figure E3: Surge Barrier Cost & Duration Equations

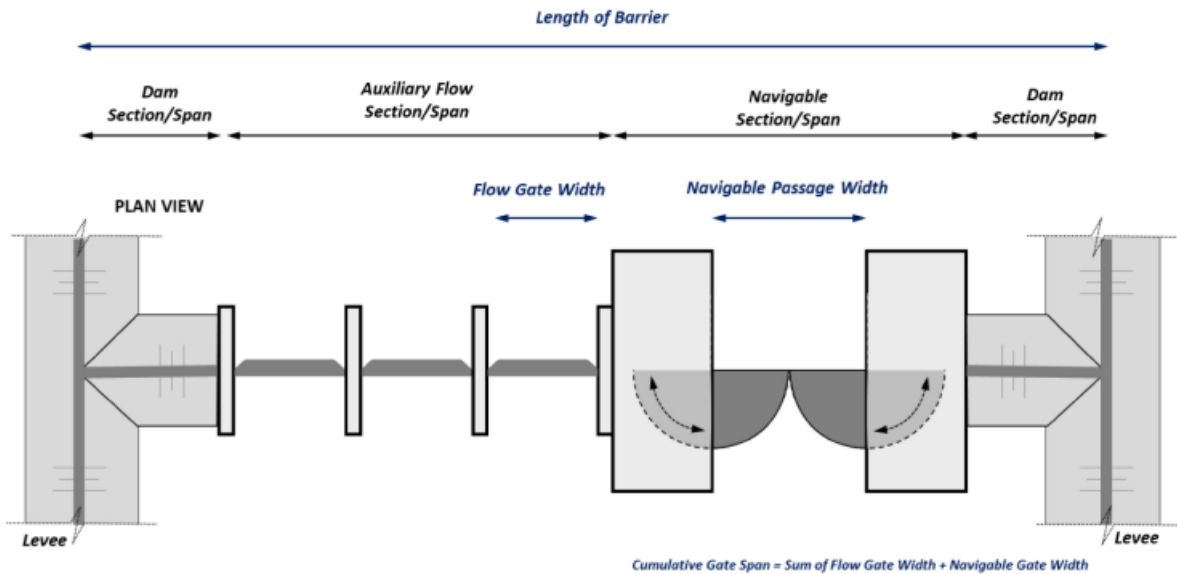


Fig. 1. A hypothetical storm surge barrier layout in plan view with gates in the closed position.

Figure E4: Surge Barrier Layout Example

It should be noted that the equation is presented in 2019 euros/square-meter so the first step was to convert this a current dollars/square-foot cost (the exchange rate at the time this analysis was done was 1.15 dollars to 1.00 euro on 16 November 2020). The conceptual designs for the three barriers in this study, Lower and Upper Warren River and Middle Bridge, were then broken down in these three sections/spans and the square footage of each section/span calculated for each barrier. Finally, the cost of each was estimated using the unit price in the formula multiplied by the square footages calculated. The costs were then escalated to current dollars using the 30 Sep 2020 CWCCIS, from Q1FY19 to Q1FY21 using Feature Code 15 (Floodway Control & Diversion Structure).

It was also assumed pump stations would be necessary to accompany the surge barriers to avoid creating a “bathtub” effect where water would be contained within the barriers with no means to escape and dissipate. Conceptual pump station sizes were generated by the PDT in the form of cubic feet per second (cfs) figures. For the Lower Warren Barrier, Upper Warren Barrier, and Middle Bridge Barrier, these pump station sizes were 3,750 cfs, 4,200 cfs (900 cfs at the Barrington River and 3,300 cfs at the Palmer River), and 825 cfs, respectively. A cost/cfs generated by pump station from USACE Jacksonville District was utilized to estimate these subject pump stations. The Jacksonville District pump station data was developed in FY17 so these costs were escalated to current, using the 30 Sep 2020 CWCCIS from FY17 to FY21 using Feature Code 13 (Pumping Plant).

Additionally, annual maintenance costs for the barriers were also calculated based on actual costs incurred at the New Bedford Harbor Hurricane Barrier. Actual maintenance costs were examined, and an average annual cost was determined. This cost was then applied to the three surge barriers based on the auxiliary and navigable opening of New Bedford Harbor vs the three subject barriers.

These three costs were then entered into a Total Project Cost Summary. For all barriers, the program year was assumed to be FY23, with a 2-year design duration, and the construction duration calculated from Figure E3 above. These construction durations were estimated at approximately 5.5 years for the Lower Warren Barrier, approximately 4.5 years for the Upper Warren Barrier, and approximately 2.5 years for the Middle Bridge Barrier. Planning, Engineering, and Design (PED) costs were estimated at 5% of the construction cost and the Construction Management (S&A) costs were assumed to be \$600k per year of construction based on feedback from Construction Division. A 20% contingency was applied to the construction, PED, and S&A costs as well. It should be noted these alternatives were screened prior to any incorporation of Real Estate costs.

6.1.2. Wellington Floodwall and Levee Structural Alternative

The construction cost estimate for the Wellington Floodwall and Levee structural alternative was developed using Micro-Computer Aided Cost Estimating System (MCACES), Second Generation (MII) using the appropriate Work Breakdown Structure (WBS) and is based on the alignment developed by Civil Design Section. The alignment consists of 800 linear feet of floodwall and 1400 linear feet of levee. The floodwall consists of three different typical cross sections. The cross sections for the three floodwalls and the levee were developed by Structural Design Section with input from Geotechnical Section. Quantities for these cross sections were developed by Cost Engineering Section. This alternative also calls for five post and panel closure structures at Wellington Ave and at several roadway intersections to ensure flood waters do not cross the barrier. Quantity take-offs were also generated for these closure structures. It was also determined a pump station would be necessary to avoid creating a “bathtub” effect where water would be contained within the barriers with no means to escape and dissipate. A conceptual pump station size was generated by the PDT in the form of a cubic feet per second figure; 480 cfs.

The most current MII Cost Book (2016) and Equipment database, Region 1 (2020) were utilized in developing the cost estimate. The Equipment database is based on EP 1110-1-8, Construction Equipment Ownership and Operation Expense Schedule. It should be noted that due to the vintage of the cost book and equipment book, escalations from Q1FY16 and Q1FY20 for the cost book and equipment book, respectively, to Q1FY21 is included in the estimate. Both material and equipment were escalated using CWCCIS 31 Mar 2021, Feature Code 11 (Levees & Floodwalls). The direct costs are based on anticipated labor, equipment, and materials necessary to construct the project based on the previously noted quantities. The estimate assumes the prime contractor will consist of a pass-through contractor that will subcontract all work to subs to include site/civil, steel, concrete, etc. It should be noted the pump station unit cost was determined based on conversations with the Cost MCX as they have more current data points than the Jacksonville District information.

Sales tax at 7.0% was applied to materials for the project. An overtime markup was applied assuming work for 10-hour days for 5 days per week. No global productivity reduction was included in the estimate.

Rhode Island Statewide prevailing wage rates were obtained from GSA and used for all craft labor (General Decision Number: RI20210001 04/23/2021, Construction Type: Building, Heavy (Heavy and Marine) and Highway). The base wage rate and taxable fringe were entered into MII and applied accordingly. The total labor rate was developed using the base wage, fringe benefits, FICA, FUTA, and Worker's Compensation rates for each labor class computed by MII based on project location and contractor type.

This construction cost was then entered into a Total Project Cost Summary. The program year was assumed to be FY22, with a 1-year design duration, and a 4-year construction duration. Planning, Engineering, and Design (PED) costs were estimated at 10.5% of the construction cost and the Construction Management (S&A) costs were estimated at 4% of the construction cost. A 25% contingency was applied to the construction, PED, and S&A costs as well. It should be noted these alternatives were screened prior to any incorporation of Real Estate costs.

6.2. Nonstructural Alternatives

The construction cost estimate for the nonstructural alternatives was developed using Micro-Computer Aided Cost Estimating System (MCACES), Second Generation (MII) using the appropriate Work Breakdown Structure (WBS) and is based on individual cost estimates for elevating three different structure types; structure with a basement elevated on piles (Type EA), structure with a basement elevated with increased basement walls (Type EB), slab-on-grade structure elevated on piles (Type EC).. These individual cost estimates were developed utilizing cost resources such as RSMeans, MII Cost Libraries, and vendor quotations and are supported by the preferred labor, equipment, materials, and crew/production breakdown. These three typical structure-type cost estimates were then applied to the number of each type of structure to calculate the total construction cost. **Table E10** summarizes the quantity of each structure-types and their breakdown by locations:

Table E10: Structure-Type Quantity and Location Breakdown (100-year Floodplain)

	Barrington 1	Block Island	Downtown Warwick	East Greenwich	Fort Ave	Newport Downtown	Newport North	Potowomut	Quonset Airport	Sakonnet	Wickford	Sakonnet North	Shore West Passage	Barrington 2 FP	Bristol Downtown FP	MB Narragansett FP	Shawomet	Newport Warren	North Kingstown	Narragansett	Providence	Portsmouth	Barrington	Total		
Elevations																										
AE RES-5A	9	0	1	0	0	4	3	1	0	1	10	0	0	0	0	0	0	0	1	0	1	0	0	1	0	32
AE RES-5B	8	0	0	0	1	21	0	0	0	1	14	0	0	0	0	0	0	0	1	0	0	0	0	0	0	46
AE RES-6A	5	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	1	1	1	0	0	0	21
AE RES-6B	37	2	4	0	5	51	0	1	0	0	68	0	1	1	0	0	0	0	0	0	0	1	0	0	0	171
AE RES-7A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AE RES-7B	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
VE RES-5A	2	0	0	0	0	3	0	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	9
VE RES-5B	1	0	0	0	0	3	0	0	0	0	1	2	2	2	0	0	0	0	0	0	0	0	0	0	0	11
VE RES-6A	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	4
VE RES-6B	1	0	0	0	3	3	0	1	0	0	4	3	4	3	0	0	0	0	0	0	1	0	0	0	0	25
VE RES-7A	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
VE RES-7B	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Floodproofings																										
0-30,000	44	10	11	10	3	26	6	0	6	2	40	0	0	0	10	8	3	3	1	0	0	1	1	0	0	185
30,000-100,000	4	0	1	0	0	12	2	0	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	23
100,000+	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
Total	113	12	17	10	12	123	11	5	9	5	153	8	7	9	11	8	3	3	3	1	5	2	1	1	1	533
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	

Quantities related to the individual cost estimates for each of the three structure-types and the floodproofings were developed based on an RFP design package for the Pawcatuck CSR project which is currently in the PED phase. This RFP package includes plans and specifications developed to a 35% design level.

The database of the 290 elevations were broken into these three typical structure types and the height of raising, area, and perimeter were averaged and then incorporated into the estimates developed from the Pawcatuck CSRM to make them more specific for the RI Coastline CSRM project specific data. This formed the basis for the unit price development of each of the three structure types. The quantity of each structure type from the database was then applied to these unit prices to get a subtotal of elevation costs for each community group.

Initially, the PDT was looking at several different floodplains; the 5, 10, 25, and 100-year floodplains. An inventory was created for each of the floodplains, which resulted in different average square footage and different average raising height. Since it was not clear which floodplain would be selected, an average cost was generated based on the different structure types and different floodplains. As the analysis continued, the 100-year floodplain was used to compared between the different nonstructural plans with the selection of floodplain assumed to take place during optimization later in the planning process prior to finalization of the report. All cost information is based on the 100-year floodplain.

The floodproofing costs used are based on square footage of the building to be floodproofed. The three size ranges utilized in the study were those less than 30,000 square feet, those between 30,000 and 100,000 square feet, and those greater than 100,000 square feet. The cost information for those ranges is based on data from the Nonstructural Committee for costs from New Orleans from FY19. The costs were escalated to FY22 using ENR's 20-City Building Cost Index from Oct 2018 to Oct 2021 and adjusted for location from New Orleans, Louisiana to Newport, Rhode Island using PAX Area Cost Factors.

The labor rates were adjusted to the local and current prevailing wage determinations. The most current MII Cost Book (2022) and Equipment database, Region 1 (2022) were utilized in developing the cost estimate. The Equipment database is based on EP 1110-1-8, Construction Equipment Ownership and Operation Expense Schedule. The Cost Book subbid items and Equipment items were escalated from January 2022 to September 2022 using ENR's 20-City BCI. Cost Book materials were escalated using ENR's Material Cost Index from January 2022 to September 2022. The direct costs are based on anticipated labor, equipment, and materials necessary to construct the project. The estimate assumes the prime contractor will handle elevations and structural work and will subcontract the site/civil and MEP trades.

Sales tax at 7.0% was applied to materials for the project. No overtime or global productivity reduction was included in the estimate.

Rhode Island Statewide prevailing wage rates were obtained from GSA and used for all craft labor (General Decision Number: RI20220001 09/09/2022, Construction Type: Building, Heavy (Heavy and Marine) and Highway). The base wage rate and taxable fringe were entered into MII and applied accordingly. The total labor rate was developed using the base wage, fringe benefits, FICA, FUTA, and Worker's

Compensation rates for each labor class computed by MII based on project location and contractor type.

Contingency was developed using a Cost and Schedule Risk Assessment (CSRA). See **Section E.8**, *Contingency Development* for additional details regarding the risk-based contingency development.

The civil works breakdown structure (CWBS) feature accounts associated with each contract were escalated to the program year and then to the mid-point of design or construction using the Civil Works Construction Cost Index System (CWCCIS) factors as contained in EM 1110-2-1304, dated March 31, 2022. See **Section E.11**, *Total Project Cost Summary* for additional details.

7. SCHEDULE

The total project schedule has been developed in Microsoft Excel using major construction activities and associated network logic to determine the project duration. The total project schedule is provided as **Attachment 1** to this Cost Engineering Appendix. It is assumed that NAE will prepare an RFP package and solicit a design-build contractor. It is further assumed there will be five (5) different contractors performing the construction and averaging 2-week rolling completions.

8. CONTINGENCY DEVELOPMENT

8.1. Purpose

The purpose of the Cost and Schedule Risk Assessment (CSRA) is to identify potential events that could affect project cost and analyze their likelihood and impact.

8.2. Risk Analysis Process

The risk analysis process follows the USACE Headquarters requirements as well as the guidance provided by the Cost MCX. The abbreviated risk analysis process uses cost growth curves for seven predetermined categories (Project Scope Growth, Acquisition Strategy, Construction Elements, Quantities, Special Construction or Fabrication, Cost Estimate Assumptions, and External Risks). The growth curves are dependent on the selection of the Project Development Stage/Alternative and the Risk Category and the selections are Alternative Formulation, Feasibility (Alternatives), Feasibility (Recommended Plan), PED 60%, PED 90%, and Construction Period and Low Risk: Typical Construction, Simple, Moderate Risk: Typical Project Construction Type, and High Risk: Complex Project or Unique Type Construction, respectively. These selections change the growth curves from a shallower curve for a project at a more advanced stage and simpler construction to a much steeper curve for a project early in development with high risk or complex construction. This particular project selected Feasibility (Recommended Plan) for project development stage and Moderate Risk: Typical Project Construction Type for risk category.

8.3. Methodology

In simple terms, contingency is an amount added to an estimate (cost or schedule) to allow for items, conditions, or events for which the occurrence (event risk) or impact (condition/variant risk) is uncertain, and that experience suggests will likely result in

additional costs being incurred or additional time being required. The amount of contingency included in project control plans depends, at least in part, on the project leadership’s willingness to accept risk of project overruns. The less risk that project leadership is willing to accept, the more contingency should be applied in the project control plans. The risk of overrun is expressed, in a probabilistic context, using confidence levels.

The risk analysis uses an Excel form provided by the Cost MCX. The major features of work and their corresponding costs entered into the form which populates the risk register with these features in each of the risk categories.

Below is a brief step-by-step summary of the process performed during this analysis:

1. Development of Risk Register - In accordance with the PDT, a risk register was developed to identify the various risks associated with the project. Each feature of work was reviewed in each risk category to determine what, if any, risk events should be documented.
2. Determination of Risk - During the risk register meeting, these risk events were discussed and notated and conclusions made as to the impact and likelihood of occurrence. The impact and likelihood selections can be seen in Figure E13 below. These factors determined whether an event’s risk level was 0, 1, 2, 3, 4, or 5.

		<u>Risk Level</u>				
Very Likely	2	3	4	5	5	
Likely	1	2	3	4	5	
Possible	0	1	2	3	4	
Unlikely	0	0	1	2	3	
	Negligible	Marginal	Moderate	Significant	Critical	

Figure E4: Risk Level Matrix

3. Cost Growth Curves - The risk level for each risk category was determined based on the inputs from the risk register and the inputs of project development and risk category which calculated a risk percentage for each risk category and each feature of work.
4. Summary of Results - For this draft report, other planning projects with nonstructural TSPs were reviewed. Pawcatuck CSR, Florida Keys CSR, and Upper CT River Watershed Storm Risk Reduction (SRR) risk analyses were reviewed; Pawcatuck NED plan contingency was 28%, Pawcatuck LP plan was 30%, Florida Keys was 28%, Upper CT River Watershed NED plan was 30% and the Upper CT River Watershed LP plan was 33%; with an average of 29.8% over the five

analyses. For the draft report, this analysis utilized 30% contingency until a project-specific risk analysis is completed.

8.3.1. Identify and Assess Risk Factors

Identifying the risk factors via the PDT are considered a qualitative process that results in establishing a risk register that serves as the document for the further study in the risk model. Risk factors are events or conditions (variances) that may influence or drive uncertainty in project performance. They may be inherent characteristics or conditions of the project or external influences such as weather or economic conditions. Risk factors may have either favorable or unfavorable impacts on project cost and schedule. Checklists or historical databases of common risk factors are sometimes used to facilitate risk factor identification. However, key risk factors are often unique to a project and not readily derivable from historical information. Therefore, input from the entire PDT is obtained using creative processes such as brainstorming or other facilitated risk assessment meetings. In practice, a combination of professional judgment from the PDT and empirical data from similar projects is desirable and is considered.

Informal risk identification was initially performed by the cost engineering team member working through the base estimate and schedule development process. As scope uncertainty and constructability type issues were identified, they were submitted to a draft risk register to be presented to the larger team and presented in the formal PDT meetings.

A formal PDT meeting was held virtually on May 5, 2021 to discuss the risks/opportunities associated with the project. The meetings focused primarily on the identification, concerns, and discussions of the risk/opportunities along with some quantification of risks (best case, most likely, and worst-case thresholds) when appropriate. Additionally, numerous telephone calls, informal meetings, and coordination through email were conducted throughout the risk analysis process on an as-needed basis to further facilitate risk factor identification, market analysis, and risk assessment. The PDT was represented by the following disciplines:

- Project management
- Civil engineering
- Coastal engineering
- Geotechnical engineering
- Structural engineering
- Construction support
- Cost engineering

Follow up meetings and/or discussions were also held to discuss risk thresholds and update the risk register. The Cost and Schedule Risk Analysis is included as **Attachment 2**.

8.3.2. Risk Register

The risk register is a tool commonly used in project planning and risk analysis and serves as the basis for the risk models. The risk register documents the PDT risk identification and assessment.

It is important to note that a risk register can be an effective tool for managing identified risks throughout the project life cycle. As such, it is generally recommended that risk registers be updated as the design, cost estimate, and schedule are further refined, especially on large projects with extended schedules. Recommended uses of the risk register going forward include:

- Documenting risk mitigation strategies being pursued in response to the identified risks and their assessment in terms of probability and impact.
- Providing project sponsors, stakeholders, and leadership/management with a documented framework from which risk status can be reported in the context of project controls
- Communicating risk management issues.
- Providing a mechanism for eliciting risk analysis feedback and project control input.
- Identifying risk transfer, elimination, or mitigation actions required for implementation of risk management plans.

8.3.3. Risk Analysis Results

The Cost and Schedule Risk Assessment calculated a total contingency for all project accounts to include Elevations, Floodproofings, Lands and Damages, Planning, Engineering & Design (PED) and Construction Management (S&A) was calculated at 24%.

The PDT identified highly rated concerns in order to evaluate the proper means to mitigate and limit their effect on the project as follows:

- Applicability of Pawcatuck design project data – The cost data utilized from the Pawcatuck CSRMM is based on a limited data set. While it is based on an actual design, not all that is included in the design may be applicable to the structures in this study and there may be things that have been omitted.
- Congested site access and staging areas – The actual makeup of the individual properties is unknown at this time. A singular laydown area or multiple laydown areas away from the individual structures is possible.

Construction Mods & Claims - There is always the potential for contract modifications, especially in a DB contract.

9. PLANNING ENGINEERING AND DESIGN (PED)

The costs were developed for all activities associated with the planning, engineering and design effort. The cost for this account includes the preparation of Design Documentation Reports and plans and specifications for each construction contract and engineering support during construction through project completion. It includes all the in-house labor based upon work-hour requirements, material and facility costs, travel and overhead. The percentage breakout in the Total Project Cost Summary (TPCS), was developed based with input from respective offices in accordance with the CWBS as well as historical prices.

10. CONSTRUCTION MANAGEMENT (S&A)

The costs were developed for all construction management activities from pre-award requirements through final contract closeout. These costs include the in-house labor based upon work-hour requirements, materials, facility costs, support contracts, travel and overhead. Costs were developed based on the input from the construction division in accordance with the CWBS and include, but are not limited to, anticipated items such as the salaries of the resident engineer and staff, survey men, inspectors, draftsmen, clerical, and custodial personnel; operation, maintenance and fixed charges for transportation and for other field equipment; field supplies; construction management, general construction supervision; project office administration, distributive cost of area office and general overhead charged to the project. The work items and activities would include, but not be limited to: the salaries of all supervisory, engineering, office and safety field personnel; all on site expenses.

11. TOTAL PROJECT COST SUMMARY

The Total Project Cost Summary (TPCS) addresses the inflation through project completion; accomplished by escalation to the mid-point of construction per CWCCIS as required by ER 1110-2-1302 and ETL 1110-2-573. The TPCS includes Federal and non-Federal costs for all construction features of the project, lands and damages, as well as PED and S&A, along with the appropriate contingencies and escalation associated with each of these activities. The TPCS is formatted according to the CWWBS. The TPCS was prepared using the MCACES/MII cost estimate, contingencies developed by the CSRA, the project design and construction schedule, and estimates of PED and S&A. The certified TPCS is provided as **Attachment 3** to this Cost Engineering Appendix.

After all analysis was completed on the RIC study yet before the final report was approved, a new fiscal year began. As a result, the cost and benefit were updated to reflect October 2022 price levels and a discount rate of 2.5%. The revised TPCS are provided as **Attachment 4**.

Table E11: Total Project Cost Summary

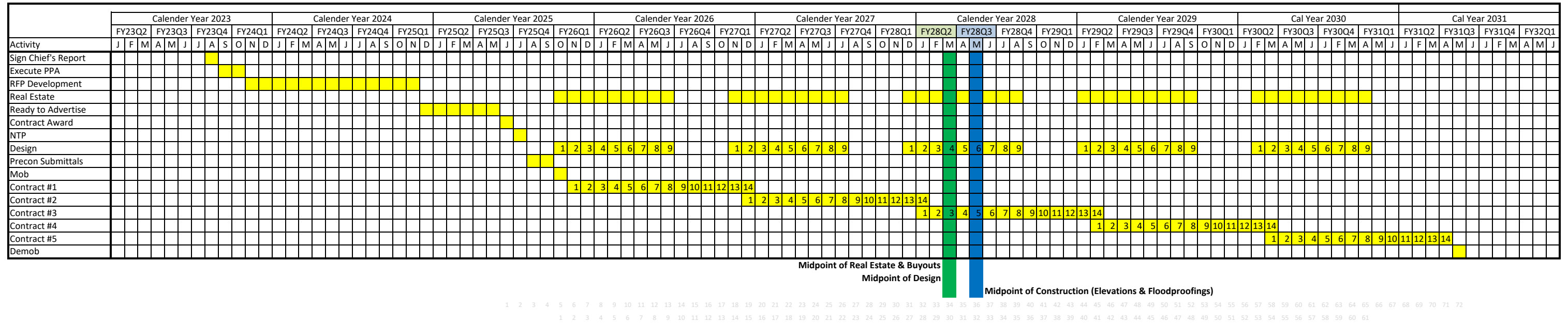
Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)					
Recommended Plan						Program Year (Budget EC): 2023 Effective Price Level Date: 1 OCT 22									
VBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Spent Thru: 1-Oct-21 (\$K)	TOTAL FIRST COST (\$K)	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
19	BUILDINGS, GROUNDS & UTILITIES	\$11,192	\$26,686	24.0%	\$137,878	4.2%	\$115,889	\$27,813	\$143,702	\$0	\$143,702	14.6%	\$132,794	\$31,871	\$164,665
19	BUILDINGS, GROUNDS & UTILITIES	\$45,836	\$11,001	24.0%	\$56,837	4.2%	\$47,772	\$11,465	\$59,238	\$0	\$59,238	14.6%	\$54,741	\$13,138	\$67,879
19	BUILDINGS, GROUNDS & UTILITIES	\$11,438	\$2,745	24.0%	\$14,183	4.2%	\$11,921	\$2,861	\$14,782	\$0	\$14,782	14.6%	\$13,660	\$3,278	\$16,938
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$168,466	\$40,432		\$208,898	4.2%	\$175,562	\$42,140	\$217,722	\$0	\$217,722	14.6%	\$201,195	\$48,287	\$249,482
01	LANDS AND DAMAGES	\$6,675	\$1,602	24.0%	\$8,277	4.2%	\$6,957	\$1,670	\$8,626	\$0	\$8,626	13.8%	\$7,920	\$1,901	\$9,821
30	PLANNING, ENGINEERING & DESIGN	\$30,468	\$7,312	24.0%	\$37,780	2.5%	\$31,230	\$7,495	\$38,725	\$0	\$38,725	13.8%	\$35,550	\$8,532	\$44,082
31	CONSTRUCTION MANAGEMENT	\$9,344	\$2,242	24.0%	\$11,586	2.5%	\$9,577	\$2,299	\$11,876	\$0	\$11,876	14.6%	\$10,973	\$2,634	\$13,607
	PROJECT COST TOTALS:	\$214,953	\$51,569	24.0%	\$266,541		\$223,346	\$53,603	\$276,949	\$0	\$276,949	14.5%	\$255,639	\$61,353	\$316,992

Attachment 1
Project Schedule

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PROJECT SCHEDULE

RI Coastline Coastal Storm Risk Management Feasibility Study - RECOMMENDED PLAN



Attachment 2

Cost & Schedule Risk Analysis

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Cost Summary for Risk Register Development

Project: **RI Coastline CSRM**

Project Development Stage/Alternative: **Feasibility Milestone #4 - CWRB**

Risk Category: **Low Risk: Simple Project-No Life Safety**

Meeting Date: 8/8/2020

Schedule Duration: Jul-2025 Mar-2031
From (Month/Year) From (Month/Year)

Schedule Duration: 69.0 Months 49%
Schedule Contingency

			80% Finish Date Jan-2034		
WBS	Feature of Work	Base Cost	80% Confidence	80% Confidence (\$)	80% Total
Risk Not included within CSRA Model					
01	LANDS AND DAMAGES Real Estate	\$ 6,675,000	24%	\$ 1,602,000	\$ 8,277,000
Risk included within CSRA Model					
1	19 BUILDINGS, GROUNDS, AND UTILITIES Elevations - Type EA	\$ 10,779,413	24%	\$ 2,587,059	\$ 13,366,472
2	19 BUILDINGS, GROUNDS, AND UTILITIES Elevations - Type EB	\$ 72,658,765	24%	\$ 17,438,104	\$ 90,096,869
3	19 BUILDINGS, GROUNDS, AND UTILITIES Elevations - Type EC	\$ 27,754,056	24%	\$ 6,660,973	\$ 34,415,029
4	19 BUILDINGS, GROUNDS, AND UTILITIES Floodproofing - Type FA	\$ 31,145,855	24%	\$ 7,475,005	\$ 38,620,860
5	19 BUILDINGS, GROUNDS, AND UTILITIES Floodproofing - Type FB	\$ 12,181,080	24%	\$ 2,923,459	\$ 15,104,539
6	19 BUILDINGS, GROUNDS, AND UTILITIES Floodproofing - Type FC	\$ 2,509,312	24%	\$ 602,235	\$ 3,111,547
7	19 BUILDINGS, GROUNDS, AND UTILITIES CI Floodproofing - Type FA	\$ 6,658,769	24%	\$ 1,598,105	\$ 8,256,874
8	19 BUILDINGS, GROUNDS, AND UTILITIES CI Floodproofing - Type FB	\$ 1,015,090	24%	\$ 243,622	\$ 1,258,712
9	19 BUILDINGS, GROUNDS, AND UTILITIES CI Floodproofing - Type FC	\$ 3,763,968	24%	\$ 903,352	\$ 4,667,320
10		\$ -	0%	\$ -	\$ -
11		\$ -	0%	\$ -	\$ -
12		\$ -	0%	\$ -	\$ -
13		\$ -	0%	\$ -	\$ -
14		\$ -	0%	\$ -	\$ -
15		\$ -	0%	\$ -	\$ -
16		\$ -	0%	\$ -	\$ -
17		\$ -	0%	\$ -	\$ -
18		\$ -	0%	\$ -	\$ -
19		\$ -	0%	\$ -	\$ -
20		\$ -	0%	\$ -	\$ -
21		\$ -	0%	\$ -	\$ -
22		\$ -	0%	\$ -	\$ -
23	DDC Costs Planning, Engineering, & Design	\$ 30,468,000	24%	\$ 7,312,320	\$ 37,780,320
24	S&A Construction Management	\$ 9,344,000	24%	\$ 2,242,560	\$ 11,586,560
XX	FIXED DOLLAR RISK ADD (EQUALLY DISPERSED TO ALL, MUST INCLUDE JUSTIFICATION SEE BELOW)			\$ -	
Totals					
	Real Estate	\$ 6,675,000	24%	\$ 1,602,000	\$ 8,277,000.00
	Total Construction Estimate	\$ 168,466,308	24%	\$ 40,431,914	\$ 208,898,222
	Total Planning, Engineering & Design	\$ 30,468,000	24%	\$ 7,312,320	\$ 37,780,320
	Total Construction Management	\$ 9,344,000	24%	\$ 2,242,560	\$ 11,586,560
	Total without Real Estate	\$ 208,278,308	24%	\$ 49,986,794	\$ 258,265,102
	Total with Real Estate	\$ 214,953,308	24%	\$ 51,588,794	\$ 266,542,102
	PROGRAMMED AMOUNT (IF KNOWN)				\$4,100,000

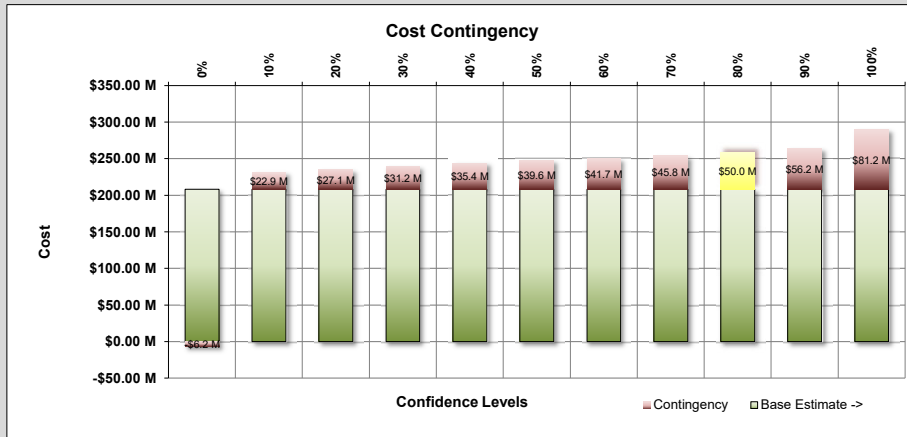
Project: **RI Coastline CSRM**

Overall Risk Level

Cost: **High**

Schedule: **Medium**

Location: **RI Coastline**



Contingency on Base Estimate		80% Confidence Project Cost
Base Estimate ->	\$208,278,308	
Estimate Contingency ->	\$49,986,794	24%
Base Estimate w/ Contingency (80% Confidence) ->	\$258,265,102	

Contingency on Base Schedule		80% Confidence Project Schedule
Base Schedule Start Date ->	July 1, 2025	
Base Schedule Finish Date ->	March 31, 2031	
Base Schedule Duration ->	69.0 Months	49%
Schedule Contingency Duration ->	33.8 Months	
Base Schedule w/ Contingency (80% Confidence) ->	102.8 Months	
Base Finish Date w/ Contingency (80% Confidence) ->	January 25, 2034	

Project Description
 The recommended plan consists of a non-structural alternative that includes 290 residential elevations, 171 commercial floodproofings, and 36 critical infrastructure floodproofings.

TOP COST RISKS

Risk/Opportunity Event	Risk Event Description	PDT Discussions on Impact and Likelihood	Risk Level		Suggested Risk Reduction Measures (Avoid, Escalate, Exploit, Transfer/Share, Mitigate/Enhance, or Accept)	
			Cost	Schedule		
22	Applicability of Pawcatuck design project data	The cost data utilized from the Pawcatuck CSRM is based on a limited data set. While it is based on an actual design, not all that is included in the design may be applicable to the structures in this study.	It is possible the Pawcatuck design and cost estimates don't scale exactly with the RI Coastline data. There are features of the cost estimates included in the "base estimates" that may or may not be applicable to each home in the RI Coastline study. These include front and rear decks and sizes, certain MEP items that are to be replaced due to age (boilers, panelboards, etc.), and finishes for interior repair/replacement work. The likelihood for this risk is likely and the impact is critical.	High		
16	Congested site access and staging areas	The actual makeup of the the individual properties is unknown at this time. A singular laydown area or multiple laydown areas away from the individual structures is possible.	The cost estimate does not currently include any global productivity reduction issues like this. Due to constraints on the individual properties, a remote laydown area and congested site access will likely affect project cost and schedule. The impact to cost and schedule because of these two issues could be critical.	High	High	
10	Contract modifications	There is always the potential for contract modifications, especially in a DB contract.	DB contracts inherently put more risk on the contractor as far as site investigations go. Contract mods are always a possibility especially given the myriad of locations, private properties, varying quality of existing structures, etc. Contract modifications are likely to impact both cost and schedule and could have a critical impact on both.	High	High	
6	Actual escalation exceeds CWCCIS factors	The TPCS is utilizing the CWCCIS data for forward escalation which may not adequately capture escalation to the midpoints.	We are currently, and have been, in a period of extremely high escalation where construction costs are higher than they have been in recent history. It is possible CWCCIS has not and will not capture these increases. The cost impact could be critical to the project.	High		
21	Homeowner requests vs scope requirements (managing expectations)	There is the possibility homeowners will ask for upgrades or betterments while they have a contractor performing work at their home.	The design contracts are being written to expressly state that the government is responsible for the design package only and that is limited to certain scope items and certain materials. Any betterments will NOT be paid for by the government and are the responsibility of the homeowner. As such, this will not affect project costs, but could extend the schedule if the contractor(s) time is extended during this homeowner-directed work during the government contract. This is likely to occur, and depending on the number of homeowners requesting upgrades, this could be a moderate impact.		Medium	
32	Market conditions/bidding competition	The market conditions and bidding competition have the ability to affect the project cost.	The PDT is confident we will get at least a few bids so the possibility of needing to resubmit is unlikely so schedule impacts are being considered. It is possible there could be poor market conditions and/or poor bid turnout which would have significant impact to the cost of the project.	Medium		

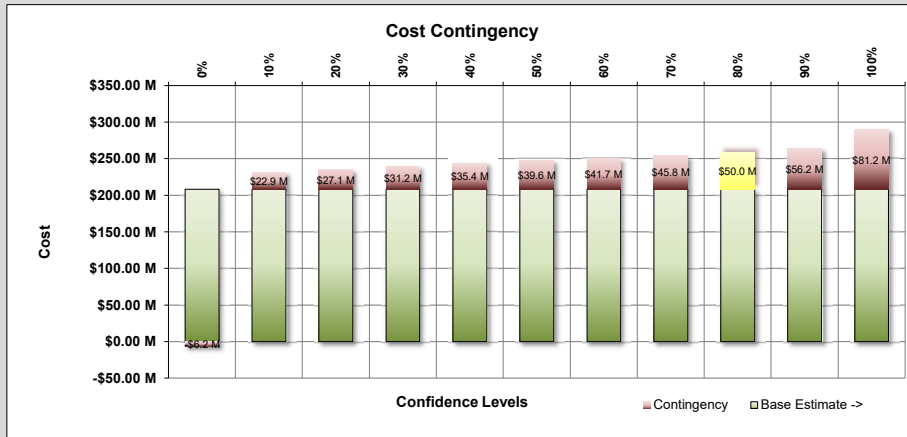
Project: RI Coastline CSRM

Overall Risk Level

Cost: **High**

Schedule: **Medium**

Location: RI Coastline



Contingency on Base Estimate		80% Confidence Project Cost
Base Estimate ->	\$208,278,308	
Estimate Contingency ->	\$49,986,794	24%
Base Estimate w/ Contingency (80% Confidence) ->	\$258,265,102	

Contingency on Base Schedule		80% Confidence Project Schedule
Base Schedule Start Date ->	July 1, 2025	
Base Schedule Finish Date ->	March 31, 2031	
Base Schedule Duration ->	69.0 Months	49%
Schedule Contingency Duration ->	33.8 Months	
Base Schedule w/ Contingency (80% Confidence) ->	102.8 Months	
Base Finish Date w/ Contingency (80% Confidence) ->	January 25, 2034	

Project Description
 The recommended plan consists of a non-structural alternative that includes 290 residential elevations, 171 commercial floodproofings, and 36 critical infrastructure floodproofings.

25	Floodproofing costs	The floodproofing costs are unit priced based on the square footage of the buildings. They do not take other specifics into account.	The size ranges are fairly wide and there are many structures to be floodproofed within the smallest range. It is likely there could be some cost reductions based on the significant floodproofing cost assumed for some of the smaller structures. It's also possible some structures could call for wet floodproofing which is generally cheaper than dry floodproofing, which is currently assumed for all floodproofing structures. It is very likely the actual floodproofing costs will differ from what has been assumed in the cost estimate and given the value of these structures now, the impact could be critical.	High	
35	Federal funding	Federal funding delays have the ability to delay the project execution.	Federal funding, on the other hand, is very likely to be delayed. The project will likely not have an extremely high BCR, which means it will not compete well with national projects. There are very likely to be issues with funding which would have significant impact to the project cost and schedule.	High	High

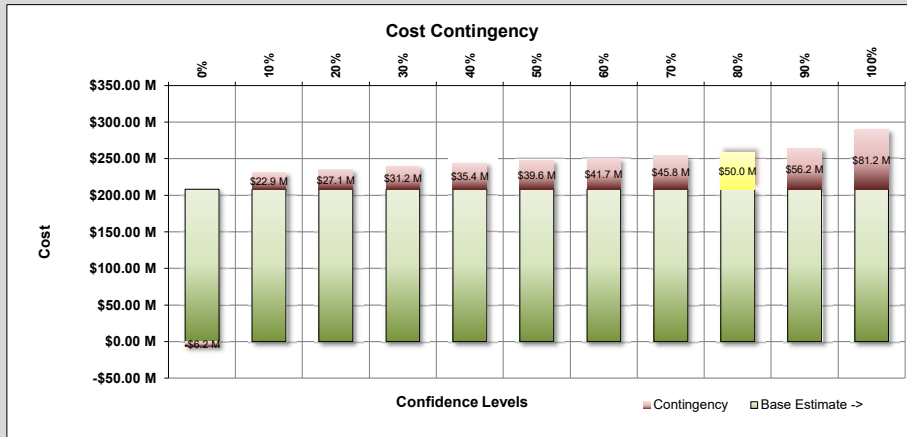
Project: **RI Coastline CSRM**

Overall Risk Level

Cost: **High**

Schedule: **Medium**

Location: **RI Coastline**



Contingency on Base Estimate		80% Confidence Project Cost
Base Estimate ->	\$208,278,308	
Estimate Contingency ->	\$49,986,794	24%
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Contingency on Base Schedule		80% Confidence Project Schedule
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Base Finish Date w/ Contingency (80% Confidence) ->	January 25, 2034	

Project Description
 The recommended plan consists of a non-structural alternative that includes 290 residential elevations, 171 commercial floodproofings, and 36 critical infrastructure floodproofings.

TOP SCHEDULE RISKS

Risk/Opportunity Event	Risk Event Description	PDT Discussions on Impact and Likelihood	Risk Level		Suggested Risk Reduction Measures (Avoid, Escalate, Exploit, Transfer/Share, Mitigate/Enhance, or Accept)
			Cost	Schedule	
23	Adequate project schedule	Project schedule is extremely high level. It does not drill down into specifics at all.		High	
35	Federal funding	Federal funding delays have the ability to delay the project execution.	High	High	
9	Numerous separate contracts	The total number of structures that move into design will likely affect the number of contracts we put out.		High	
10	Contract modifications	There is always the potential for contract modifications, especially in a DB contract.	High	High	
16	Congested site access and staging areas	The actual makeup of the the individual properties is unknown at this time. A singular laydown area or multiple laydown areas away from the individual structures is possible.	High	High	
5	Inexperienced staff and/or experienced staff leaving position and project	A long-running project such as this is bound to have turnover that may affect the ability of the project to move forward.		Medium	

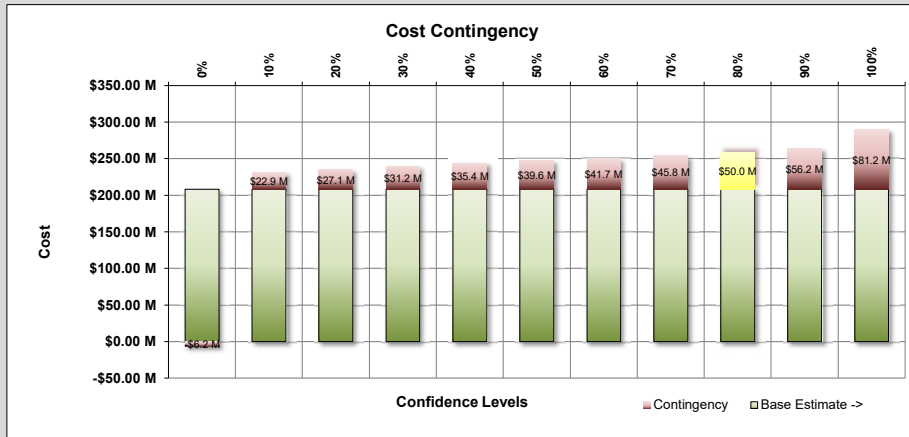
Project: **RI Coastline CSRM**

Overall Risk Level

Cost: **High**

Schedule: **Medium**

Location: **RI Coastline**



Contingency on Base Estimate		80% Confidence Project Cost
Base Estimate ->	\$208,278,308	
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Contingency on Base Schedule		80% Confidence Project Schedule
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Base Schedule Duration ->	69.0 Months	49%
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Base Schedule w/ Contingency (80% Confidence) ->	102.8 Months	
Base Finish Date w/ Contingency (80% Confidence) ->	January 25, 2034	

Project Description
 The recommended plan consists of a non-structural alternative that includes 290 residential elevations, 171 commercial floodproofings, and 36 critical infrastructure floodproofings.

21	Homeowner requests vs scope requirements (managing expectations)	There is the possibility homeowners will ask for upgrades or betterments while they have a contractor performing work at their home.	The design contracts are being written to expressly state that the government is responsible for the design package only and that is limited to certain scope items and certain materials. Any betterments will NOT be paid for by the government and are the responsibility of the homeowner. As such, this will not affect project costs, but could extend the schedule if the contractor(s) time is extended during this homeowner-directed work during the government contract. This is likely to occur, and depending on the number of homeowners requesting upgrades, this could be a moderate impact.	Medium
15	Historic structures in database	There are numerous structures in the historical district that will likely require additional cost to elevate.	These historic homes will likely be elevated at a slower productivity and may require more bracing. This risk is likely to occur and could have a significant impact to cost and schedule.	High

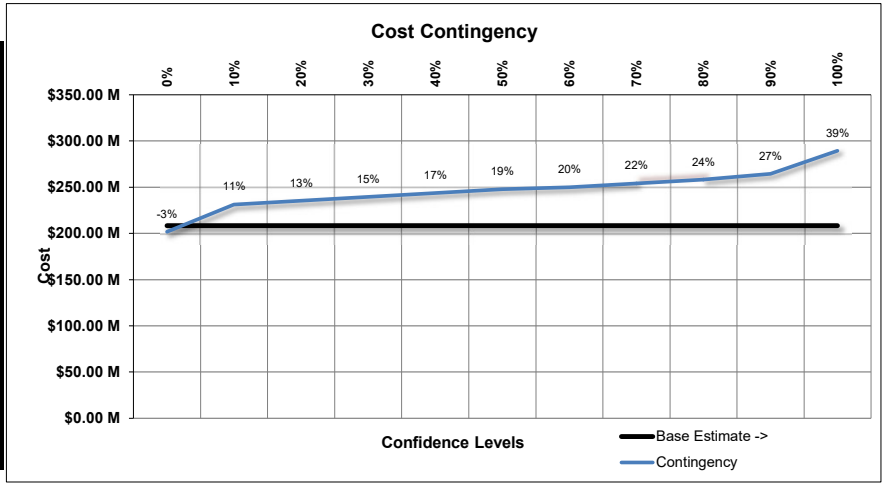
Contingency on Base Estimate		80% Confidence Project Cost
Base Estimate ->	\$208,278,308	
Estimate Contingency ->	\$49,986,794	24%
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Contingency on Base Schedule		80% Confidence Project Schedule
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Base Schedule Duration ->	69.0 Months	
Schedule Contingency Duration ->	33.8 Months	49%
Base Schedule w/ Contingency (80% Confidence) ->	102.8 Months	
Base Finish Date w/ Contingency (80% Confidence) ->	January 25, 2034	

- PROJECT CONTINGENCY DEVELOPMENT -

**INITIAL CONSTRUCTION
 Contingency Analysis**

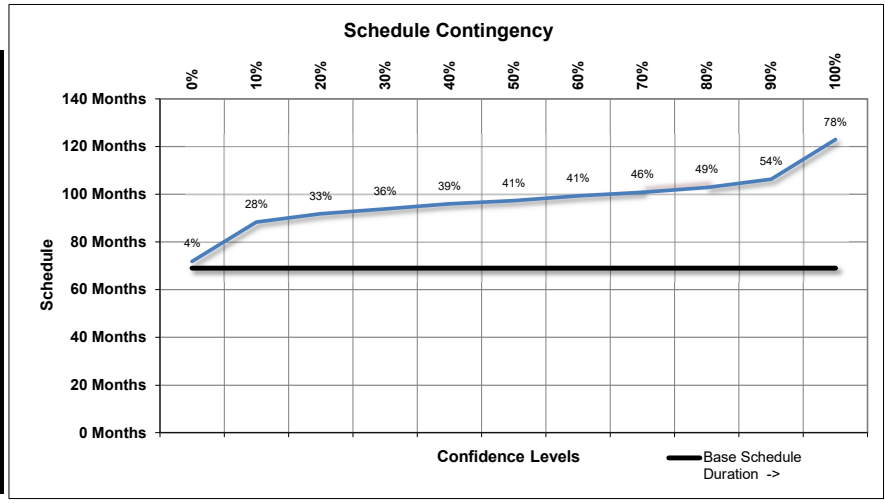
Base Estimate ->	\$208,278,308	
Confidence Level	Contingency Value	Contingency
0%	-6,248,349	-3%
10%	22,910,614	11%
20%	27,076,180	13%
30%	31,241,746	15%
40%	35,407,312	17%
50%	39,572,879	19%
60%	41,655,662	20%
70%	45,821,228	22%
80%	49,986,794	24%
90%	56,235,143	27%
100%	81,228,540	39%



- SCHEDULE CONTINGENCY (DURATION) DEVELOPMENT -

Contingency Analysis

Base Schedule Duration ->	69.0 Months	
Confidence Level	Contingency Value	Contingency
0%	2.8 Months	4%
10%	19.3 Months	28%
20%	22.8 Months	33%
30%	24.8 Months	36%
40%	26.9 Months	39%
50%	28.3 Months	41%
60%	30.4 Months	44%
70%	31.7 Months	46%
80%	33.8 Months	49%
90%	37.2 Months	54%
100%	53.8 Months	78%



Attachment 3

Certified Total Project Cost Summary (October 2021)

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**WALLA WALLA COST ENGINEERING
MANDATORY CENTER OF EXPERTISE**

COST AGENCY TECHNICAL REVIEW

CERTIFICATION STATEMENT

For Project No. 404574

NAE – Rhode Island Coastline
Coastal Storm Risk Management
Feasibility Study

The Rhode Island Coastline CSRM Feasibility Study, as presented by New England District, has undergone a successful Cost Agency Technical Review (Cost ATR), performed by the Walla Walla District Cost Engineering Mandatory Center of Expertise (Cost MCX) team. The Cost ATR included study of the project scope, report, cost estimates, schedules, escalation, and risk-based contingencies. This certification signifies the products meet the quality standards as prescribed in ER 1110-2-1150 Engineering and Design for Civil Works Projects and ER 1110-2-1302 Civil Works Cost Engineering.

As of September 30, 2022, the Cost MCX certifies the estimated total project cost:

FY23 Project First Cost: \$276,949,000
Fully Funded Amount: \$316,992,000

Cost Certification assumes Efficient Implementation (Funding). It remains the responsibility of the District to correctly reflect these cost values within the Final Report and to implement effective project management controls and implementation procedures including risk management through the period of Federal Participation.



Michael P. Jacobs, PE, CCE
Chief, Cost Engineering MCX
Walla Walla District

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan		Estimate Prepared: 16-Sep-22		Program Year (Budget EC): 2023		Effective Price Level: 1-Oct-21		Effective Price Level Date: 1 OCT 22						
		RISK BASED												
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$111,192	\$26,686	24.0%	\$137,878	4.2%	\$115,889	\$27,813	\$143,702	2028Q3	14.6%	\$132,794	\$31,871	\$164,665
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$111,192	\$26,686	24.0%	\$137,878		\$115,889	\$27,813	\$143,702			\$132,794	\$31,871	\$164,665
01	LANDS AND DAMAGES	\$3,895	\$935	24.0%	\$4,830	4.2%	\$4,059	\$974	\$5,034	2028Q2	13.8%	\$4,621	\$1,109	\$5,731
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$19,544	\$4,690	24.0%	\$24,234	2.5%	\$20,032	\$4,808	\$24,840	2028Q2	13.8%	\$22,804	\$5,473	\$28,277
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-2.4%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$5,452	\$1,308	24.0%	\$6,760	2.5%	\$5,588	\$1,341	\$6,929	2028Q3	14.6%	\$6,403	\$1,537	\$7,939
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
CONTRACT COST TOTALS:		\$140,083	\$33,620		\$173,703		\$145,569	\$34,936	\$180,505			\$166,622	\$39,989	\$206,612

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 404574
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan						Program Year (Budget EC): 2023 Effective Price Level Date: 1 OCT 22									
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Spent Thru: 1-Oct-21 (\$K)	TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
19	BUILDINGS, GROUNDS & UTILITIES	\$111,192	\$26,686	24.0%	\$137,878	4.2%	\$115,889	\$27,813	\$143,702	\$0	\$143,702	14.6%	\$132,794	\$31,871	\$164,665
19	BUILDINGS, GROUNDS & UTILITIES	\$45,836	\$11,001	24.0%	\$56,837	4.2%	\$47,772	\$11,465	\$59,238	\$0	\$59,238	14.6%	\$54,741	\$13,138	\$67,879
19	BUILDINGS, GROUNDS & UTILITIES	\$11,438	\$2,745	24.0%	\$14,183	4.2%	\$11,921	\$2,861	\$14,782	\$0	\$14,782	14.6%	\$13,660	\$3,278	\$16,938
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$168,466	\$40,432		\$208,898	4.2%	\$175,582	\$42,140	\$217,722	\$0	\$217,722	14.6%	\$201,195	\$48,287	\$249,482
01	LANDS AND DAMAGES	\$6,675	\$1,602	24.0%	\$8,277	4.2%	\$6,957	\$1,670	\$8,626	\$0	\$8,626	13.8%	\$7,920	\$1,901	\$9,821
30	PLANNING, ENGINEERING & DESIGN	\$30,468	\$7,312	24.0%	\$37,780	2.5%	\$31,230	\$7,495	\$38,725	\$0	\$38,725	13.8%	\$35,550	\$8,532	\$44,082
31	CONSTRUCTION MANAGEMENT	\$9,344	\$2,242	24.0%	\$11,586	2.5%	\$9,577	\$2,299	\$11,876	\$0	\$11,876	14.6%	\$10,973	\$2,634	\$13,607
	PROJECT COST TOTALS:	\$214,953	\$51,589	24.0%	\$266,541		\$223,346	\$53,603	\$276,949	\$0	\$276,949	14.5%	\$255,639	\$61,353	\$316,992

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$316,992**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan WBS Civil Works <u>NUMBER</u> <u>Feature & Sub-Feature Description</u> <u>A</u> <u>B</u>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023		Mid-Point	INFLATED	COST	CNTG	FULL
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
		<u>COST</u>	<u>CNTG</u>	<u>CNTG</u>	<u>TOTAL</u>	<u>ESC</u>	<u>COST</u>	<u>CNTG</u>	<u>TOTAL</u>	<u>Date</u>	<u>(%)</u>	<u>(\$K)</u>	<u>(\$K)</u>	<u>(\$K)</u>
		<u>(\$K)</u>	<u>(\$K)</u>	<u>(%)</u>	<u>(\$K)</u>	<u>(%)</u>	<u>(\$K)</u>	<u>(\$K)</u>	<u>(\$K)</u>	<u>P</u>	<u>L</u>	<u>M</u>	<u>N</u>	<u>O</u>
	Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$45,836	\$11,001	24.0%	\$56,837	4.2%	\$47,772	\$11,465	\$59,238	2028Q3	14.6%	\$54,741	\$13,138	\$67,879
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$45,836	\$11,001	24.0%	\$56,837		\$47,772	\$11,465	\$59,238			\$54,741	\$13,138	\$67,879
01	LANDS AND DAMAGES	\$2,297	\$551	24.0%	\$2,848	4.2%	\$2,394	\$574	\$2,968	2028Q2	13.8%	\$2,725	\$654	\$3,379
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$9,083	\$2,180	24.0%	\$11,263	2.5%	\$9,310	\$2,235	\$11,545	2028Q2	13.8%	\$10,599	\$2,544	\$13,142
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-2.4%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$3,215	\$772	24.0%	\$3,986	2.5%	\$3,295	\$791	\$4,086	2028Q3	14.6%	\$3,775	\$906	\$4,682
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$60,431	\$14,503		\$74,934		\$62,771	\$15,065	\$77,837			\$71,840	\$17,242	\$89,082

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$11,438	\$2,745	24.0%	\$14,183	4.2%	\$11,921	\$2,861	\$14,782	2028Q3	14.6%	\$13,660	\$3,278	\$16,938
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$11,438	\$2,745	24.0%	\$14,183		\$11,921	\$2,861	\$14,782			\$13,660	\$3,278	\$16,938
01	LANDS AND DAMAGES	\$483	\$116	24.0%	\$599	4.2%	\$504	\$121	\$625	2028Q2	13.8%	\$574	\$138	\$711
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$1,841	\$442	24.0%	\$2,283	2.5%	\$1,887	\$453	\$2,340	2028Q2	13.8%	\$2,148	\$516	\$2,664
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-2.4%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$677	\$162	24.0%	\$839	2.5%	\$694	\$166	\$860	2028Q3	14.6%	\$795	\$191	\$986
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	14.6%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$14,439	\$3,465		\$17,904		\$15,006	\$3,601	\$18,607			\$17,176	\$4,122	\$21,299

Attachment 4

Total Project Cost Summary (October 2022)

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**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan						Program Year (Budget EC): 2023 Effective Price Level Date: 1 OCT 22									
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Spent Thru: 1-Oct-21 (\$K) K	TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
19	BUILDINGS, GROUNDS & UTILITIES	\$111,192	\$26,686	24.0%	\$137,878	9.7%	\$122,017	\$29,284	\$151,302	\$0	\$151,302	15.5%	\$140,901	\$33,816	\$174,717
19	BUILDINGS, GROUNDS & UTILITIES	\$45,836	\$11,001	24.0%	\$56,837	9.7%	\$50,299	\$12,072	\$62,370	\$0	\$62,370	15.5%	\$58,083	\$13,940	\$72,023
19	BUILDINGS, GROUNDS & UTILITIES	\$11,438	\$2,745	24.0%	\$14,183	9.7%	\$12,551	\$3,012	\$15,564	\$0	\$15,564	15.5%	\$14,494	\$3,479	\$17,972
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$168,466	\$40,432		\$208,898	9.7%	\$184,867	\$44,368	\$229,236	\$0	\$229,236	15.5%	\$213,477	\$51,235	\$264,712
01	LANDS AND DAMAGES	\$6,675	\$1,602	24.0%	\$8,277	10.5%	\$7,374	\$1,770	\$9,144	\$0	\$9,144	14.7%	\$8,461	\$2,031	\$10,491
30	PLANNING, ENGINEERING & DESIGN	\$30,468	\$7,312	24.0%	\$37,780	4.1%	\$31,720	\$7,613	\$39,333	\$0	\$39,333	12.8%	\$35,776	\$8,586	\$44,362
31	CONSTRUCTION MANAGEMENT	\$9,344	\$2,242	24.0%	\$11,586	4.1%	\$9,728	\$2,335	\$12,062	\$0	\$12,062	13.4%	\$11,032	\$2,648	\$13,679
	PROJECT COST TOTALS:	\$214,953	\$51,589	24.0%	\$266,541		\$233,690	\$56,086	\$289,775	\$0	\$289,775	15.0%	\$268,746	\$64,499	\$333,245

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$333,245**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$111,192	\$26,686	24.0%	\$137,878	9.7%	\$122,017	\$29,284	\$151,302	2028Q3	15.5%	\$140,901	\$33,816	\$174,717
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$111,192	\$26,686	24.0%	\$137,878		\$122,017	\$29,284	\$151,302			\$140,901	\$33,816	\$174,717
01	LANDS AND DAMAGES	\$3,895	\$935	24.0%	\$4,830	10.5%	\$4,303	\$1,033	\$5,336	2028Q2	14.7%	\$4,937	\$1,185	\$6,122
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$19,544	\$4,690	24.0%	\$24,234	4.1%	\$20,347	\$4,883	\$25,230	2028Q2	12.8%	\$22,949	\$5,508	\$28,456
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$5,452	\$1,308	24.0%	\$6,760	4.1%	\$5,676	\$1,362	\$7,038	2028Q3	13.4%	\$6,437	\$1,545	\$7,982
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$140,083	\$33,620		\$173,703		\$152,344	\$36,562	\$188,906			\$175,223	\$42,054	\$217,277

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$45,836	\$11,001	24.0%	\$56,837	9.7%	\$50,299	\$12,072	\$62,370	2028Q3	15.5%	\$58,083	\$13,940	\$72,023
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$45,836	\$11,001	24.0%	\$56,837		\$50,299	\$12,072	\$62,370			\$58,083	\$13,940	\$72,023
01	LANDS AND DAMAGES	\$2,297	\$551	24.0%	\$2,848	10.5%	\$2,537	\$609	\$3,146	2028Q2	14.7%	\$2,911	\$699	\$3,610
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$9,083	\$2,180	24.0%	\$11,263	4.1%	\$9,457	\$2,270	\$11,726	2028Q2	12.8%	\$10,666	\$2,560	\$13,226
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$3,215	\$772	24.0%	\$3,986	4.1%	\$3,347	\$803	\$4,150	2028Q3	13.4%	\$3,796	\$911	\$4,707
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$60,431	\$14,503		\$74,934		\$65,640	\$15,753	\$81,393			\$75,455	\$18,109	\$93,565

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
Recommended Plan		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$11,438	\$2,745	24.0%	\$14,183	9.7%	\$12,551	\$3,012	\$15,564	2028Q3	15.5%	\$14,494	\$3,479	\$17,972
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$11,438	\$2,745	24.0%	\$14,183		\$12,551	\$3,012	\$15,564			\$14,494	\$3,479	\$17,972
01	LANDS AND DAMAGES	\$483	\$116	24.0%	\$599	10.5%	\$534	\$128	\$662	2028Q2	14.7%	\$613	\$147	\$760
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$1,841	\$442	24.0%	\$2,283	4.1%	\$1,917	\$460	\$2,377	2028Q2	12.8%	\$2,162	\$519	\$2,681
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$677	\$162	24.0%	\$839	4.1%	\$705	\$169	\$874	2028Q3	13.4%	\$799	\$192	\$991
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$14,439	\$3,465		\$17,904		\$15,707	\$3,770	\$19,476			\$18,067	\$4,336	\$22,404

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$709	\$170	24.0%	\$879	9.7%	\$778	\$187	\$965	\$0	\$965	15.5%	\$898	\$216	\$1,114	
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877	\$0	\$877	15.5%	\$817	\$196	\$1,013	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$1,353	\$325		\$1,678	9.7%	\$1,485	\$356	\$1,841	\$0	\$1,841	15.5%	\$1,715	\$412	\$2,126	
01	LANDS AND DAMAGES	\$67	\$16	24.0%	\$83	10.5%	\$74	\$18	\$92	\$0	\$92	14.7%	\$85	\$20	\$106	
30	PLANNING, ENGINEERING & DESIGN	\$321	\$77	24.0%	\$398	4.1%	\$334	\$80	\$415	\$0	\$415	12.8%	\$377	\$91	\$468	
31	CONSTRUCTION MANAGEMENT	\$94	\$23	24.0%	\$117	4.1%	\$98	\$23	\$121	\$0	\$121	13.4%	\$111	\$27	\$138	
	PROJECT COST TOTALS:	\$1,836	\$441	24.0%	\$2,276		\$1,992	\$478	\$2,470	\$0	\$2,470	14.9%	\$2,288	\$549	\$2,837	

	CHIEF, COST ENGINEERING, xxx	
	PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST: \$2,837
	CHIEF, REAL ESTATE, xxx	
	CHIEF, PLANNING, xxx	
	CHIEF, ENGINEERING, xxx	
	CHIEF, OPERATIONS, xxx	
	CHIEF, CONSTRUCTION, xxx	
	CHIEF, CONTRACTING, xxx	
	CHIEF, PM-PB, xxx	
	CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 1. Plan A Block Island </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	RISK BASED				ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)									
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$709	\$170	24.0%	\$879	9.7%	\$778	\$187	\$965	2028Q3	15.5%	\$898	\$216	\$1,114
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$709	\$170	24.0%	\$879		\$778	\$187	\$965			\$898	\$216	\$1,114
01	LANDS AND DAMAGES	\$27	\$6	24.0%	\$33	10.5%	\$30	\$7	\$37	2028Q2	14.7%	\$34	\$8	\$42
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$141	\$34	24.0%	\$174	4.1%	\$146	\$35	\$181	2028Q2	12.8%	\$165	\$40	\$205
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	2028Q3	13.4%	\$44	\$11	\$55
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$914	\$219		\$1,133		\$993	\$238	\$1,231			\$1,142	\$274	\$1,416

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
1. Plan A Block Island		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877	2028Q3	15.5%	\$817	\$196	\$1,013
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$644	\$155	24.0%	\$799		\$707	\$170	\$877			\$817	\$196	\$1,013
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55	2028Q2	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$181	\$43	24.0%	\$224	4.1%	\$188	\$45	\$233	2028Q2	12.8%	\$212	\$51	\$263
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73	2028Q3	13.4%	\$67	\$16	\$83
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$922	\$221		\$1,143		\$999	\$240	\$1,238			\$1,146	\$275	\$1,422

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
1. Plan A Block Island		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)			
2. Plan A Cranston Mall		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22				Spent Thru: 1-Oct-21 (\$K)	TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
						ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B														
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0			\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$1,367	\$328	24.0%	\$1,695	9.7%	\$1,500	\$360	\$1,860	\$0	\$1,860	15.5%	\$1,732	\$416	\$2,148
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,367	\$328		\$1,695	9.7%	\$1,500	\$360	\$1,860	\$0	\$1,860	15.5%	\$1,732	\$416	\$2,148
01	LANDS AND DAMAGES	\$67	\$16	24.0%	\$83	10.5%	\$74	\$18	\$92	\$0	\$92	14.7%	\$85	\$20	\$106
30	PLANNING, ENGINEERING & DESIGN	\$83	\$20	24.0%	\$103	4.1%	\$87	\$21	\$108	\$0	\$108	12.8%	\$98	\$23	\$121
31	CONSTRUCTION MANAGEMENT	\$47	\$11	24.0%	\$58	4.1%	\$49	\$12	\$61	\$0	\$61	13.4%	\$55	\$13	\$69
PROJECT COST TOTALS:		\$1,564	\$375	24.0%	\$1,940		\$1,710	\$410	\$2,120	\$0	\$2,120	15.2%	\$1,970	\$473	\$2,443

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$2,443**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 2. Plan A Cranston Mall </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
2. Plan A Cranston Mall		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$1,367	\$328	24.0%	\$1,695	9.7%	\$1,500	\$360	\$1,860	2028Q3	15.5%	\$1,732	\$416	\$2,148
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,367	\$328	24.0%	\$1,695		\$1,500	\$360	\$1,860			\$1,732	\$416	\$2,148
01	LANDS AND DAMAGES	\$67	\$16	24.0%	\$83	10.5%	\$74	\$18	\$92	2028Q2	14.7%	\$85	\$20	\$106
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$83	\$20	24.0%	\$103	4.1%	\$87	\$21	\$108	2028Q2	12.8%	\$98	\$23	\$121
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$47	\$11	24.0%	\$58	4.1%	\$49	\$12	\$61	2028Q3	13.4%	\$55	\$13	\$69
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,564	\$375		\$1,940		\$1,710	\$410	\$2,120			\$1,970	\$473	\$2,443

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
2. Plan A Cranston Mall		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$1,932	\$464	24.0%	\$2,395	9.7%	\$2,120	\$509	\$2,628	\$0	\$2,628	15.5%	\$2,448	\$587	\$3,035	
19	BUILDINGS, GROUNDS & UTILITIES	\$2,870	\$689	24.0%	\$3,559	9.7%	\$3,150	\$756	\$3,906	\$0	\$3,906	15.5%	\$3,637	\$873	\$4,510	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$4,802	\$1,152		\$5,955	9.7%	\$5,270	\$1,265	\$6,534	\$0	\$6,534	15.5%	\$6,085	\$1,460	\$7,545	
01	LANDS AND DAMAGES	\$228	\$55	24.0%	\$283	10.5%	\$252	\$61	\$313	\$0	\$313	14.7%	\$289	\$69	\$359	
30	PLANNING, ENGINEERING & DESIGN	\$1,074	\$258	24.0%	\$1,332	4.1%	\$1,119	\$268	\$1,387	\$0	\$1,387	12.8%	\$1,262	\$303	\$1,564	
31	CONSTRUCTION MANAGEMENT	\$320	\$77	24.0%	\$396	4.1%	\$333	\$80	\$413	\$0	\$413	13.4%	\$377	\$91	\$468	
	PROJECT COST TOTALS:	\$6,424	\$1,542	24.0%	\$7,966		\$6,973	\$1,674	\$8,647	\$0	\$8,647	14.9%	\$8,013	\$1,923	\$9,937	

	CHIEF, COST ENGINEERING, xxx																
	PROJECT MANAGER, xxx																
	CHIEF, REAL ESTATE, xxx																
	CHIEF, PLANNING, xxx																
	CHIEF, ENGINEERING, xxx																
	CHIEF, OPERATIONS, xxx																
	CHIEF, CONSTRUCTION, xxx																
	CHIEF, CONTRACTING, xxx																
	CHIEF, PM-PB, xxx																
	CHIEF, DPM, xxx																

ESTIMATED TOTAL PROJECT COST: \$9,937

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 3. Plan A Downtown Warwick </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$1,932	\$464	24.0%	\$2,395	9.7%	\$2,120	\$509	\$2,628	2028Q3	15.5%	\$2,448	\$587	\$3,035
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,932	\$464	24.0%	\$2,395		\$2,120	\$509	\$2,628			\$2,448	\$587	\$3,035
01	LANDS AND DAMAGES	\$67	\$16	24.0%	\$83	10.5%	\$74	\$18	\$92	2028Q2	14.7%	\$85	\$20	\$106
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$351	\$84	24.0%	\$436	4.1%	\$366	\$88	\$453	2028Q2	12.8%	\$412	\$99	\$511
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$94	\$23	24.0%	\$117	4.1%	\$98	\$23	\$121	2028Q3	13.4%	\$111	\$27	\$138
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$2,444	\$587		\$3,031		\$2,658	\$638	\$3,295			\$3,056	\$734	\$3,790

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 3. Plan A Downtown Warwick </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,870	\$689	24.0%	\$3,559	9.7%	\$3,150	\$756	\$3,906	2028Q3	15.5%	\$3,637	\$873	\$4,510
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,870	\$689	24.0%	\$3,559		\$3,150	\$756	\$3,906			\$3,637	\$873	\$4,510
01	LANDS AND DAMAGES	\$161	\$39	24.0%	\$200	10.5%	\$178	\$43	\$221	2028Q2	14.7%	\$204	\$49	\$253
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$723	\$174	24.0%	\$897	4.1%	\$753	\$181	\$933	2028Q2	12.8%	\$849	\$204	\$1,053
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$226	\$54	24.0%	\$280	4.1%	\$235	\$56	\$291	2028Q3	13.4%	\$266	\$64	\$330
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$3,980	\$955		\$4,935		\$4,316	\$1,036	\$5,351			\$4,957	\$1,190	\$6,147

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
3. Plan A Downtown Warwick		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,148	\$516	24.0%	\$2,664	9.7%	\$2,357	\$566	\$2,923	\$0	\$2,923	\$2,923	15.5%	\$2,722	\$653	\$3,375
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,148	\$516		\$2,664	9.7%	\$2,357	\$566	\$2,923	\$0	\$2,923	\$2,923	15.5%	\$2,722	\$653	\$3,375
01	LANDS AND DAMAGES	\$134	\$32	24.0%	\$167	10.5%	\$148	\$36	\$184	\$0	\$184	\$184	14.7%	\$170	\$41	\$211
30	PLANNING, ENGINEERING & DESIGN	\$500	\$120	24.0%	\$620	4.1%	\$521	\$125	\$645	\$0	\$645	\$645	12.8%	\$587	\$141	\$728
31	CONSTRUCTION MANAGEMENT	\$188	\$45	24.0%	\$233	4.1%	\$196	\$47	\$243	\$0	\$243	\$243	13.4%	\$222	\$53	\$275
	PROJECT COST TOTALS:	\$2,970	\$713	24.0%	\$3,683		\$3,222	\$773	\$3,995	\$0	\$3,995	\$3,995	14.9%	\$3,701	\$888	\$4,589

	CHIEF, COST ENGINEERING, xxx		
	PROJECT MANAGER, xxx		
	CHIEF, REAL ESTATE, xxx		
	CHIEF, PLANNING, xxx		
	CHIEF, ENGINEERING, xxx		
	CHIEF, OPERATIONS, xxx		
	CHIEF, CONSTRUCTION, xxx		
	CHIEF, CONTRACTING, xxx		
	CHIEF, PM-PB, xxx		
	CHIEF, DPM, xxx		
		ESTIMATED TOTAL PROJECT COST:	\$4,589

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 4. Plan A East Greenwich </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	20.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 4. Plan A East Greenwich </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,148	\$516	24.0%	\$2,664	9.7%	\$2,357	\$566	\$2,923	2028Q3	15.5%	\$2,722	\$653	\$3,375
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,148	\$516	24.0%	\$2,664		\$2,357	\$566	\$2,923			\$2,722	\$653	\$3,375
01	LANDS AND DAMAGES	\$134	\$32	24.0%	\$167	10.5%	\$148	\$36	\$184	2028Q2	14.7%	\$170	\$41	\$211
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$500	\$120	24.0%	\$620	4.1%	\$521	\$125	\$645	2028Q2	12.8%	\$587	\$141	\$728
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$188	\$45	24.0%	\$233	4.1%	\$196	\$47	\$243	2028Q3	13.4%	\$222	\$53	\$275
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$2,970	\$713		\$3,683		\$3,222	\$773	\$3,995			\$3,701	\$888	\$4,589

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
4. Plan A East Greenwich		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
5. Plan A Newport Downtown						Program Year (Budget EC): 2023 Effective Price Level Date: 1 OCT 22									
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Spent Thru: 1-Oct-21 (\$K) K	TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
19	BUILDINGS, GROUNDS & UTILITIES	\$32,269	\$7,745	24.0%	\$40,014	9.7%	\$35,411	\$8,499	\$43,910	\$0	\$43,910	15.5%	\$40,891	\$9,814	\$50,705
19	BUILDINGS, GROUNDS & UTILITIES	\$12,286	\$2,949	24.0%	\$15,234	9.7%	\$13,482	\$3,236	\$16,717	\$0	\$16,717	15.5%	\$15,568	\$3,736	\$19,304
19	BUILDINGS, GROUNDS & UTILITIES	\$1,152	\$276	24.0%	\$1,428	9.7%	\$1,264	\$303	\$1,567	\$0	\$1,567	15.5%	\$1,460	\$350	\$1,810
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$45,707	\$10,970		\$56,677	9.7%	\$50,157	\$12,038	\$62,194	\$0	\$62,194	15.5%	\$57,919	\$13,901	\$71,819
01	LANDS AND DAMAGES	\$1,652	\$396	24.0%	\$2,048	10.5%	\$1,825	\$438	\$2,263	\$0	\$2,263	14.7%	\$2,094	\$503	\$2,596
30	PLANNING, ENGINEERING & DESIGN	\$9,663	\$2,319	24.0%	\$11,982	4.1%	\$10,060	\$2,415	\$12,475	\$0	\$12,475	12.8%	\$11,347	\$2,723	\$14,070
31	CONSTRUCTION MANAGEMENT	\$2,491	\$598	24.0%	\$3,089	4.1%	\$2,593	\$622	\$3,216	\$0	\$3,216	13.4%	\$2,941	\$706	\$3,647
	PROJECT COST TOTALS:	\$59,513	\$14,283	24.0%	\$73,796		\$64,636	\$15,513	\$80,148	\$0	\$80,148	15.0%	\$74,301	\$17,832	\$92,133

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$92,133**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 5. Plan A Newport Downtown </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$32,269	\$7,745	24.0%	\$40,014	9.7%	\$35,411	\$8,499	\$43,910	2028Q3	15.5%	\$40,891	\$9,814	\$50,705
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$32,269	\$7,745	24.0%	\$40,014		\$35,411	\$8,499	\$43,910			\$40,891	\$9,814	\$50,705
01	LANDS AND DAMAGES	\$1,115	\$268	24.0%	\$1,382	10.5%	\$1,232	\$296	\$1,527	2028Q2	14.7%	\$1,413	\$339	\$1,752
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$6,461	\$1,551	24.0%	\$8,012	4.1%	\$6,727	\$1,614	\$8,341	2028Q2	12.8%	\$7,587	\$1,821	\$9,408
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$1,692	\$406	24.0%	\$2,098	4.1%	\$1,762	\$423	\$2,184	2028Q3	13.4%	\$1,998	\$479	\$2,477
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$41,537	\$9,969		\$51,506		\$45,131	\$10,831	\$55,962			\$51,889	\$12,453	\$64,342

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
5. Plan A Newport Downtown		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$12,286	\$2,949	24.0%	\$15,234	9.7%	\$13,482	\$3,236	\$16,717	2028Q3	15.5%	\$15,568	\$3,736	\$19,304
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$12,286	\$2,949	24.0%	\$15,234		\$13,482	\$3,236	\$16,717			\$15,568	\$3,736	\$19,304
		\$484												
01	LANDS AND DAMAGES	\$484	\$116	24.0%	\$600	10.5%	\$534	\$128	\$662	2028Q2	14.7%	\$613	\$147	\$760
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$2,586	\$621	24.0%	\$3,207	4.1%	\$2,692	\$646	\$3,338	2028Q2	12.8%	\$3,036	\$729	\$3,765
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$724	\$174	24.0%	\$898	4.1%	\$754	\$181	\$934	2028Q3	13.4%	\$855	\$205	\$1,060
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$16,562	\$3,859		\$19,938		\$17,462	\$4,191	\$21,652			\$20,072	\$4,817	\$24,889

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
5. Plan A Newport Downtown		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$1,152	\$276	24.0%	\$1,428	9.7%	\$1,264	\$303	\$1,567	2028Q3	15.5%	\$1,460	\$350	\$1,810
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,152	\$276	24.0%	\$1,428		\$1,264	\$303	\$1,567			\$1,460	\$350	\$1,810
01	LANDS AND DAMAGES	\$54	\$13	24.0%	\$67	10.5%	\$59	\$14	\$74	2028Q2	14.7%	\$68	\$16	\$84
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$616	\$148	24.0%	\$764	4.1%	\$641	\$154	\$795	2028Q2	12.8%	\$723	\$174	\$897
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$75	\$18	24.0%	\$93	4.1%	\$78	\$19	\$97	2028Q3	13.4%	\$89	\$21	\$110
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,897	\$455		\$2,352		\$2,043	\$490	\$2,533			\$2,340	\$562	\$2,902

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)				
6. Plan A Quonset Airport						Program Year (Budget EC): 2023 Effective Price Level Date: 1 OCT 22									
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Spent Thru: 1-Oct-21 (\$K)	TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,675	\$642	24.0%	\$3,316	9.7%	\$2,935	\$704	\$3,639	\$0	\$3,639	15.5%	\$3,389	\$813	\$4,203
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877	\$0	\$877	15.5%	\$817	\$196	\$1,013
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$3,319	\$797		\$4,116	9.7%	\$3,642	\$874	\$4,516	\$0	\$4,516	15.5%	\$4,206	\$1,009	\$5,215
01	LANDS AND DAMAGES	\$134	\$32	24.0%	\$167	10.5%	\$148	\$36	\$184	\$0	\$184	14.7%	\$170	\$41	\$211
30	PLANNING, ENGINEERING & DESIGN	\$500	\$120	24.0%	\$620	4.1%	\$521	\$125	\$645	\$0	\$645	12.8%	\$587	\$141	\$728
31	CONSTRUCTION MANAGEMENT	\$188	\$45	24.0%	\$233	4.1%	\$196	\$47	\$243	\$0	\$243	13.4%	\$222	\$53	\$275
	PROJECT COST TOTALS:	\$4,141	\$994	24.0%	\$5,135		\$4,507	\$1,082	\$5,588	\$0	\$5,588	15.1%	\$5,185	\$1,244	\$6,429

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST: \$6,429
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)						
<div style="background-color: yellow; text-align: center; padding: 5px;"> 6. Plan A Quonset Airport </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023								
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22								
WBS NUMBER	Civil Works Feature & Sub-Feature Description	RISK BASED				ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)		
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)										C	D
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0		
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
30	PLANNING, ENGINEERING & DESIGN															
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0		
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
31	CONSTRUCTION MANAGEMENT															
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0		

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
6. Plan A Quonset Airport		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,675	\$642	24.0%	\$3,316	9.7%	\$2,935	\$704	\$3,639	2028Q3	15.5%	\$3,389	\$813	\$4,203
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,675	\$642	24.0%	\$3,316		\$2,935	\$704	\$3,639			\$3,389	\$813	\$4,203
01	LANDS AND DAMAGES	\$94	\$23	24.0%	\$117	10.5%	\$104	\$25	\$129	2028Q2	14.7%	\$119	\$29	\$148
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$350	\$84	24.0%	\$434	4.1%	\$364	\$87	\$452	2028Q2	12.8%	\$411	\$99	\$510
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$132	\$32	24.0%	\$163	4.1%	\$137	\$33	\$170	2028Q3	13.4%	\$155	\$37	\$193
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$3,250	\$780		\$4,030		\$3,540	\$850	\$4,390			\$4,075	\$978	\$5,053

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
6. Plan A Quonset Airport		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877	2028Q3	15.5%	\$817	\$196	\$1,013
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$644	\$155	24.0%	\$799		\$707	\$170	\$877			\$817	\$196	\$1,013
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55	2028Q2	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$150	\$36	24.0%	\$186	4.1%	\$156	\$37	\$194	2028Q2	12.8%	\$176	\$42	\$218
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73	2028Q3	13.4%	\$67	\$16	\$83
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$891	\$214		\$1,105		\$967	\$232	\$1,198			\$1,110	\$266	\$1,377

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$702	\$169	24.0%	\$871	9.7%	\$771	\$185	\$955	\$0	\$955	15.5%	\$890	\$214	\$1,103	
19	BUILDINGS, GROUNDS & UTILITIES	\$430	\$103	24.0%	\$533	9.7%	\$471	\$113	\$585	\$0	\$585	15.5%	\$544	\$131	\$675	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$1,132	\$272		\$1,403	9.7%	\$1,242	\$298	\$1,540	\$0	\$1,540	15.5%	\$1,434	\$344	\$1,778	
01	LANDS AND DAMAGES	\$54	\$13	24.0%	\$67	10.5%	\$59	\$14	\$74	\$0	\$74	14.7%	\$68	\$16	\$84	
30	PLANNING, ENGINEERING & DESIGN	\$220	\$53	24.0%	\$273	4.1%	\$229	\$55	\$284	\$0	\$284	12.8%	\$258	\$62	\$320	
31	CONSTRUCTION MANAGEMENT	\$75	\$18	24.0%	\$93	4.1%	\$78	\$19	\$97	\$0	\$97	13.4%	\$89	\$21	\$110	
PROJECT COST TOTALS:		\$1,481	\$355	24.0%	\$1,836		\$1,609	\$386	\$1,995	\$0	\$1,995	15.0%	\$1,849	\$444	\$2,293	

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$2,293**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 7. Plan A Sakonnet </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$702	\$169	24.0%	\$871	9.7%	\$771	\$185	\$955	2028Q3	15.5%	\$890	\$214	\$1,103
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$702	\$169	24.0%	\$871		\$771	\$185	\$955			\$890	\$214	\$1,103
01	LANDS AND DAMAGES	\$27	\$6	24.0%	\$33	10.5%	\$30	\$7	\$37	2028Q2	14.7%	\$34	\$8	\$42
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$120	\$29	24.0%	\$149	4.1%	\$125	\$30	\$155	2028Q2	12.8%	\$141	\$34	\$175
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	2028Q3	13.4%	\$44	\$11	\$55
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$887	\$213		\$1,099		\$964	\$231	\$1,196			\$1,109	\$266	\$1,375

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
7. Plan A Sakonnet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$430	\$103	24.0%	\$533	9.7%	\$471	\$113	\$585	2028Q3	15.5%	\$544	\$131	\$675
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$430	\$103	24.0%	\$533		\$471	\$113	\$585			\$544	\$131	\$675
01	LANDS AND DAMAGES	\$27	\$6	24.0%	\$33	10.5%	\$30	\$7	\$37	2028Q2	14.7%	\$34	\$8	\$42
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$100	\$24	24.0%	\$124	4.1%	\$104	\$25	\$129	2028Q2	12.8%	\$117	\$28	\$146
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	2028Q3	13.4%	\$44	\$11	\$55
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$594	\$143		\$737		\$644	\$155	\$799			\$740	\$178	\$918

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
7. Plan A Sakonnet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$1,057	\$254	24.0%	\$1,310	9.7%	\$1,159	\$278	\$1,438	\$0	\$1,438	15.5%	\$1,339	\$321	\$1,660	
19	BUILDINGS, GROUNDS & UTILITIES	\$937	\$225	24.0%	\$1,162	9.7%	\$1,028	\$247	\$1,275	\$0	\$1,275	15.5%	\$1,188	\$285	\$1,473	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$1,994	\$478		\$2,472	9.7%	\$2,188	\$525	\$2,713	\$0	\$2,713	15.5%	\$2,526	\$606	\$3,133	
01	LANDS AND DAMAGES	\$81	\$19	24.0%	\$100	10.5%	\$89	\$21	\$110	\$0	\$110	14.7%	\$102	\$25	\$127	
30	PLANNING, ENGINEERING & DESIGN	\$330	\$79	24.0%	\$409	4.1%	\$344	\$82	\$426	\$0	\$426	12.8%	\$387	\$93	\$480	
31	CONSTRUCTION MANAGEMENT	\$113	\$27	24.0%	\$140	4.1%	\$117	\$28	\$146	\$0	\$146	13.4%	\$133	\$32	\$165	
PROJECT COST TOTALS:		\$2,517	\$604	24.0%	\$3,121		\$2,738	\$657	\$3,395	\$0	\$3,395	15.0%	\$3,149	\$756	\$3,905	

	CHIEF, COST ENGINEERING, xxx																
	PROJECT MANAGER, xxx																
	CHIEF, REAL ESTATE, xxx																
	CHIEF, PLANNING, xxx																
	CHIEF, ENGINEERING, xxx																
	CHIEF, OPERATIONS, xxx																
	CHIEF, CONSTRUCTION, xxx																
	CHIEF, CONTRACTING, xxx																
	CHIEF, PM-PB, xxx																
	CHIEF, DPM, xxx																

ESTIMATED TOTAL PROJECT COST: \$3,905

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
8. Plan A Outliers		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$1,057	\$254	24.0%	\$1,310	9.7%	\$1,159	\$278	\$1,438	2028Q3	15.5%	\$1,339	\$321	\$1,660
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,057	\$254	24.0%	\$1,310		\$1,159	\$278	\$1,438			\$1,339	\$321	\$1,660
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55	2028Q2	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$180	\$43	24.0%	\$223	4.1%	\$187	\$45	\$232	2028Q2	12.8%	\$211	\$51	\$262
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73	2028Q3	13.4%	\$67	\$16	\$83
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,333	\$320		\$1,653		\$1,450	\$348	\$1,798			\$1,668	\$400	\$2,068

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
8. Plan A Outliers		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$937	\$225	24.0%	\$1,162	9.7%	\$1,028	\$247	\$1,275	2028Q3	15.5%	\$1,188	\$285	\$1,473
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$937	\$225	24.0%	\$1,162		\$1,028	\$247	\$1,275			\$1,188	\$285	\$1,473
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55	2028Q2	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$150	\$36	24.0%	\$186	4.1%	\$156	\$37	\$194	2028Q2	12.8%	\$176	\$42	\$218
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73	2028Q3	13.4%	\$67	\$16	\$83
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,184	\$284		\$1,468		\$1,288	\$309	\$1,597			\$1,481	\$356	\$1,837

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
8. Plan A Outliers		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,226	\$534	24.0%	\$2,760	9.7%	\$2,443	\$586	\$3,029		\$0	\$3,029	15.5%	\$2,821	\$677	\$3,498
19	BUILDINGS, GROUNDS & UTILITIES	\$4,262	\$1,023	24.0%	\$5,285	9.7%	\$4,677	\$1,122	\$5,799		\$0	\$5,799	15.5%	\$5,401	\$1,296	\$6,697
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$6,488	\$1,557		\$8,045	9.7%	\$7,119	\$1,709	\$8,828		\$0	\$8,828	15.5%	\$8,221	\$1,973	\$10,194
01	LANDS AND DAMAGES	\$322	\$77	24.0%	\$400	10.5%	\$356	\$85	\$442		\$0	\$442	14.7%	\$409	\$98	\$507
30	PLANNING, ENGINEERING & DESIGN	\$600	\$144	24.0%	\$744	4.1%	\$625	\$150	\$775		\$0	\$775	12.8%	\$705	\$169	\$874
31	CONSTRUCTION MANAGEMENT	\$451	\$108	24.0%	\$559	4.1%	\$470	\$113	\$582		\$0	\$582	13.4%	\$533	\$128	\$661
	PROJECT COST TOTALS:	\$7,861	\$1,887	24.0%	\$9,748		\$8,570	\$2,057	\$10,627		\$0	\$10,627	15.1%	\$9,867	\$2,368	\$12,235

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$12,235

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
9. Additional Floodproofings Barrington		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
9. Additional Floodproofings Barrington		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,226	\$534	24.0%	\$2,760	9.7%	\$2,443	\$586	\$3,029	2028Q3	15.5%	\$2,821	\$677	\$3,498
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,226	\$534	24.0%	\$2,760		\$2,443	\$586	\$3,029			\$2,821	\$677	\$3,498
01	LANDS AND DAMAGES	\$121	\$29	24.0%	\$150	10.5%	\$134	\$32	\$166	2028Q2	14.7%	\$153	\$37	\$190
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$225	\$54	24.0%	\$279	4.1%	\$234	\$56	\$290	2028Q2	12.8%	\$264	\$63	\$328
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$169	\$41	24.0%	\$210	4.1%	\$176	\$42	\$218	2028Q3	13.4%	\$200	\$48	\$248
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$2,741	\$658		\$3,399		\$2,987	\$717	\$3,703			\$3,438	\$825	\$4,263

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
9. Additional Floodproofings Barrington		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$4,262	\$1,023	24.0%	\$5,285	9.7%	\$4,677	\$1,122	\$5,799	2028Q3	15.5%	\$5,401	\$1,296	\$6,697
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$4,262	\$1,023	24.0%	\$5,285		\$4,677	\$1,122	\$5,799			\$5,401	\$1,296	\$6,697
01	LANDS AND DAMAGES	\$201	\$48	24.0%	\$250	10.5%	\$223	\$53	\$276	2028Q2	14.7%	\$255	\$61	\$317
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$375	\$90	24.0%	\$465	4.1%	\$390	\$94	\$484	2028Q2	12.8%	\$440	\$106	\$546
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$282	\$68	24.0%	\$350	4.1%	\$294	\$70	\$364	2028Q3	13.4%	\$333	\$80	\$413
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$5,120	\$1,229		\$6,349		\$5,583	\$1,340	\$6,923			\$6,429	\$1,543	\$7,972

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$859	\$206	24.0%	\$1,065	9.7%	\$943	\$226	\$1,169		\$0	\$1,169	15.5%	\$1,089	\$261	\$1,350
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,074	\$258		\$1,332	9.7%	\$1,179	\$283	\$1,461		\$0	\$1,461	15.5%	\$1,361	\$327	\$1,688
01	LANDS AND DAMAGES	\$67	\$16	24.0%	\$83	10.5%	\$74	\$18	\$92		\$0	\$92	14.7%	\$85	\$20	\$106
30	PLANNING, ENGINEERING & DESIGN	\$250	\$60	24.0%	\$310	4.1%	\$260	\$62	\$323		\$0	\$323	12.8%	\$294	\$70	\$364
31	CONSTRUCTION MANAGEMENT	\$94	\$23	24.0%	\$117	4.1%	\$98	\$23	\$121		\$0	\$121	13.4%	\$111	\$27	\$138
	PROJECT COST TOTALS:	\$1,485	\$356	24.0%	\$1,842		\$1,611	\$387	\$1,997		\$0	\$1,997	14.9%	\$1,851	\$444	\$2,295

	CHIEF, COST ENGINEERING, xxx		
	PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST:	\$2,295
	CHIEF, REAL ESTATE, xxx		
	CHIEF, PLANNING, xxx		
	CHIEF, ENGINEERING, xxx		
	CHIEF, OPERATIONS, xxx		
	CHIEF, CONSTRUCTION, xxx		
	CHIEF, CONTRACTING, xxx		
	CHIEF, PM-PB, xxx		
	CHIEF, DPM, xxx		

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
10. Additional Floodproofings Bristol		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
10. Additional Floodproofings Bristol		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$859	\$206	24.0%	\$1,065	9.7%	\$943	\$226	\$1,169	2028Q3	15.5%	\$1,089	\$261	\$1,350
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$859	\$206	24.0%	\$1,065		\$943	\$226	\$1,169			\$1,089	\$261	\$1,350
01	LANDS AND DAMAGES	\$54	\$13	24.0%	\$67	10.5%	\$59	\$14	\$74	2028Q2	14.7%	\$68	\$16	\$84
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$200	\$48	24.0%	\$248	4.1%	\$208	\$50	\$258	2028Q2	12.8%	\$235	\$56	\$291
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$75	\$18	24.0%	\$93	4.1%	\$78	\$19	\$97	2028Q3	13.4%	\$89	\$21	\$110
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,188	\$285		\$1,473		\$1,289	\$309	\$1,598			\$1,480	\$355	\$1,836

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
10. Additional Floodproofings Bristol		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$400			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
11. Additional Floodproofings Fort Ave																
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877		\$0	\$877	15.5%	\$817	\$196	\$1,013
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$644	\$155		\$799	9.7%	\$707	\$170	\$877		\$0	\$877	15.5%	\$817	\$196	\$1,013
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55		\$0	\$55	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN	\$150	\$36	24.0%	\$186	4.1%	\$156	\$37	\$194		\$0	\$194	12.8%	\$176	\$42	\$218
31	CONSTRUCTION MANAGEMENT	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73		\$0	\$73	13.4%	\$67	\$16	\$83
	PROJECT COST TOTALS:	\$891	\$214	24.0%	\$1,105		\$967	\$232	\$1,198		\$0	\$1,198	14.9%	\$1,110	\$266	\$1,377

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST:	\$1,377

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
11. Additional Floodproofings Fort Ave		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
11. Additional Floodproofings Fort Ave		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$644	\$155	24.0%	\$799	9.7%	\$707	\$170	\$877	2028Q3	15.5%	\$817	\$196	\$1,013
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$644	\$155	24.0%	\$799		\$707	\$170	\$877			\$817	\$196	\$1,013
01	LANDS AND DAMAGES	\$40	\$10	24.0%	\$50	10.5%	\$45	\$11	\$55	2028Q2	14.7%	\$51	\$12	\$63
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$150	\$36	24.0%	\$186	4.1%	\$156	\$37	\$194	2028Q2	12.8%	\$176	\$42	\$218
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$56	\$14	24.0%	\$70	4.1%	\$59	\$14	\$73	2028Q3	13.4%	\$67	\$16	\$83
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$891	\$214		\$1,105		\$967	\$232	\$1,198			\$1,110	\$266	\$1,377

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
11. Additional Floodproofings Fort Ave		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
12. Additional Floodproofings Nannaquaket Pond																
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	\$0	\$65	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	\$0	\$24	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$297	\$71	24.0%	\$368		\$322	\$77	\$400	\$0	\$400	\$400	14.9%	\$370	\$89	\$459

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$459

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
12. Additional Floodproofings Nannaquaket Pond		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
12. Additional Floodproofings Nannaquaket Pond		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$400			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
12. Additional Floodproofings Nannaquaket Pond		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
13. Additional Floodproofings Narragansett																
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$430	\$103	24.0%	\$533	9.7%	\$471	\$113	\$585	\$0	\$585	\$585	15.5%	\$544	\$131	\$675
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$430	\$103		\$533	9.7%	\$471	\$113	\$585	\$0	\$585	\$585	15.5%	\$544	\$131	\$675
01	LANDS AND DAMAGES	\$27	\$6	24.0%	\$33	10.5%	\$30	\$7	\$37	\$0	\$37	\$37	14.7%	\$34	\$8	\$42
30	PLANNING, ENGINEERING & DESIGN	\$100	\$24	24.0%	\$124	4.1%	\$104	\$25	\$129	\$0	\$129	\$129	12.8%	\$117	\$28	\$146
31	CONSTRUCTION MANAGEMENT	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	\$0	\$49	\$49	13.4%	\$44	\$11	\$55
	PROJECT COST TOTALS:	\$594	\$143	24.0%	\$737		\$644	\$155	\$799	\$0	\$799	\$799	14.9%	\$740	\$178	\$918

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING,xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$918

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
13. Additional Floodproofings Narragansett		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
13. Additional Floodproofings Narragansett		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$430	\$103	24.0%	\$533	9.7%	\$471	\$113	\$585	2028Q3	15.5%	\$544	\$131	\$675
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$430	\$103	24.0%	\$533		\$471	\$113	\$585			\$544	\$131	\$675
01	LANDS AND DAMAGES	\$27	\$6	24.0%	\$33	10.5%	\$30	\$7	\$37	2028Q2	14.7%	\$34	\$8	\$42
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$100	\$24	24.0%	\$124	4.1%	\$104	\$25	\$129	2028Q2	12.8%	\$117	\$28	\$146
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	2028Q3	13.4%	\$44	\$11	\$55
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$594	\$143		\$737		\$644	\$155	\$799			\$740	\$178	\$918

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
13. Additional Floodproofings Narragansett		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
14. Additional Floodproofings Shawomet																
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$25	\$6	24.0%	\$31	4.1%	\$26	\$6	\$32	\$0	\$32	\$32	12.8%	\$29	\$7	\$36
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	\$0	\$24	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$272	\$65	24.0%	\$337		\$296	\$71	\$367	\$0	\$367	\$367	15.1%	\$341	\$82	\$423

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$423**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
14. Additional Floodproofings Shawomet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
14. Additional Floodproofings Shawomet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$25	\$6	24.0%	\$31	4.1%	\$26	\$6	\$32	2028Q2	12.8%	\$29	\$7	\$36
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$272	\$65		\$337		\$296	\$71	\$367			\$341	\$82	\$423

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
14. Additional Floodproofings Shawomet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
15.	Additional Floodproofings Warren															
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$10,158	\$2,438	24.0%	\$12,596	9.7%	\$11,147	\$2,675	\$13,823	\$0	\$13,823	\$13,823	15.5%	\$12,873	\$3,089	\$15,962
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$10,158	\$2,438		\$12,596	9.7%	\$11,147	\$2,675	\$13,823	\$0	\$13,823	\$13,823	15.5%	\$12,873	\$3,089	\$15,962
01	LANDS AND DAMAGES	\$497	\$119	24.0%	\$616	10.5%	\$549	\$132	\$681	\$0	\$681	\$681	14.7%	\$630	\$151	\$781
30	PLANNING, ENGINEERING & DESIGN	\$1,850	\$444	24.0%	\$2,294	4.1%	\$1,926	\$462	\$2,388	\$0	\$2,388	\$2,388	12.8%	\$2,172	\$521	\$2,694
31	CONSTRUCTION MANAGEMENT	\$696	\$167	24.0%	\$863	4.1%	\$724	\$174	\$898	\$0	\$898	\$898	13.4%	\$821	\$197	\$1,018
PROJECT COST TOTALS:		\$13,201	\$3,168	24.0%	\$16,369		\$14,347	\$3,443	\$17,790	\$0	\$17,790	\$17,790	15.0%	\$16,496	\$3,959	\$20,455

	CHIEF, COST ENGINEERING, xxx		
	PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST:	\$20,455
	CHIEF, REAL ESTATE, xxx		
	CHIEF, PLANNING, xxx		
	CHIEF, ENGINEERING, xxx		
	CHIEF, OPERATIONS, xxx		
	CHIEF, CONSTRUCTION, xxx		
	CHIEF, CONTRACTING, xxx		
	CHIEF, PM-PB, xxx		
	CHIEF, DPM, xxx		

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
15. Additional Floodproofings Warren		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
15. Additional Floodproofings Warren		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$10,158	\$2,438	24.0%	\$12,596	9.7%	\$11,147	\$2,675	\$13,823	2028Q3	15.5%	\$12,873	\$3,089	\$15,962
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$10,158	\$2,438	24.0%	\$12,596		\$11,147	\$2,675	\$13,823			\$12,873	\$3,089	\$15,962
01	LANDS AND DAMAGES	\$497	\$119	24.0%	\$616	10.5%	\$549	\$132	\$681	2028Q2	14.7%	\$630	\$151	\$781
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$1,850	\$444	24.0%	\$2,294	4.1%	\$1,926	\$462	\$2,388	2028Q2	12.8%	\$2,172	\$521	\$2,694
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$696	\$167	24.0%	\$863	4.1%	\$724	\$174	\$898	2028Q3	13.4%	\$821	\$197	\$1,018
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$13,201	\$3,168		\$16,369		\$14,347	\$3,443	\$17,790			\$16,496	\$3,959	\$20,455

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
15. Additional Floodproofings Warren		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
16.	Additional Floodproofings Wickford															
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$7,518	\$1,804	24.0%	\$9,322	9.7%	\$8,250	\$1,980	\$10,230	\$0	\$10,230	\$10,230	15.5%	\$9,527	\$2,286	\$11,813
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$7,518	\$1,804		\$9,322	9.7%	\$8,250	\$1,980	\$10,230	\$0	\$10,230	\$10,230	15.5%	\$9,527	\$2,286	\$11,813
01	LANDS AND DAMAGES	\$470	\$113	24.0%	\$583	10.5%	\$519	\$125	\$644	\$0	\$644	\$644	14.7%	\$596	\$143	\$739
30	PLANNING, ENGINEERING & DESIGN	\$1,750	\$420	24.0%	\$2,170	4.1%	\$1,822	\$437	\$2,259	\$0	\$2,259	\$2,259	12.8%	\$2,055	\$493	\$2,548
31	CONSTRUCTION MANAGEMENT	\$658	\$158	24.0%	\$816	4.1%	\$685	\$164	\$849	\$0	\$849	\$849	13.4%	\$777	\$186	\$963
PROJECT COST TOTALS:		\$10,396	\$2,495	24.0%	\$12,891		\$11,276	\$2,706	\$13,982	\$0	\$13,982	\$13,982	14.9%	\$12,954	\$3,109	\$16,063

	CHIEF, COST ENGINEERING, xxx		
	PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST:	\$16,063
	CHIEF, REAL ESTATE, xxx		
	CHIEF, PLANNING, xxx		
	CHIEF, ENGINEERING, xxx		
	CHIEF, OPERATIONS, xxx		
	CHIEF, CONSTRUCTION, xxx		
	CHIEF, CONTRACTING, xxx		
	CHIEF, PM-PB, xxx		
	CHIEF, DPM, xxx		

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
16. Additional Floodproofings Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
16. Additional Floodproofings Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$7,518	\$1,804	24.0%	\$9,322	9.7%	\$8,250	\$1,980	\$10,230	2028Q3	15.5%	\$9,527	\$2,286	\$11,813
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$7,518	\$1,804	24.0%	\$9,322		\$8,250	\$1,980	\$10,230			\$9,527	\$2,286	\$11,813
01	LANDS AND DAMAGES	\$470	\$113	24.0%	\$583	10.5%	\$519	\$125	\$644	2028Q2	14.7%	\$596	\$143	\$739
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$1,750	\$420	24.0%	\$2,170	4.1%	\$1,822	\$437	\$2,259	2028Q2	12.8%	\$2,055	\$493	\$2,548
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$658	\$158	24.0%	\$816	4.1%	\$685	\$164	\$849	2028Q3	13.4%	\$777	\$186	\$963
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$10,396	\$2,495		\$12,891		\$11,276	\$2,706	\$13,982			\$12,954	\$3,109	\$16,063

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
16. Additional Floodproofings Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
17.	Socially Vulnerable Oakland Beach															
19	BUILDINGS, GROUNDS & UTILITIES	\$10,675	\$2,562	24.0%	\$13,237	9.7%	\$11,714	\$2,811	\$14,525	\$0	\$14,525	15.5%	\$13,527	\$3,246	\$16,773	
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	\$0	\$292	15.5%	\$272	\$65	\$338	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$10,890	\$2,614		\$13,503	9.7%	\$11,950	\$2,868	\$14,818	\$0	\$14,818	15.5%	\$13,799	\$3,312	\$17,111	
01	LANDS AND DAMAGES	\$389	\$93	24.0%	\$483	10.5%	\$430	\$103	\$534	\$0	\$534	14.7%	\$494	\$118	\$612	
30	PLANNING, ENGINEERING & DESIGN	\$2,027	\$487	24.0%	\$2,514	4.1%	\$2,111	\$507	\$2,617	\$0	\$2,617	12.8%	\$2,381	\$571	\$2,952	
31	CONSTRUCTION MANAGEMENT	\$545	\$131	24.0%	\$676	4.1%	\$568	\$136	\$704	\$0	\$704	13.4%	\$644	\$154	\$798	
PROJECT COST TOTALS:		\$13,852	\$3,324	24.0%	\$17,176		\$15,058	\$3,614	\$18,672	\$0	\$18,672	15.0%	\$17,317	\$4,156	\$21,473	

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING,xxx
- _____ CHIEF, PM-PB, xxxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$21,473

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
17. Socially Vulnerable Oakland Beach		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$10,675	\$2,562	24.0%	\$13,237	9.7%	\$11,714	\$2,811	\$14,525	2028Q3	15.5%	\$13,527	\$3,246	\$16,773
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$10,675	\$2,562	24.0%	\$13,237		\$11,714	\$2,811	\$14,525			\$13,527	\$3,246	\$16,773
01	LANDS AND DAMAGES	\$376	\$90	24.0%	\$466	10.5%	\$415	\$100	\$515	2028Q2	14.7%	\$477	\$114	\$591
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$1,967	\$472	24.0%	\$2,439	4.1%	\$2,048	\$492	\$2,540	2028Q2	12.8%	\$2,310	\$554	\$2,864
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$526	\$126	24.0%	\$653	4.1%	\$548	\$132	\$680	2028Q3	13.4%	\$622	\$149	\$771
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$13,544	\$3,251		\$16,795		\$14,726	\$3,534	\$18,260			\$16,935	\$4,064	\$20,999

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
17. Socially Vulnerable Oakland Beach		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$60	\$14	24.0%	\$75	4.1%	\$63	\$15	\$78	2028Q2	12.8%	\$71	\$17	\$88
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$307	\$74		\$381		\$333	\$80	\$413			\$382	\$92	\$474

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
17. Socially Vulnerable Oakland Beach		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
18.	Socially Vulnerable Fort Ave															
19	BUILDINGS, GROUNDS & UTILITIES	\$3,329	\$799	24.0%	\$4,128	9.7%	\$3,653	\$877	\$4,530	\$0	\$4,530	15.5%	\$4,219	\$1,013	\$5,231	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$3,329	\$799		\$4,128	9.7%	\$3,653	\$877	\$4,530	\$0	\$4,530	15.5%	\$4,219	\$1,013	\$5,231	
01	LANDS AND DAMAGES	\$121	\$29	24.0%	\$150	10.5%	\$134	\$32	\$166	\$0	\$166	14.7%	\$153	\$37	\$190	
30	PLANNING, ENGINEERING & DESIGN	\$632	\$152	24.0%	\$784	4.1%	\$658	\$158	\$816	\$0	\$816	12.8%	\$742	\$178	\$921	
31	CONSTRUCTION MANAGEMENT	\$169	\$41	24.0%	\$210	4.1%	\$176	\$42	\$218	\$0	\$218	13.4%	\$200	\$48	\$248	
PROJECT COST TOTALS:		\$4,252	\$1,020	24.0%	\$5,272		\$4,621	\$1,109	\$5,731	\$0	\$5,731	15.0%	\$5,314	\$1,275	\$6,590	

	CHIEF, COST ENGINEERING, xxx	
	PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST: \$6,590
	CHIEF, REAL ESTATE, xxx	
	CHIEF, PLANNING, xxx	
	CHIEF, ENGINEERING, xxx	
	CHIEF, OPERATIONS, xxx	
	CHIEF, CONSTRUCTION, xxx	
	CHIEF, CONTRACTING, xxx	
	CHIEF, PM-PB, xxx	
	CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
18. Socially Vulnerable Fort Ave WBS NUMBER Civil Works Feature & Sub-Feature Description A B		Estimate Prepared: 16-Sep-22		Effective Price Level: 1-Oct-21		Program Year (Budget EC): 2023		Effective Price Level Date: 1 OCT 22						
		RISK BASED												
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
		C	D	E	F	G	H	I	J	P	L	M	N	O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$3,329	\$799	24.0%	\$4,128	9.7%	\$3,653	\$877	\$4,530	2028Q3	15.5%	\$4,219	\$1,013	\$5,231
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$3,329	\$799	24.0%	\$4,128		\$3,653	\$877	\$4,530			\$4,219	\$1,013	\$5,231
01	LANDS AND DAMAGES	\$121	\$29	24.0%	\$150	10.5%	\$134	\$32	\$166	2028Q2	14.7%	\$153	\$37	\$190
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$632	\$152	24.0%	\$784	4.1%	\$658	\$158	\$816	2028Q2	12.8%	\$742	\$178	\$921
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$169	\$41	24.0%	\$210	4.1%	\$176	\$42	\$218	2028Q3	13.4%	\$200	\$48	\$248
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$4,252	\$1,020		\$5,272		\$4,621	\$1,109	\$5,731			\$5,314	\$1,275	\$6,590

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
18. Socially Vulnerable Fort Ave		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
18. Socially Vulnerable Fort Ave		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$25,105	\$6,025	24.0%	\$31,130	9.7%	\$27,549	\$6,612	\$34,161	\$0	\$34,161	15.5%	\$31,813	\$7,635	\$39,448	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$25,105	\$6,025		\$31,130	9.7%	\$27,549	\$6,612	\$34,161	\$0	\$34,161	15.5%	\$31,813	\$7,635	\$39,448	
01	LANDS AND DAMAGES	\$833	\$200	24.0%	\$1,033	10.5%	\$920	\$221	\$1,141	\$0	\$1,141	14.7%	\$1,055	\$253	\$1,309	
30	PLANNING, ENGINEERING & DESIGN	\$3,720	\$893	24.0%	\$4,613	4.1%	\$3,873	\$929	\$4,802	\$0	\$4,802	12.8%	\$4,368	\$1,048	\$5,416	
31	CONSTRUCTION MANAGEMENT	\$1,166	\$280	24.0%	\$1,445	4.1%	\$1,214	\$291	\$1,505	\$0	\$1,505	13.4%	\$1,376	\$330	\$1,706	
PROJECT COST TOTALS:		\$30,823	\$7,398	24.0%	\$38,221		\$33,556	\$8,053	\$41,609	\$0	\$41,609	15.1%	\$38,612	\$9,267	\$47,879	

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$47,879**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
19. Socially Vulnerable Warren		Estimate Prepared: 16-Sep-22		Program Year (Budget EC): 2023		Effective Price Level: 1-Oct-21		Effective Price Level Date: 1 OCT 22						
		RISK BASED												
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$25,105	\$6,025	24.0%	\$31,130	9.7%	\$27,549	\$6,612	\$34,161	2028Q3	15.5%	\$31,813	\$7,635	\$39,448
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$25,105	\$6,025	24.0%	\$31,130		\$27,549	\$6,612	\$34,161			\$31,813	\$7,635	\$39,448
01	LANDS AND DAMAGES	\$833	\$200	24.0%	\$1,033	10.5%	\$920	\$221	\$1,141	2028Q2	14.7%	\$1,055	\$253	\$1,309
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$3,720	\$893	24.0%	\$4,613	4.1%	\$3,873	\$929	\$4,802	2028Q2	12.8%	\$4,368	\$1,048	\$5,416
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$1,166	\$280	24.0%	\$1,445	4.1%	\$1,214	\$291	\$1,505	2028Q3	13.4%	\$1,376	\$330	\$1,706
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$30,823	\$7,398		\$38,221		\$33,556	\$8,053	\$41,609			\$38,612	\$9,267	\$47,879

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
19. Socially Vulnerable Warren		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
19. Socially Vulnerable Warren		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
20.	Historic District Wickford															
19	BUILDINGS, GROUNDS & UTILITIES	\$30,479	\$7,315	24.0%	\$37,794	9.7%	\$33,446	\$8,027	\$41,474	\$0	\$41,474	15.5%	\$38,623	\$9,269	\$47,892	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$30,479	\$7,315		\$37,794	9.7%	\$33,446	\$8,027	\$41,474	\$0	\$41,474	15.5%	\$38,623	\$9,269	\$47,892	
01	LANDS AND DAMAGES	\$1,101	\$264	24.0%	\$1,366	10.5%	\$1,217	\$292	\$1,509	\$0	\$1,509	14.7%	\$1,396	\$335	\$1,731	
30	PLANNING, ENGINEERING & DESIGN	\$5,761	\$1,383	24.0%	\$7,144	4.1%	\$5,998	\$1,439	\$7,437	\$0	\$7,437	12.8%	\$6,765	\$1,624	\$8,388	
31	CONSTRUCTION MANAGEMENT	\$1,542	\$370	24.0%	\$1,912	4.1%	\$1,605	\$385	\$1,990	\$0	\$1,990	13.4%	\$1,820	\$437	\$2,257	
PROJECT COST TOTALS:		\$38,883	\$9,332	24.0%	\$48,215		\$42,266	\$10,144	\$52,410	\$0	\$52,410	15.0%	\$48,603	\$11,665	\$60,268	

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$60,268**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
20. Historic District Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	RISK BASED		ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
				CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$30,479	\$7,315	24.0%	\$37,794	9.7%	\$33,446	\$8,027	\$41,474	2028Q3	15.5%	\$38,623	\$9,269	\$47,892
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$30,479	\$7,315	24.0%	\$37,794		\$33,446	\$8,027	\$41,474			\$38,623	\$9,269	\$47,892
01	LANDS AND DAMAGES	\$1,101	\$264	24.0%	\$1,366	10.5%	\$1,217	\$292	\$1,509	2028Q2	14.7%	\$1,396	\$335	\$1,731
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$5,761	\$1,383	24.0%	\$7,144	4.1%	\$5,998	\$1,439	\$7,437	2028Q2	12.8%	\$6,765	\$1,624	\$8,388
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$1,542	\$370	24.0%	\$1,912	4.1%	\$1,605	\$385	\$1,990	2028Q3	13.4%	\$1,820	\$437	\$2,257
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$38,883	\$9,332		\$48,215		\$42,266	\$10,144	\$52,410			\$48,603	\$11,665	\$60,268

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
20. Historic District Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
20. Historic District Wickford		Estimate Prepared:		16-Sep-22	Program Year (Budget EC):		2023							
		Effective Price Level:		1-Oct-21	Effective Price Level Date:		1 OCT 22							
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
21. BCR > 1.0 Barrington																
19	BUILDINGS, GROUNDS & UTILITIES	\$1,418	\$340	24.0%	\$1,758	9.7%	\$1,556	\$373	\$1,929	\$0	\$1,929	15.5%	\$1,797	\$431	\$2,228	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$1,418	\$340		\$1,758	9.7%	\$1,556	\$373	\$1,929	\$0	\$1,929	15.5%	\$1,797	\$431	\$2,228	
01	LANDS AND DAMAGES	\$54	\$13	24.0%	\$67	10.5%	\$59	\$14	\$74	\$0	\$74	14.7%	\$68	\$16	\$84	
30	PLANNING, ENGINEERING & DESIGN	\$60	\$14	24.0%	\$74	4.1%	\$62	\$15	\$77	\$0	\$77	12.8%	\$70	\$17	\$87	
31	CONSTRUCTION MANAGEMENT	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	\$0	\$49	13.4%	\$44	\$11	\$55	
PROJECT COST TOTALS:		\$1,569	\$377	24.0%	\$1,946		\$1,717	\$412	\$2,129	\$0	\$2,129	15.3%	\$1,979	\$475	\$2,455	

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST: \$2,455	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 21. BCR > 1.0 Barrington </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED			ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O	
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E										TOTAL (\$K) F
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$1,418	\$340	24.0%	\$1,758	9.7%	\$1,556	\$373	\$1,929	2028Q3	15.5%	\$1,797	\$431	\$2,228
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,418	\$340	24.0%	\$1,758		\$1,556	\$373	\$1,929			\$1,797	\$431	\$2,228
01	LANDS AND DAMAGES	\$54	\$13	24.0%	\$67	10.5%	\$59	\$14	\$74	2028Q2	14.7%	\$68	\$16	\$84
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$60	\$14	24.0%	\$74	4.1%	\$62	\$15	\$77	2028Q2	12.8%	\$70	\$17	\$87
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$38	\$9	24.0%	\$47	4.1%	\$39	\$9	\$49	2028Q3	13.4%	\$44	\$11	\$55
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,569	\$377		\$1,946		\$1,717	\$412	\$2,129			\$1,979	\$475	\$2,455

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 21. BCR > 1.0 Barrington </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
21. BCR > 1.0 Barrington		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
22. BCR > 1.0 Laurel Park																
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119		\$614

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING, xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px; text-align: center;"> 22. BCR > 1.0 Laurel Park </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 22. BCR > 1.0 Laurel Park </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
22. BCR > 1.0 Laurel Park		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
23. BCR > 1.0 Little Tree Point																
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119		\$614

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST: \$614
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 23. BCR > 1.0 Little Tree Point </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 23. BCR > 1.0 Little Tree Point </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
23. BCR > 1.0 Little Tree Point		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
24. BCR > 1.0 MB Narragansett																
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119		\$614

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST: \$614	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 24. BCR > 1.0 MB Narragansett </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 24. BCR > 1.0 MB Narragansett </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
24. BCR > 1.0 MB Narragansett		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** CONTRACT COST SUMMARY ****

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
25. BCR > 1.0 Sakonnet North																
19	BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83		\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$386	\$93	24.0%	\$478		\$422	\$101	\$523	\$0	\$523	15.3%	\$486	\$117		\$603

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 25. BCR > 1.0 Sakonnet North </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	2028Q3	15.5%	\$441	\$106	\$546
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83	24.0%	\$431		\$382	\$92	\$473			\$441	\$106	\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$386	\$93		\$478		\$422	\$101	\$523			\$486	\$117	\$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 25. BCR > 1.0 Sakonnet North </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
25. BCR > 1.0 Sakonnet North		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
26. BCR > 1.0 Sakonnet South																
19	BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83		\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$386	\$93	24.0%	\$478		\$422	\$101	\$523	\$0	\$523	15.3%	\$486	\$117		\$603

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 26. BCR > 1.0 Sakonnet South </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	2028Q3	15.5%	\$441	\$106	\$546
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83	24.0%	\$431		\$382	\$92	\$473			\$441	\$106	\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$386	\$93		\$478		\$422	\$101	\$523			\$486	\$117	\$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 26. BCR > 1.0 Sakonnet South </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
26. BCR > 1.0 Sakonnet South		Estimate Prepared:		16-Sep-22	Program Year (Budget EC):		2023							
		Effective Price Level:		1-Oct-21	Effective Price Level Date:		1 OCT 22							
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
27. BCR > 1.0 South Kingstown																
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119		\$614

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST: \$614
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 27. BCR > 1.0 South Kingstown </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	RISK BASED		ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
				CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 27. BCR > 1.0 South Kingstown </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
27. BCR > 1.0 South Kingstown		Estimate Prepared:		16-Sep-22	Program Year (Budget EC):		2023							
		Effective Price Level:		1-Oct-21	Effective Price Level Date:		1 OCT 22							
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
28. BCR > 1.0 Shawomet																
19	BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83		\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106		\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$386	\$93	24.0%	\$478		\$422	\$101	\$523	\$0	\$523	15.3%	\$486	\$117		\$603

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST: \$603	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 28. BCR > 1.0 Shawomet </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	2028Q3	15.5%	\$441	\$106	\$546
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83	24.0%	\$431		\$382	\$92	\$473			\$441	\$106	\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$386	\$93		\$478		\$422	\$101	\$523			\$486	\$117	\$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
28. BCR > 1.0 Shawomet		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
28. BCR > 1.0 Shawomet		Estimate Prepared:		16-Sep-22	Program Year (Budget EC):		2023							
		Effective Price Level:		1-Oct-21	Effective Price Level Date:		1 OCT 22							
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108	\$557	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108	\$557	
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4	\$21	
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4	\$22	
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3	\$14	
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119	\$614	

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	ESTIMATED TOTAL PROJECT COST:
CHIEF, REAL ESTATE, xxx	\$614
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 29. BCR > 1.0 Warwick Neck </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	RISK BASED		ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
				CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 29. BCR > 1.0 Warwick Neck </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
29. BCR > 1.0 Warwick Neck		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)					TOTAL PROJECT COST (FULLY FUNDED)					
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106	\$546	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0	\$0	
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83		\$431	9.7%	\$382	\$92	\$473	\$0	\$473	15.5%	\$441	\$106	\$546	
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4	\$21	
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4	\$22	
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3	\$14	
PROJECT COST TOTALS:		\$386	\$93	24.0%	\$478		\$422	\$101	\$523	\$0	\$523	15.3%	\$486	\$117	\$603	

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST:	\$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 30. BCR > 1.0 West Passage </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$348	\$83	24.0%	\$431	9.7%	\$382	\$92	\$473	2028Q3	15.5%	\$441	\$106	\$546
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$348	\$83	24.0%	\$431		\$382	\$92	\$473			\$441	\$106	\$546
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$386	\$93		\$478		\$422	\$101	\$523			\$486	\$117	\$603

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 30. BCR > 1.0 West Passage </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
30. BCR > 1.0 West Passage		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
31. BCR > 1.0 Wickford																
19	BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	#/N/A	\$0	\$0	-	\$0	-	\$0	\$0	\$0	\$0	\$0	-	\$0	\$0		\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85		\$439	9.7%	\$389	\$93	\$482	\$0	\$482	15.5%	\$449	\$108		\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	14.7%	\$17	\$4		\$21
30	PLANNING, ENGINEERING & DESIGN	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	\$0	\$19	12.8%	\$18	\$4		\$22
31	CONSTRUCTION MANAGEMENT	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	\$0	\$12	13.4%	\$11	\$3		\$14
PROJECT COST TOTALS:		\$392	\$94	24.0%	\$486		\$429	\$103	\$532	\$0	\$532	15.3%	\$495	\$119		\$614

CHIEF, COST ENGINEERING, xxx	
PROJECT MANAGER, xxx	
CHIEF, REAL ESTATE, xxx	
CHIEF, PLANNING, xxx	
CHIEF, ENGINEERING, xxx	
CHIEF, OPERATIONS, xxx	
CHIEF, CONSTRUCTION, xxx	
CHIEF, CONTRACTING, xxx	
CHIEF, PM-PB, xxx	
CHIEF, DPM, xxx	
ESTIMATED TOTAL PROJECT COST: \$614	

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; text-align: center; padding: 5px;"> 31. BCR > 1.0 Wickford </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	RISK BASED		ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
				CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$354	\$85	24.0%	\$439	9.7%	\$389	\$93	\$482	2028Q3	15.5%	\$449	\$108	\$557
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$354	\$85	24.0%	\$439		\$389	\$93	\$482			\$449	\$108	\$557
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$15	\$4	24.0%	\$19	4.1%	\$16	\$4	\$19	2028Q2	12.8%	\$18	\$4	\$22
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$9	\$2	24.0%	\$12	4.1%	\$10	\$2	\$12	2028Q3	13.4%	\$11	\$3	\$14
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$392	\$94		\$486		\$429	\$103	\$532			\$495	\$119	\$614

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
31. BCR > 1.0 Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
31. BCR > 1.0 Wickford		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18		\$0	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65		\$0	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24		\$0	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$297	\$71	24.0%	\$368		\$322	\$77	\$400		\$0	\$400	14.9%	\$370	\$89	\$459

- CHIEF, COST ENGINEERING, xxx
- PROJECT MANAGER, xxx
- CHIEF, REAL ESTATE, xxx
- CHIEF, PLANNING, xxx
- CHIEF, ENGINEERING, xxx
- CHIEF, OPERATIONS, xxx
- CHIEF, CONSTRUCTION, xxx
- CHIEF, CONTRACTING,xxx
- CHIEF, PM-PB, xxx
- CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$459

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
32. Additional CI Outlier (Grace Barker Nursing Home)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
32. Additional CI Outlier (Grace Barker Nursing Home)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
32. Additional CI Outlier (Grace Barker Nursing Home)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$400			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
33. Additional CI Outlier (East Bay Manor)		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B															
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$508	\$122	24.0%	\$629	9.7%	\$557	\$134	\$691	\$0	\$691	\$691	15.5%	\$643	\$154	\$798
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$508	\$122		\$629	9.7%	\$557	\$134	\$691	\$0	\$691	\$691	15.5%	\$643	\$154	\$798
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	\$0	\$65	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	\$0	\$24	\$24	13.4%	\$22	\$5	\$28
PROJECT COST TOTALS:		\$590	\$142	24.0%	\$731		\$643	\$154	\$798	\$0	\$798	\$798	15.2%	\$741	\$178	\$919

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$919

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 33. Additional CI Outlier (East Bay Manor) </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	RISK BASED				ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)									
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
33. Additional CI Outlier (East Bay Manor)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
33. Additional CI Outlier (East Bay Manor)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$508	\$122	24.0%	\$629	9.7%	\$557	\$134	\$691	2028Q3	15.5%	\$643	\$154	\$798
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$508	\$122	24.0%	\$629		\$557	\$134	\$691			\$643	\$154	\$798
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$590	\$142		\$731		\$643	\$154	\$798			\$741	\$178	\$919

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18		\$0	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65		\$0	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24		\$0	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$297	\$71	24.0%	\$368		\$322	\$77	\$400		\$0	\$400	14.9%	\$370	\$89	\$459

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING,xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$459**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
34. Additional CI Sakonnet (Pump Station)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
<div style="background-color: yellow; padding: 5px;"> 34. Additional CI Sakonnet (Pump Station) </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
34. Additional CI Sakonnet (Pump Station)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$400			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$1,255	\$301	24.0%	\$1,556	9.7%	\$1,377	\$330	\$1,707	\$1,707	\$1,707	\$1,707	15.5%	\$1,590	\$382	\$1,971
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,255	\$301		\$1,556	9.7%	\$1,377	\$330	\$1,707	\$1,707	\$1,707	\$1,707	15.5%	\$1,590	\$382	\$1,971
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$18	\$18	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	\$65	\$65	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	\$24	\$24	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$1,337	\$321	24.0%	\$1,658		\$1,463	\$351	\$1,814	\$0	\$1,814	\$1,814	15.3%	\$1,688	\$405	\$2,093

	CHIEF, COST ENGINEERING, xxx																
	PROJECT MANAGER, xxx																
	CHIEF, REAL ESTATE, xxx																
	CHIEF, PLANNING, xxx																
	CHIEF, ENGINEERING, xxx																
	CHIEF, OPERATIONS, xxx																
	CHIEF, CONSTRUCTION, xxx																
	CHIEF, CONTRACTING, xxx																
	CHIEF, PM-PB, xxx																
	CHIEF, DPM, xxx																

ESTIMATED TOTAL PROJECT COST: \$2,093

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
35. Additional CI Sakonnet (Substation)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
35. Additional CI Sakonnet (Substation)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
35. Additional CI Sakonnet (Substation)		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
CI Floodproofings														
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$1,255	\$301	24.0%	\$1,556	9.7%	\$1,377	\$330	\$1,707	2028Q3	15.5%	\$1,590	\$382	\$1,971
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$1,255	\$301	24.0%	\$1,556		\$1,377	\$330	\$1,707			\$1,590	\$382	\$1,971
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$1,337	\$321		\$1,658		\$1,463	\$351	\$1,814			\$1,688	\$405	\$2,093

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0		\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292		\$0	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18		\$0	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65		\$0	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24		\$0	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$297	\$71	24.0%	\$368		\$322	\$77	\$400		\$0	\$400	14.9%	\$370	\$89	\$459

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING, xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$459**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
36. Additional CI Bliss Mine Rd Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	RISK BASED				ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)									
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSR
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSR Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
36. Additional CI Bliss Mine Rd Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
36. Additional CI Bliss Mine Rd Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$400			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#/N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52		\$266	9.7%	\$236	\$57	\$292	\$0	\$292	\$292	15.5%	\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	\$0	\$18	\$18	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	\$0	\$65	\$65	12.8%	\$59	\$14	\$73
31	CONSTRUCTION MANAGEMENT	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	\$0	\$24	\$24	13.4%	\$22	\$5	\$28
	PROJECT COST TOTALS:	\$297	\$71	24.0%	\$368		\$322	\$77	\$399	\$0	\$399	\$399	14.9%	\$370	\$89	\$459

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING,xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: \$459

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
37. Additional CI Dyers Street Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	RISK BASED				ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
		COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F									
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
37. Additional CI Dyers Street Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Mid-Point Date P	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
37. Additional CI Dyers Street Pump Station		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$215	\$52	24.0%	\$266	9.7%	\$236	\$57	\$292	2028Q3	15.5%	\$272	\$65	\$338
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$215	\$52	24.0%	\$266		\$236	\$57	\$292			\$272	\$65	\$338
01	LANDS AND DAMAGES	\$13	\$3	24.0%	\$17	10.5%	\$15	\$4	\$18	2028Q2	14.7%	\$17	\$4	\$21
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$50	\$12	24.0%	\$62	4.1%	\$52	\$12	\$65	2028Q2	12.8%	\$59	\$14	\$73
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$19	\$5	24.0%	\$23	4.1%	\$20	\$5	\$24	2028Q3	13.4%	\$22	\$5	\$28
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$297	\$71		\$368		\$322	\$77	\$399			\$370	\$89	\$459

**** TOTAL PROJECT COST SUMMARY ****

PROJECT: RI Coastline CSRM
PROJECT NO: P2 xxxxxx
LOCATION: RI Coastline (multiple cities/towns)

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

This Estimate reflects the scope and schedule in report; RI Coastline CSRM Feasibility Study

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)						TOTAL PROJECT COST (FULLY FUNDED)				
WBS NUMBER A	Civil Works Feature & Sub-Feature Description B	COST (\$K) C	CNTG (\$K) D	CNTG (%) E	TOTAL (\$K) F	ESC (%) G	COST (\$K) H	CNTG (\$K) I	TOTAL (\$K) J	Program Year (Budget EC): Effective Price Level Date: 2023 1 OCT 22		TOTAL FIRST COST (\$K) K	INFLATED (%) L	COST (\$K) M	CNTG (\$K) N	FULL (\$K) O
										Spent Thru: 1-Oct-21 (\$K)						
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,543	\$610	24.0%	\$3,154	9.7%	\$2,791	\$670	\$3,461	\$0	\$3,461	\$3,461	15.5%	\$3,223	\$774	\$3,997
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	#N/A	\$0	\$0 -		\$0	-	\$0	\$0	\$0	\$0	\$0	\$0		\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,543	\$610		\$3,154	9.7%	\$2,791	\$670	\$3,461	\$0	\$3,461	\$3,461	15.5%	\$3,223	\$774	\$3,997
01	LANDS AND DAMAGES	\$94	\$23	24.0%	\$117	10.5%	\$104	\$25	\$129	\$0	\$129	\$129	14.7%	\$119	\$29	\$148
30	PLANNING, ENGINEERING & DESIGN	\$350	\$84	24.0%	\$434	4.1%	\$364	\$87	\$452	\$0	\$452	\$452	12.8%	\$411	\$99	\$510
31	CONSTRUCTION MANAGEMENT	\$132	\$32	24.0%	\$163	4.1%	\$137	\$33	\$170	\$0	\$170	\$170	13.4%	\$155	\$37	\$193
PROJECT COST TOTALS:		\$3,119	\$749	24.0%	\$3,868		\$3,396	\$815	\$4,211	\$0	\$4,211	\$4,211	15.1%	\$3,909	\$938	\$4,847

- _____ CHIEF, COST ENGINEERING, xxx
- _____ PROJECT MANAGER, xxx
- _____ CHIEF, REAL ESTATE, xxx
- _____ CHIEF, PLANNING, xxx
- _____ CHIEF, ENGINEERING, xxx
- _____ CHIEF, OPERATIONS, xxx
- _____ CHIEF, CONSTRUCTION, xxx
- _____ CHIEF, CONTRACTING,xxx
- _____ CHIEF, PM-PB, xxx
- _____ CHIEF, DPM, xxx

ESTIMATED TOTAL PROJECT COST: **\$4,847**

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)						
<div style="background-color: yellow; text-align: center; padding: 5px;"> 38. Additional CI Block Island </div>		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023								
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22								
WBS NUMBER	Civil Works Feature & Sub-Feature Description	RISK BASED				ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)		
		COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)										C	D
19	Elevations BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0		
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
30	PLANNING, ENGINEERING & DESIGN															
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0		
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0		
31	CONSTRUCTION MANAGEMENT															
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0		
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0		
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0		

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
38. Additional CI Block Island		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	Floodproofings													
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#/N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$0	\$0	0.0%	\$0		\$0	\$0	\$0			\$0	\$0	\$0
01	LANDS AND DAMAGES	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPRs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$0	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$0	\$0		\$0		\$0	\$0	\$0			\$0	\$0	\$0

**** TOTAL PROJECT COST SUMMARY ****

**** CONTRACT COST SUMMARY ****

PROJECT: RI Coastline CSRM
LOCATION: RI Coastline (multiple cities/towns)
This Estimate reflects the scope and schedule in report;

RI Coastline CSRM Feasibility Study

DISTRICT: NAE District
POC: CHIEF, COST ENGINEERING, xxx

PREPARED: 9/20/2022
UPDATED: 1/6/2023

Civil Works Work Breakdown Structure		ESTIMATED COST				PROJECT FIRST COST (Constant Dollar Basis)				TOTAL PROJECT COST (FULLY FUNDED)				
38. Additional CI Block Island		Estimate Prepared:		16-Sep-22		Program Year (Budget EC):		2023						
		Effective Price Level:		1-Oct-21		Effective Price Level Date:		1 OCT 22						
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	INFLATED (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	CI Floodproofings													
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
19	BUILDINGS, GROUNDS & UTILITIES	\$2,543	\$610	24.0%	\$3,154	9.7%	\$2,791	\$670	\$3,461	2028Q3	15.5%	\$3,223	\$774	\$3,997
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	#N/A		\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0	0.0%	\$0	\$0	\$0
	CONSTRUCTION ESTIMATE TOTALS:	\$2,543	\$610	24.0%	\$3,154		\$2,791	\$670	\$3,461			\$3,223	\$774	\$3,997
01	LANDS AND DAMAGES	\$94	\$23	24.0%	\$117	10.5%	\$104	\$25	\$129	2028Q2	14.7%	\$119	\$29	\$148
30	PLANNING, ENGINEERING & DESIGN													
2.5%	Project Management	\$350	\$84	24.0%	\$434	4.1%	\$364	\$87	\$452	2028Q2	12.8%	\$411	\$99	\$510
1.0%	Planning & Environmental Compliance	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
15.0%	Engineering & Design	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Reviews, ATRs, IEPs, VE	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Life Cycle Updates (cost, schedule, risks)	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
1.0%	Contracting & Reprographics	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
3.0%	Engineering During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.0%	Planning During Construction	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
3.0%	Adaptive Management & Monitoring	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	-3.9%	\$0	\$0	\$0
1.0%	Project Operations	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	12.8%	\$0	\$0	\$0
31	CONSTRUCTION MANAGEMENT													
10.0%	Construction Management	\$132	\$32	24.0%	\$163	4.1%	\$137	\$33	\$170	2028Q3	13.4%	\$155	\$37	\$193
2.0%	Project Operation:	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
2.5%	Project Management	included	\$0	24.0%	\$0	0.0%	\$0	\$0	\$0	0	13.4%	\$0	\$0	\$0
	CONTRACT COST TOTALS:	\$3,119	\$749		\$3,868		\$3,396	\$815	\$4,211			\$3,909	\$938	\$4,847