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## Appendix C—Cost Appendix & Certification

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# **MORGANZA TO THE GULF OF MEXICO PAC**

## **100 Year Protection Plan**

**(1% Annual Chance Surge Risk Reduction Plan)**

**COST ENGINEERING APPENDIX**<sub>(040521)</sub>

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## Cost Estimate

### Section 1. Cost estimate development

- a) The project cost estimate was developed in the TRACES MII cost estimating software and used the standard approaches for a feasibility estimate structure regarding labor, equipment, materials, crews, unit prices, quotes, sub- and prime contractor markups. This philosophy was taken wherever practical within the time constraints. It was supplemented with estimating information from other sources where necessary such as quotes, bid data, and A-E estimates. The intent was to provide or convey a “fair and reasonable” estimate that which depicts the local market conditions. The estimates assume a typical application of tiering subcontractors. Given the long time over which this project/program is to be constructed and the unknown economic status during that time, demands from non-governmental civil works projects were not considered to dampen the competition and increase prices.

### Section 2. Estimate Structure:

- a) The estimate is structured to reflect the projects performed. The estimates are subdivided by USACE feature codes and by local "reach" name.

### Section 3. Bid competition:

- a) It is assumed that there will not be an economically saturated market and that bidding competition will be present.

### Section 4. Contract Acquisition Strategy:

- a) It is assumed that the contract acquisition strategy will be similar to past projects with some negotiated contracts, focus and preference of small business/8(a), and large, unrestricted design/bid/build contracts. There is no declared contract acquisition plan/types at this time, so typical MVN goals for small business/set-aside contracts have been included on overall cost basis by assigning approximately 25% of construction dollars to the small business/set-aside contractor type.

### Section 5. Labor Shortages:

- a) It is assumed there will be a normal labor market.

### Section 6. Labor Rates:

- a) Local labor market wages are above the local Davis-Bacon Wage Determination and actual rates have been used. This is based upon local information and payroll data received from the New Orleans District Construction Representatives and estimators with experiences in past years.

### Section 7. Materials:

- a) Cost quotes are used on major construction items when available. Recent quotes may include borrow material, concrete, steel and concrete piling, rock, gravel and sand. Assumptions include:
  - i) Materials will be purchased as part of the construction contract. The estimate does not anticipate government furnished materials. Prices include delivery of materials.

- ii) Concrete - will be purchased from commercial batch plants.
  - iii) Borrow Material and Haul – Local have done one lift on most reaches for Morgazna to the Gulf. Also, borrow location and haul distances were able to be better defined. All borrow material is assumed Government furnished as it is a local sponsor responsibility. NO contractor furnished borrow source are used.
- b) The borrow quantity calculations followed the MVN Geotechnical guidance:
  - c) Hauled Levee: 10 BCY of borrow material = 12 LCY hauled = 8 ECY compacted.
  - d) An assumed average one-way haul distance of 7 miles for 100yr was used due to a committed borrow source being confirmed available. Adjacent borrow was assumed for Reach Barrier, A, B, and Larose to Lockport and the one-way haul distance was reduced to 3 miles. This decision is based upon the existing lifts that have been built by the sponsors and discussions with the New Orleans District cost engineers and MtoG PDT.
  - e) Haul speeds are estimated using 40 mph speed average given the long distances and rural areas. Since adjacent borrow was designated for Reach Barrier, A, B and Larose to Lockport, average speed was reduced to 25 mph.
  - f) Rock and stone - The New Orleans delta area has no rock sources. Historically, rock is barged from northern sources on the Mississippi River. This decision is based upon local knowledge, experience and supported with cost quotes.

Section 8. Equipment:

- a) Rates used are based from the latest USACE EP-1110-1-8, Region III. Adjustments are made for fuel and facility capital cost of money (FCCM). Judicious use of owned verses rental rates was considered based on typical contractor usage and local equipment availability. Only a few select pieces of marine \ marsh equipment are considered rental. Full FCCM/Cost of Money rate is latest available; Mii program takes EP recommended discount, no other adjustments have been made to the FCCM.
- i) Trucking: The estimate assumed independent self-employed trucking subcontractors due to the large numbers of trucks required.
- ii) Dozers: dozers of the D-5/D-6 variety were chosen based on historical knowledge. Heavier equipment gets mired in the mud and soft soils.
- iii) Rental Rates: Rental rates were used for various pieces of marine and marsh equipment where rental is typical such as marsh backhoes.

Section 9. Fuel:

- a) Fuels (gasoline, on and off-road diesel) were based on local market prices for on-road and off-road for the Gulf Coast area. The Team found that fuels fluctuate irrationally; thus, used the current price and placed a risk on the risk register.

Section 10. Crews:

- a) Major crew and productivity rates were developed and studied by senior USACE estimators familiar with the type of work. All of the work is typical to the New Orleans District. The crews and productivities were checked by local MVN estimators, discussions with contractors and comparisons with historical cost data. Major crews include haul, earthwork, piling, concrete, and deep soil mixing.
- b) Most crew work hours are assumed to be 10 hrs 6 days/wk which is typical to the area. Marine based bucket excavation/dredging operations for levee construction are assumed to work 2-12 hours shifts 7 days / week.
- c) A 10% “markup on labor for weather delay” is selectively applied to the labor in major earthwork placing detail items and associated items that would be affected by small amounts of weather making it unsafe or difficult to place (trying to run dump trucks on a wet levee) or be detrimental/non-compliant to the work being done (trying to place/compact material in the rain). The 10% markup is to cover the common practice of paying for labor “showing up” to the job site and then being sent home due to minor weather which is part of known average weather impacts as reflected within the standard contract specifications.

Section 11. Unit Prices:

- a) The unit prices found within the various project estimates will fluctuate within a range between similar construction units such as floodwall concrete, earthwork, and piling. Variances are a result of differing haul distances (trucked or barged), small or large business markups, subcontracted items, designs and estimates by others.

Section 12. Relocation Cost:

- a) Relocation costs are defined as the relocation of public roads, bridges, railroads, and utilities required for project purposes. In cases where potential significant impacts were known, costs were included within the cost estimate.

Section 13. Mobilization:

- a) Contractor mobilization and demobilization are based on the assumption that most of the contractors will be coming from within the Gulf Coast/Southern region. Mob/demob costs are based on historical studies of detailed Government estimate mob/demobs which averaged 4.9 to 5% of the construction costs. With undefined acquisition strategies and assumed individual project limits for the large number of potential contracts in this program, the estimate utilizes a more comprehensive approx. 5% value applied at each contract rather than risking minimizing mob/demob costs by detailing costs based on an assumed number of contracts. The 5% value also matches well with the 5% value previously prescribed by Walla Walla District, which has studied historical rates.

Section 14. Field Office Overhead:

- a) The estimate used a field office overhead rate of 12% for the prime contractors at budget level development. Based on historical studies and experience, Walla Walla District has recommended typical rates ranging from 9% to 11% for large civil works projects; however, the 9-11% rate does not consider possible incentives such as camps, allowances, travel trailers, meals, etc. which have been used previously to facilitate projects. With undefined acquisition strategies and assumed individual project limits for the large number of potential contracts in this program, the estimate utilizes a more comprehensive percentage based approach applied at each contract rather than risking minimizing overhead costs by detailing costs based on an assumed number of contracts. The applied rates were previously discussed among numerous USACE District cost engineers including Walla Walla, Vicksburg, Norfolk, Huntington, St. Paul and New Orleans.

Section 15. Overhead assumptions may include:

- a) Superintendent, office manager, pickups, periodic travel, costs, communications, temporary offices (contractor and government), office furniture, office supplies, computers and software, as-built drawings and minor designs, tool trailers, staging setup, camp and kitchen maintenance and utilities, utility service, toilets, safety equipment, security and fencing, small hand and power tools, project signs, traffic control, surveys, temp fuel tank station, generators, compressors, lighting, and minor miscellaneous.

Section 16. Home Office Overhead:

- a) Estimate percentages range based upon consideration of 8(a), small business and unrestricted prime contractors. The rates are based upon estimating and negotiating experience, and consultation with local construction representatives. Different percents are used when considering the contract acquisition strategy regarding small business 8(a), competitive small business and large business, high to low respectively. The applied rates were previously discussed among numerous USACE District cost engineers including Walla Walla, Vicksburg, Norfolk, Huntington, St. Paul and New Orleans.

Section 17. Taxes:

- a) Local taxes will be applied, using an average between the parishes that contain the work. Reference the LA parish tax rate website: <http://www.laota.com/pta.htm>

Section 18. Bond:

- a) Bond is assumed 1% applied against the prime contractor, assuming large contracts. No differentiation was made between large and small businesses.

Section 19. E&D and S&A:

- a) USACE Costs to manage design (PED) and construction (S&A) are based on New Orleans District Programmatic Cost Estimate guidance:
  - i) Planning, Engineering & Design (PED): The PED cost includes such costs as project management, engineering, planning, designs, investigations, studies, reviews, value engineering and engineering during construction (EDC). Historically New Orleans

District has used an approximate 12.828% rate for E&D/EDC, applied against the estimated construction costs. Other USACE civil works districts such as St. Paul, Memphis and St. Louis have reported values ranging from 10-15%. Additional costs were added for project management, engineering, planning, designs, investigations, studies, reviews, value engineering. Specific PED costs were originally calculated and then that same percentage was carried forward on all future updates.

- ii) Supervision & Administration (S&A): Historically, New Orleans District used a range from 5% to 15% depending on project size and type applied against the estimated construction costs. Other USACE civil works districts such as St. Paul, Memphis and St. Louis report values ranging from 7.5-10%. Consideration includes that a portion of the S&A effort could be performed by contractors. Based on discussions with MVN Construction Division, an S&A cost based on contract durations was developed. Specific S&A costs were originally calculated and then that same percentage (8.044%) was carried forward on all future updates.

Section 20. Contingencies:

- a) Contingencies were developed using the USACE Cost and Schedule Risk Analysis (CSRA) process and the Crystal Ball software that evaluates schedule and cost related risks. See summary in Risk Report.

Section 21. Escalation:

- a) Escalation used in the TPCS is based upon the US Army Corps of Engineers Engineering Manual (EM) 1110-2-1304 Civil Works Construction Cost Index System (CWCCIS) revised 30 Sept 2020.

Section 22. HTRW:

- a) The estimate includes no costs for any potential Hazardous, Toxic, and Radioactive Waste (HTRW) concerns. Phase 1 HTRW investigations are already complete and the result of this investigation is that no further investigation is recommended.

## **Schedule**

The project schedule was developed based on the construction of the individual features of work to include the entire 1% AEP Morganza to the Gulf program which includes construction of earthen levees, floodwalls, floodgates, and other structures along a 98-mile alignment south of Houma. The alignment is sub-divided into 14 main reaches (Barrier, A, B, E, F, G, H, I, J, K, L, Larose C-North, and Lockport to Larose). Structures include a multi-purpose lock, 22 navigable floodgates, 23 environmental water control structures, 9 road / RR gates, and fronting protection for 4 existing pumping stations. The structures located on Federally maintained navigation channels include a 110-ft wide by 800-ft long lock with an adjacent 250-ft wide sector gate on the Houma Navigation Canal and two 125-ft sector gates on the GIWW east and west of Houma.

Fourteen 56-ft barge gates and five 20- to 30-ft stop log gates are located on various waterways that cross the levee system.

## Total Project Cost Summary (TPCS)

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

**COST AGENCY TECHNICAL REVIEW**

**CERTIFICATION STATEMENT**

For Project No. 323234

MVN – Morganza to the Gulf (MTG)

The Morganza to the Gulf Study, as presented by New Orleans 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 October 29, 2021, the Cost MCX certifies the estimated total project cost:

FY 22 Project First Cost: \$6,461,760,000  
Fully Funded Amount: \$10,148,239,000

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.



A handwritten signature in black ink, appearing to read 'M. Jacobs'.

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

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

PROJECT: **Morganza to the Gulf**  
PROJECT NO: 323234  
LOCATION: Morganza to the Gulf

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Petitbon  
PREPARED: 4/12/2021

This Estimate reflects the scope and schedule in report; Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| Civil Works Work Breakdown Structure |                                                  | ESTIMATED COST |               |             |                | PROJECT FIRST COST<br>(Constant Dollar Basis)                          |               |               |                |                    | TOTAL PROJECT COST<br>(FULLY FUNDED) |                 |               |               |               |
|--------------------------------------|--------------------------------------------------|----------------|---------------|-------------|----------------|------------------------------------------------------------------------|---------------|---------------|----------------|--------------------|--------------------------------------|-----------------|---------------|---------------|---------------|
| WBS<br>NUMBER                        | Civil Works<br>Feature & Sub-Feature Description | COST<br>(\$K)  | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | Program Year (Budget EC): 2022<br>Effective Price Level Date: 1 OCT 21 |               |               |                | Spent Thr<br>(\$K) | TOTAL<br>FIRST COST<br>(\$K)         | INFLATED<br>(%) | COST<br>(\$K) | CNTG<br>(\$K) | FULL<br>(\$K) |
|                                      |                                                  |                |               |             |                | ESC<br>(%)                                                             | COST<br>(\$K) | CNTG<br>(\$K) | TOTAL<br>(\$K) |                    |                                      |                 |               |               |               |
| A                                    | B                                                | C              | D             | E           | F              | G                                                                      | H             | I             | J              | K                  | L                                    | M               | N             | O             |               |
| 02                                   | RELOCATIONS                                      | \$224,031      | \$53,768      | 24.0%       | \$277,799      | 7.1%                                                                   | \$239,896     | \$57,575      | \$297,471      | \$0                | \$297,471                            | 18.1%           | \$283,344     | \$68,003      | \$351,347     |
| 05                                   | LOCKS                                            | \$314,141      | \$75,394      | 24.0%       | \$389,534      | 8.9%                                                                   | \$342,034     | \$82,088      | \$424,122      | \$0                | \$424,122                            | 0.8%            | \$344,644     | \$82,715      | \$427,359     |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$344,355      | \$82,645      | 24.0%       | \$427,000      | 8.6%                                                                   | \$374,103     | \$89,785      | \$463,888      | \$0                | \$463,888                            | 44.5%           | \$540,601     | \$129,744     | \$670,345     |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$241,701      | \$58,008      | 24.0%       | \$299,709      | 8.6%                                                                   | \$262,581     | \$63,019      | \$325,600      | \$0                | \$325,600                            | 35.7%           | \$356,225     | \$85,494      | \$441,720     |
| 11                                   | LEVEES & FLOODWALLS                              | \$980,510      | \$235,322     | 24.0%       | \$1,215,832    | 7.4%                                                                   | \$1,052,691   | \$252,646     | \$1,305,337    | \$0                | \$1,305,337                          | 33.3%           | \$1,403,465   | \$336,832     | \$1,740,296   |
| 11                                   | LEVEES & FLOODWALLS                              | \$431,179      | \$103,483     | 24.0%       | \$534,662      | 7.4%                                                                   | \$462,921     | \$111,101     | \$574,022      | \$0                | \$574,022                            | 106.5%          | \$955,987     | \$229,437     | \$1,185,424   |
| 11                                   | LEVEES & FLOODWALLS                              | \$295,907      | \$71,018      | 24.0%       | \$366,925      | 7.4%                                                                   | \$317,691     | \$76,246      | \$393,937      | \$0                | \$393,937                            | 292.2%          | \$1,245,936   | \$299,025     | \$1,544,960   |
| 11                                   | LEVEES & FLOODWALLS                              | \$53,886       | \$12,933      | 24.0%       | \$66,818       | 7.4%                                                                   | \$57,852      | \$13,885      | \$71,737       | \$0                | \$71,737                             | 37.1%           | \$79,337      | \$19,041      | \$98,378      |
| 11                                   | LEVEES & FLOODWALLS                              | \$172,671      | \$41,441      | 24.0%       | \$214,112      | 7.4%                                                                   | \$185,383     | \$44,492      | \$229,875      | \$0                | \$229,875                            | 69.6%           | \$314,487     | \$75,477      | \$389,964     |
| 15                                   | FLOODWAY CONTROL & DIVERSION STRUCTURES          | \$458,824      | \$110,070     | 24.0%       | \$568,894      | 8.6%                                                                   | \$498,244     | \$119,579     | \$617,822      | \$0                | \$617,822                            | 20.5%           | \$600,576     | \$144,138     | \$744,714     |
| 15                                   | FLOODWAY CONTROL & DIVERSION STRUCTURES          | \$221,702      | \$53,209      | 24.0%       | \$274,911      | 8.6%                                                                   | \$240,855     | \$57,805      | \$298,660      | \$0                | \$298,660                            | 68.1%           | \$404,847     | \$97,163      | \$502,010     |
| CONSTRUCTION ESTIMATE TOTALS:        |                                                  | \$3,738,706    | \$897,290     |             | \$4,635,996    | 7.9%                                                                   | \$4,034,250   | \$968,220     | \$5,002,470    | \$0                | \$5,002,470                          | 61.9%           | \$6,529,450   | \$1,567,068   | \$8,096,518   |
| 01                                   | LANDS AND DAMAGES                                | \$334,426      | \$83,607      | 25.0%       | \$418,033      | 8.4%                                                                   | \$362,497     | \$90,624      | \$453,121      | \$0                | \$453,121                            | 47.7%           | \$535,474     | \$133,869     | \$669,343     |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   | \$479,526      | \$115,086     | 24.0%       | \$594,613      | 4.0%                                                                   | \$498,676     | \$119,682     | \$618,358      | \$0                | \$618,358                            | 36.4%           | \$680,220     | \$163,253     | \$843,472     |
| 31                                   | CONSTRUCTION MANAGEMENT                          | \$300,742      | \$72,178      | 24.0%       | \$372,920      | 4.0%                                                                   | \$312,751     | \$75,060      | \$387,811      | \$0                | \$387,811                            | 39.0%           | \$434,602     | \$104,304     | \$538,906     |
| PROJECT COST TOTALS:                 |                                                  | \$4,853,401    | \$1,168,160   | 24.1%       | \$6,021,561    |                                                                        | \$5,208,174   | \$1,253,587   | \$6,461,760    | \$0                | \$6,461,760                          | 57.1%           | \$8,179,746   | \$1,968,494   | \$10,148,239  |

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CHIEF, COST ENGINEERING, John Petitbon

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PROJECT MANAGER, Lacy Shaw Pfaff

ESTIMATED TOTAL PROJECT COST: \$10,148,239

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Date: 2021.11.02 09:41:14 -05'00'

CHIEF, REAL ESTATE, Judith Gutierrez

CHIEF, PLANNING, Troy Constance

CHIEF, ENGINEERING, Christopher Dunn

CHIEF, OPERATIONS, Mike Park

CHIEF, CONSTRUCTION, Stuart Waits

CHIEF, CONTRACTING, Debbie Logan

CHIEF, PM-PB, Brad Inman

CHIEF, DPM, Mark Wingate

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*  
\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

DISTRICT: MVN District  
CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

| Civil Works Work Breakdown Structure |                                     | ESTIMATED COST                               |               |               |             |                |            | PROJECT FIRST COST<br>(Constant Dollar Basis)            |               |                |                   |                 |               | TOTAL PROJECT COST (FULLY FUNDED) |               |   |   |   |   |
|--------------------------------------|-------------------------------------|----------------------------------------------|---------------|---------------|-------------|----------------|------------|----------------------------------------------------------|---------------|----------------|-------------------|-----------------|---------------|-----------------------------------|---------------|---|---|---|---|
| WBS                                  | Civil Works                         | Estimate Prepared:<br>Effective Price Level: |               |               | RISK BASED  |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |                | Mid-Point<br>Date | INFLATED<br>(%) | COST<br>(\$K) | CNTG<br>(N)                       | FULL<br>(\$K) |   |   |   |   |
|                                      |                                     | COST<br>(\$K)                                | CNTG<br>(\$K) | COST<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)                                            | CNTG<br>(\$K) | TOTAL<br>(\$K) |                   |                 |               |                                   |               | P | L | M | O |
|                                      |                                     | \$35,427                                     | \$8,503       | 24.0%         | 24.0%       | \$43,930       | 7.1%       | \$37,936                                                 | \$9,105       | \$47,041       | 2029Q2            | 24.9%           | \$47,376      | \$11,370                          | \$58,746      |   |   |   |   |
|                                      | LOCKS                               | \$0                                          | \$0           | 24.0%         | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | \$0            | 0                 | 0.0%            | \$0           | \$0                               | \$0           |   |   |   |   |
|                                      | FISH & WILDLIFE FACILITIES          | \$68,282                                     | \$16,388      | 24.0%         | 24.0%       | \$84,670       | 8.6%       | \$74,181                                                 | \$17,803      | \$91,985       | 2034Q1            | 44.3%           | \$107,078     | \$25,699                          | \$132,777     |   |   |   |   |
|                                      | LEVEES & FLOODWALLS                 | \$71,340                                     | \$17,122      | 24.0%         | 24.0%       | \$88,462       | 7.4%       | \$76,592                                                 | \$18,382      | \$94,974       | 2033Q1            | 40.0%           | \$107,234     | \$25,736                          | \$132,970     |   |   |   |   |
|                                      | LEVEES & FLOODWALLS                 | \$29,198                                     | \$7,008       | 24.0%         | 24.0%       | \$36,206       | 7.4%       | \$31,348                                                 | \$7,523       | \$38,871       | 2047Q1            | 114.7%          | \$67,293      | \$16,150                          | \$83,444      |   |   |   |   |
|                                      | LEVEES & FLOODWALLS                 | \$32,747                                     | \$7,859       | 24.0%         | 24.0%       | \$40,606       | 7.4%       | \$35,158                                                 | \$8,438       | \$43,595       | 2068Q1            | 307.6%          | \$143,292     | \$34,390                          | \$177,681     |   |   |   |   |
|                                      | LEVEES & FLOODWALLS                 | \$17,591                                     | \$4,222       | 24.0%         | 24.0%       | \$21,813       | 7.4%       | \$18,886                                                 | \$4,533       | \$23,419       | 2033Q2            | 41.1%           | \$26,649      | \$6,396                           | \$33,045      |   |   |   |   |
|                                      | LEVEES & FLOODWALLS                 | \$10,118                                     | \$2,428       | 24.0%         | 24.0%       | \$12,546       | 7.4%       | \$10,862                                                 | \$2,607       | \$13,469       | 2032Q1            | 35.8%           | \$14,751      | \$3,540                           | \$18,291      |   |   |   |   |
|                                      |                                     | \$81,163                                     | \$19,479      | 24.0%         | 24.0%       | \$100,642      | 8.6%       | \$88,174                                                 | \$21,162      | \$109,336      | 2033Q2            | 41.1%           | \$124,418     | \$29,860                          | \$154,278     |   |   |   |   |
|                                      | RUCTURE                             | \$0                                          | \$0           | 24.0%         | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | \$0            | 0                 | 0.0%            | \$0           | \$0                               | \$0           |   |   |   |   |
|                                      | RUCTURE                             | \$345,866                                    | \$83,008      | 24.0%         | 24.0%       | \$428,874      |            | \$284,962                                                | \$68,391      | \$353,353      |                   |                 | \$638,090     | \$153,142                         | \$791,232     |   |   |   |   |
|                                      |                                     | \$5,407                                      | \$1,352       | 25.0%         | 25.0%       | \$6,759        | 8.4%       | \$5,861                                                  | \$1,465       | \$7,326        | 2028Q2            | 21.1%           | \$7,099       | \$1,775                           | \$8,874       |   |   |   |   |
|                                      | LANDS AND DAMAGES                   | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
|                                      | PLANNING, ENGINEERING & DESIGN      | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
| 1.0%                                 | Project Management                  | \$10,376                                     | \$2,490       | 24.0%         | 24.0%       | \$12,866       | 4.0%       | \$10,790                                                 | \$2,590       | \$13,380       | 2032Q2            | 46.0%           | \$15,752      | \$3,780                           | \$19,532      |   |   |   |   |
| 3.0%                                 | Planning & Environmental Compliance | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
| 1.0%                                 | Engineering & Design                | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
| 1.0%                                 | Reviews, A.T.R.s, IEPRs, VE         | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
| 1.0%                                 | Contracting & Reprographics         | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2032Q2            | 46.0%           | \$5,251       | \$1,260                           | \$6,511       |   |   |   |   |
| 1.5%                                 | Engineering During Construction     | \$5,188                                      | \$1,245       | 24.0%         | 24.0%       | \$6,433        | 4.0%       | \$5,395                                                  | \$1,295       | \$6,690        | 2032Q2            | 46.0%           | \$7,876       | \$1,890                           | \$9,766       |   |   |   |   |
| 1.826%                               | Planning During Construction        | \$6,316                                      | \$1,516       | 24.0%         | 24.0%       | \$7,831        | 4.0%       | \$6,568                                                  | \$1,576       | \$8,144        | 2032Q2            | 46.0%           | \$9,588       | \$2,301                           | \$11,889      |   |   |   |   |
| 1.0%                                 | Adaptive Management & Monitoring    | \$3,459                                      | \$830         | 24.0%         | 24.0%       | \$4,289        | 4.0%       | \$3,597                                                  | \$863         | \$4,460        | 2038Q2            | 84.2%           | \$6,624       | \$1,590                           | \$8,214       |   |   |   |   |
| 0.5%                                 | Project Operations                  | \$1,729                                      | \$415         | 24.0%         | 24.0%       | \$2,144        | 4.0%       | \$1,798                                                  | \$432         | \$2,230        | 2032Q2            | 46.0%           | \$2,625       | \$630                             | \$3,255       |   |   |   |   |
| 5.0%                                 | Construction Management             | \$17,293                                     | \$4,150       | 24.0%         | 24.0%       | \$21,444       | 4.0%       | \$17,984                                                 | \$4,316       | \$22,300       | 2032Q2            | 46.0%           | \$26,253      | \$6,301                           | \$32,553      |   |   |   |   |
| 2.0%                                 | Project Operation:                  | \$6,917                                      | \$1,660       | 24.0%         | 24.0%       | \$8,577        | 4.0%       | \$7,194                                                  | \$1,726       | \$8,920        | 2032Q2            | 46.0%           | \$10,501      | \$2,520                           | \$13,021      |   |   |   |   |
| 1.0%                                 | Project Management                  | \$3,611                                      | \$867         | 24.0%         | 24.0%       | \$4,477        | 4.0%       | \$3,755                                                  | \$901         | \$4,656        | 2032Q2            | 46.0%           | \$5,482       | \$1,316                           | \$6,797       |   |   |   |   |
|                                      | <b>CONTRACT COST TOTALS:</b>        | \$423,455                                    | \$101,683     |               |             | \$525,139      |            | \$365,888                                                | \$87,872      | \$453,760      |                   |                 | \$756,142     | \$181,545                         | \$937,688     |   |   |   |   |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS  | Civil Works                         | ESTIMATED COST                               |               |             |                |            |                       |               |             |                |            | PROJECT FIRST COST<br>(Constant Dollar Basis)            |               |             |                |            | TOTAL PROJECT COST (FULLY FUNDED) |               |             |                |            |               |               |             |                |
|------|-------------------------------------|----------------------------------------------|---------------|-------------|----------------|------------|-----------------------|---------------|-------------|----------------|------------|----------------------------------------------------------|---------------|-------------|----------------|------------|-----------------------------------|---------------|-------------|----------------|------------|---------------|---------------|-------------|----------------|
|      |                                     | Estimate Prepared:<br>Effective Price Level: |               |             |                |            | 12-Apr-21<br>1-Oct-20 |               |             |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |             |                |            | 2022<br>1 OCT 21                  |               |             |                |            |               |               |             |                |
|      |                                     | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)                                            | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)                     | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) |
|      |                                     | \$9,527                                      | \$2,287       | 24.0%       | \$11,814       | 7.1%       | \$10,202              | \$2,448       | \$12,651    | 7.1%           | \$10,202   | \$2,448                                                  | \$12,651      | 7.1%        | \$10,202       | \$2,448    | \$12,651                          | 10.5%         | \$11,276    | \$2,706        | \$13,982   | 10.5%         | \$11,276      | \$2,706     | \$13,982       |
|      | LOCKS                               | \$0                                          | \$0           | 24.0%       | \$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         | \$0            |
|      | FISH & WILDLIFE FACILITIES          | \$11,948                                     | \$2,867       | 24.0%       | \$14,815       | 8.6%       | \$12,980              | \$3,115       | \$16,095    | 8.6%           | \$12,980   | \$3,115                                                  | \$16,095      | 8.6%        | \$12,980       | \$3,115    | \$16,095                          | 35.8%         | \$17,626    | \$4,230        | \$21,856   | 35.8%         | \$17,626      | \$4,230     | \$21,856       |
|      | LEVEES & FLOODWALLS                 | \$79,713                                     | \$19,131      | 24.0%       | \$98,844       | 7.4%       | \$85,581              | \$20,540      | \$106,121   | 7.4%           | \$85,581   | \$20,540                                                 | \$106,121     | 7.4%        | \$85,581       | \$20,540   | \$106,121                         | 40.0%         | \$119,820   | \$28,757       | \$148,576  | 40.0%         | \$119,820     | \$28,757    | \$148,576      |
|      | LEVEES & FLOODWALLS                 | \$29,442                                     | \$7,066       | 24.0%       | \$36,508       | 7.4%       | \$31,610              | \$7,586       | \$39,196    | 7.4%           | \$31,610   | \$7,586                                                  | \$39,196      | 7.4%        | \$31,610       | \$7,586    | \$39,196                          | 114.7%        | \$67,856    | \$16,286       | \$84,142   | 114.7%        | \$67,856      | \$16,286    | \$84,142       |
|      | LEVEES & FLOODWALLS                 | \$24,274                                     | \$5,826       | 24.0%       | \$30,099       | 7.4%       | \$26,061              | \$6,255       | \$32,315    | 7.4%           | \$26,061   | \$6,255                                                  | \$32,315      | 7.4%        | \$26,061       | \$6,255    | \$32,315                          | 307.6%        | \$106,216   | \$25,492       | \$131,707  | 307.6%        | \$106,216     | \$25,492    | \$131,707      |
|      | LEVEES & FLOODWALLS                 | \$0                                          | \$0           | 24.0%       | \$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         | \$0            |
|      | LEVEES & FLOODWALLS                 | \$0                                          | \$0           | 24.0%       | \$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         | \$0            |
|      | LEVEES & FLOODWALLS                 | \$103,105                                    | \$24,745      | 24.0%       | \$127,851      | 8.6%       | \$112,013             | \$26,883      | \$138,896   | 8.6%           | \$112,013  | \$26,883                                                 | \$138,896     | 8.6%        | \$112,013      | \$26,883   | \$138,896                         | 27.8%         | \$143,100   | \$34,344       | \$177,444  | 27.8%         | \$143,100     | \$34,344    | \$177,444      |
|      | RUCTURE                             | \$0                                          | \$0           | 24.0%       | \$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         | \$0            |
|      | RUCTURE                             | \$0                                          | \$0           | 24.0%       | \$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         | \$0            |
|      | CONSTRUCTION ESTIMATE TOTALS:       | \$258,010                                    | \$61,922      | 24.0%       | \$319,932      |            | \$278,446             | \$66,827      | \$345,273   |                | \$278,446  | \$66,827                                                 | \$345,273     |             | \$278,446      | \$66,827   | \$345,273                         |               | \$465,893   | \$111,814      | \$577,708  |               | \$465,893     | \$111,814   | \$577,708      |
|      | LANDS AND DAMAGES                   | \$1,009                                      | \$252         | 25.0%       | \$1,261        | 8.4%       | \$1,093               | \$273         | \$1,367     | 8.4%           | \$1,093    | \$273                                                    | \$1,367       | 8.4%        | \$1,093        | \$273      | \$1,367                           | 7.2%          | \$1,172     | \$293          | \$1,465    | 7.2%          | \$1,172       | \$293       | \$1,465        |
|      | PLANNING, ENGINEERING & DESIGN      | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 29.2%         | \$3,467     | \$832          | \$4,299    | 29.2%         | \$3,467       | \$832       | \$4,299        |
| 1.0% | Project Management                  | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 29.2%         | \$3,467     | \$832          | \$4,299    | 29.2%         | \$3,467       | \$832       | \$4,299        |
| 3.0% | Planning & Environmental Compliance | \$7,740                                      | \$1,858       | 24.0%       | \$9,598        | 4.0%       | \$8,049               | \$1,932       | \$9,981     | 4.0%           | \$8,049    | \$1,932                                                  | \$9,981       | 4.0%        | \$8,049        | \$1,932    | \$9,981                           | 29.2%         | \$10,400    | \$2,496        | \$12,897   | 29.2%         | \$10,400      | \$2,496     | \$12,897       |
| 1.0% | Engineering & Design                | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 29.2%         | \$3,467     | \$832          | \$4,299    | 29.2%         | \$3,467       | \$832       | \$4,299        |
| 3.0% | Reviews, ATRs, IEPRs, VE            | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 29.2%         | \$3,467     | \$832          | \$4,299    | 29.2%         | \$3,467       | \$832       | \$4,299        |
| 1.0% | Contracting & Reprographics         | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 29.2%         | \$3,467     | \$832          | \$4,299    | 29.2%         | \$3,467       | \$832       | \$4,299        |
| 1.5% | Engineering During Construction     | \$3,870                                      | \$929         | 24.0%       | \$4,799        | 4.0%       | \$4,025               | \$966         | \$4,991     | 4.0%           | \$4,025    | \$966                                                    | \$4,991       | 4.0%        | \$4,025        | \$966      | \$4,991                           | 34.1%         | \$5,398     | \$1,295        | \$6,693    | 34.1%         | \$5,398       | \$1,295     | \$6,693        |
| 1.8% | Planning During Construction        | \$4,711                                      | \$1,131       | 24.0%       | \$5,842        | 4.0%       | \$4,899               | \$1,176       | \$6,075     | 4.0%           | \$4,899    | \$1,176                                                  | \$6,075       | 4.0%        | \$4,899        | \$1,176    | \$6,075                           | 34.1%         | \$6,571     | \$1,577        | \$8,148    | 34.1%         | \$6,571       | \$1,577     | \$8,148        |
| 1.0% | Adaptive Management & Monitoring    | \$2,580                                      | \$619         | 24.0%       | \$3,199        | 4.0%       | \$2,683               | \$644         | \$3,327     | 4.0%           | \$2,683    | \$644                                                    | \$3,327       | 4.0%        | \$2,683        | \$644      | \$3,327                           | 56.1%         | \$4,189     | \$1,005        | \$5,194    | 56.1%         | \$4,189       | \$1,005     | \$5,194        |
| 0.5% | Project Operations                  | \$1,290                                      | \$310         | 24.0%       | \$1,600        | 4.0%       | \$1,342               | \$322         | \$1,664     | 4.0%           | \$1,342    | \$322                                                    | \$1,664       | 4.0%        | \$1,342        | \$322      | \$1,664                           | 29.2%         | \$1,733     | \$416          | \$2,149    | 29.2%         | \$1,733       | \$416       | \$2,149        |
| 5.0% | Construction Management             | \$12,900                                     | \$3,096       | 24.0%       | \$15,997       | 4.0%       | \$13,416              | \$3,220       | \$16,635    | 4.0%           | \$13,416   | \$3,220                                                  | \$16,635      | 4.0%        | \$13,416       | \$3,220    | \$16,635                          | 34.1%         | \$17,983    | \$4,318        | \$22,311   | 34.1%         | \$17,983      | \$4,318     | \$22,311       |
| 2.0% | Project Operation:                  | \$5,160                                      | \$1,238       | 24.0%       | \$6,399        | 4.0%       | \$5,366               | \$1,288       | \$6,654     | 4.0%           | \$5,366    | \$1,288                                                  | \$6,654       | 4.0%        | \$5,366        | \$1,288    | \$6,654                           | 34.1%         | \$7,197     | \$1,727        | \$8,924    | 34.1%         | \$7,197       | \$1,727     | \$8,924        |
| 1.0% | Project Management                  | \$2,694                                      | \$646         | 24.0%       | \$3,340        | 4.0%       | \$2,801               | \$672         | \$3,473     | 4.0%           | \$2,801    | \$672                                                    | \$3,473       | 4.0%        | \$2,801        | \$672      | \$3,473                           | 34.1%         | \$3,757     | \$902          | \$4,659    | 34.1%         | \$3,757       | \$902       | \$4,659        |
|      | CONTRACT COST TOTALS:               | \$312,865                                    | \$75,098      |             | \$387,963      |            | \$335,536             | \$80,540      | \$416,076   |                | \$335,536  | \$80,540                                                 | \$416,076     |             | \$335,536      | \$80,540   | \$416,076                         |               | \$541,638   | \$130,005      | \$671,642  |               | \$541,638     | \$130,005   | \$671,642      |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS  | Civil Works                          | ESTIMATED COST                               |               |                       |           |                |             |            |               |               |                | PROJECT FIRST COST<br>(Constant Dollar Basis)            |                  |                |                 |               | TOTAL PROJECT COST (FULLY FUNDED) |               |   |   |   |
|------|--------------------------------------|----------------------------------------------|---------------|-----------------------|-----------|----------------|-------------|------------|---------------|---------------|----------------|----------------------------------------------------------|------------------|----------------|-----------------|---------------|-----------------------------------|---------------|---|---|---|
|      |                                      | Estimate Prepared:<br>Effective Price Level: |               | 12-Apr-21<br>1-Oct-20 |           | TOTAL<br>(\$K) | CNTG<br>(%) | ESC<br>(%) | COST<br>(\$K) | CNTG<br>(\$K) | TOTAL<br>(\$K) | Program Year (Budget EC):<br>Effective Price Level Date: | 2022<br>1 OCT 21 | TOTAL<br>(\$K) | INFLATED<br>(%) | COST<br>(\$K) | CNTG<br>(\$K)                     | FULL<br>(\$K) |   |   |   |
|      |                                      | COST<br>(\$K)                                | CNTG<br>(\$K) | D                     | E         |                |             |            |               |               |                |                                                          |                  |                |                 |               |                                   |               | F | G | H |
|      |                                      | \$2,131                                      | \$511         | 24.0%                 | \$2,642   | 24.0%          | 7.1%        | \$2,282    | \$548         | \$2,829       | 2028Q1         |                                                          | \$2,742          | \$658          | \$3,400         |               |                                   |               |   |   |   |
|      | RELOCATIONS                          | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | LOCKS                                | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | FISH & WILDLIFE FACILITIES           | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | FISH & WILDLIFE FACILITIES           | \$45,682                                     | \$10,964      | 24.0%                 | \$56,645  | 24.0%          | 7.4%        | \$49,045   | \$11,771      | \$60,815      | 2032Q2         |                                                          | \$67,123         | \$16,110       | \$83,233        |               |                                   |               |   |   |   |
|      | LEVEES & FLOODWALLS                  | \$17,633                                     | \$4,232       | 24.0%                 | \$21,865  | 24.0%          | 7.4%        | \$18,931   | \$4,543       | \$23,474      | 2046Q2         |                                                          | \$39,726         | \$9,534        | \$49,260        |               |                                   |               |   |   |   |
|      | LEVEES & FLOODWALLS                  | \$15,279                                     | \$3,667       | 24.0%                 | \$18,946  | 24.0%          | 7.4%        | \$16,403   | \$3,937       | \$20,340      | 2067Q2         |                                                          | \$65,354         | \$15,685       | \$81,039        |               |                                   |               |   |   |   |
|      | LEVEES & FLOODWALLS                  | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | LEVEES & FLOODWALLS                  | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | LEVEES & FLOODWALLS                  | \$48,579                                     | \$11,659      | 24.0%                 | \$60,238  | 24.0%          | 8.6%        | \$52,776   | \$12,666      | \$65,442      | 2030Q1         |                                                          | \$67,423         | \$16,181       | \$83,604        |               |                                   |               |   |   |   |
|      | RUCTURE                              | \$0                                          | \$0           | 24.0%                 | \$0       | 24.0%          | 0.0%        | \$0        | \$0           | \$0           | 0              |                                                          | \$0              | \$0            | \$0             |               |                                   |               |   |   |   |
|      | RUCTURE                              | \$129,303                                    | \$31,033      | 24.0%                 | \$160,336 | 24.0%          | 8.4%        | \$139,436  | \$33,465      | \$172,901     | 2024Q2         |                                                          | \$242,368        | \$58,168       | \$300,536       |               |                                   |               |   |   |   |
|      | <b>CONSTRUCTION ESTIMATE TOTALS:</b> | \$1,203                                      | \$301         | 25.0%                 | \$1,504   | 25.0%          | 8.4%        | \$1,304    | \$326         | \$1,630       |                |                                                          | \$1,398          | \$350          | \$1,748         |               |                                   |               |   |   |   |
|      | LANDS AND DAMAGES                    |                                              |               |                       |           |                |             |            |               |               |                |                                                          |                  |                |                 |               |                                   |               |   |   |   |
|      | PLANNING, ENGINEERING & DESIGN       | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2029Q1         |                                                          | \$1,737          | \$417          | \$2,154         |               |                                   |               |   |   |   |
| 1.0% | Project Management                   | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2029Q1         |                                                          | \$1,737          | \$417          | \$2,154         |               |                                   |               |   |   |   |
| 1.0% | Planning & Environmental Compliance  | \$3,879                                      | \$931         | 24.0%                 | \$4,810   | 24.0%          | 4.0%        | \$4,034    | \$968         | \$5,002       | 2029Q1         |                                                          | \$5,212          | \$1,251        | \$6,463         |               |                                   |               |   |   |   |
| 3.0% | Engineering & Design                 | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2029Q1         |                                                          | \$1,737          | \$417          | \$2,154         |               |                                   |               |   |   |   |
| 1.0% | Reviews, ATRs, IEPRs, VE             | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2029Q1         |                                                          | \$1,737          | \$417          | \$2,154         |               |                                   |               |   |   |   |
| 1.0% | Contracting & Reprographics          | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2029Q1         |                                                          | \$1,737          | \$417          | \$2,154         |               |                                   |               |   |   |   |
| 1.5% | Engineering During Construction      | \$1,940                                      | \$465         | 24.0%                 | \$2,405   | 24.0%          | 4.0%        | \$2,017    | \$484         | \$2,501       | 2030Q1         |                                                          | \$2,705          | \$649          | \$3,354         |               |                                   |               |   |   |   |
| 1.8% | Planning During Construction         | \$2,361                                      | \$567         | 24.0%                 | \$2,928   | 24.0%          | 4.0%        | \$2,455    | \$589         | \$3,045       | 2030Q1         |                                                          | \$3,293          | \$790          | \$4,083         |               |                                   |               |   |   |   |
| 1.0% | Adaptive Management & Monitoring     | \$1,293                                      | \$310         | 24.0%                 | \$1,603   | 24.0%          | 4.0%        | \$1,345    | \$323         | \$1,667       | 2035Q1         |                                                          | \$2,181          | \$523          | \$2,704         |               |                                   |               |   |   |   |
| 0.5% | Project Operations                   | \$647                                        | \$155         | 24.0%                 | \$802     | 24.0%          | 4.0%        | \$672      | \$161         | \$834         | 2029Q1         |                                                          | \$869            | \$208          | \$1,077         |               |                                   |               |   |   |   |
|      | Construction Management              | \$6,465                                      | \$1,552       | 24.0%                 | \$8,017   | 24.0%          | 4.0%        | \$6,723    | \$1,614       | \$8,337       | 2030Q1         |                                                          | \$9,017          | \$2,164        | \$11,181        |               |                                   |               |   |   |   |
| 2.0% | Project Operation:                   | \$2,586                                      | \$621         | 24.0%                 | \$3,207   | 24.0%          | 4.0%        | \$2,689    | \$645         | \$3,335       | 2030Q1         |                                                          | \$3,607          | \$866          | \$4,473         |               |                                   |               |   |   |   |
| 1.0% | Project Management                   | \$1,350                                      | \$324         | 24.0%                 | \$1,674   | 24.0%          | 4.0%        | \$1,404    | \$337         | \$1,741       | 2030Q1         |                                                          | \$1,883          | \$452          | \$2,335         |               |                                   |               |   |   |   |
|      | <b>CONTRACT COST TOTALS:</b>         | \$157,492                                    | \$37,810      |                       | \$195,302 |                |             | \$168,803  | \$40,526      | \$209,329     |                |                                                          | \$281,220        | \$67,507       | \$348,727       |               |                                   |               |   |   |   |



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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Peitibon  
PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS | Civil Works                              | ESTIMATED COST                               |            |          |             |            |                                                          |            |          |             |            | PROJECT FIRST COST<br>(Constant Dollar Basis) |            |          |             |            | TOTAL PROJECT COST (FULLY FUNDED) |            |            |             |  |
|-----|------------------------------------------|----------------------------------------------|------------|----------|-------------|------------|----------------------------------------------------------|------------|----------|-------------|------------|-----------------------------------------------|------------|----------|-------------|------------|-----------------------------------|------------|------------|-------------|--|
|     |                                          | Estimate Prepared:<br>Effective Price Level: |            |          |             |            | Program Year (Budget EC):<br>Effective Price Level Date: |            |          |             |            | 2022<br>1 OCT 21                              |            |          |             |            | FULLY FUNDED PROJECT ESTIMATE     |            |            |             |  |
|     |                                          | COST (\$K)                                   | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESCAPE (%) | COST (\$K)                                               | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESCAPE (%) | COST (\$K)                                    | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESCAPE (%) | INFLATED (%)                      | COST (\$K) | CNTG (\$K) | TOTAL (\$K) |  |
|     |                                          | \$5,704                                      | \$1,369    | 24.0%    | \$7,073     | 7.1%       | \$6,108                                                  | \$1,466    | \$7,574  | 7.1%        | \$6,108    | \$1,466                                       | \$7,574    | 7.1%     | 21.1%       | \$7,398    | \$1,776                           | \$9,174    |            |             |  |
|     | RELOCATIONS                              | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | LOCKS                                    | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | FISH & WILDLIFE FACILITIES               | \$12,226                                     | \$2,934    | 24.0%    | \$15,161    | 8.6%       | \$13,283                                                 | \$3,188    | \$16,470 | 8.6%        | \$13,283   | \$3,188                                       | \$16,470   | 8.6%     | 27.8%       | \$16,969   | \$4,073                           | \$21,041   |            |             |  |
|     | FISH & WILDLIFE FACILITIES               | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | LEVEES & FLOODWALLS                      | \$23,320                                     | \$5,597    | 24.0%    | \$28,917    | 8.6%       | \$25,335                                                 | \$6,080    | \$31,416 | 8.6%        | \$25,335   | \$6,080                                       | \$31,416   | 8.6%     | 31.7%       | \$33,370   | \$8,009                           | \$41,379   |            |             |  |
|     | RUCTIONS                                 | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | RUCTIONS                                 | \$0                                          | \$0        | 24.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | <b>CONSTRUCTION ESTIMATE TOTALS:</b>     | \$41,251                                     | \$9,900    | 24.0%    | \$51,151    |            | \$44,726                                                 | \$10,734   | \$55,460 |             | \$44,726   | \$10,734                                      | \$55,460   |          |             | \$57,737   | \$13,857                          | \$71,594   |            |             |  |
|     | LANDS AND DAMAGES                        | \$0                                          | \$0        | 25.0%    | \$0         | 0.0%       | \$0                                                      | \$0        | \$0      | 0.0%        | \$0        | \$0                                           | \$0        | 0.0%     | 0.0%        | \$0        | \$0                               | \$0        |            |             |  |
|     | <b>30</b>                                |                                              |            |          |             |            |                                                          |            |          |             |            |                                               |            |          |             |            |                                   |            |            |             |  |
|     | PLANNING, ENGINEERING & DESIGN           | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 25.6%       | \$539      | \$129                             | \$668      |            |             |  |
|     | 1.0% Project Management                  | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 25.6%       | \$539      | \$129                             | \$668      |            |             |  |
|     | 3.0% Planning & Environmental Compliance | \$1,238                                      | \$297      | 24.0%    | \$1,535     | 4.0%       | \$1,287                                                  | \$309      | \$1,596  | 4.0%        | \$1,287    | \$309                                         | \$1,596    | 4.0%     | 25.6%       | \$1,617    | \$388                             | \$2,005    |            |             |  |
|     | 1.0% Engineering & Design                | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 25.6%       | \$539      | \$129                             | \$668      |            |             |  |
|     | 1.0% Reviews, A.TRs, IEPRs, VE           | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 25.6%       | \$539      | \$129                             | \$668      |            |             |  |
|     | 1.0% Contracting & Reprographics         | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 25.6%       | \$539      | \$129                             | \$668      |            |             |  |
|     | 1.5% Engineering During Construction     | \$619                                        | \$149      | 24.0%    | \$767       | 4.0%       | \$643                                                    | \$154      | \$798    | 4.0%        | \$643      | \$154                                         | \$798      | 4.0%     | 29.2%       | \$831      | \$200                             | \$1,031    |            |             |  |
|     | 1.8% Planning During Construction        | \$753                                        | \$181      | 24.0%    | \$934       | 4.0%       | \$783                                                    | \$188      | \$971    | 4.0%        | \$783      | \$188                                         | \$971      | 4.0%     | 29.2%       | \$1,012    | \$243                             | \$1,255    |            |             |  |
|     | 1.0% Adaptive Management & Monitoring    | \$413                                        | \$99       | 24.0%    | \$512       | 4.0%       | \$429                                                    | \$103      | \$532    | 4.0%        | \$429      | \$103                                         | \$532      | 4.0%     | 51.7%       | \$651      | \$156                             | \$807      |            |             |  |
|     | 0.5% Project Operations                  | \$206                                        | \$50       | 24.0%    | \$256       | 4.0%       | \$214                                                    | \$51       | \$266    | 4.0%        | \$214      | \$51                                          | \$266      | 4.0%     | 25.6%       | \$269      | \$65                              | \$334      |            |             |  |
|     | 5.0% Construction Management             | \$2,063                                      | \$495      | 24.0%    | \$2,558     | 4.0%       | \$2,145                                                  | \$515      | \$2,660  | 4.0%        | \$2,145    | \$515                                         | \$2,660    | 4.0%     | 29.2%       | \$2,771    | \$665                             | \$3,437    |            |             |  |
|     | 2.0% Project Operator:                   | \$825                                        | \$198      | 24.0%    | \$1,023     | 4.0%       | \$858                                                    | \$206      | \$1,064  | 4.0%        | \$858      | \$206                                         | \$1,064    | 4.0%     | 29.2%       | \$1,109    | \$266                             | \$1,375    |            |             |  |
|     | 1.0% Project Management                  | \$431                                        | \$103      | 24.0%    | \$534       | 4.0%       | \$448                                                    | \$107      | \$555    | 4.0%        | \$448      | \$107                                         | \$555      | 4.0%     | 29.2%       | \$579      | \$139                             | \$718      |            |             |  |
|     | <b>CONTRACT COST TOTALS:</b>             | \$49,860                                     | \$11,966   |          | \$61,826    |            | \$53,678                                                 | \$12,883   | \$66,561 |             | \$53,678   | \$12,883                                      | \$66,561   |          |             | \$69,271   | \$16,625                          | \$85,896   |            |             |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Peitibon  
PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS | Civil Works                              | ESTIMATED COST                               |               |             |                |            |                                                          |               |             |                |            | PROJECT FIRST COST<br>(Constant Dollar Basis) |               |             |                |            |                   |           |           |           |   | TOTAL PROJECT COST (FULLY FUNDED) |           |           |           |     |                               |  |  |  |  |
|-----|------------------------------------------|----------------------------------------------|---------------|-------------|----------------|------------|----------------------------------------------------------|---------------|-------------|----------------|------------|-----------------------------------------------|---------------|-------------|----------------|------------|-------------------|-----------|-----------|-----------|---|-----------------------------------|-----------|-----------|-----------|-----|-------------------------------|--|--|--|--|
|     |                                          | Estimate Prepared:<br>Effective Price Level: |               |             |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |             |                |            | 2022<br>1 OCT 21                              |               |             |                |            | Mid-Point<br>Date |           |           |           |   | INFLATED<br>(%)                   |           |           |           |     | FULLY FUNDED PROJECT ESTIMATE |  |  |  |  |
|     |                                          | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)                                            | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | COST<br>(\$K)                                 | CNTG<br>(\$K) | CNTG<br>(%) | TOTAL<br>(\$K) | ESC<br>(%) | P                 | L         | M         | N         | O | P                                 | L         | M         | N         | O   |                               |  |  |  |  |
|     |                                          | \$0                                          | \$0           | 24.0%       | \$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       | \$0       | \$0 |                               |  |  |  |  |
|     | RELOCATIONS                              | \$314,141                                    | \$75,394      | 24.0%       | \$389,534      | 8.9%       | \$342,034                                                | \$82,088      | \$424,122   | 8.9%           | \$342,034  | \$82,088                                      | \$424,122     | \$424,122   | 8.9%           | 2022Q2     | 0.8%              | \$344,644 | \$82,715  | \$427,359 |   |                                   | \$344,644 | \$82,715  | \$427,359 | \$0 |                               |  |  |  |  |
|     | LOCKS                                    | \$0                                          | \$0           | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | 0.0%        | \$0            | \$0        | \$0                                           | \$0           | \$0         | 0.0%           | 0          | 0.0%              | \$0       | \$0       | \$0       |   |                                   | \$0       | \$0       | \$0       | \$0 |                               |  |  |  |  |
|     | FISH & WILDLIFE FACILITIES               | \$0                                          | \$0           | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | 0.0%        | \$0            | \$0        | \$0                                           | \$0           | \$0         | 0.0%           | 0          | 0.0%              | \$0       | \$0       | \$0       |   |                                   | \$0       | \$0       | \$0       | \$0 |                               |  |  |  |  |
|     | FISH & WILDLIFE FACILITIES               | \$19,505                                     | \$4,681       | 24.0%       | \$24,186       | 7.4%       | \$20,941                                                 | \$5,026       | \$25,967    | 7.4%           | \$20,941   | \$5,026                                       | \$25,967      | \$25,967    | 7.4%           | 2033Q1     | 40.0%             | \$29,319  | \$7,037   | \$36,355  |   |                                   | \$29,319  | \$7,037   | \$36,355  | \$0 |                               |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$17,876                                     | \$4,290       | 24.0%       | \$22,166       | 7.4%       | \$19,192                                                 | \$4,606       | \$23,798    | 7.4%           | \$19,192   | \$4,606                                       | \$23,798      | \$23,798    | 7.4%           | 2047Q2     | 116.4%            | \$41,522  | \$9,965   | \$51,487  |   |                                   | \$41,522  | \$9,965   | \$51,487  | \$0 |                               |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$12,470                                     | \$2,993       | 24.0%       | \$15,463       | 7.4%       | \$13,388                                                 | \$3,213       | \$16,601    | 7.4%           | \$13,388   | \$3,213                                       | \$16,601      | \$16,601    | 7.4%           | 2068Q1     | 307.6%            | \$54,567  | \$13,096  | \$67,663  |   |                                   | \$54,567  | \$13,096  | \$67,663  | \$0 |                               |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0           | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | 0.0%        | \$0            | \$0        | \$0                                           | \$0           | \$0         | 0.0%           | 0          | 0.0%              | \$0       | \$0       | \$0       |   |                                   | \$0       | \$0       | \$0       | \$0 |                               |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0           | 24.0%       | \$0            | 0.0%       | \$0                                                      | \$0           | 0.0%        | \$0            | \$0        | \$0                                           | \$0           | \$0         | 0.0%           | 0          | 0.0%              | \$0       | \$0       | \$0       |   |                                   | \$0       | \$0       | \$0       | \$0 |                               |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$37,719                                     | \$9,053       | 24.0%       | \$46,772       | 8.6%       | \$40,978                                                 | \$9,835       | \$50,812    | 8.6%           | \$40,978   | \$9,835                                       | \$50,812      | \$50,812    | 8.6%           | 2037Q1     | 58.2%             | \$64,823  | \$15,557  | \$80,380  |   |                                   | \$64,823  | \$15,557  | \$80,380  | \$0 |                               |  |  |  |  |
|     | RUCTURE                                  |                                              |               |             |                |            |                                                          |               |             |                |            |                                               |               |             |                |            |                   |           |           |           |   |                                   |           |           |           |     |                               |  |  |  |  |
|     | RUCTURE                                  |                                              |               |             |                |            |                                                          |               |             |                |            |                                               |               |             |                |            |                   |           |           |           |   |                                   |           |           |           |     |                               |  |  |  |  |
|     | <b>CONSTRUCTION ESTIMATE TOTALS:</b>     | \$401,711                                    | \$96,411      | 24.0%       | \$498,121      |            | \$436,532                                                | \$104,768     | \$541,300   |                | \$436,532  | \$104,768                                     | \$541,300     | \$541,300   |                |            |                   | \$534,874 | \$128,370 | \$663,244 |   |                                   | \$534,874 | \$128,370 | \$663,244 | \$0 |                               |  |  |  |  |
|     | LANDS AND DAMAGES                        | \$1,349                                      | \$337         | 25.0%       | \$1,686        | 8.4%       | \$1,462                                                  | \$366         | \$1,828     | 8.4%           | \$1,462    | \$366                                         | \$1,828       | \$1,828     | 8.4%           | 2040Q2     | 74.7%             | \$2,554   | \$639     | \$3,193   |   |                                   | \$2,554   | \$639     | \$3,193   | \$0 |                               |  |  |  |  |
|     | PLANNING, ENGINEERING & DESIGN           | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2029Q1     | 29.2%             | \$5,398   | \$1,295   | \$6,693   |   |                                   | \$5,398   | \$1,295   | \$6,693   | \$0 |                               |  |  |  |  |
|     | 1.0% Project Management                  | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2029Q1     | 29.2%             | \$5,398   | \$1,295   | \$6,693   |   |                                   | \$5,398   | \$1,295   | \$6,693   | \$0 |                               |  |  |  |  |
|     | 3.0% Planning & Environmental Compliance | \$12,051                                     | \$2,892       | 24.0%       | \$14,944       | 4.0%       | \$12,533                                                 | \$3,008       | \$15,540    | 4.0%           | \$12,533   | \$3,008                                       | \$15,540      | \$15,540    | 4.0%           | 2029Q1     | 29.2%             | \$16,193  | \$3,886   | \$20,079  |   |                                   | \$16,193  | \$3,886   | \$20,079  | \$0 |                               |  |  |  |  |
|     | 1.0% Engineering & Design                | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2029Q1     | 29.2%             | \$5,398   | \$1,295   | \$6,693   |   |                                   | \$5,398   | \$1,295   | \$6,693   | \$0 |                               |  |  |  |  |
|     | 1.0% Reviews, ATRs, IEPRs, VE            | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2029Q1     | 29.2%             | \$5,398   | \$1,295   | \$6,693   |   |                                   | \$5,398   | \$1,295   | \$6,693   | \$0 |                               |  |  |  |  |
|     | 1.0% Contracting & Reprographics         | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2029Q1     | 29.2%             | \$5,398   | \$1,295   | \$6,693   |   |                                   | \$5,398   | \$1,295   | \$6,693   | \$0 |                               |  |  |  |  |
|     | 1.5% Engineering During Construction     | \$6,026                                      | \$1,446       | 24.0%       | \$7,472        | 4.0%       | \$6,266                                                  | \$1,504       | \$7,770     | 4.0%           | \$6,266    | \$1,504                                       | \$7,770       | \$7,770     | 4.0%           | 2030Q1     | 34.1%             | \$8,404   | \$2,017   | \$10,421  |   |                                   | \$8,404   | \$2,017   | \$10,421  | \$0 |                               |  |  |  |  |
|     | 1.8% Planning During Construction        | \$7,335                                      | \$1,760       | 24.0%       | \$9,096        | 4.0%       | \$7,628                                                  | \$1,831       | \$9,459     | 4.0%           | \$7,628    | \$1,831                                       | \$9,459       | \$9,459     | 4.0%           | 2030Q1     | 34.1%             | \$10,231  | \$2,455   | \$12,686  |   |                                   | \$10,231  | \$2,455   | \$12,686  | \$0 |                               |  |  |  |  |
|     | 1.0% Adaptive Management & Monitoring    | \$4,017                                      | \$964         | 24.0%       | \$4,981        | 4.0%       | \$4,178                                                  | \$1,003       | \$5,180     | 4.0%           | \$4,178    | \$1,003                                       | \$5,180       | \$5,180     | 4.0%           | 2034Q1     | 56.1%             | \$6,521   | \$1,565   | \$8,087   |   |                                   | \$6,521   | \$1,565   | \$8,087   | \$0 |                               |  |  |  |  |
|     | 0.5% Project Operations                  | \$2,009                                      | \$482         | 24.0%       | \$2,491        | 4.0%       | \$2,089                                                  | \$501         | \$2,590     | 4.0%           | \$2,089    | \$501                                         | \$2,590       | \$2,590     | 4.0%           | 2029Q1     | 29.2%             | \$2,699   | \$648     | \$3,347   |   |                                   | \$2,699   | \$648     | \$3,347   | \$0 |                               |  |  |  |  |
|     | 5.0% Construction Management             | \$20,086                                     | \$4,821       | 24.0%       | \$24,906       | 4.0%       | \$20,888                                                 | \$5,013       | \$25,901    | 4.0%           | \$20,888   | \$5,013                                       | \$25,901      | \$25,901    | 4.0%           | 2030Q1     | 34.1%             | \$28,014  | \$6,723   | \$34,737  |   |                                   | \$28,014  | \$6,723   | \$34,737  | \$0 |                               |  |  |  |  |
|     | 2.0% Project Operator:                   | \$8,034                                      | \$1,928       | 24.0%       | \$9,962        | 4.0%       | \$8,355                                                  | \$2,005       | \$10,360    | 4.0%           | \$8,355    | \$2,005                                       | \$10,360      | \$10,360    | 4.0%           | 2030Q1     | 34.1%             | \$11,206  | \$2,689   | \$13,895  |   |                                   | \$11,206  | \$2,689   | \$13,895  | \$0 |                               |  |  |  |  |
|     | 1.0% Project Management                  | \$4,194                                      | \$1,007       | 24.0%       | \$5,200        | 4.0%       | \$4,361                                                  | \$1,047       | \$5,408     | 4.0%           | \$4,361    | \$1,047                                       | \$5,408       | \$5,408     | 4.0%           | 2030Q1     | 34.1%             | \$5,849   | \$1,404   | \$7,253   |   |                                   | \$5,849   | \$1,404   | \$7,253   | \$0 |                               |  |  |  |  |
|     | <b>CONTRACT COST TOTALS:</b>             | \$486,896                                    | \$116,869     |             | \$603,765      |            | \$525,179                                                | \$126,058     | \$651,237   |                | \$525,179  | \$126,058                                     | \$651,237     | \$651,237   |                |            |                   | \$663,534 | \$156,874 | \$810,408 |   |                                   | \$663,534 | \$156,874 | \$810,408 | \$0 |                               |  |  |  |  |



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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Peitibon

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

PREPARED: 4/12/2021

| WBS | Civil Works                              | ESTIMATED COST                               |            |          |             |         |                       |            |           |             |          | PROJECT FIRST COST<br>(Constant Dollar Basis)            |            |          |             |          |                  |            |          |             |           | TOTAL PROJECT COST (FULLY FUNDED) |                |            |            |             |  |  |  |  |  |
|-----|------------------------------------------|----------------------------------------------|------------|----------|-------------|---------|-----------------------|------------|-----------|-------------|----------|----------------------------------------------------------|------------|----------|-------------|----------|------------------|------------|----------|-------------|-----------|-----------------------------------|----------------|------------|------------|-------------|--|--|--|--|--|
|     |                                          | Estimate Prepared:<br>Effective Price Level: |            |          |             |         | 12-Apr-21<br>1-Oct-20 |            |           |             |          | Program Year (Budget EC):<br>Effective Price Level Date: |            |          |             |          | 2022<br>1 OCT 21 |            |          |             |           | FULLY FUNDED PROJECT ESTIMATE     |                |            |            |             |  |  |  |  |  |
|     |                                          | COST (\$K)                                   | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K)            | CNTG (\$K) | CNTG (%)  | TOTAL (\$K) | ESC (%)  | COST (\$K)                                               | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)  | COST (\$K)       | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)   | INFLATED (%)                      | MID-POINT DATE | COST (\$K) | CNTG (\$K) | TOTAL (\$K) |  |  |  |  |  |
|     |                                          | \$583                                        | \$140      | 24.0%    | \$724       | 7.1%    | \$625                 | \$150      | \$775     | 7.1%        | \$625    | \$150                                                    | \$775      | 7.1%     | \$625       | \$150    | \$775            | 7.1%       | \$625    | \$150       | \$775     | 28.8%                             | 2030Q2         | \$804      | \$193      | \$998       |  |  |  |  |  |
|     | RELOCATIONS                              | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | LOCKS                                    | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | FISH & WILDLIFE FACILITIES               | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | FISH & WILDLIFE FACILITIES               | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$38,264                                     | \$9,183    | 24.0%    | \$47,448    | 7.4%    | \$41,081              | \$9,859    | \$50,941  | 7.4%        | \$41,081 | \$9,859                                                  | \$50,941   | 7.4%     | \$41,081    | \$9,859  | \$50,941         | 7.4%       | \$41,081 | \$9,859     | \$50,941  | 40.0%                             | 2033Q1         | \$57,516   | \$13,804   | \$71,320    |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$16,481                                     | \$3,955    | 24.0%    | \$20,436    | 7.4%    | \$17,694              | \$4,246    | \$21,940  | 7.4%        | \$17,694 | \$4,246                                                  | \$21,940   | 7.4%     | \$17,694    | \$4,246  | \$21,940         | 7.4%       | \$17,694 | \$4,246     | \$21,940  | 73.4%                             | 2040Q1         | \$30,675   | \$7,362    | \$38,036    |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$10,954                                     | \$2,629    | 24.0%    | \$13,583    | 7.4%    | \$11,760              | \$2,822    | \$14,583  | 7.4%        | \$11,760 | \$2,822                                                  | \$14,583   | 7.4%     | \$11,760    | \$2,822  | \$14,583         | 7.4%       | \$11,760 | \$2,822     | \$14,583  | 307.6%                            | 2068Q1         | \$47,932   | \$11,504   | \$59,435    |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | LEVEES & FLOODWALLS                      | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | RUCTURE                                  | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | RUCTURE                                  | \$0                                          | \$0        | 24.0%    | \$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        | \$0        | \$0         |  |  |  |  |  |
|     | CONSTRUCTION ESTIMATE TOTALS:            | \$66,282                                     | \$15,908   | 24.0%    | \$82,190    | 8.4%    | \$71,160              | \$17,078   | \$88,238  | 8.4%        | \$71,160 | \$17,078                                                 | \$88,238   | 8.4%     | \$71,160    | \$17,078 | \$88,238         | 8.4%       | \$71,160 | \$17,078    | \$88,238  | 80.1%                             | 2041Q2         | \$136,927  | \$32,862   | \$169,789   |  |  |  |  |  |
|     | LANDS AND DAMAGES                        | \$552                                        | \$138      | 25.0%    | \$690       |         | \$598                 | \$150      | \$748     |             | \$598    | \$150                                                    | \$748      |          | \$598       | \$150    | \$748            |            | \$598    | \$150       | \$748     |                                   |                | \$1,078    | \$269      | \$1,347     |  |  |  |  |  |
|     | PLANNING, ENGINEERING & DESIGN           | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 29.2%                             | 2029Q1         | \$891      | \$214      | \$1,104     |  |  |  |  |  |
|     | 1.0% Project Management                  | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 29.2%                             | 2029Q1         | \$891      | \$214      | \$1,104     |  |  |  |  |  |
|     | 3.0% Planning & Environmental Compliance | \$1,988                                      | \$477      | 24.0%    | \$2,466     | 4.0%    | \$2,068               | \$496      | \$2,564   | 4.0%        | \$2,068  | \$496                                                    | \$2,564    | 4.0%     | \$2,068     | \$496    | \$2,564          | 4.0%       | \$2,068  | \$496       | \$2,564   | 29.2%                             | 2029Q1         | \$2,672    | \$641      | \$3,313     |  |  |  |  |  |
|     | 1.0% Engineering & Design                | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 29.2%                             | 2029Q1         | \$891      | \$214      | \$1,104     |  |  |  |  |  |
|     | 1.0% Reviews, A.TRs, IEPRs, VE           | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 29.2%                             | 2029Q1         | \$891      | \$214      | \$1,104     |  |  |  |  |  |
|     | 1.0% Contracting & Reprographics         | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 29.2%                             | 2029Q1         | \$891      | \$214      | \$1,104     |  |  |  |  |  |
|     | 1.5% Engineering During Construction     | \$994                                        | \$239      | 24.0%    | \$1,233     | 4.0%    | \$1,034               | \$248      | \$1,282   | 4.0%        | \$1,034  | \$248                                                    | \$1,282    | 4.0%     | \$1,034     | \$248    | \$1,282          | 4.0%       | \$1,034  | \$248       | \$1,282   | 34.1%                             | 2030Q1         | \$1,387    | \$333      | \$1,719     |  |  |  |  |  |
|     | 1.8% Planning During Construction        | \$1,210                                      | \$290      | 24.0%    | \$1,501     | 4.0%    | \$1,259               | \$302      | \$1,561   | 4.0%        | \$1,259  | \$302                                                    | \$1,561    | 4.0%     | \$1,259     | \$302    | \$1,561          | 4.0%       | \$1,259  | \$302       | \$1,561   | 34.1%                             | 2030Q1         | \$1,688    | \$405      | \$2,093     |  |  |  |  |  |
|     | 1.0% Adaptive Management & Monitoring    | \$663                                        | \$159      | 24.0%    | \$822       | 4.0%    | \$689                 | \$165      | \$855     | 4.0%        | \$689    | \$165                                                    | \$855      | 4.0%     | \$689       | \$165    | \$855            | 4.0%       | \$689    | \$165       | \$855     | 56.1%                             | 2034Q1         | \$1,076    | \$258      | \$1,334     |  |  |  |  |  |
|     | 0.5% Project Operations                  | \$331                                        | \$80       | 24.0%    | \$411       | 4.0%    | \$345                 | \$83       | \$427     | 4.0%        | \$345    | \$83                                                     | \$427      | 4.0%     | \$345       | \$83     | \$427            | 4.0%       | \$345    | \$83        | \$427     | 29.2%                             | 2029Q1         | \$445      | \$107      | \$552       |  |  |  |  |  |
|     | 5.0% Construction Management             | \$3,314                                      | \$795      | 24.0%    | \$4,109     | 4.0%    | \$3,446               | \$827      | \$4,274   | 4.0%        | \$3,446  | \$827                                                    | \$4,274    | 4.0%     | \$3,446     | \$827    | \$4,274          | 4.0%       | \$3,446  | \$827       | \$4,274   | 34.1%                             | 2030Q1         | \$4,622    | \$1,109    | \$5,732     |  |  |  |  |  |
|     | 2.0% Project Operator:                   | \$1,326                                      | \$318      | 24.0%    | \$1,644     | 4.0%    | \$1,379               | \$331      | \$1,709   | 4.0%        | \$1,379  | \$331                                                    | \$1,709    | 4.0%     | \$1,379     | \$331    | \$1,709          | 4.0%       | \$1,379  | \$331       | \$1,709   | 34.1%                             | 2030Q1         | \$1,849    | \$444      | \$2,293     |  |  |  |  |  |
|     | 1.0% Project Management                  | \$692                                        | \$166      | 24.0%    | \$858       | 4.0%    | \$720                 | \$173      | \$892     | 4.0%        | \$720    | \$173                                                    | \$892      | 4.0%     | \$720       | \$173    | \$892            | 4.0%       | \$720    | \$173       | \$892     | 34.1%                             | 2030Q1         | \$965      | \$232      | \$1,197     |  |  |  |  |  |
|     | CONTRACT COST TOTALS:                    | \$80,667                                     | \$19,366   |          | \$100,033   |         | \$86,144              | \$20,681   | \$106,824 |             | \$86,144 | \$20,681                                                 | \$106,824  |          | \$86,144    | \$20,681 | \$106,824        |            | \$86,144 | \$20,681    | \$106,824 |                                   |                | \$157,162  | \$37,730   | \$194,892   |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Peitlbon  
PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| Civil Works Work Breakdown Structure |                                          | ESTIMATED COST                                                        |                 |              |                 |            |                 |                 | PROJECT FIRST COST<br>(Constant Dollar Basis)                             |                |                 |                 |                 |                 |                   | TOTAL PROJECT COST (FULLY FUNDED) |               |               |             |               |  |  |
|--------------------------------------|------------------------------------------|-----------------------------------------------------------------------|-----------------|--------------|-----------------|------------|-----------------|-----------------|---------------------------------------------------------------------------|----------------|-----------------|-----------------|-----------------|-----------------|-------------------|-----------------------------------|---------------|---------------|-------------|---------------|--|--|
|                                      |                                          | Estimate Prepared:<br>Effective Price Level:<br>12-Apr-21<br>1-Oct-20 |                 |              |                 |            |                 |                 | Program Year (Budget EC):<br>Effective Price Level Date: 1 OCT 21<br>2022 |                |                 |                 |                 |                 |                   | FULLY FUNDED PROJECT ESTIMATE     |               |               |             |               |  |  |
| WBS                                  | Civil Works                              | COST<br>(\$K)                                                         | CNTG<br>(\$K)   | CNTG<br>(%)  | TOTAL<br>(\$K)  | ESC<br>(%) | COST<br>(\$K)   | CNTG<br>(\$K)   | CNTG<br>(%)                                                               | TOTAL<br>(\$K) | INFLATED<br>(%) | COST<br>(\$K)   | CNTG<br>(\$K)   | CNTG<br>(%)     | MID-POINT<br>DATE | INFLATED<br>(%)                   | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>(%) | FULL<br>(\$K) |  |  |
|                                      |                                          | C                                                                     | D               | E            | F               | G          | H               | I               | J                                                                         | K              | L               | M               | N               | O               | P                 |                                   |               |               |             |               |  |  |
|                                      | RELOCATIONS                              | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | LOCKS                                    | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | FISH & WILDLIFE FACILITIES               | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | FISH & WILDLIFE FACILITIES               | \$21,177                                                              | \$5,082         | 24.0%        | \$26,259        | 8.6%       | \$23,006        | \$5,521         | \$28,527                                                                  | \$28,527       | 13.1%           | \$26,012        | \$6,243         | \$32,255        | 2026Q1            | 13.1%                             | \$26,012      | \$6,243       | \$32,255    | \$32,255      |  |  |
|                                      | LEVEES & FLOODWALLS                      | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | LEVEES & FLOODWALLS                      | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | LEVEES & FLOODWALLS                      | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | LEVEES & FLOODWALLS                      | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | RUCTURE                                  | \$15,659                                                              | \$3,758         | 24.0%        | \$19,417        | 8.6%       | \$17,012        | \$4,083         | \$21,094                                                                  | \$21,094       | 14.0%           | \$19,385        | \$4,653         | \$24,038        | 2026Q2            | 14.0%                             | \$19,385      | \$4,653       | \$24,038    | \$24,038      |  |  |
|                                      | RUCTURE                                  | \$0                                                                   | \$0             | 24.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | <b>CONSTRUCTION ESTIMATE TOTALS:</b>     | <b>\$36,835</b>                                                       | <b>\$8,841</b>  | <b>24.0%</b> | <b>\$45,676</b> |            | <b>\$40,018</b> | <b>\$9,604</b>  | <b>\$49,622</b>                                                           |                |                 | <b>\$45,398</b> | <b>\$10,895</b> | <b>\$56,293</b> |                   |                                   |               |               |             |               |  |  |
|                                      | LANDS AND DAMAGES                        | \$0                                                                   | \$0             | 25.0%        | \$0             | 0.0%       | \$0             | \$0             | \$0                                                                       | \$0            | 0.0%            | \$0             | \$0             | \$0             | 0                 | 0.0%                              | \$0           | \$0           | \$0         | \$0           |  |  |
|                                      | <b>30</b>                                |                                                                       |                 |              |                 |            |                 |                 |                                                                           |                |                 |                 |                 |                 |                   |                                   |               |               |             |               |  |  |
|                                      | PLANNING, ENGINEERING & DESIGN           |                                                                       |                 |              |                 |            |                 |                 |                                                                           |                |                 |                 |                 |                 |                   |                                   |               |               |             |               |  |  |
|                                      | 1.0% Project Management                  | \$368                                                                 | \$88            | 24.0%        | \$457           | 4.0%       | \$383           | \$92            | \$475                                                                     | \$475          | 7.6%            | \$412           | \$99            | \$511           | 2024Q1            | 7.6%                              | \$412         | \$99          | \$511       | \$511         |  |  |
|                                      | 1.0% Planning & Environmental Compliance | \$368                                                                 | \$88            | 24.0%        | \$457           | 4.0%       | \$383           | \$92            | \$475                                                                     | \$475          | 7.6%            | \$412           | \$99            | \$511           | 2024Q1            | 7.6%                              | \$412         | \$99          | \$511       | \$511         |  |  |
|                                      | 3.0% Engineering & Design                | \$1,105                                                               | \$265           | 24.0%        | \$1,370         | 4.0%       | \$1,149         | \$276           | \$1,425                                                                   | \$1,425        | 7.6%            | \$1,236         | \$297           | \$1,533         | 2024Q1            | 7.6%                              | \$1,236       | \$297         | \$1,533     | \$1,533       |  |  |
|                                      | 1.0% Reviews, ATRs, IEPRs, VE            | \$368                                                                 | \$88            | 24.0%        | \$457           | 4.0%       | \$383           | \$92            | \$475                                                                     | \$475          | 7.6%            | \$412           | \$99            | \$511           | 2024Q1            | 7.6%                              | \$412         | \$99          | \$511       | \$511         |  |  |
|                                      | 1.0% Contracting & Reprographics         | \$368                                                                 | \$88            | 24.0%        | \$457           | 4.0%       | \$383           | \$92            | \$475                                                                     | \$475          | 7.6%            | \$412           | \$99            | \$511           | 2024Q1            | 7.6%                              | \$412         | \$99          | \$511       | \$511         |  |  |
|                                      | 1.5% Engineering During Construction     | \$553                                                                 | \$133           | 24.0%        | \$685           | 4.0%       | \$575           | \$138           | \$712                                                                     | \$712          | 15.7%           | \$665           | \$160           | \$824           | 2026Q1            | 15.7%                             | \$665         | \$160         | \$824       | \$824         |  |  |
|                                      | 1.8% Planning During Construction        | \$673                                                                 | \$161           | 24.0%        | \$834           | 4.0%       | \$699           | \$168           | \$867                                                                     | \$867          | 15.7%           | \$809           | \$194           | \$1,003         | 2026Q1            | 15.7%                             | \$809         | \$194         | \$1,003     | \$1,003       |  |  |
|                                      | 1.0% Adaptive Management & Monitoring    | \$368                                                                 | \$88            | 24.0%        | \$457           | 4.0%       | \$383           | \$92            | \$475                                                                     | \$475          | 29.2%           | \$495           | \$119           | \$614           | 2029Q1            | 29.2%                             | \$495         | \$119         | \$614       | \$614         |  |  |
|                                      | 0.5% Project Operations                  | \$184                                                                 | \$44            | 24.0%        | \$228           | 4.0%       | \$192           | \$46            | \$237                                                                     | \$237          | 7.6%            | \$206           | \$49            | \$255           | 2024Q1            | 7.6%                              | \$206         | \$49          | \$255       | \$255         |  |  |
|                                      | 5.0% Construction Management             | \$1,842                                                               | \$442           | 24.0%        | \$2,284         | 4.0%       | \$1,915         | \$460           | \$2,375                                                                   | \$2,375        | 15.7%           | \$2,215         | \$532           | \$2,747         | 2026Q1            | 15.7%                             | \$2,215       | \$532         | \$2,747     | \$2,747       |  |  |
|                                      | 2.0% Project Operator:                   | \$737                                                                 | \$177           | 24.0%        | \$914           | 4.0%       | \$766           | \$184           | \$950                                                                     | \$950          | 15.7%           | \$886           | \$213           | \$1,099         | 2026Q1            | 15.7%                             | \$886         | \$213         | \$1,099     | \$1,099       |  |  |
|                                      | 1.0% Project Management                  | \$385                                                                 | \$92            | 24.0%        | \$477           | 4.0%       | \$400           | \$96            | \$496                                                                     | \$496          | 15.7%           | \$463           | \$111           | \$574           | 2026Q1            | 15.7%                             | \$463         | \$111         | \$574       | \$574         |  |  |
|                                      | <b>CONTRACT COST TOTALS:</b>             | <b>\$44,523</b>                                                       | <b>\$10,686</b> |              | <b>\$55,209</b> |            | <b>\$48,012</b> | <b>\$11,523</b> | <b>\$59,535</b>                                                           |                |                 | <b>\$54,433</b> | <b>\$13,064</b> | <b>\$67,497</b> |                   |                                   |               |               |             |               |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf      DISTRICT: MVN District      PREPARED: 4/12/2021  
 LOCATION: Morganza to the Gulf      POC: CHIEF, COST ENGINEERING, John Pettibon  
 This Estimate reflects the scope and schedule in report; Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |                 |                 |                  |                  |                       |          |          |      |          | PROJECT FIRST COST<br><small>(Assessments/Order/Boat)</small> |          |          |        |   |                  |          |         |          |          | TOTAL PROJECT COST (FULLY FUNDED) |          |          |          |          |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|-----------------|-----------------|------------------|------------------|-----------------------|----------|----------|------|----------|---------------------------------------------------------------|----------|----------|--------|---|------------------|----------|---------|----------|----------|-----------------------------------|----------|----------|----------|----------|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |                 |                 |                  |                  | 12-Apr-21<br>1-Oct-20 |          |          |      |          | Program Year (Budget EC):<br>Effective Price Level Date:      |          |          |        |   | 2022<br>1 OCT 21 |          |         |          |          | FULLY FUNDED PROJECT ESTIMATE     |          |          |          |          |  |  |  |  |  |
|                                      |                                                  | COST<br>_(\$K)_                              | CNTG<br>_(\$K)_ | CNTG<br>_(\$K)_ | TOTAL<br>_(\$K)_ | TOTAL<br>_(\$K)_ | G                     | H        | I        | J    | K        | L                                                             | M        | N        | O      | P | Q                | R        | S       | T        | U        | V                                 | W        | X        | Y        | Z        |  |  |  |  |  |
| <b>02</b>                            | RELOCATIONS                                      | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | \$0  | 0.0%     | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>05</b>                            | LOCKS                                            | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$11,125                                     | \$2,670         | 24.0%           | \$13,795         | \$13,795         | \$2,901               | \$14,987 | \$14,987 | 8.6% | \$12,086 | \$2,901                                                       | \$14,987 | \$14,987 | 2026Q1 |   | 13.1%            | \$13,666 | \$3,280 | \$16,946 | \$16,946 | \$16,946                          | \$16,946 | \$16,946 | \$16,946 | \$16,946 |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>13</b>                            | PUMPING PLANT                                    | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0             | 24.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$11,125                                     | \$2,670         | 24.0%           | \$13,795         | \$13,795         | \$2,901               | \$14,987 | \$14,987 |      | \$12,086 | \$2,901                                                       | \$14,987 | \$14,987 |        |   |                  | \$13,666 | \$3,280 | \$16,946 | \$16,946 | \$16,946                          | \$16,946 | \$16,946 | \$16,946 | \$16,946 |  |  |  |  |  |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$0                                          | \$0             | 25.0%           | \$0              | \$0              | \$0                   | \$0      | \$0      | 0.0% | \$0      | \$0                                                           | \$0      | \$0      | 0      | 0 | 0.0%             | \$0      | \$0     | \$0      | \$0      | \$0                               | \$0      | \$0      | \$0      | \$0      |  |  |  |  |  |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2024Q1 |   | 7.6%             | \$124    | \$30    | \$154    | \$154    | \$154                             | \$154    | \$154    | \$154    |          |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2024Q1 |   | 7.6%             | \$124    | \$30    | \$154    | \$154    | \$154                             | \$154    | \$154    | \$154    |          |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$334                                        | \$80            | 24.0%           | \$414            | \$414            | \$83                  | \$430    | \$430    | 4.0% | \$347    | \$83                                                          | \$430    | \$430    | 2024Q1 |   | 7.6%             | \$373    | \$90    | \$463    | \$463    | \$463                             | \$463    | \$463    | \$463    |          |  |  |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2024Q1 |   | 7.6%             | \$124    | \$30    | \$154    | \$154    | \$154                             | \$154    | \$154    | \$154    |          |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2024Q1 |   | 7.6%             | \$124    | \$30    | \$154    | \$154    | \$154                             | \$154    | \$154    | \$154    |          |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2024Q1 |   | 7.6%             | \$124    | \$30    | \$154    | \$154    | \$154                             | \$154    | \$154    | \$154    |          |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$167                                        | \$40            | 24.0%           | \$207            | \$207            | \$42                  | \$215    | \$215    | 4.0% | \$174    | \$42                                                          | \$215    | \$215    | 2025Q1 |   | 11.5%            | \$194    | \$46    | \$240    | \$240    | \$240                             | \$240    | \$240    | \$240    |          |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$203                                        | \$49            | 24.0%           | \$252            | \$252            | \$51                  | \$262    | \$262    | 4.0% | \$211    | \$51                                                          | \$262    | \$262    | 2025Q1 |   | 11.5%            | \$236    | \$57    | \$292    | \$292    | \$292                             | \$292    | \$292    | \$292    |          |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$111                                        | \$27            | 24.0%           | \$138            | \$138            | \$28                  | \$143    | \$143    | 4.0% | \$116    | \$28                                                          | \$143    | \$143    | 2029Q1 |   | 29.2%            | \$149    | \$36    | \$185    | \$185    | \$185                             | \$185    | \$185    | \$185    |          |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$56                                         | \$13            | 24.0%           | \$69             | \$69             | \$14                  | \$72     | \$72     | 4.0% | \$58     | \$14                                                          | \$72     | \$72     | 2024Q1 |   | 7.6%             | \$62     | \$15    | \$77     | \$77     | \$77                              | \$77     | \$77     | \$77     |          |  |  |  |  |  |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          | \$556                                        | \$134           | 24.0%           | \$690            | \$690            | \$139                 | \$717    | \$717    | 4.0% | \$578    | \$139                                                         | \$717    | \$717    | 2025Q1 |   | 11.5%            | \$645    | \$155   | \$800    | \$800    | \$800                             | \$800    | \$800    | \$800    |          |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$556                                        | \$134           | 24.0%           | \$690            | \$690            | \$139                 | \$717    | \$717    | 4.0% | \$578    | \$139                                                         | \$717    | \$717    | 2025Q1 |   | 11.5%            | \$645    | \$155   | \$800    | \$800    | \$800                             | \$800    | \$800    | \$800    |          |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$223                                        | \$53            | 24.0%           | \$276            | \$276            | \$56                  | \$287    | \$287    | 4.0% | \$231    | \$56                                                          | \$287    | \$287    | 2025Q1 |   | 11.5%            | \$258    | \$62    | \$320    | \$320    | \$320                             | \$320    | \$320    | \$320    |          |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$116                                        | \$28            | 24.0%           | \$144            | \$144            | \$29                  | \$150    | \$150    | 4.0% | \$121    | \$29                                                          | \$150    | \$150    | 2025Q1 |   | 11.5%            | \$135    | \$32    | \$167    | \$167    | \$167                             | \$167    | \$167    | \$167    |          |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$13,447                                     | \$3,227         |                 | \$16,675         | \$16,675         | \$3,480               | \$17,981 | \$17,981 |      | \$14,501 | \$3,480                                                       | \$17,981 | \$17,981 |        |   |                  | \$16,340 | \$3,922 | \$20,262 | \$20,262 | \$20,262                          | \$20,262 | \$20,262 | \$20,262 |          |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |               |           |                |            | PROJECT FIRST COST<br>(Associated Budget Base)           |               |               |           |                |                  |                   |               |               |               | TOTAL PROJECT COST (FULLY FUNDED) |               |           |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|---------------|-----------|----------------|------------|----------------------------------------------------------|---------------|---------------|-----------|----------------|------------------|-------------------|---------------|---------------|---------------|-----------------------------------|---------------|-----------|--|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |               |           |                | 2022<br>1 OCT 21 |                   |               |               |               | FULLY FUNDED PROJECT ESTIMATE     |               |           |  |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | ESC<br>%                                                 | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>%       | Mid-Point<br>Date | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>%                         | FULL<br>(\$K) | FULL<br>% |  |  |  |  |  |  |  |
| A                                    | REACH H-1                                        |                                              |               |           |                |            |                       |               |           |                |            |                                                          |               |               |           |                |                  |                   |               |               |               |                                   |               |           |  |  |  |  |  |  |  |
| 02                                   | RELOCATIONS                                      | \$1,886                                      | \$453         | 24.0%     | \$2,338        | 24.0%      | \$485                 | \$2,504       | 24.0%     | 7.1%           | \$2,019    | \$485                                                    | \$2,504       | 24.0%         | 2022Q2    | 0.8%           |                  |                   | \$2,035       | \$488         |               |                                   | \$2,523       |           |  |  |  |  |  |  |  |
| 05                                   | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 24.0%     | 0.0%           | \$0        | \$0                                                      | \$0           | 24.0%         | 0         | 0.0%           |                  |                   | \$0           | \$0           |               |                                   | \$0           |           |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 24.0%     | 0.0%           | \$0        | \$0                                                      | \$0           | 24.0%         | 0         | 0.0%           |                  |                   | \$0           | \$0           |               |                                   | \$0           |           |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$20,374                                     | \$4,890       | 24.0%     | \$25,264       | 24.0%      | \$22,134              | \$5,312       | \$27,446  | 8.6%           | \$22,134   | \$5,312                                                  | \$27,446      | 24.0%         | 2023Q2    | 4.0%           |                  |                   | \$23,015      | \$5,524       |               |                                   | \$28,539      |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$107,606                                    | \$25,825      | 24.0%     | \$133,431      | 24.0%      | \$27,727              | \$143,254     | 24.0%     | 7.4%           | \$115,527  | \$27,727                                                 | \$143,254     | 24.0%         | 2033Q2    | 41.1%          |                  |                   | \$163,014     | \$39,123      |               |                                   | \$202,138     |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$41,902                                     | \$10,056      | 24.0%     | \$51,958       | 24.0%      | \$10,797              | \$65,783      | 24.0%     | 7.4%           | \$44,986   | \$10,797                                                 | \$65,783      | 24.0%         | 2048Q1    | 121.3%         |                  |                   | \$99,566      | \$23,896      |               |                                   | \$123,461     |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$31,397                                     | \$7,535       | 24.0%     | \$38,932       | 24.0%      | \$8,090               | \$41,798      | 24.0%     | 7.4%           | \$33,708   | \$8,090                                                  | \$41,798      | 24.0%         | 2068Q2    | 310.8%         |                  |                   | \$138,462     | \$33,231      |               |                                   | \$171,693     |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 24.0%     | 0.0%           | \$0        | \$0                                                      | \$0           | 24.0%         | 0         | 0.0%           |                  |                   | \$0           | \$0           |               |                                   | \$0           |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 24.0%     | 0.0%           | \$0        | \$0                                                      | \$0           | 24.0%         | 0         | 0.0%           |                  |                   | \$0           | \$0           |               |                                   | \$0           |           |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$295                                        | \$71          | 24.0%     | \$365          | 24.0%      | \$77                  | \$397         | 24.0%     | 8.6%           | \$320      | \$77                                                     | \$397         | 24.0%         | 2031Q2    | 32.7%          |                  |                   | \$425         | \$102         |               |                                   | \$527         |           |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$37,030                                     | \$8,887       | 24.0%     | \$45,917       | 24.0%      | \$9,655               | \$49,884      | 24.0%     | 8.6%           | \$40,229   | \$9,655                                                  | \$49,884      | 24.0%         | 2039Q1    | 68.2%          |                  |                   | \$67,646      | \$16,235      |               |                                   | \$83,880      |           |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$240,489                                    | \$57,717      | 24.0%     | \$298,207      | 24.0%      | \$62,142              | \$321,067     | 24.0%     | 8.4%           | \$258,925  | \$62,142                                                 | \$321,067     | 24.0%         | 2039Q2    | 69.5%          |                  |                   | \$494,162     | \$118,599     |               |                                   | \$612,761     |           |  |  |  |  |  |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$2,426                                      | \$607         | 25.0%     | \$3,033        | 25.0%      | \$658                 | \$3,288       | 25.0%     | 8.4%           | \$2,630    | \$658                                                    | \$3,288       | 25.0%         | 2039Q2    | 69.5%          |                  |                   | \$4,457       | \$1,114       |               |                                   | \$5,571       |           |  |  |  |  |  |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   |                                              |               |           |                |            |                       |               |           |                |            |                                                          |               |               |           |                |                  |                   |               |               |               |                                   |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,405                                      | \$577         | 24.0%     | \$2,982        | 24.0%      | \$600                 | \$3,101       | 24.0%     | 4.0%           | \$2,501    | \$600                                                    | \$3,101       | 24.0%         | 2028Q1    | 24.5%          |                  |                   | \$3,113       | \$747         |               |                                   | \$3,860       |           |  |  |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$7,215                                      | \$1,732       | 24.0%     | \$8,946        | 24.0%      | \$1,801               | \$9,303       | 24.0%     | 4.0%           | \$7,503    | \$1,801                                                  | \$9,303       | 24.0%         | 2028Q1    | 24.5%          |                  |                   | \$9,339       | \$2,241       |               |                                   | \$11,581      |           |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$2,405                                      | \$577         | 24.0%     | \$2,982        | 24.0%      | \$600                 | \$3,101       | 24.0%     | 4.0%           | \$2,501    | \$600                                                    | \$3,101       | 24.0%         | 2028Q1    | 24.5%          |                  |                   | \$3,113       | \$747         |               |                                   | \$3,860       |           |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$2,405                                      | \$577         | 24.0%     | \$2,982        | 24.0%      | \$600                 | \$3,101       | 24.0%     | 4.0%           | \$2,501    | \$600                                                    | \$3,101       | 24.0%         | 2028Q1    | 24.5%          |                  |                   | \$3,113       | \$747         |               |                                   | \$3,860       |           |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$3,607                                      | \$866         | 24.0%     | \$4,473        | 24.0%      | \$900                 | \$4,652       | 24.0%     | 4.0%           | \$3,751    | \$900                                                    | \$4,652       | 24.0%         | 2029Q1    | 29.2%          |                  |                   | \$4,847       | \$1,163       |               |                                   | \$6,010       |           |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$4,391                                      | \$1,054       | 24.0%     | \$5,445        | 24.0%      | \$1,096               | \$5,663       | 24.0%     | 4.0%           | \$4,567    | \$1,096                                                  | \$5,663       | 24.0%         | 2029Q1    | 29.2%          |                  |                   | \$5,901       | \$1,416       |               |                                   | \$7,317       |           |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$2,405                                      | \$577         | 24.0%     | \$2,982        | 24.0%      | \$600                 | \$3,101       | 24.0%     | 4.0%           | \$2,501    | \$600                                                    | \$3,101       | 24.0%         | 2033Q1    | 50.2%          |                  |                   | \$3,758       | \$902         |               |                                   | \$4,659       |           |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$1,202                                      | \$289         | 24.0%     | \$1,491        | 24.0%      | \$300                 | \$1,551       | 24.0%     | 4.0%           | \$1,250    | \$300                                                    | \$1,551       | 24.0%         | 2028Q1    | 24.5%          |                  |                   | \$1,557       | \$374         |               |                                   | \$1,930       |           |  |  |  |  |  |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          |                                              |               |           |                |            |                       |               |           |                |            |                                                          |               |               |           |                |                  |                   |               |               |               |                                   |               |           |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$12,024                                     | \$2,886       | 24.0%     | \$14,910       | 24.0%      | \$3,001               | \$15,506      | 24.0%     | 4.0%           | \$12,505   | \$3,001                                                  | \$15,506      | 24.0%         | 2029Q1    | 29.2%          |                  |                   | \$16,157      | \$3,878       |               |                                   | \$20,035      |           |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$4,810                                      | \$1,154       | 24.0%     | \$5,964        | 24.0%      | \$1,200               | \$6,202       | 24.0%     | 4.0%           | \$5,002    | \$1,200                                                  | \$6,202       | 24.0%         | 2029Q1    | 29.2%          |                  |                   | \$6,463       | \$1,551       |               |                                   | \$8,014       |           |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,511                                      | \$603         | 24.0%     | \$3,113        | 24.0%      | \$627                 | \$3,238       | 24.0%     | 4.0%           | \$2,611    | \$627                                                    | \$3,238       | 24.0%         | 2029Q1    | 29.2%          |                  |                   | \$3,374       | \$810         |               |                                   | \$4,183       |           |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$293,106                                    | \$70,370      |           | \$363,475      |            | \$313,749             | \$75,326      | \$389,075 |                | \$313,749  | \$75,326                                                 | \$389,075     |               |           |                |                  |                   | \$565,579     | \$135,784     |               |                                   | \$701,363     |           |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                   | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST        |          |            |             |             |                                 |            |          |            |             | PROJECT FIRST COST<br>(Assessable Budget-Basis) |              |            |          |            |                |              |            |          |            | TOTAL PROJECT COST (FULLY FUNDED) |     |  |  |  |  |  |  |  |  |
|------------------------------|--------------------------------------------------|-----------------------|----------|------------|-------------|-------------|---------------------------------|------------|----------|------------|-------------|-------------------------------------------------|--------------|------------|----------|------------|----------------|--------------|------------|----------|------------|-----------------------------------|-----|--|--|--|--|--|--|--|--|
|                              |                                                  | 12-Apr-21<br>1-Oct-20 |          |            |             |             | Program Year (Budget ECY): 2022 |            |          |            |             | Effective Price Level Date: 1 OCT 21            |              |            |          |            | Mid-Point Date |              |            |          |            | FULLY FUNDED PROJECT ESTIMATE     |     |  |  |  |  |  |  |  |  |
|                              |                                                  | COST (\$K)            | CNTG (%) | CNTG (\$K) | TOTAL (\$K) | TOTAL (\$K) | ESC (%)                         | COST (\$K) | CNTG (%) | CNTG (\$K) | TOTAL (\$K) | TOTAL (\$K)                                     | INFLATED (%) | COST (\$K) | CNTG (%) | CNTG (\$K) | FULL (\$K)     | INFLATED (%) | COST (\$K) | CNTG (%) | CNTG (\$K) | FULL (\$K)                        |     |  |  |  |  |  |  |  |  |
| A                            | REACH H-2                                        |                       |          |            |             |             |                                 |            |          |            |             |                                                 |              |            |          |            |                |              |            |          |            |                                   |     |  |  |  |  |  |  |  |  |
| 02                           | RELOCATIONS                                      | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 05                           | LOCKS                                            | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 06                           | FISH & WILDLIFE FACILITIES                       | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 06                           | FISH & WILDLIFE FACILITIES                       | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 11                           | LEVEES & FLOODWALLS                              | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 11                           | LEVEES & FLOODWALLS                              | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 11                           | LEVEES & FLOODWALLS                              | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 11                           | LEVEES & FLOODWALLS                              | \$0                   | 24.0%    | \$0        | \$0         | 0.0%        | \$0                             | 24.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 24.0%        | \$0        | \$0      | 0.0%       | \$0            | 24.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 15                           | RUCTURE                                          | \$324                 | 78       | \$8,801    | \$402       | 8.6%        | \$352                           | 85         | \$437    | \$49,402   | 2029Q2      | 24.9%                                           | \$440        | \$106      | \$546    | 2039Q1     | 68.2%          | \$66,992     | \$16,078   | \$83,070 |            |                                   |     |  |  |  |  |  |  |  |  |
| 15                           | RUCTURE                                          | \$36,996              | \$8,879  | \$45,876   | \$49,839    |             | \$40,193                        | \$9,646    | \$49,839 |            |             |                                                 | \$67,432     | \$16,184   | \$83,615 |            |                |              |            |          |            |                                   |     |  |  |  |  |  |  |  |  |
| 01                           | LANDS AND DAMAGES                                | \$0                   | 25.0%    | \$0        | \$0         | 0.0%        | \$0                             | 25.0%      | \$0      | \$0        | 0.0%        | \$0                                             | 25.0%        | \$0        | \$0      | 0.0%       | \$0            | 25.0%        | \$0        | \$0      | 0.0%       | \$0                               | \$0 |  |  |  |  |  |  |  |  |
| 30                           | PLANNING, ENGINEERING & DESIGN                   |                       |          |            |             |             |                                 |            |          |            |             |                                                 |              |            |          |            |                |              |            |          |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Project Management                               | \$370                 | \$89     | \$459      | \$477       | 4.0%        | \$385                           | \$92       | \$477    | \$477      | 2027Q1      | 19.9%                                           | \$461        | \$111      | \$572    | 2027Q1     | 19.9%          | \$461        | \$111      | \$572    |            |                                   |     |  |  |  |  |  |  |  |  |
| 3.0%                         | Planning & Environmental Compliance              | \$370                 | \$89     | \$459      | \$477       | 4.0%        | \$385                           | \$92       | \$477    | \$477      | 2027Q1      | 19.9%                                           | \$461        | \$111      | \$572    | 2027Q1     | 19.9%          | \$461        | \$111      | \$572    |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Engineering & Design                             | \$1,110               | \$266    | \$1,376    | \$1,431     | 4.0%        | \$1,154                         | \$277      | \$1,431  | \$1,431    | 2027Q1      | 19.9%                                           | \$1,384      | \$332      | \$1,717  | 2027Q1     | 19.9%          | \$1,384      | \$332      | \$1,717  |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Reviews - ATRs, IEPRs, VE                        | \$370                 | \$89     | \$459      | \$477       | 4.0%        | \$385                           | \$92       | \$477    | \$477      | 2027Q1      | 19.9%                                           | \$461        | \$111      | \$572    | 2027Q1     | 19.9%          | \$461        | \$111      | \$572    |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Contracting & Reprographics                      | \$370                 | \$89     | \$459      | \$477       | 4.0%        | \$385                           | \$92       | \$477    | \$477      | 2027Q1      | 19.9%                                           | \$461        | \$111      | \$572    | 2027Q1     | 19.9%          | \$461        | \$111      | \$572    |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.5%                         | Engineering During Construction                  | \$555                 | \$133    | \$688      | \$716       | 4.0%        | \$577                           | \$139      | \$716    | \$716      | 2028Q2      | 25.6%                                           | \$725        | \$174      | \$899    | 2028Q2     | 25.6%          | \$725        | \$174      | \$899    |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.8%                         | Planning During Construction                     | \$676                 | \$162    | \$838      | \$871       | 4.0%        | \$703                           | \$169      | \$871    | \$871      | 2028Q2      | 25.6%                                           | \$883        | \$212      | \$1,094  | 2028Q2     | 25.6%          | \$883        | \$212      | \$1,094  |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Adaptive Management & Monitoring                 | \$370                 | \$89     | \$459      | \$477       | 4.0%        | \$385                           | \$92       | \$477    | \$477      | 2032Q2      | 46.0%                                           | \$562        | \$135      | \$696    | 2027Q1     | 19.9%          | \$562        | \$135      | \$696    |            |                                   |     |  |  |  |  |  |  |  |  |
| 0.5%                         | Project Operations                               | \$185                 | \$44     | \$229      | \$239       | 4.0%        | \$192                           | \$46       | \$239    | \$239      | 2027Q1      | 19.9%                                           | \$231        | \$55       | \$286    | 2027Q1     | 19.9%          | \$231        | \$55       | \$286    |            |                                   |     |  |  |  |  |  |  |  |  |
| 31                           | CONSTRUCTION MANAGEMENT                          |                       |          |            |             |             |                                 |            |          |            |             |                                                 |              |            |          |            |                |              |            |          |            |                                   |     |  |  |  |  |  |  |  |  |
| 5.0%                         | Construction Management                          | \$1,850               | \$444    | \$2,294    | \$2,385     | 4.0%        | \$1,924                         | \$462      | \$2,385  | \$2,385    | 2028Q2      | 25.6%                                           | \$2,417      | \$580      | \$2,997  | 2028Q2     | 25.6%          | \$2,417      | \$580      | \$2,997  |            |                                   |     |  |  |  |  |  |  |  |  |
| 2.0%                         | Project Operation:                               | \$740                 | \$178    | \$918      | \$954       | 4.0%        | \$769                           | \$185      | \$954    | \$954      | 2028Q2      | 25.6%                                           | \$967        | \$232      | \$1,199  | 2028Q2     | 25.6%          | \$967        | \$232      | \$1,199  |            |                                   |     |  |  |  |  |  |  |  |  |
| 1.0%                         | Project Management                               | \$386                 | \$93     | \$479      | \$498       | 4.0%        | \$402                           | \$96       | \$498    | \$498      | 2028Q2      | 25.6%                                           | \$505        | \$121      | \$626    | 2028Q2     | 25.6%          | \$505        | \$121      | \$626    |            |                                   |     |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b> |                                                  | \$44,718              | \$10,732 | \$55,450   | \$59,795    |             | \$48,222                        | \$11,573   | \$59,795 | \$59,795   |             |                                                 | \$77,412     | \$18,579   | \$95,990 |            |                | \$77,412     | \$18,579   | \$95,990 |            |                                   |     |  |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021  
Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |          |          |        |       | PROJECT FIRST COST<br>(Assessing Budget-Basis)           |          |           |      |          |                  |               |           |                |                   | TOTAL PROJECT COST (FULLY FUNDED) |               |               |               |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|----------|----------|--------|-------|----------------------------------------------------------|----------|-----------|------|----------|------------------|---------------|-----------|----------------|-------------------|-----------------------------------|---------------|---------------|---------------|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |          |          |        |       | Program Year (Budget EC):<br>Effective Price Level Date: |          |           |      |          | 2022<br>1 OCT 21 |               |           |                |                   | FULLY FUNDED PROJECT ESTIMATE     |               |               |               |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | G                     | H        | I        | J      | P     | L                                                        | M        | N         | O    | ESC<br>% | COST<br>(\$K)    | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | Mid-Point<br>Date | INFLATED<br>%                     | COST<br>(\$K) | CNTG<br>(\$K) | FULL<br>(\$K) |  |  |  |  |  |  |
| <b>A</b>                             | <b>REACH H-3</b>                                 |                                              |               |           |                |            |                       |          |          |        |       |                                                          |          |           |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>02</b>                            | RELOCATIONS                                      | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>05</b>                            | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$397                                        | \$95          | 24.0%     | \$492          | 8.6%       | \$431                 | \$104    | \$535    | 2027Q2 | 17.5% | \$507                                                    | \$122    | \$628     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$44,229                                     | \$10,615      | 24.0%     | \$54,843       | 8.6%       | \$48,049              | \$11,532 | \$59,581 | 2037Q1 | 58.2% | \$76,010                                                 | \$18,242 | \$94,253  |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$44,626                                     | \$10,710      | 24.0%     | \$55,336       |            | \$48,481              | \$11,635 | \$60,116 |        |       | \$76,517                                                 | \$18,364 | \$94,881  |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$0                                          | \$0           | 25.0%     | \$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           | \$0           |  |  |  |  |  |  |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   |                                              |               |           |                |            |                       |          |          |        |       |                                                          |          |           |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$446                                        | \$107         | 24.0%     | \$553          | 4.0%       | \$464                 | \$111    | \$575    | 2026Q1 | 15.7% | \$537                                                    | \$129    | \$666     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Planning & Environmental Compliance              | \$446                                        | \$107         | 24.0%     | \$553          | 4.0%       | \$464                 | \$111    | \$575    | 2026Q1 | 15.7% | \$537                                                    | \$129    | \$666     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 3.0%                                 | Engineering & Design                             | \$1,339                                      | \$321         | 24.0%     | \$1,660        | 4.0%       | \$1,392               | \$334    | \$1,726  | 2026Q1 | 15.7% | \$1,610                                                  | \$386    | \$1,997   |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$446                                        | \$107         | 24.0%     | \$553          | 4.0%       | \$464                 | \$111    | \$575    | 2026Q1 | 15.7% | \$537                                                    | \$129    | \$666     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$446                                        | \$107         | 24.0%     | \$553          | 4.0%       | \$464                 | \$111    | \$575    | 2026Q1 | 15.7% | \$537                                                    | \$129    | \$666     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$669                                        | \$161         | 24.0%     | \$830          | 4.0%       | \$686                 | \$167    | \$863    | 2027Q2 | 21.0% | \$842                                                    | \$202    | \$1,045   |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$815                                        | \$196         | 24.0%     | \$1,010        | 4.0%       | \$847                 | \$203    | \$1,051  | 2027Q2 | 21.0% | \$1,026                                                  | \$246    | \$1,272   |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$446                                        | \$107         | 24.0%     | \$553          | 4.0%       | \$464                 | \$111    | \$575    | 2031Q1 | 39.2% | \$646                                                    | \$155    | \$801     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$223                                        | \$54          | 24.0%     | \$277          | 4.0%       | \$232                 | \$56     | \$288    | 2026Q1 | 15.7% | \$268                                                    | \$64     | \$333     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          |                                              |               |           |                |            |                       |          |          |        |       |                                                          |          |           |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$2,231                                      | \$536         | 24.0%     | \$2,767        | 4.0%       | \$2,320               | \$557    | \$2,877  | 2027Q2 | 21.0% | \$2,808                                                  | \$674    | \$3,482   |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$893                                        | \$214         | 24.0%     | \$1,107        | 4.0%       | \$928                 | \$223    | \$1,151  | 2027Q2 | 21.0% | \$1,123                                                  | \$270    | \$1,393   |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$466                                        | \$112         | 24.0%     | \$578          | 4.0%       | \$484                 | \$116    | \$601    | 2027Q2 | 21.0% | \$586                                                    | \$141    | \$727     |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$53,939                                     | \$12,945      |           | \$66,884       |            | \$58,166              | \$13,960 | \$72,126 |        |       | \$88,112                                                 | \$21,147 | \$109,259 |      |          |                  |               |           |                |                   |                                   |               |               |               |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon  
 PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

This Estimate reflects the scope and schedule in report;

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |          |                       |           |                                                          |           |                  | PROJECT FIRST COST<br>(Contract Data Basis) |         |        |            |          |            |        | TOTAL PROJECT COST (FULLY FUNDED) |           |                |        |              |           |            |           |            |     |            |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|----------|-----------------------|-----------|----------------------------------------------------------|-----------|------------------|---------------------------------------------|---------|--------|------------|----------|------------|--------|-----------------------------------|-----------|----------------|--------|--------------|-----------|------------|-----------|------------|-----|------------|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |          | 12-Apr-21<br>1-Oct-20 |           | Program Year (Budget EC):<br>Effective Price Level Date: |           | 2022<br>1 OCT 21 |                                             | 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                                           | L       | M      | N          | O        | P          | Q      | R                                 | S         | T              | U      | V            | W         | X          | Y         | Z          | AA  | AB         |
|                                      | <b>REACH L1</b>                                  |                                              |          |                       |           |                                                          |           |                  |                                             |         |        |            |          |            |        |                                   |           |                |        |              |           |            |           |            |     |            |
| 02                                   | RELOCATIONS                                      | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 05                                   | LOCKS                                            | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 11                                   | LEVEES & FLOODWALLS                              | \$108,144                                    | \$25,955 | 24.0%                 | \$134,099 | 7.4%                                                     | \$116,105 | \$27,865         | \$143,971                                   | 2032Q2  | 36.9%  | \$158,904  | \$38,137 | \$197,041  | 2032Q2 | 36.9%                             | \$158,904 | \$38,137       | 2032Q2 | 36.9%        | \$158,904 | \$38,137   | \$197,041 |            |     |            |
| 11                                   | LEVEES & FLOODWALLS                              | \$30,714                                     | \$7,371  | 24.0%                 | \$38,085  | 7.4%                                                     | \$32,975  | \$7,914          | \$40,889                                    | 2048Q1  | 121.3% | \$72,982   | \$17,516 | \$90,497   | 2048Q1 | 121.3%                            | \$72,982  | \$17,516       | 2048Q1 | 121.3%       | \$72,982  | \$17,516   | \$90,497  |            |     |            |
| 11                                   | LEVEES & FLOODWALLS                              | \$20,564                                     | \$4,935  | 24.0%                 | \$25,500  | 7.4%                                                     | \$22,078  | \$5,299          | \$27,377                                    | 2067Q2  | 298.4% | \$87,962   | \$21,111 | \$109,073  | 2067Q2 | 298.4%                            | \$87,962  | \$21,111       | 2067Q2 | 298.4%       | \$87,962  | \$21,111   | \$109,073 |            |     |            |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| 15                                   | RUCTURE                                          | \$30,405                                     | \$7,297  | 24.0%                 | \$37,702  | 8.6%                                                     | \$33,031  | \$7,928          | \$40,959                                    | 2025Q1  | 9.7%   | \$36,225   | \$8,694  | \$44,919   | 2025Q1 | 9.7%                              | \$36,225  | \$8,694        | 2025Q1 | 9.7%         | \$36,225  | \$8,694    | \$44,919  |            |     |            |
| 15                                   | RUCTURE                                          | \$0                                          | \$0      | 24.0%                 | \$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 | \$0        |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$189,827                                    | \$45,558 | 24.0%                 | \$235,386 |                                                          | \$204,190 | \$49,006         | \$253,195                                   |         |        | \$356,072  | \$85,457 | \$441,530  |        |                                   |           |                |        |              |           |            |           |            |     |            |
| 01                                   | LANDS AND DAMAGES                                | \$2,643                                      | \$661    | 25.0%                 | \$3,304   | 8.4%                                                     | \$2,865   | \$716            | \$3,581                                     | 2041Q2  | 80.1%  | \$5,161    | \$1,290  | \$6,451    | 2041Q2 | 80.1%                             | \$5,161   | \$1,290        | 2041Q2 | 80.1%        | \$5,161   | \$1,290    | \$6,451   |            |     |            |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   |                                              |          |                       |           |                                                          |           |                  |                                             |         |        |            |          |            |        |                                   |           |                |        |              |           |            |           |            |     |            |
| 1.0%                                 | Project Management                               | \$1,898                                      | \$456    | 24.0%                 | \$2,354   | 4.0%                                                     | \$1,974   | \$474            | \$2,448                                     | 2028Q1  | 24.5%  | \$2,457    | \$590    | \$3,047    | 2028Q1 | 24.5%                             | \$2,457   | \$590          | 2028Q1 | 24.5%        | \$2,457   | \$590      | \$3,047   |            |     |            |
| 1.0%                                 | Planning & Environmental Compliance              | \$1,898                                      | \$456    | 24.0%                 | \$2,354   | 4.0%                                                     | \$1,974   | \$474            | \$2,448                                     | 2028Q1  | 24.5%  | \$2,457    | \$590    | \$3,047    | 2028Q1 | 24.5%                             | \$2,457   | \$590          | 2028Q1 | 24.5%        | \$2,457   | \$590      | \$3,047   |            |     |            |
| 3.0%                                 | Engineering & Design                             | \$5,695                                      | \$1,367  | 24.0%                 | \$7,062   | 4.0%                                                     | \$5,922   | \$1,421          | \$7,344                                     | 2028Q1  | 24.5%  | \$7,372    | \$1,769  | \$9,141    | 2028Q1 | 24.5%                             | \$7,372   | \$1,769        | 2028Q1 | 24.5%        | \$7,372   | \$1,769    | \$9,141   |            |     |            |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                         | \$1,898                                      | \$456    | 24.0%                 | \$2,354   | 4.0%                                                     | \$1,974   | \$474            | \$2,448                                     | 2028Q1  | 24.5%  | \$2,457    | \$590    | \$3,047    | 2028Q1 | 24.5%                             | \$2,457   | \$590          | 2028Q1 | 24.5%        | \$2,457   | \$590      | \$3,047   |            |     |            |
| 1.0%                                 | Contracting & Reprographics                      | \$1,898                                      | \$456    | 24.0%                 | \$2,354   | 4.0%                                                     | \$1,974   | \$474            | \$2,448                                     | 2028Q1  | 24.5%  | \$2,457    | \$590    | \$3,047    | 2028Q1 | 24.5%                             | \$2,457   | \$590          | 2028Q1 | 24.5%        | \$2,457   | \$590      | \$3,047   |            |     |            |
| 1.5%                                 | Engineering During Construction                  | \$2,847                                      | \$683    | 24.0%                 | \$3,531   | 4.0%                                                     | \$2,961   | \$711            | \$3,672                                     | 2029Q1  | 29.2%  | \$3,826    | \$918    | \$4,744    | 2029Q1 | 29.2%                             | \$3,826   | \$918          | 2029Q1 | 29.2%        | \$3,826   | \$918      | \$4,744   |            |     |            |
| 1.8%                                 | Planning During Construction                     | \$3,466                                      | \$832    | 24.0%                 | \$4,298   | 4.0%                                                     | \$3,605   | \$865            | \$4,470                                     | 2029Q1  | 29.2%  | \$4,658    | \$1,118  | \$5,775    | 2029Q1 | 29.2%                             | \$4,658   | \$1,118        | 2029Q1 | 29.2%        | \$4,658   | \$1,118    | \$5,775   |            |     |            |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$1,898                                      | \$456    | 24.0%                 | \$2,354   | 4.0%                                                     | \$1,974   | \$474            | \$2,448                                     | 2033Q1  | 50.2%  | \$2,966    | \$712    | \$3,678    | 2033Q1 | 50.2%                             | \$2,966   | \$712          | 2033Q1 | 50.2%        | \$2,966   | \$712      | \$3,678   |            |     |            |
| 0.5%                                 | Project Operations                               | \$949                                        | \$228    | 24.0%                 | \$1,177   | 4.0%                                                     | \$987     | \$237            | \$1,224                                     | 2028Q1  | 24.5%  | \$1,229    | \$295    | \$1,524    | 2028Q1 | 24.5%                             | \$1,229   | \$295          | 2028Q1 | 24.5%        | \$1,229   | \$295      | \$1,524   |            |     |            |
| 31                                   | CONSTRUCTION MANAGEMENT                          |                                              |          |                       |           |                                                          |           |                  |                                             |         |        |            |          |            |        |                                   |           |                |        |              |           |            |           |            |     |            |
| 5.0%                                 | Construction Management                          | \$9,491                                      | \$2,278  | 24.0%                 | \$11,769  | 4.0%                                                     | \$9,870   | \$2,369          | \$12,239                                    | 2029Q1  | 29.2%  | \$12,753   | \$3,061  | \$15,814   | 2029Q1 | 29.2%                             | \$12,753  | \$3,061        | 2029Q1 | 29.2%        | \$12,753  | \$3,061    | \$15,814  |            |     |            |
| 2.0%                                 | Project Operation:                               | \$3,797                                      | \$911    | 24.0%                 | \$4,708   | 4.0%                                                     | \$3,948   | \$948            | \$4,896                                     | 2029Q1  | 29.2%  | \$5,101    | \$1,224  | \$6,326    | 2029Q1 | 29.2%                             | \$5,101   | \$1,224        | 2029Q1 | 29.2%        | \$5,101   | \$1,224    | \$6,326   |            |     |            |
| 1.0%                                 | Project Management                               | \$1,982                                      | \$476    | 24.0%                 | \$2,457   | 4.0%                                                     | \$2,061   | \$495            | \$2,556                                     | 2029Q1  | 29.2%  | \$2,663    | \$639    | \$3,302    | 2029Q1 | 29.2%                             | \$2,663   | \$639          | 2029Q1 | 29.2%        | \$2,663   | \$639      | \$3,302   |            |     |            |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$232,087                                    | \$55,727 |                       | \$287,815 |                                                          | \$248,254 | \$59,610         | \$307,863                                   |         |        | \$414,087  | \$99,433 | \$513,520  |        |                                   |           |                |        |              |           |            |           |            |     |            |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

This Estimate reflects the scope and schedule in report;

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST<br>12-Apr-21<br>1-Oct-20 |         |            |          |          |          |             |          |         |          | PROJECT FIRST COST<br>(Contract Dollars Basis) |          |            |       |             |         |                |       |              |         | TOTAL PROJECT COST (FULLY FUNDED) |   |            |   |             |    |    |  |  |  |
|--------------------------------------|--------------------------------------------------|-----------------------------------------|---------|------------|----------|----------|----------|-------------|----------|---------|----------|------------------------------------------------|----------|------------|-------|-------------|---------|----------------|-------|--------------|---------|-----------------------------------|---|------------|---|-------------|----|----|--|--|--|
|                                      |                                                  | COST (\$K)                              |         | CNTG (\$K) |          | CNTG (%) |          | TOTAL (\$K) |          | ESC (%) |          | COST (\$K)                                     |          | CNTG (\$K) |       | TOTAL (\$K) |         | Mid-Point Date |       | INFLATED (%) |         | COST (\$K)                        |   | CNTG (\$K) |   | TOTAL (\$K) |    |    |  |  |  |
|                                      |                                                  | C                                       | D       | E          | F        | G        | H        | I           | J        | K       | L        | M                                              | N        | O          | P     | Q           | R       | S              | T     | U            | V       | W                                 | X | Y          | Z | AA          | AB | AC |  |  |  |
| 02                                   | RELOCATIONS                                      | \$1,703                                 | \$409   | 24.0%      | \$2,112  | 7.1%     | \$1,824  | \$438       | \$2,261  | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 2032Q2         | 36.9% | \$2,496      | \$599   | \$3,095                           |   |            |   |             |    |    |  |  |  |
| 05                                   | LOCKS                                            | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$16,468                                | \$3,952 | 24.0%      | \$20,420 | 7.4%     | \$17,680 | \$4,243     | \$21,924 | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 2035Q1         | 48.8% | \$26,312     | \$6,315 | \$32,627                          |   |            |   |             |    |    |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 15                                   | RUCTURE                                          | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 15                                   | RUCTURE                                          | \$0                                     | \$0     | 24.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$18,171                                | \$4,361 | 24.0%      | \$22,532 |          | \$19,504 | \$4,681     | \$24,185 |         | \$0      | \$0                                            | \$0      | \$0        |       | \$0         | \$0     | 0              |       | \$28,808     | \$6,914 | \$35,722                          |   |            |   |             |    |    |  |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$0                                     | \$0     | 25.0%      | \$0      | 0.0%     | \$0      | \$0         | \$0      | 0.0%    | \$0      | \$0                                            | \$0      | \$0        | 0.0%  | \$0         | \$0     | 0              | 0.0%  | \$0          | \$0     | \$0                               |   |            |   |             |    |    |  |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 50.2% | \$284       | \$68    | 2033Q1         | 50.2% | \$284        | \$68    | \$352                             |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Project Management                               | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 50.2% | \$284       | \$68    | 2033Q1         | 50.2% | \$284        | \$68    | \$352                             |   |            |   |             |    |    |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$545                                   | \$131   | 24.0%      | \$676    | 4.0%     | \$567    | \$136       | \$703    | 4.0%    | \$567    | \$136                                          | \$703    | \$703      | 50.2% | \$852       | \$204   | 2033Q1         | 50.2% | \$852        | \$204   | \$1,056                           |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 50.2% | \$284       | \$68    | 2033Q1         | 50.2% | \$284        | \$68    | \$352                             |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                         | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 50.2% | \$284       | \$68    | 2033Q1         | 50.2% | \$284        | \$68    | \$352                             |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 50.2% | \$284       | \$68    | 2033Q1         | 50.2% | \$284        | \$68    | \$352                             |   |            |   |             |    |    |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$273                                   | \$65    | 24.0%      | \$338    | 4.0%     | \$283    | \$68        | \$351    | 4.0%    | \$283    | \$68                                           | \$351    | \$351      | 56.1% | \$442       | \$106   | 2034Q1         | 56.1% | \$442        | \$106   | \$549                             |   |            |   |             |    |    |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$332                                   | \$80    | 24.0%      | \$411    | 4.0%     | \$345    | \$83        | \$428    | 4.0%    | \$345    | \$83                                           | \$428    | \$428      | 56.1% | \$539       | \$129   | 2034Q1         | 56.1% | \$539        | \$129   | \$668                             |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$182                                   | \$44    | 24.0%      | \$225    | 4.0%     | \$189    | \$45        | \$234    | 4.0%    | \$189    | \$45                                           | \$234    | \$234      | 82.4% | \$345       | \$83    | 2038Q1         | 82.4% | \$345        | \$83    | \$427                             |   |            |   |             |    |    |  |  |  |
| 0.5%                                 | Project Operations                               | \$91                                    | \$22    | 24.0%      | \$113    | 4.0%     | \$94     | \$23        | \$117    | 4.0%    | \$94     | \$23                                           | \$117    | \$117      | 50.2% | \$142       | \$34    | 2033Q1         | 50.2% | \$142        | \$34    | \$176                             |   |            |   |             |    |    |  |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          | \$909                                   | \$218   | 24.0%      | \$1,127  | 4.0%     | \$945    | \$227       | \$1,172  | 4.0%    | \$945    | \$227                                          | \$1,172  | \$1,172    | 56.1% | \$1,475     | \$354   | 2034Q1         | 56.1% | \$1,475      | \$354   | \$1,829                           |   |            |   |             |    |    |  |  |  |
| 5.0%                                 | Construction Management                          | \$363                                   | \$87    | 24.0%      | \$451    | 4.0%     | \$378    | \$91        | \$469    | 4.0%    | \$378    | \$91                                           | \$469    | \$469      | 56.1% | \$590       | \$142   | 2034Q1         | 56.1% | \$590        | \$142   | \$732                             |   |            |   |             |    |    |  |  |  |
| 2.0%                                 | Project Operation:                               | \$190                                   | \$46    | 24.0%      | \$235    | 4.0%     | \$197    | \$47        | \$245    | 4.0%    | \$197    | \$47                                           | \$245    | \$245      | 56.1% | \$308       | \$74    | 2034Q1         | 56.1% | \$308        | \$74    | \$382                             |   |            |   |             |    |    |  |  |  |
| 1.0%                                 | Project Management                               | \$21,963                                | \$5,271 |            | \$27,234 |          | \$23,448 | \$5,627     | \$29,075 |         | \$23,448 | \$5,627                                        | \$29,075 | \$29,075   |       | \$34,920    | \$8,381 |                |       | \$34,920     | \$8,381 | \$43,301                          |   |            |   |             |    |    |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$21,963                                | \$5,271 |            | \$27,234 |          | \$23,448 | \$5,627     | \$29,075 |         | \$23,448 | \$5,627                                        | \$29,075 | \$29,075   |       | \$34,920    | \$8,381 |                |       | \$34,920     | \$8,381 | \$43,301                          |   |            |   |             |    |    |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PROGRAM YEAR (Budget ECY): 2022  
EFFECTIVE PRICE LEVEL DATE: 1 OCT 21

PREPARED: 4/12/2021

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |          |                |            |                       |               |           |                |            | PROJECT FIRST COST<br>(Contract Dollar Basis)             |            |            |               |               |                  |                |            |            |            | TOTAL PROJECT COST (FULLY FUNDED) |  |  |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|----------|----------------|------------|-----------------------|---------------|-----------|----------------|------------|-----------------------------------------------------------|------------|------------|---------------|---------------|------------------|----------------|------------|------------|------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |          |                |            | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget ECY):<br>Effective Price Level Date: |            |            |               |               | 2022<br>1 OCT 21 |                |            |            |            | FULLY FUNDED PROJECT ESTIMATE     |  |  |  |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | E<br>(%) | TOTAL<br>(\$K) | F<br>(\$K) | COST<br>(\$K)         | CNTG<br>(\$K) | G<br>(%)  | TOTAL<br>(\$K) | H<br>(\$K) | I<br>(\$K)                                                | J<br>(\$K) | ESC<br>(%) | COST<br>(\$K) | CNTG<br>(\$K) | K<br>(%)         | TOTAL<br>(\$K) | L<br>(\$K) | M<br>(\$K) | N<br>(\$K) | O<br>(\$K)                        |  |  |  |  |  |  |  |  |  |
| <b>02</b>                            | RELOCATIONS                                      | \$43,688                                     | \$10,485      | 24.0%    | \$54,173       | \$46,781   | \$11,228              | 7.1%          | \$58,009  | \$46,781       | \$11,228   | \$58,009                                                  | 0.8%       | \$47,138   | \$11,313      | 0.8%          | \$58,451         |                | \$47,138   | \$11,313   | \$58,451   |                                   |  |  |  |  |  |  |  |  |  |
| <b>05</b>                            | LOCKS                                            | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>11</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$29,430                                     | \$7,063       | 24.0%    | \$36,494       | \$31,973   | \$7,673               | 8.6%          | \$39,646  | \$31,973       | \$7,673    | \$39,646                                                  | 3.2%       | \$32,987   | \$7,917       | 3.2%          | \$40,904         |                | \$32,987   | \$7,917    | \$40,904   |                                   |  |  |  |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0           | 24.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$73,118                                     | \$17,548      | 24.0%    | \$90,666       | \$78,754   | \$18,901              |               | \$97,655  | \$78,754       | \$18,901   | \$97,655                                                  |            | \$80,125   | \$19,230      |               | \$99,356         |                | \$80,125   | \$19,230   | \$99,356   |                                   |  |  |  |  |  |  |  |  |  |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$0                                          | \$0           | 25.0%    | \$0            | \$0        | 0.0%                  | \$0           | \$0       | \$0            | \$0        | 0.0%                                                      | \$0        | \$0        | 0.0%          | \$0           | \$0              | \$0            | \$0        | \$0        | \$0        |                                   |  |  |  |  |  |  |  |  |  |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   |                                              |               |          |                |            |                       |               |           |                |            |                                                           |            |            |               |               |                  |                |            |            |            |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$731                                        | \$175         | 24.0%    | \$907          | \$760      | \$182                 | 4.0%          | \$943     | \$760          | \$182      | \$943                                                     | 0.0%       | \$760      | \$182         | 0.0%          | \$943            |                | \$760      | \$182      | \$943      |                                   |  |  |  |  |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$731                                        | \$175         | 24.0%    | \$907          | \$760      | \$182                 | 4.0%          | \$943     | \$760          | \$182      | \$943                                                     | 0.0%       | \$760      | \$182         | 0.0%          | \$943            |                | \$760      | \$182      | \$943      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$2,194                                      | \$526         | 24.0%    | \$2,720        | \$2,281    | \$547                 | 4.0%          | \$2,829   | \$2,281        | \$547      | \$2,829                                                   | 0.0%       | \$2,281    | \$547         | 0.0%          | \$2,829          |                | \$2,281    | \$547      | \$2,829    |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                         | \$731                                        | \$175         | 24.0%    | \$907          | \$760      | \$182                 | 4.0%          | \$943     | \$760          | \$182      | \$943                                                     | 0.0%       | \$760      | \$182         | 0.0%          | \$943            |                | \$760      | \$182      | \$943      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$731                                        | \$175         | 24.0%    | \$907          | \$760      | \$182                 | 4.0%          | \$943     | \$760          | \$182      | \$943                                                     | 0.0%       | \$760      | \$182         | 0.0%          | \$943            |                | \$760      | \$182      | \$943      |                                   |  |  |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$1,097                                      | \$263         | 24.0%    | \$1,360        | \$1,141    | \$274                 | 4.0%          | \$1,414   | \$1,141        | \$274      | \$1,414                                                   | 0.9%       | \$1,151    | \$276         | 0.9%          | \$1,427          |                | \$1,151    | \$276      | \$1,427    |                                   |  |  |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$1,335                                      | \$320         | 24.0%    | \$1,656        | \$1,388    | \$333                 | 4.0%          | \$1,722   | \$1,388        | \$333      | \$1,722                                                   | 0.9%       | \$1,401    | \$336         | 0.9%          | \$1,738          |                | \$1,401    | \$336      | \$1,738    |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$731                                        | \$175         | 24.0%    | \$907          | \$760      | \$182                 | 4.0%          | \$943     | \$760          | \$182      | \$943                                                     | 19.9%      | \$912      | \$219         | 19.9%         | \$1,131          |                | \$912      | \$219      | \$1,131    |                                   |  |  |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$366                                        | \$88          | 24.0%    | \$453          | \$380      | \$91                  | 4.0%          | \$471     | \$380          | \$91       | \$471                                                     | 0.0%       | \$380      | \$91          | 0.0%          | \$471            |                | \$380      | \$91       | \$471      |                                   |  |  |  |  |  |  |  |  |  |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          |                                              |               |          |                |            |                       |               |           |                |            |                                                           |            |            |               |               |                  |                |            |            |            |                                   |  |  |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$3,656                                      | \$877         | 24.0%    | \$4,533        | \$3,802    | \$912                 | 4.0%          | \$4,714   | \$3,802        | \$912      | \$4,714                                                   | 0.9%       | \$3,837    | \$921         | 0.9%          | \$4,758          |                | \$3,837    | \$921      | \$4,758    |                                   |  |  |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$1,462                                      | \$351         | 24.0%    | \$1,813        | \$1,521    | \$365                 | 4.0%          | \$1,886   | \$1,521        | \$365      | \$1,886                                                   | 0.9%       | \$1,535    | \$368         | 0.9%          | \$1,903          |                | \$1,535    | \$368      | \$1,903    |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$763                                        | \$183         | 24.0%    | \$947          | \$794      | \$191                 | 4.0%          | \$984     | \$794          | \$191      | \$984                                                     | 0.9%       | \$801      | \$192         | 0.9%          | \$993            |                | \$801      | \$192      | \$993      |                                   |  |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$88,378                                     | \$21,211      |          | \$109,589      | \$94,623   | \$22,710              |               | \$117,333 | \$94,623       | \$22,710   | \$117,333                                                 |            | \$96,226   | \$23,094      |               | \$119,320        |                | \$96,226   | \$23,094   | \$119,320  |                                   |  |  |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report:  
 DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon  
 PREPARED: 4/12/2021  
 Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |               |           |                |            | PROJECT FIRST COST<br>(Associated Budget-Basis)          |               |               |           |                |                  |                   |               |               |               | TOTAL PROJECT COST (FULLY FUNDED) |               |           |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|---------------|-----------|----------------|------------|----------------------------------------------------------|---------------|---------------|-----------|----------------|------------------|-------------------|---------------|---------------|---------------|-----------------------------------|---------------|-----------|--|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |               |           |                | 2022<br>1 OCT 21 |                   |               |               |               | FULLY FUNDED PROJECT ESTIMATE     |               |           |  |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | ESC<br>%                                                 | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>%       | Mid-Point<br>Date | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>%                         | FULL<br>(\$K) | FULL<br>% |  |  |  |  |  |  |  |
| A                                    | REACH J-1                                        | \$17,572                                     | \$4,217       | 24.0%     | \$21,789       | 24.0%      | \$4,516               | \$23,332      | 24.0%     | 7.1%           | \$18,816   | \$4,516                                                  | \$23,332      | 2025Q2        | 10.5%     | \$20,797       | \$4,991          | 2025Q2            | \$20,797      | \$4,991       |               | \$25,789                          |               |           |  |  |  |  |  |  |  |
| 02                                   | RELOCATIONS                                      | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 05                                   | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$124,785                                    | \$29,948      | 24.0%     | \$154,733      | 24.0%      | \$32,153              | \$186,124     | 7.4%      | 7.4%           | \$133,971  | \$32,153                                                 | \$166,124     | 2027Q1        | 16.6%     | \$156,174      | \$37,482         | 2027Q1            | \$156,174     | \$37,482      |               | \$193,655                         |               |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$56,249                                     | \$13,500      | 24.0%     | \$69,748       | 24.0%      | \$14,494              | \$74,883      | 7.4%      | 7.4%           | \$60,390   | \$14,494                                                 | \$74,883      | 2048Q1        | 121.3%    | \$133,657      | \$32,078         | 2048Q1            | \$133,657     | \$32,078      |               | \$165,734                         |               |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$33,288                                     | \$7,989       | 24.0%     | \$41,277       | 24.0%      | \$8,577               | \$44,315      | 7.4%      | 7.4%           | \$35,738   | \$8,577                                                  | \$44,315      | 2069Q1        | 320.2%    | \$150,174      | \$36,042         | 2069Q1            | \$150,174     | \$36,042      |               | \$186,215                         |               |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 24.0%      | \$0                   | \$0           | 0.0%      | 0.0%           | \$0        | \$0                                                      | \$0           | 0             | 0.0%      | \$0            | \$0              | 0                 | \$0           | \$0           |               | \$0                               |               |           |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$231,894                                    | \$55,654      | 24.0%     | \$287,548      | 24.0%      | \$59,740              | \$308,655     |           |                | \$248,915  | \$59,740                                                 | \$308,655     |               |           | \$460,801      | \$110,592        |                   | \$460,801     | \$110,592     |               | \$571,394                         |               |           |  |  |  |  |  |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$2,488                                      | \$622         | 25.0%     | \$3,110        | 25.0%      | \$674                 | \$3,371       |           |                | \$2,697    | \$674                                                    | \$3,371       | 2042Q2        | 85.7%     | \$5,009        | \$1,252          |                   | \$5,009       | \$1,252       |               | \$6,261                           |               |           |  |  |  |  |  |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2024Q1        | 7.6%      | \$2,594        | \$623            |                   | \$2,594       | \$623         |               | \$3,216                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2024Q1        | 7.6%      | \$2,594        | \$623            |                   | \$2,594       | \$623         |               | \$3,216                           |               |           |  |  |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$6,957                                      | \$1,670       | 24.0%     | \$8,626        | 24.0%      | \$1,736               | \$8,971       |           |                | \$7,235    | \$1,736                                                  | \$8,971       | 2024Q1        | 7.6%      | \$7,782        | \$1,868          |                   | \$7,782       | \$1,868       |               | \$9,649                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2024Q1        | 7.6%      | \$2,594        | \$623            |                   | \$2,594       | \$623         |               | \$3,216                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2024Q1        | 7.6%      | \$2,594        | \$623            |                   | \$2,594       | \$623         |               | \$3,216                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2024Q1        | 7.6%      | \$2,594        | \$623            |                   | \$2,594       | \$623         |               | \$3,216                           |               |           |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$3,478                                      | \$835         | 24.0%     | \$4,313        | 24.0%      | \$868                 | \$4,485       |           |                | \$3,617    | \$868                                                    | \$4,485       | 2026Q1        | 15.7%     | \$4,184        | \$1,004          |                   | \$4,184       | \$1,004       |               | \$5,188                           |               |           |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$4,234                                      | \$1,016       | 24.0%     | \$5,251        | 24.0%      | \$1,057               | \$5,460       |           |                | \$4,403    | \$1,057                                                  | \$5,460       | 2026Q1        | 15.7%     | \$5,093        | \$1,222          |                   | \$5,093       | \$1,222       |               | \$6,316                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$2,319                                      | \$557         | 24.0%     | \$2,875        | 24.0%      | \$579                 | \$2,990       |           |                | \$2,412    | \$579                                                    | \$2,990       | 2029Q1        | 29.2%     | \$3,116        | \$748            |                   | \$3,116       | \$748         |               | \$3,864                           |               |           |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$1,159                                      | \$278         | 24.0%     | \$1,438        | 24.0%      | \$289                 | \$1,495       |           |                | \$1,206    | \$289                                                    | \$1,495       | 2024Q1        | 7.6%      | \$1,297        | \$311            |                   | \$1,297       | \$311         |               | \$1,608                           |               |           |  |  |  |  |  |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          | \$11,595                                     | \$2,783       | 24.0%     | \$14,377       | 24.0%      | \$2,894               | \$14,952      |           |                | \$12,058   | \$2,894                                                  | \$14,952      | 2026Q1        | 15.7%     | \$13,947       | \$3,347          |                   | \$13,947      | \$3,347       |               | \$17,294                          |               |           |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$4,638                                      | \$1,113       | 24.0%     | \$5,751        | 24.0%      | \$1,158               | \$5,981       |           |                | \$4,823    | \$1,158                                                  | \$5,981       | 2026Q1        | 15.7%     | \$5,579        | \$1,339          |                   | \$5,579       | \$1,339       |               | \$6,918                           |               |           |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$2,421                                      | \$581         | 24.0%     | \$3,002        | 24.0%      | \$604                 | \$3,122       |           |                | \$2,518    | \$604                                                    | \$3,122       | 2026Q1        | 15.7%     | \$2,912        | \$699            |                   | \$2,912       | \$699         |               | \$3,611                           |               |           |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$282,778                                    | \$67,892      |           | \$350,669      |            | \$301,941             | \$72,493      |           |                | \$301,941  | \$72,493                                                 | \$374,434     |               |           | \$522,690      | \$125,496        |                   | \$522,690     | \$125,496     |               | \$648,185                         |               |           |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$282,778                                    | \$67,892      |           | \$350,669      |            | \$301,941             | \$72,493      |           |                | \$301,941  | \$72,493                                                 | \$374,434     |               |           | \$522,690      | \$125,496        |                   | \$522,690     | \$125,496     |               | \$648,185                         |               |           |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |          |           |        |       | PROJECT FIRST COST<br><small>(Assessing Budget-Basis)</small> |          |           |   |   |                  |               |               |           |                | TOTAL PROJECT COST (FULLY FUNDED) |               |               |               |               |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|----------|-----------|--------|-------|---------------------------------------------------------------|----------|-----------|---|---|------------------|---------------|---------------|-----------|----------------|-----------------------------------|---------------|---------------|---------------|---------------|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |          |           |        |       | Program Year (Budget EC):<br>Effective Price Level Date:      |          |           |   |   | 2022<br>1 OCT 21 |               |               |           |                | FULLY FUNDED PROJECT ESTIMATE     |               |               |               |               |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | G                     | H        | I         | J      | P     | Date                                                          | L        | M         | N | O | ESC<br>%         | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>%                        | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K) | FULL<br>(\$K) |  |  |  |  |  |
| <b>A</b>                             | <b>REACH J-2</b>                                 |                                              |               |           |                |            |                       |          |           |        |       |                                                               |          |           |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>02</b>                            | RELOCATIONS                                      | \$50,379                                     | \$12,091      | 24.0%     | \$62,469       | 7.1%       | \$53,946              | \$12,947 | \$66,893  | 2029Q2 | 24.9% | \$67,370                                                      | \$16,169 | \$83,539  |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>05</b>                            | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$39,072                                     | \$9,377       | 24.0%     | \$48,450       | 8.6%       | \$42,448              | \$10,187 | \$52,635  | 2033Q1 | 40.0% | \$59,430                                                      | \$14,263 | \$73,693  |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$89,451                                     | \$21,468      | 24.0%     | \$110,919      |            | \$96,394              | \$23,135 | \$119,528 |        |       | \$126,800                                                     | \$30,432 | \$157,231 |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$0                                          | \$0           | 25.0%     | \$0            | 0.0%       | \$0                   | \$0      | \$0       | 0      | 0.0%  | \$0                                                           | \$0      | \$0       |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   |                                              |               |           |                |            |                       |          |           |        |       |                                                               |          |           |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$895                                        | \$215         | 24.0%     | \$1,109        | 4.0%       | \$930                 | \$223    | \$1,153   | 2031Q1 | 39.2% | \$1,295                                                       | \$311    | \$1,606   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Planning & Environmental Compliance              | \$895                                        | \$215         | 24.0%     | \$1,109        | 4.0%       | \$930                 | \$223    | \$1,153   | 2031Q1 | 39.2% | \$1,295                                                       | \$311    | \$1,606   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 3.0%                                 | Engineering & Design                             | \$2,684                                      | \$644         | 24.0%     | \$3,328        | 4.0%       | \$2,791               | \$670    | \$3,460   | 2031Q1 | 39.2% | \$3,885                                                       | \$932    | \$4,817   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$895                                        | \$215         | 24.0%     | \$1,109        | 4.0%       | \$930                 | \$223    | \$1,153   | 2031Q1 | 39.2% | \$1,295                                                       | \$311    | \$1,606   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$895                                        | \$215         | 24.0%     | \$1,109        | 4.0%       | \$930                 | \$223    | \$1,153   | 2031Q1 | 39.2% | \$1,295                                                       | \$311    | \$1,606   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$1,342                                      | \$322         | 24.0%     | \$1,664        | 4.0%       | \$1,395               | \$335    | \$1,730   | 2033Q1 | 50.2% | \$2,096                                                       | \$503    | \$2,600   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$1,633                                      | \$392         | 24.0%     | \$2,025        | 4.0%       | \$1,699               | \$408    | \$2,106   | 2033Q1 | 50.2% | \$2,552                                                       | \$613    | \$3,165   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$895                                        | \$215         | 24.0%     | \$1,109        | 4.0%       | \$930                 | \$223    | \$1,153   | 2036Q1 | 68.6% | \$1,569                                                       | \$377    | \$1,945   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$447                                        | \$107         | 24.0%     | \$555          | 4.0%       | \$465                 | \$112    | \$577     | 2031Q1 | 39.2% | \$648                                                         | \$155    | \$803     |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          |                                              |               |           |                |            |                       |          |           |        |       |                                                               |          |           |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$4,473                                      | \$1,073       | 24.0%     | \$5,546        | 4.0%       | \$4,651               | \$1,116  | \$5,767   | 2033Q1 | 50.2% | \$6,988                                                       | \$1,677  | \$8,666   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$1,789                                      | \$429         | 24.0%     | \$2,218        | 4.0%       | \$1,860               | \$447    | \$2,307   | 2033Q1 | 50.2% | \$2,795                                                       | \$671    | \$3,466   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$934                                        | \$224         | 24.0%     | \$1,158        | 4.0%       | \$971                 | \$233    | \$1,204   | 2033Q1 | 50.2% | \$1,459                                                       | \$350    | \$1,809   |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$108,119                                    | \$25,949      |           | \$134,068      |            | \$115,808             | \$27,794 | \$143,602 |        |       | \$155,267                                                     | \$37,264 | \$192,532 |   |   |                  |               |               |           |                |                                   |               |               |               |               |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |               |           |                |            | PROJECT FIRST COST<br><small>(Assessments/Order/Boat)</small> |               |           |                |            |                   |               |               |               |           | TOTAL PROJECT COST (FULLY FUNDED) |           |  |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|---------------|-----------|----------------|------------|---------------------------------------------------------------|---------------|-----------|----------------|------------|-------------------|---------------|---------------|---------------|-----------|-----------------------------------|-----------|--|--|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget EC):<br>Effective Price Level Date:      |               |           |                |            | 2022<br>1 OCT 21  |               |               |               |           | FULLY FUNDED PROJECT ESTIMATE     |           |  |  |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | COST<br>(\$K)                                                 | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | Mid-Point<br>Date | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | FULL<br>(\$K)                     | FULL<br>% |  |  |  |  |  |  |  |  |
| A                                    | REACH J-3                                        | \$6,621                                      | \$1,589       | 24.0%     | \$8,210        | 7.1%       | \$7,090               | \$1,702       | \$8,791   | 2026Q2         | 14.0%      | \$8,079                                                       | \$1,939       | \$10,018  | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               | \$0       |  |  |  |  |  |  |  |  |
| 02                                   | RELOCATIONS                                      | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 05                                   | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$19,827                                     | \$4,758       | 24.0%     | \$24,585       | 7.4%       | \$21,286              | \$5,109       | \$26,395  | 2029Q1         | 23.9%      | \$26,376                                                      | \$6,330       | \$32,706  | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$324                                        | \$78          | 24.0%     | \$402          | 8.6%       | \$352                 | \$85          | \$437     | 2025Q2         | 10.5%      | \$389                                                         | \$93          | \$483     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$28,834                                     | \$6,920       | 24.0%     | \$35,754       | 8.6%       | \$31,325              | \$7,518       | \$38,843  | 2037Q1         | 58.2%      | \$49,554                                                      | \$11,893      | \$61,447  | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$55,606                                     | \$13,345      | 24.0%     | \$68,952       |            | \$60,054              | \$14,413      | \$74,466  |                |            | \$84,398                                                      | \$20,256      | \$104,654 |                |            | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$0                                          | \$0           | 25.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0              | 0.0%       | \$0                                                           | \$0           | \$0       | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2024Q1         | 7.6%       | \$622                                                         | \$149         | \$771     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2024Q1         | 7.6%       | \$622                                                         | \$149         | \$771     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$1,668                                      | \$400         | 24.0%     | \$2,069        | 4.0%       | \$1,735               | \$416         | \$2,151   | 2024Q1         | 7.6%       | \$1,866                                                       | \$448         | \$2,314   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2024Q1         | 7.6%       | \$622                                                         | \$149         | \$771     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2024Q1         | 7.6%       | \$622                                                         | \$149         | \$771     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2024Q1         | 7.6%       | \$622                                                         | \$149         | \$771     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$834                                        | \$200         | 24.0%     | \$1,034        | 4.0%       | \$867                 | \$208         | \$1,076   | 2025Q1         | 11.5%      | \$968                                                         | \$232         | \$1,200   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$1,015                                      | \$244         | 24.0%     | \$1,259        | 4.0%       | \$1,056               | \$253         | \$1,309   | 2025Q1         | 11.5%      | \$1,178                                                       | \$283         | \$1,460   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$556                                        | \$133         | 24.0%     | \$690          | 4.0%       | \$578                 | \$139         | \$717     | 2029Q1         | 29.2%      | \$747                                                         | \$179         | \$926     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$278                                        | \$67          | 24.0%     | \$345          | 4.0%       | \$289                 | \$69          | \$359     | 2024Q1         | 7.6%       | \$311                                                         | \$75          | \$386     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          | \$2,780                                      | \$667         | 24.0%     | \$3,448        | 4.0%       | \$2,891               | \$694         | \$3,585   | 2025Q1         | 11.5%      | \$3,225                                                       | \$774         | \$3,999   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$2,780                                      | \$667         | 24.0%     | \$3,448        | 4.0%       | \$2,891               | \$694         | \$3,585   | 2025Q1         | 11.5%      | \$3,225                                                       | \$774         | \$3,999   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$1,112                                      | \$267         | 24.0%     | \$1,379        | 4.0%       | \$1,157               | \$278         | \$1,434   | 2025Q1         | 11.5%      | \$1,290                                                       | \$310         | \$1,600   | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$581                                        | \$139         | 24.0%     | \$720          | 4.0%       | \$604                 | \$145         | \$749     | 2025Q1         | 11.5%      | \$673                                                         | \$162         | \$835     | 0              | 0.0%       | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$67,211                                     | \$16,131      |           | \$83,342       |            | \$72,122              | \$17,309      | \$89,431  |                |            | \$97,766                                                      | \$23,464      | \$121,230 |                |            | \$0               | \$0           | \$0           | \$0           | \$0       | \$0                               |           |  |  |  |  |  |  |  |  |

\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*  
\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

PREPARED: 4/12/2021

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |          |                       |               |               |                                                          |                |          |                  |               | PROJECT FIRST COST |                |           |               |               |               |          |               |               |               |          | TOTAL PROJECT COST (FULLY FUNDED) |  |      |  |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|----------|-----------------------|---------------|---------------|----------------------------------------------------------|----------------|----------|------------------|---------------|--------------------|----------------|-----------|---------------|---------------|---------------|----------|---------------|---------------|---------------|----------|-----------------------------------|--|------|--|--|--|--|--|--|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |          | 12-Apr-21<br>1-Oct-20 |               |               | Program Year (Budget EC):<br>Effective Price Level Date: |                |          | 2022<br>1 OCT 21 |               |                    | Mid-Point      |           |               | INFLATED      |               |          | COST          |               |               | CNTG     |                                   |  | FULL |  |  |  |  |  |  |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | NTG<br>% | TOTAL<br>(\$K)        | COST<br>(\$K) | CNTG<br>(\$K) | NTG<br>%                                                 | TOTAL<br>(\$K) | ESC<br>% | COST<br>(\$K)    | CNTG<br>(\$K) | NTG<br>%           | TOTAL<br>(\$K) | Date<br>P | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K) | NTG<br>% | Full<br>(\$K) | COST<br>(\$K) | CNTG<br>(\$K) | NTG<br>% | Full<br>(\$K)                     |  |      |  |  |  |  |  |  |  |  |
| <b>A</b>                             | <b>REACH K</b>                                   |                                              |               |          |                       |               |               |                                                          |                |          |                  |               |                    |                |           |               |               |               |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>02</b>                            | RELOCATIONS                                      | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>05</b>                            | LOCKS                                            | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>06</b>                            | FISH & WILDLIFE FACILITIES                       | \$20,031                                     | \$4,808       | 24.0%    | \$24,839              | \$21,762      | \$5,223       | 24.0%                                                    | \$26,985       | 8.6%     | \$21,762         | \$5,223       | \$26,985           | 2040Q2         | 74.7%     | \$38,023      | \$9,126       | \$47,149      |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$148,858                                    | \$35,726      | 24.0%    | \$184,584             | \$159,816     | \$38,356      | 24.0%                                                    | \$198,172      | 7.4%     | \$159,816        | \$38,356      | \$198,172          | 2033Q1         | 40.0%     | \$223,753     | \$53,701      | \$277,454     |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$39,785                                     | \$9,548       | 24.0%    | \$49,333              | \$42,713      | \$10,251      | 24.0%                                                    | \$52,965       | 7.4%     | \$42,713         | \$10,251      | \$52,965           | 2048Q2         | 123.1%    | \$95,276      | \$22,866      | \$118,143     |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$16,739                                     | \$4,017       | 24.0%    | \$20,757              | \$17,971      | \$4,313       | 24.0%                                                    | \$22,285       | 7.4%     | \$17,971         | \$4,313       | \$22,285           | 2069Q1         | 320.2%    | \$75,517      | \$18,124      | \$93,641      |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>11</b>                            | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>15</b>                            | RUCTURE                                          | \$0                                          | \$0           | 24.0%    | \$0                   | \$0           | \$0           | 24.0%                                                    | \$0            | 0.0%     | \$0              | \$0           | \$0                | 0              | 0.0%      | \$0           | \$0           | \$0           |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$225,413                                    | \$54,099      | 24.0%    | \$279,512             | \$242,263     | \$58,143      | 24.0%                                                    | \$300,406      |          |                  |               |                    |                |           | \$432,570     | \$103,817     | \$536,387     |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>01</b>                            | LANDS AND DAMAGES                                | \$2,260                                      | \$565         | 25.0%    | \$2,825               | \$2,450       | \$612         | 25.0%                                                    | \$3,062        | 8.4%     | \$2,450          | \$612         | \$3,062            | 2029Q2         | 24.9%     | \$3,059       | \$765         | \$3,824       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>30</b>                            | PLANNING, ENGINEERING & DESIGN                   | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2032Q1         | 44.6%     | \$3,390       | \$814         | \$4,203       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2032Q1         | 44.6%     | \$3,390       | \$814         | \$4,203       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$6,762                                      | \$1,623       | 24.0%    | \$8,385               | \$7,032       | \$1,688       | 24.0%                                                    | \$8,720        | 4.0%     | \$7,032          | \$1,688       | \$8,720            | 2032Q1         | 44.6%     | \$10,170      | \$2,441       | \$12,610      |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Engineering & Design                             | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2032Q1         | 44.6%     | \$3,390       | \$814         | \$4,203       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                        | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2032Q1         | 44.6%     | \$3,390       | \$814         | \$4,203       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2032Q1         | 44.6%     | \$3,390       | \$814         | \$4,203       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$3,381                                      | \$811         | 24.0%    | \$4,193               | \$3,516       | \$844         | 24.0%                                                    | \$4,360        | 4.0%     | \$3,516          | \$844         | \$4,360            | 2033Q1         | 50.2%     | \$5,283       | \$1,268       | \$6,551       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$4,116                                      | \$988         | 24.0%    | \$5,104               | \$4,280       | \$1,027       | 24.0%                                                    | \$5,308        | 4.0%     | \$4,280          | \$1,027       | \$5,308            | 2033Q1         | 50.2%     | \$6,431       | \$1,544       | \$7,975       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$2,254                                      | \$541         | 24.0%    | \$2,795               | \$2,344       | \$563         | 24.0%                                                    | \$2,907        | 4.0%     | \$2,344          | \$563         | \$2,907            | 2037Q1         | 75.4%     | \$4,111       | \$987         | \$5,098       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$1,127                                      | \$270         | 24.0%    | \$1,398               | \$1,172       | \$281         | 24.0%                                                    | \$1,453        | 4.0%     | \$1,172          | \$281         | \$1,453            | 2032Q1         | 44.6%     | \$1,695       | \$407         | \$2,102       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>31</b>                            | CONSTRUCTION MANAGEMENT                          | \$11,271                                     | \$2,705       | 24.0%    | \$13,976              | \$11,721      | \$2,813       | 24.0%                                                    | \$14,534       | 4.0%     | \$11,721         | \$2,813       | \$14,534           | 2033Q1         | 50.2%     | \$17,610      | \$4,226       | \$21,837      |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$11,271                                     | \$2,705       | 24.0%    | \$13,976              | \$11,721      | \$2,813       | 24.0%                                                    | \$14,534       | 4.0%     | \$11,721         | \$2,813       | \$14,534           | 2033Q1         | 50.2%     | \$17,610      | \$4,226       | \$21,837      |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$4,508                                      | \$1,082       | 24.0%    | \$5,590               | \$4,688       | \$1,125       | 24.0%                                                    | \$5,813        | 4.0%     | \$4,688          | \$1,125       | \$5,813            | 2033Q1         | 50.2%     | \$7,044       | \$1,691       | \$8,735       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,353                                      | \$565         | 24.0%    | \$2,918               | \$2,447       | \$587         | 24.0%                                                    | \$3,035        | 4.0%     | \$2,447          | \$587         | \$3,035            | 2033Q1         | 50.2%     | \$3,677       | \$882         | \$4,560       |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$274,717                                    | \$65,955      |          | \$340,672             | \$293,635     | \$70,497      |                                                          | \$364,132      |          |                  |               |                    |                |           | \$508,600     | \$122,095     | \$630,695     |          |               |               |               |          |                                   |  |      |  |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;  
DISTRICT: MVN District  
CHIEF, COST ENGINEERING, John Pettibon  
PREPARED: 4/12/2021  
Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report  
POC:

| WBS NUMBER                           | Civil Works Feature & Sub-Feature Description | ESTIMATED COST     |           |                           |             | PROJECT FIRST COST (Assumed Budget Basis) |           |             |           | TOTAL PROJECT COST (FULLY FUNDED) |       |           |           |                |              |            |         |            |
|--------------------------------------|-----------------------------------------------|--------------------|-----------|---------------------------|-------------|-------------------------------------------|-----------|-------------|-----------|-----------------------------------|-------|-----------|-----------|----------------|--------------|------------|---------|------------|
|                                      |                                               | Estimate Prepared: |           | Program Year (Budget EC): |             | 2022                                      |           | 2022        |           | FULLY FUNDED PROJECT ESTIMATE     |       |           |           |                |              |            |         |            |
|                                      |                                               | COST (\$K)         | NTG (\$K) | NTG (%)                   | TOTAL (\$K) | COST (\$K)                                | NTG (\$K) | TOTAL (\$K) | ESC (%)   | G                                 | H     | I         | J         | Mid-Point Date | INFLATED (%) | COST (\$K) | NTG (%) | FULL (\$K) |
| A                                    | REACH L                                       |                    |           |                           |             |                                           |           |             |           |                                   |       |           |           |                |              |            |         |            |
| 02                                   | RELOCATIONS                                   | \$12,311           | \$2,955   | 24.0%                     | \$15,265    | 7.1%                                      | \$13,182  | \$3,164     | \$16,346  | 2022Q2                            | 0.8%  | \$13,283  | \$3,188   | \$16,471       |              |            |         |            |
| 05                                   | LOCKS                                         | \$0                | \$0       | 24.0%                     | \$0         | 0.0%                                      | \$0       | \$0         | \$0       | 0                                 | 0.0%  | \$0       | \$0       | \$0            |              |            |         |            |
| 06                                   | FISH & WILDLIFE FACILITIES                    | \$0                | \$0       | 24.0%                     | \$0         | 0.0%                                      | \$0       | \$0         | \$0       | 0                                 | 0.0%  | \$0       | \$0       | \$0            |              |            |         |            |
| 06                                   | FISH & WILDLIFE FACILITIES                    | \$11,908           | \$2,858   | 24.0%                     | \$14,766    | 8.6%                                      | \$12,836  | \$3,105     | \$16,041  | 2031Q1                            | 31.7% | \$17,039  | \$4,089   | \$21,128       |              |            |         |            |
| 11                                   | LEVEES & FLOODWALLS                           | \$114,676          | \$27,522  | 24.0%                     | \$142,198   | 7.4%                                      | \$123,118 | \$29,548    | \$152,666 | 2026Q1                            | 13.1% | \$139,207 | \$33,410  | \$172,616      |              |            |         |            |
| 11                                   | LEVEES & FLOODWALLS                           | \$37,923           | \$9,101   | 24.0%                     | \$47,024    | 7.4%                                      | \$40,714  | \$9,771     | \$50,486  | 2033Q3                            | 42.2% | \$57,897  | \$13,895  | \$71,792       |              |            |         |            |
| 11                                   | LEVEES & FLOODWALLS                           | \$23,540           | \$5,650   | 24.0%                     | \$29,190    | 7.4%                                      | \$25,273  | \$6,066     | \$31,338  | 2043Q3                            | 93.0% | \$48,770  | \$11,705  | \$60,474       |              |            |         |            |
| 11                                   | LEVEES & FLOODWALLS                           | \$0                | \$0       | 24.0%                     | \$0         | 0.0%                                      | \$0       | \$0         | \$0       | 0                                 | 0.0%  | \$0       | \$0       | \$0            |              |            |         |            |
| 11                                   | LEVEES & FLOODWALLS                           | \$0                | \$0       | 24.0%                     | \$0         | 0.0%                                      | \$0       | \$0         | \$0       | 0                                 | 0.0%  | \$0       | \$0       | \$0            |              |            |         |            |
| 15                                   | RUCTURE                                       | \$125,622          | \$30,149  | 24.0%                     | \$155,771   | 8.6%                                      | \$136,474 | \$32,754    | \$169,228 | 2023Q2                            | 4.0%  | \$141,907 | \$34,058  | \$175,965      |              |            |         |            |
| 15                                   | RUCTURE                                       | \$0                | \$0       | 24.0%                     | \$0         | 0.0%                                      | \$0       | \$0         | \$0       | 0                                 | 0.0%  | \$0       | \$0       | \$0            |              |            |         |            |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                               | \$325,979          | \$78,235  | 24.0%                     | \$404,214   |                                           | \$351,699 | \$84,408    | \$436,106 |                                   |       | \$418,102 | \$100,345 | \$518,447      |              |            |         |            |
| 01                                   | LANDS AND DAMAGES                             | \$329              | \$82      | 25.0%                     | \$411       | 8.4%                                      | \$356     | \$89        | \$445     | 2036Q2                            | 54.6% | \$551     | \$138     | \$689          |              |            |         |            |
| 30                                   | PLANNING, ENGINEERING & DESIGN                | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2025Q1                            | 11.5% | \$3,781   | \$907     | \$4,689        |              |            |         |            |
| 1.0%                                 | Project Management                            | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2025Q1                            | 11.5% | \$3,781   | \$907     | \$4,689        |              |            |         |            |
| 3.0%                                 | Planning & Environmental Compliance           | \$9,779            | \$2,347   | 24.0%                     | \$12,126    | 4.0%                                      | \$10,170  | \$2,441     | \$12,611  | 2025Q1                            | 11.5% | \$11,344  | \$2,722   | \$14,066       |              |            |         |            |
| 1.0%                                 | Engineering & Design                          | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2025Q1                            | 11.5% | \$3,781   | \$907     | \$4,689        |              |            |         |            |
| 1.0%                                 | Reviews - ATRs, IEPRs, VE                     | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2025Q1                            | 11.5% | \$3,781   | \$907     | \$4,689        |              |            |         |            |
| 1.0%                                 | Contracting & Reprographics                   | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2025Q1                            | 11.5% | \$3,781   | \$907     | \$4,689        |              |            |         |            |
| 1.5%                                 | Engineering During Construction               | \$4,890            | \$1,174   | 24.0%                     | \$6,063     | 4.0%                                      | \$5,085   | \$1,220     | \$6,305   | 2026Q1                            | 15.7% | \$5,882   | \$1,412   | \$7,293        |              |            |         |            |
| 1.8%                                 | Planning During Construction                  | \$5,952            | \$1,429   | 24.0%                     | \$7,381     | 4.0%                                      | \$6,190   | \$1,486     | \$7,676   | 2026Q1                            | 15.7% | \$7,160   | \$1,718   | \$8,878        |              |            |         |            |
| 1.0%                                 | Adaptive Management & Monitoring              | \$3,260            | \$782     | 24.0%                     | \$4,042     | 4.0%                                      | \$3,390   | \$814       | \$4,204   | 2030Q1                            | 34.1% | \$4,547   | \$1,091   | \$5,638        |              |            |         |            |
| 0.5%                                 | Project Operations                            | \$1,630            | \$391     | 24.0%                     | \$2,021     | 4.0%                                      | \$1,695   | \$407       | \$2,102   | 2025Q1                            | 11.5% | \$1,891   | \$454     | \$2,344        |              |            |         |            |
| 31                                   | CONSTRUCTION MANAGEMENT                       | \$16,299           | \$3,912   | 24.0%                     | \$20,211    | 4.0%                                      | \$16,950  | \$4,068     | \$21,018  | 2026Q1                            | 15.7% | \$19,606  | \$4,705   | \$24,311       |              |            |         |            |
| 5.0%                                 | Construction Management                       | \$16,299           | \$3,912   | 24.0%                     | \$20,211    | 4.0%                                      | \$16,950  | \$4,068     | \$21,018  | 2026Q1                            | 15.7% | \$19,606  | \$4,705   | \$24,311       |              |            |         |            |
| 2.0%                                 | Project Operation:                            | \$6,520            | \$1,565   | 24.0%                     | \$8,084     | 4.0%                                      | \$6,780   | \$1,627     | \$8,407   | 2026Q1                            | 15.7% | \$7,842   | \$1,882   | \$9,724        |              |            |         |            |
| 1.0%                                 | Project Management                            | \$3,403            | \$817     | 24.0%                     | \$4,220     | 4.0%                                      | \$3,539   | \$849       | \$4,389   | 2026Q1                            | 15.7% | \$4,094   | \$982     | \$5,076        |              |            |         |            |
| <b>CONTRACT COST TOTALS:</b>         |                                               | \$394,340          | \$94,645  |                           | \$488,985   |                                           | \$422,804 | \$101,476   | \$524,280 |                                   |       | \$499,924 | \$119,987 | \$619,911      |              |            |         |            |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                             | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |           |                       |               |           |                |           | PROJECT FIRST COST<br>(Assess and Budget Basis)          |           |           |      |           |                  |               |                |        |       | TOTAL PROJECT COST (FULLY FUNDED) |           |           |           |           |  |  |  |  |  |
|----------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|-----------|-----------------------|---------------|-----------|----------------|-----------|----------------------------------------------------------|-----------|-----------|------|-----------|------------------|---------------|----------------|--------|-------|-----------------------------------|-----------|-----------|-----------|-----------|--|--|--|--|--|
|                                        |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |           | 12-Apr-21<br>1-Oct-20 |               |           |                |           | Program Year (Budget EC):<br>Effective Price Level Date: |           |           |      |           | 2022<br>1 OCT 21 |               |                |        |       | FULLY FUNDED PROJECT ESTIMATE     |           |           |           |           |  |  |  |  |  |
|                                        |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | F         | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | J         | G                                                        | H         | I         | J    | ESC<br>%  | COST<br>(\$K)    | CNTG<br>(\$K) | TOTAL<br>(\$K) | P      | Date  | INFLATED<br>%                     | L         | M         | N         | O         |  |  |  |  |  |
| <b>ALL REACHES MitG - No Breakdown</b> |                                                  |                                              |               |           |                |           |                       |               |           |                |           |                                                          |           |           |      |           |                  |               |                |        |       |                                   |           |           |           |           |  |  |  |  |  |
| 02                                     | RELOCATIONS                                      | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 05                                     | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 06                                     | FISH & WILDLIFE FACILITIES                       | \$98,413                                     | \$23,619      | 24.0%     | \$122,032      | \$98,413  | \$23,619              | 24.0%         | \$122,032 | \$132,574      | \$106,915 | \$25,659                                                 | \$132,574 | \$132,574 | 8.6% | \$106,915 | \$25,659         | \$132,574     | 2024Q2         | 2024Q2 | 7.2%  | \$114,617                         | \$27,508  | \$142,125 | \$142,125 |           |  |  |  |  |  |
| 06                                     | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 11                                     | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 11                                     | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 11                                     | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 11                                     | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 15                                     | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| 15                                     | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | \$0       | \$0                   | \$0           | \$0       | \$0            | \$0       | \$0                                                      | \$0       | \$0       | 0.0% | \$0       | \$0              | \$0           | 0              | 0      | 0.0%  | \$0                               | \$0       | \$0       | \$0       |           |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b>   |                                                  | \$98,413                                     | \$23,619      | 24.0%     | \$122,032      | \$98,413  | \$23,619              | 24.0%         | \$122,032 | \$132,574      | \$106,915 | \$25,659                                                 | \$132,574 | \$132,574 | 8.4% | \$88,189  | \$22,047         | \$110,236     | 2024Q2         | 2024Q2 | 7.2%  | \$94,543                          | \$23,636  | \$118,178 | \$118,178 |           |  |  |  |  |  |
| 01                                     | LANDS AND DAMAGES                                | \$81,360                                     | \$20,340      | 25.0%     | \$101,700      | \$81,360  | \$20,340              | 25.0%         | \$101,700 | \$110,236      | \$88,189  | \$22,047                                                 | \$110,236 | \$110,236 | 8.4% | \$88,189  | \$22,047         | \$110,236     | 2024Q2         | 2024Q2 | 7.2%  | \$94,543                          | \$23,636  | \$118,178 | \$118,178 |           |  |  |  |  |  |
| 30                                     | PLANNING, ENGINEERING & DESIGN                   | \$984                                        | \$236         | 24.0%     | \$1,220        | \$984     | \$236                 | 24.0%         | \$1,220   | \$1,269        | \$1,023   | \$246                                                    | \$1,269   | \$1,269   | 4.0% | \$1,023   | \$246            | \$1,269       | 2023Q1         | 2023Q1 | 3.7%  | \$1,062                           | \$255     | \$1,316   | \$1,316   |           |  |  |  |  |  |
| 1.0%                                   | Project Management                               | \$984                                        | \$236         | 24.0%     | \$1,220        | \$984     | \$236                 | 24.0%         | \$1,220   | \$1,269        | \$1,023   | \$246                                                    | \$1,269   | \$1,269   | 4.0% | \$1,023   | \$246            | \$1,269       | 2023Q1         | 2023Q1 | 3.7%  | \$1,062                           | \$255     | \$1,316   | \$1,316   |           |  |  |  |  |  |
| 3.0%                                   | Planning & Environmental Compliance              | \$2,952                                      | \$709         | 24.0%     | \$3,661        | \$2,952   | \$709                 | 24.0%         | \$3,661   | \$3,807        | \$3,070   | \$737                                                    | \$3,807   | \$3,807   | 4.0% | \$3,070   | \$737            | \$3,807       | 2023Q1         | 2023Q1 | 3.7%  | \$3,185                           | \$764     | \$3,949   | \$3,949   |           |  |  |  |  |  |
| 1.0%                                   | Engineering & Design                             | \$984                                        | \$236         | 24.0%     | \$1,220        | \$984     | \$236                 | 24.0%         | \$1,220   | \$1,269        | \$1,023   | \$246                                                    | \$1,269   | \$1,269   | 4.0% | \$1,023   | \$246            | \$1,269       | 2023Q1         | 2023Q1 | 3.7%  | \$1,062                           | \$255     | \$1,316   | \$1,316   |           |  |  |  |  |  |
| 1.0%                                   | Reviews - ATRs, IEPs, VE                         | \$984                                        | \$236         | 24.0%     | \$1,220        | \$984     | \$236                 | 24.0%         | \$1,220   | \$1,269        | \$1,023   | \$246                                                    | \$1,269   | \$1,269   | 4.0% | \$1,023   | \$246            | \$1,269       | 2023Q1         | 2023Q1 | 3.7%  | \$1,062                           | \$255     | \$1,316   | \$1,316   |           |  |  |  |  |  |
| 1.0%                                   | Contracting & Reprographics                      | \$1,476                                      | \$354         | 24.0%     | \$1,830        | \$1,476   | \$354                 | 24.0%         | \$1,830   | \$1,904        | \$1,535   | \$368                                                    | \$1,904   | \$1,904   | 4.0% | \$1,535   | \$368            | \$1,904       | 2024Q2         | 2024Q2 | 8.5%  | \$1,666                           | \$400     | \$2,066   | \$2,066   |           |  |  |  |  |  |
| 1.5%                                   | Engineering During Construction                  | \$1,797                                      | \$431         | 24.0%     | \$2,228        | \$1,797   | \$431                 | 24.0%         | \$2,228   | \$2,317        | \$1,869   | \$449                                                    | \$2,317   | \$2,317   | 4.0% | \$1,869   | \$449            | \$2,317       | 2024Q2         | 2024Q2 | 8.5%  | \$2,028                           | \$487     | \$2,515   | \$2,515   |           |  |  |  |  |  |
| 1.0%                                   | Planning During Construction                     | \$984                                        | \$236         | 24.0%     | \$1,220        | \$984     | \$236                 | 24.0%         | \$1,220   | \$1,269        | \$1,023   | \$246                                                    | \$1,269   | \$1,269   | 4.0% | \$1,023   | \$246            | \$1,269       | 2025Q3         | 2025Q3 | 13.6% | \$1,162                           | \$279     | \$1,441   | \$1,441   |           |  |  |  |  |  |
| 0.5%                                   | Adaptive Management & Monitoring                 | \$492                                        | \$118         | 24.0%     | \$610          | \$492     | \$118                 | 24.0%         | \$610     | \$635          | \$512     | \$123                                                    | \$635     | \$635     | 4.0% | \$512     | \$123            | \$635         | 2023Q1         | 2023Q1 | 3.7%  | \$531                             | \$127     | \$658     | \$658     |           |  |  |  |  |  |
| 31                                     | CONSTRUCTION MANAGEMENT                          | \$4,921                                      | \$1,181       | 24.0%     | \$6,102        | \$4,921   | \$1,181               | 24.0%         | \$6,102   | \$6,345        | \$5,117   | \$1,228                                                  | \$6,345   | \$6,345   | 4.0% | \$5,117   | \$1,228          | \$6,345       | 2024Q2         | 2024Q2 | 8.5%  | \$5,554                           | \$1,333   | \$6,887   | \$6,887   |           |  |  |  |  |  |
| 5.0%                                   | Construction Management                          | \$4,921                                      | \$1,181       | 24.0%     | \$6,102        | \$4,921   | \$1,181               | 24.0%         | \$6,102   | \$6,345        | \$5,117   | \$1,228                                                  | \$6,345   | \$6,345   | 4.0% | \$5,117   | \$1,228          | \$6,345       | 2024Q2         | 2024Q2 | 8.5%  | \$5,554                           | \$1,333   | \$6,887   | \$6,887   |           |  |  |  |  |  |
| 2.0%                                   | Project Operation:                               | \$1,968                                      | \$472         | 24.0%     | \$2,441        | \$1,968   | \$472                 | 24.0%         | \$2,441   | \$2,538        | \$2,047   | \$491                                                    | \$2,538   | \$2,538   | 4.0% | \$2,047   | \$491            | \$2,538       | 2024Q2         | 2024Q2 | 8.5%  | \$2,221                           | \$533     | \$2,755   | \$2,755   |           |  |  |  |  |  |
| 1.0%                                   | Project Management                               | \$1,027                                      | \$247         | 24.0%     | \$1,274        | \$1,027   | \$247                 | 24.0%         | \$1,274   | \$1,325        | \$1,068   | \$256                                                    | \$1,325   | \$1,325   | 4.0% | \$1,068   | \$256            | \$1,325       | 2024Q2         | 2024Q2 | 8.5%  | \$1,160                           | \$278     | \$1,438   | \$1,438   |           |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>           |                                                  | \$200,312                                    | \$48,888      |           | \$249,200      | \$200,312 | \$48,888              |               | \$249,200 | \$269,296      | \$216,463 | \$52,833                                                 | \$269,296 | \$269,296 |      | \$216,463 | \$52,833         | \$269,296     |                |        |       |                                   | \$231,974 | \$56,619  | \$288,594 | \$288,594 |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST        |            |          |             |         |                                                                        |            |           |             |       | PROJECT FIRST COST<br>(Assess and Budget Basis) |           |             |        |       |                               |           |             |      |      | TOTAL PROJECT COST (FULLY FUNDED) |  |  |  |  |  |  |  |  |  |
|--------------------------------------|--------------------------------------------------|-----------------------|------------|----------|-------------|---------|------------------------------------------------------------------------|------------|-----------|-------------|-------|-------------------------------------------------|-----------|-------------|--------|-------|-------------------------------|-----------|-------------|------|------|-----------------------------------|--|--|--|--|--|--|--|--|--|
|                                      |                                                  | 12-Apr-21<br>1-Oct-20 |            |          |             |         | Program Year (Budget EC): 2022<br>Effective Price Level Date: 1 OCT 21 |            |           |             |       | Mid-Point Date                                  |           |             |        |       | FULLY FUNDED PROJECT ESTIMATE |           |             |      |      |                                   |  |  |  |  |  |  |  |  |  |
|                                      |                                                  | COST (\$K)            | CNTG (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K)                                                             | CNTG (\$K) | CNTG (%)  | TOTAL (\$K) | P     | L                                               | M         | N           | O      | P     | L                             | M         | N           | O    |      |                                   |  |  |  |  |  |  |  |  |  |
| <b>A</b>                             | <b>ALL REACHES MitG - No Breakdown</b>           |                       |            |          |             |         |                                                                        |            |           |             |       |                                                 |           |             |        |       |                               |           |             |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 02                                   | RELOCATIONS                                      | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0.0%        | \$0   | \$0                                             | \$0       | 0           | 0.0%   | \$0   | \$0                           | \$0       | 0           | 0.0% | \$0  |                                   |  |  |  |  |  |  |  |  |  |
| 05                                   | LOCKS                                            | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0.0%        | \$0   | \$0                                             | \$0       | 0           | 0.0%   | \$0   | \$0                           | \$0       | 0           | 0.0% | \$0  |                                   |  |  |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$245,942             | \$59,026   | 24.0%    | \$304,968   | 8.6%    | \$267,189                                                              | \$64,125   | \$331,314 | 2037Q2      | 59.4% | \$425,984                                       | \$102,236 | \$528,220   | 2037Q2 | 59.4% | \$425,984                     | \$102,236 | \$528,220   |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| 15                                   | RUCTURE                                          | \$0                   | \$0        | 24.0%    | \$0         | 0.0%    | \$0                                                                    | \$0        | \$0       | 0           | 0.0%  | \$0                                             | \$0       | \$0         | 0      | 0.0%  | \$0                           | \$0       | \$0         | 0    | 0.0% | \$0                               |  |  |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$245,942             | \$59,026   | 24.0%    | \$304,968   |         | \$267,189                                                              | \$64,125   | \$331,314 |             |       | \$425,984                                       | \$102,236 | \$528,220   |        |       | \$425,984                     | \$102,236 | \$528,220   |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$218,450             | \$54,613   | 25.0%    | \$273,063   | 8.4%    | \$236,786                                                              | \$59,197   | \$295,983 | 2038Q2      | 64.4% | \$389,216                                       | \$97,304  | \$486,520   | 2038Q2 | 64.4% | \$389,216                     | \$97,304  | \$486,520   |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   |                       |            |          |             |         |                                                                        |            |           |             |       |                                                 |           |             |        |       |                               |           |             |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,459               | \$590      | 24.0%    | \$3,050     | 4.0%    | \$2,558                                                                | \$614      | \$3,171   | 2036Q1      | 68.6% | \$4,313                                         | \$1,035   | \$5,349     | 2036Q1 | 68.6% | \$4,313                       | \$1,035   | \$5,349     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Planning & Environmental Compliance              | \$2,459               | \$590      | 24.0%    | \$3,050     | 4.0%    | \$2,558                                                                | \$614      | \$3,171   | 2036Q1      | 68.6% | \$4,313                                         | \$1,035   | \$5,349     | 2036Q1 | 68.6% | \$4,313                       | \$1,035   | \$5,349     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 3.0%                                 | Engineering & Design                             | \$7,378               | \$1,771    | 24.0%    | \$9,149     | 4.0%    | \$7,673                                                                | \$1,841    | \$9,514   | 2036Q1      | 68.6% | \$12,940                                        | \$3,106   | \$16,046    | 2036Q1 | 68.6% | \$12,940                      | \$3,106   | \$16,046    |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Reviews - ATRs, IEP Rs, VE                       | \$2,459               | \$590      | 24.0%    | \$3,050     | 4.0%    | \$2,558                                                                | \$614      | \$3,171   | 2036Q1      | 68.6% | \$4,313                                         | \$1,035   | \$5,349     | 2036Q1 | 68.6% | \$4,313                       | \$1,035   | \$5,349     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$2,459               | \$590      | 24.0%    | \$3,050     | 4.0%    | \$2,558                                                                | \$614      | \$3,171   | 2036Q1      | 68.6% | \$4,313                                         | \$1,035   | \$5,349     | 2036Q1 | 68.6% | \$4,313                       | \$1,035   | \$5,349     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.5%                                 | Engineering During Construction                  | \$3,689               | \$885      | 24.0%    | \$4,575     | 4.0%    | \$3,836                                                                | \$921      | \$4,757   | 2037Q2      | 77.1% | \$6,794                                         | \$1,631   | \$8,425     | 2037Q2 | 77.1% | \$6,794                       | \$1,631   | \$8,425     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.8%                                 | Planning During Construction                     | \$4,491               | \$1,078    | 24.0%    | \$5,569     | 4.0%    | \$4,670                                                                | \$1,121    | \$5,791   | 2037Q2      | 77.1% | \$8,271                                         | \$1,985   | \$10,256    | 2037Q2 | 77.1% | \$8,271                       | \$1,985   | \$10,256    |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$2,459               | \$590      | 24.0%    | \$3,050     | 4.0%    | \$2,558                                                                | \$614      | \$3,171   | 2040Q1      | 97.4% | \$5,050                                         | \$1,212   | \$6,262     | 2040Q1 | 97.4% | \$5,050                       | \$1,212   | \$6,262     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 0.5%                                 | Project Operations                               | \$1,230               | \$295      | 24.0%    | \$1,525     | 4.0%    | \$1,279                                                                | \$307      | \$1,586   | 2036Q1      | 68.6% | \$2,157                                         | \$518     | \$2,674     | 2036Q1 | 68.6% | \$2,157                       | \$518     | \$2,674     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          |                       |            |          |             |         |                                                                        |            |           |             |       |                                                 |           |             |        |       |                               |           |             |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 5.0%                                 | Construction Management                          | \$12,297              | \$2,951    | 24.0%    | \$15,248    | 4.0%    | \$12,788                                                               | \$3,069    | \$15,857  | 2037Q2      | 77.1% | \$22,647                                        | \$5,435   | \$28,082    | 2037Q2 | 77.1% | \$22,647                      | \$5,435   | \$28,082    |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 2.0%                                 | Project Operation:                               | \$4,919               | \$1,181    | 24.0%    | \$6,099     | 4.0%    | \$5,115                                                                | \$1,228    | \$6,343   | 2037Q2      | 77.1% | \$9,059                                         | \$2,174   | \$11,233    | 2037Q2 | 77.1% | \$9,059                       | \$2,174   | \$11,233    |      |      |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                 | Project Management                               | \$2,568               | \$616      | 24.0%    | \$3,184     | 4.0%    | \$2,670                                                                | \$641      | \$3,311   | 2037Q2      | 77.1% | \$4,729                                         | \$1,135   | \$5,864     | 2037Q2 | 77.1% | \$4,729                       | \$1,135   | \$5,864     |      |      |                                   |  |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$515,720             | \$125,957  |          | \$641,678   |         | \$557,353                                                              | \$136,133  | \$693,485 |             |       | \$908,412                                       | \$221,911 | \$1,130,323 |        |       | \$908,412                     | \$221,911 | \$1,130,323 |      |      |                                   |  |  |  |  |  |  |  |  |  |



\*\*\*\* TOTAL PROJECT COST SUMMARY \*\*\*\*  
\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
LOCATION: Morganza to the Gulf  
This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
POC: CHIEF, COST ENGINEERING, John Pettibon

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

PREPARED: 4/12/2021

| WBS NUMBER                                | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST        |          |             |         |            |                                |             |         |            |          | PROJECT FIRST COST<br>(Associated Budget Details) |         |            |          |             |                |            |          |             |         | TOTAL PROJECT COST (FULLY FUNDED) |          |             |         |            |          |             |  |  |  |
|-------------------------------------------|--------------------------------------------------|-----------------------|----------|-------------|---------|------------|--------------------------------|-------------|---------|------------|----------|---------------------------------------------------|---------|------------|----------|-------------|----------------|------------|----------|-------------|---------|-----------------------------------|----------|-------------|---------|------------|----------|-------------|--|--|--|
|                                           |                                                  | 12-Apr-21<br>1-Oct-20 |          |             |         |            | Program Year (Budget EC): 2022 |             |         |            |          | Effective Price Level Date: 1 OCT 21              |         |            |          |             | Mid-Point Date |            |          |             |         | FULLY FUNDED PROJECT ESTIMATE     |          |             |         |            |          |             |  |  |  |
|                                           |                                                  | COST (\$K)            | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K) | CNTG (%)                       | TOTAL (\$K) | ESC (%) | COST (\$K) | CNTG (%) | TOTAL (\$K)                                       | ESC (%) | COST (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%)        | COST (\$K) | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K)                        | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K) | CNTG (%) | TOTAL (\$K) |  |  |  |
| A                                         | REACH LGM C-North/GIWW area 2085                 |                       |          |             |         |            |                                |             |         |            |          |                                                   |         |            |          |             |                |            |          |             |         |                                   |          |             |         |            |          |             |  |  |  |
| 02                                        | RELOCATIONS                                      | \$0                   | 24.0%    | \$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         | 0.0%    | \$0                               | 0.0%     | \$0         | 0.0%    | \$0        | 0.0%     | \$0         |  |  |  |
| 05                                        | LOCKS                                            | \$0                   | 24.0%    | \$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         | 0.0%    | \$0                               | 0.0%     | \$0         | 0.0%    | \$0        | 0.0%     | \$0         |  |  |  |
| 06                                        | FISH & WILDLIFE FACILITIES                       | \$0                   | 24.0%    | \$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         | 0.0%    | \$0                               | 0.0%     | \$0         | 0.0%    | \$0        | 0.0%     | \$0         |  |  |  |
| 06                                        | FISH & WILDLIFE FACILITIES                       | \$0                   | 24.0%    | \$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         | 0.0%    | \$0                               | 0.0%     | \$0         | 0.0%    | \$0        | 0.0%     | \$0         |  |  |  |
| 11                                        | LEVEES & FLOODWALLS                              | \$29,386              | 24.0%    | \$36,439    | 7.4%    | \$7,053    | 24.0%                          | \$36,439    | 7.4%    | \$31,549   | 24.0%    | \$39,121                                          | 7.4%    | \$7,572    | 24.0%    | \$39,121    | 7.4%           | \$31,549   | 24.0%    | \$39,121    | 7.4%    | \$7,572                           | 24.0%    | \$39,121    | 7.4%    | \$7,572    | 24.0%    | \$39,121    |  |  |  |
| 11                                        | LEVEES & FLOODWALLS                              | \$31,164              | 24.0%    | \$38,644    | 7.4%    | \$7,479    | 24.0%                          | \$38,644    | 7.4%    | \$33,459   | 24.0%    | \$41,489                                          | 7.4%    | \$8,030    | 24.0%    | \$41,489    | 7.4%           | \$33,459   | 24.0%    | \$41,489    | 7.4%    | \$8,030                           | 24.0%    | \$41,489    | 7.4%    | \$8,030    | 24.0%    | \$41,489    |  |  |  |
| 11                                        | LEVEES & FLOODWALLS                              | \$135,555             | 24.0%    | \$168,088   | 7.4%    | \$32,533   | 24.0%                          | \$168,088   | 7.4%    | \$145,534  | 24.0%    | \$180,462                                         | 7.4%    | \$34,928   | 24.0%    | \$180,462   | 7.4%           | \$145,534  | 24.0%    | \$180,462   | 7.4%    | \$34,928                          | 24.0%    | \$180,462   | 7.4%    | \$34,928   | 24.0%    | \$180,462   |  |  |  |
| 11                                        | LEVEES & FLOODWALLS                              | \$37,218              | 24.0%    | \$46,151    | 8.6%    | \$8,932    | 24.0%                          | \$46,151    | 8.6%    | \$40,434   | 24.0%    | \$50,138                                          | 8.6%    | \$9,704    | 24.0%    | \$50,138    | 8.6%           | \$40,434   | 24.0%    | \$50,138    | 8.6%    | \$9,704                           | 24.0%    | \$50,138    | 8.6%    | \$9,704    | 24.0%    | \$50,138    |  |  |  |
| 15                                        | RUCTURE                                          | \$233,324             | 24.0%    | \$289,321   | 0.0%    | \$55,998   | 24.0%                          | \$289,321   | 0.0%    | \$250,975  | 24.0%    | \$311,209                                         | 0.0%    | \$60,234   | 24.0%    | \$311,209   | 0.0%           | \$250,975  | 24.0%    | \$311,209   | 0.0%    | \$60,234                          | 24.0%    | \$311,209   | 0.0%    | \$60,234   | 24.0%    | \$311,209   |  |  |  |
| 15                                        | RUCTURE                                          | \$0                   | 25.0%    | \$0         | 0.0%    | \$0        | 25.0%                          | \$0         | 0.0%    | \$0        | 25.0%    | \$0                                               | 0.0%    | \$0        | 25.0%    | \$0         | 0.0%           | \$0        | 25.0%    | \$0         | 0.0%    | \$0                               | 25.0%    | \$0         | 0.0%    | \$0        | 25.0%    | \$0         |  |  |  |
| 01                                        | LANDS AND DAMAGES                                |                       |          |             |         |            |                                |             |         |            |          |                                                   |         |            |          |             |                |            |          |             |         |                                   |          |             |         |            |          |             |  |  |  |
| 30                                        | PLANNING, ENGINEERING & DESIGN                   |                       |          |             |         |            |                                |             |         |            |          |                                                   |         |            |          |             |                |            |          |             |         |                                   |          |             |         |            |          |             |  |  |  |
| 1.0%                                      | Project Management                               | \$2,333               | 24.0%    | \$2,893     | 4.0%    | \$560      | 24.0%                          | \$2,893     | 4.0%    | \$2,426    | 24.0%    | \$3,009                                           | 4.0%    | \$582      | 24.0%    | \$3,009     | 4.0%           | \$2,426    | 24.0%    | \$3,009     | 4.0%    | \$582                             | 24.0%    | \$3,009     | 4.0%    | \$582      | 24.0%    | \$3,009     |  |  |  |
| 3.0%                                      | Planning & Environmental Compliance              | \$7,000               | 24.0%    | \$8,680     | 4.0%    | \$1,680    | 24.0%                          | \$8,680     | 4.0%    | \$7,279    | 24.0%    | \$9,026                                           | 4.0%    | \$1,747    | 24.0%    | \$9,026     | 4.0%           | \$7,279    | 24.0%    | \$9,026     | 4.0%    | \$1,747                           | 24.0%    | \$9,026     | 4.0%    | \$1,747    | 24.0%    | \$9,026     |  |  |  |
| 1.0%                                      | Reviews, ATRs, IEPRs, VE                         | \$2,333               | 24.0%    | \$2,893     | 4.0%    | \$560      | 24.0%                          | \$2,893     | 4.0%    | \$2,426    | 24.0%    | \$3,009                                           | 4.0%    | \$582      | 24.0%    | \$3,009     | 4.0%           | \$2,426    | 24.0%    | \$3,009     | 4.0%    | \$582                             | 24.0%    | \$3,009     | 4.0%    | \$582      | 24.0%    | \$3,009     |  |  |  |
| 1.0%                                      | Contracting & Reprographics                      | \$2,333               | 24.0%    | \$2,893     | 4.0%    | \$560      | 24.0%                          | \$2,893     | 4.0%    | \$2,426    | 24.0%    | \$3,009                                           | 4.0%    | \$582      | 24.0%    | \$3,009     | 4.0%           | \$2,426    | 24.0%    | \$3,009     | 4.0%    | \$582                             | 24.0%    | \$3,009     | 4.0%    | \$582      | 24.0%    | \$3,009     |  |  |  |
| 1.5%                                      | Engineering During Construction                  | \$3,500               | 24.0%    | \$4,340     | 4.0%    | \$840      | 24.0%                          | \$4,340     | 4.0%    | \$3,640    | 24.0%    | \$4,513                                           | 4.0%    | \$874      | 24.0%    | \$4,513     | 4.0%           | \$3,640    | 24.0%    | \$4,513     | 4.0%    | \$874                             | 24.0%    | \$4,513     | 4.0%    | \$874      | 24.0%    | \$4,513     |  |  |  |
| 1.8%                                      | Planning During Construction                     | \$4,260               | 24.0%    | \$5,283     | 4.0%    | \$1,023    | 24.0%                          | \$5,283     | 4.0%    | \$4,431    | 24.0%    | \$5,494                                           | 4.0%    | \$1,063    | 24.0%    | \$5,494     | 4.0%           | \$4,431    | 24.0%    | \$5,494     | 4.0%    | \$1,063                           | 24.0%    | \$5,494     | 4.0%    | \$1,063    | 24.0%    | \$5,494     |  |  |  |
| 1.0%                                      | Adaptive Management & Monitoring                 | \$2,333               | 24.0%    | \$2,893     | 4.0%    | \$560      | 24.0%                          | \$2,893     | 4.0%    | \$2,426    | 24.0%    | \$3,009                                           | 4.0%    | \$582      | 24.0%    | \$3,009     | 4.0%           | \$2,426    | 24.0%    | \$3,009     | 4.0%    | \$582                             | 24.0%    | \$3,009     | 4.0%    | \$582      | 24.0%    | \$3,009     |  |  |  |
| 0.5%                                      | Project Operations                               | \$1,167               | 24.0%    | \$1,447     | 4.0%    | \$280      | 24.0%                          | \$1,447     | 4.0%    | \$1,213    | 24.0%    | \$1,504                                           | 4.0%    | \$291      | 24.0%    | \$1,504     | 4.0%           | \$1,213    | 24.0%    | \$1,504     | 4.0%    | \$291                             | 24.0%    | \$1,504     | 4.0%    | \$291      | 24.0%    | \$1,504     |  |  |  |
| 31                                        | CONSTRUCTION MANAGEMENT                          |                       |          |             |         |            |                                |             |         |            |          |                                                   |         |            |          |             |                |            |          |             |         |                                   |          |             |         |            |          |             |  |  |  |
| 5.0%                                      | Construction Management                          | \$11,666              | 24.0%    | \$14,466    | 4.0%    | \$2,800    | 24.0%                          | \$14,466    | 4.0%    | \$12,132   | 24.0%    | \$15,044                                          | 4.0%    | \$2,912    | 24.0%    | \$15,044    | 4.0%           | \$12,132   | 24.0%    | \$15,044    | 4.0%    | \$2,912                           | 24.0%    | \$15,044    | 4.0%    | \$2,912    | 24.0%    | \$15,044    |  |  |  |
| 2.0%                                      | Project Operation:                               | \$4,666               | 24.0%    | \$5,786     | 4.0%    | \$1,120    | 24.0%                          | \$5,786     | 4.0%    | \$4,853    | 24.0%    | \$6,017                                           | 4.0%    | \$1,165    | 24.0%    | \$6,017     | 4.0%           | \$4,853    | 24.0%    | \$6,017     | 4.0%    | \$1,165                           | 24.0%    | \$6,017     | 4.0%    | \$1,165    | 24.0%    | \$6,017     |  |  |  |
| 1.0%                                      | Project Management                               | \$2,436               | 24.0%    | \$3,021     | 4.0%    | \$585      | 24.0%                          | \$3,021     | 4.0%    | \$2,533    | 24.0%    | \$3,141                                           | 4.0%    | \$608      | 24.0%    | \$3,141     | 4.0%           | \$2,533    | 24.0%    | \$3,141     | 4.0%    | \$608                             | 24.0%    | \$3,141     | 4.0%    | \$608      | 24.0%    | \$3,141     |  |  |  |
| <b>CONTRACT COST TOTALS:</b>              |                                                  | \$282,018             |          | \$349,703   |         | \$67,684   |                                | \$349,703   |         | \$301,614  |          | \$374,002                                         |         | \$72,387   |          | \$374,002   |                | \$301,614  |          | \$374,002   |         | \$72,387                          |          | \$374,002   |         | \$72,387   |          | \$374,002   |  |  |  |
| <b>TOTAL PROJECT COST TOTALS:</b>         |                                                  | \$547,758             |          | \$679,219   |         | \$131,462  |                                | \$679,219   |         | \$547,758  |          | \$679,219                                         |         | \$131,462  |          | \$679,219   |                | \$547,758  |          | \$679,219   |         | \$131,462                         |          | \$679,219   |         | \$131,462  |          | \$679,219   |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b>      |                                                  | \$233,324             |          | \$289,321   |         | \$55,998   |                                | \$289,321   |         | \$233,324  |          | \$289,321                                         |         | \$55,998   |          | \$289,321   |                | \$233,324  |          | \$289,321   |         | \$55,998                          |          | \$289,321   |         | \$55,998   |          | \$289,321   |  |  |  |
| <b>LANDS AND DAMAGES</b>                  |                                                  | \$0                   |          | \$0         |         | \$0        |                                | \$0         |         | \$0        |          | \$0                                               |         | \$0        |          | \$0         |                | \$0        |          | \$0         |         | \$0                               |          | \$0         |         | \$0        |          | \$0         |  |  |  |
| <b>PLANNING, ENGINEERING &amp; DESIGN</b> |                                                  | \$23,333              |          | \$28,933    |         | \$5,600    |                                | \$28,933    |         | \$23,333   |          | \$28,933                                          |         | \$5,600    |          | \$28,933    |                | \$23,333   |          | \$28,933    |         | \$5,600                           |          | \$28,933    |         | \$5,600    |          | \$28,933    |  |  |  |
| <b>CONSTRUCTION MANAGEMENT</b>            |                                                  | \$11,666              |          | \$14,466    |         | \$2,800    |                                | \$14,466    |         | \$11,666   |          | \$14,466                                          |         | \$2,800    |          | \$14,466    |                | \$11,666   |          | \$14,466    |         | \$2,800                           |          | \$14,466    |         | \$2,800    |          | \$14,466    |  |  |  |
| <b>Project Operation:</b>                 |                                                  | \$4,666               |          | \$5,786     |         | \$1,120    |                                | \$5,786     |         | \$4,666    |          | \$5,786                                           |         | \$1,120    |          | \$5,786     |                | \$4,666    |          | \$5,786     |         | \$1,120                           |          | \$5,786     |         | \$1,120    |          | \$5,786     |  |  |  |
| <b>Project Management</b>                 |                                                  | \$2,436               |          | \$3,021     |         | \$585      |                                | \$3,021     |         | \$2,436    |          | \$3,021                                           |         | \$585      |          | \$3,021     |                | \$2,436    |          | \$3,021     |         | \$585                             |          | \$3,021     |         | \$585      |          | \$3,021     |  |  |  |
| <b>CONTRACT COST TOTALS:</b>              |                                                  | \$282,018             |          | \$349,703   |         | \$67,684   |                                | \$349,703   |         | \$301,614  |          | \$374,002                                         |         | \$72,387   |          | \$374,002   |                | \$301,614  |          | \$374,002   |         | \$72,387                          |          | \$374,002   |         | \$72,387   |          | \$374,002   |  |  |  |
| <b>TOTAL PROJECT COST TOTALS:</b>         |                                                  | \$547,758             |          | \$679,219   |         | \$131,462  |                                | \$679,219   |         | \$547,758  |          | \$679,219                                         |         | \$131,462  |          | \$679,219   |                | \$547,758  |          | \$679,219   |         | \$131,462                         |          | \$679,219   |         | \$131,462  |          | \$679,219   |  |  |  |

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

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PROJECT: Morganza to the Gulf  
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This Estimate reflects the scope and schedule in report;

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Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

PREPARED: 4/12/2021

| WBS NUMBER                           | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST                               |               |           |                |            |                       |               |           |                |            | PROJECT FIRST COST<br>(Assessments, Studies, Benefits)   |               |               |           |                |                  |              |                   |               |               | TOTAL PROJECT COST (FULLY FUNDED) |           |               |           |  |  |
|--------------------------------------|--------------------------------------------------|----------------------------------------------|---------------|-----------|----------------|------------|-----------------------|---------------|-----------|----------------|------------|----------------------------------------------------------|---------------|---------------|-----------|----------------|------------------|--------------|-------------------|---------------|---------------|-----------------------------------|-----------|---------------|-----------|--|--|
|                                      |                                                  | Estimate Prepared:<br>Effective Price Level: |               |           |                |            | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget EC):<br>Effective Price Level Date: |               |               |           |                | 2022<br>1 OCT 21 |              |                   |               |               | FULLY FUNDED PROJECT ESTIMATE     |           |               |           |  |  |
|                                      |                                                  | COST<br>(\$K)                                | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | ESC<br>%                                                 | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>%       | Program Year | Mid-Point<br>Date | INFLATED<br>% | COST<br>(\$K) | CNTG<br>(\$K)                     | CNTG<br>% | FULL<br>(\$K) | FULL<br>% |  |  |
| A                                    |                                                  |                                              |               |           |                |            |                       |               |           |                |            |                                                          |               |               |           |                |                  |              |                   |               |               |                                   |           |               |           |  |  |
| 02                                   | RELOCATIONS                                      | \$25,048                                     | \$6,012       | 24.0%     | \$31,060       | 7.1%       | \$26,822              | \$6,437       | \$33,259  | 35.8%          |            |                                                          |               |               |           |                |                  | 2032Q1       |                   | \$36,423      | \$8,742       |                                   | \$45,165  |               |           |  |  |
| 05                                   | LOCKS                                            | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0.0%           |            |                                                          |               |               |           |                |                  | 0            |                   | \$0           | \$0           |                                   | \$0       |               |           |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0.0%           |            |                                                          |               |               |           |                |                  | 0            |                   | \$0           | \$0           |                                   | \$0       |               |           |  |  |
| 06                                   | FISH & WILDLIFE FACILITIES                       | \$13,348                                     | \$3,203       | 24.0%     | \$16,551       | 8.6%       | \$14,501              | \$3,480       | \$17,981  | 44.3%          |            |                                                          |               |               |           |                |                  | 2034Q1       |                   | \$20,932      | \$5,024       |                                   | \$25,955  |               |           |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$62,488                                     | \$14,997      | 24.0%     | \$77,485       | 7.4%       | \$67,088              | \$16,101      | \$83,189  | 44.3%          |            |                                                          |               |               |           |                |                  | 2034Q1       |                   | \$96,839      | \$23,241      |                                   | \$120,080 |               |           |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$28,408                                     | \$6,818       | 24.0%     | \$35,225       | 7.4%       | \$30,499              | \$7,320       | \$37,819  | 123.1%         |            |                                                          |               |               |           |                |                  | 2048Q2       |                   | \$68,031      | \$16,327      |                                   | \$84,358  |               |           |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$31,868                                     | \$7,648       | 24.0%     | \$39,516       | 7.4%       | \$34,214              | \$8,211       | \$42,425  | 310.8%         |            |                                                          |               |               |           |                |                  | 2068Q2       |                   | \$140,538     | \$33,729      |                                   | \$174,267 |               |           |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0.0%           |            |                                                          |               |               |           |                |                  | 0            |                   | \$0           | \$0           |                                   | \$0       |               |           |  |  |
| 11                                   | LEVEES & FLOODWALLS                              | \$5,506                                      | \$1,322       | 24.0%     | \$6,828        | 7.4%       | \$5,912               | \$1,419       | \$7,331   | 40.0%          |            |                                                          |               |               |           |                |                  | 2033Q1       |                   | \$8,277       | \$1,986       |                                   | \$10,263  |               |           |  |  |
| 15                                   | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0.0%           |            |                                                          |               |               |           |                |                  | 0            |                   | \$0           | \$0           |                                   | \$0       |               |           |  |  |
| 15                                   | RUCTURE                                          | \$0                                          | \$0           | 24.0%     | \$0            | 0.0%       | \$0                   | \$0           | \$0       | 0.0%           |            |                                                          |               |               |           |                |                  | 0            |                   | \$0           | \$0           |                                   | \$0       |               |           |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b> |                                                  | \$166,665                                    | \$40,000      | 24.0%     | \$206,665      |            | \$179,035             | \$42,968      | \$222,003 |                |            |                                                          |               |               |           |                |                  |              |                   | \$371,039     | \$89,049      |                                   | \$460,089 |               |           |  |  |
| 01                                   | LANDS AND DAMAGES                                | \$3,515                                      | \$879         | 25.0%     | \$4,394        | 8.4%       | \$3,810               | \$953         | \$4,763   | 32.7%          |            |                                                          |               |               |           |                |                  | 2031Q2       |                   | \$5,058       | \$1,264       |                                   | \$6,322   |               |           |  |  |
| 30                                   | PLANNING, ENGINEERING & DESIGN                   | \$1,667                                      | \$400         | 24.0%     | \$2,067        | 4.0%       | \$1,733               | \$416         | \$2,149   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$2,239       | \$537         |                                   | \$2,777   |               |           |  |  |
| 1.0%                                 | Project Management                               | \$1,667                                      | \$400         | 24.0%     | \$2,067        | 4.0%       | \$1,733               | \$416         | \$2,149   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$2,239       | \$537         |                                   | \$2,777   |               |           |  |  |
| 3.0%                                 | Planning & Environmental Compliance              | \$5,000                                      | \$1,200       | 24.0%     | \$6,200        | 4.0%       | \$5,200               | \$1,248       | \$6,448   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$6,718       | \$1,612       |                                   | \$8,331   |               |           |  |  |
| 1.0%                                 | Reviews, ATRs, IEPRs, VE                         | \$1,667                                      | \$400         | 24.0%     | \$2,067        | 4.0%       | \$1,733               | \$416         | \$2,149   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$2,239       | \$537         |                                   | \$2,777   |               |           |  |  |
| 1.0%                                 | Contracting & Reprographics                      | \$1,667                                      | \$400         | 24.0%     | \$2,067        | 4.0%       | \$1,733               | \$416         | \$2,149   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$2,239       | \$537         |                                   | \$2,777   |               |           |  |  |
| 1.5%                                 | Engineering During Construction                  | \$2,500                                      | \$600         | 24.0%     | \$3,100        | 4.0%       | \$2,600               | \$624         | \$3,224   | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$3,487       | \$837         |                                   | \$4,324   |               |           |  |  |
| 1.8%                                 | Planning During Construction                     | \$3,043                                      | \$730         | 24.0%     | \$3,774        | 4.0%       | \$3,165               | \$760         | \$3,924   | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$4,245       | \$1,019       |                                   | \$5,263   |               |           |  |  |
| 1.0%                                 | Adaptive Management & Monitoring                 | \$1,667                                      | \$400         | 24.0%     | \$2,067        | 4.0%       | \$1,733               | \$416         | \$2,149   | 56.1%          |            |                                                          |               |               |           |                |                  | 2034Q1       |                   | \$2,706       | \$649         |                                   | \$3,355   |               |           |  |  |
| 0.5%                                 | Project Operations                               | \$833                                        | \$200         | 24.0%     | \$1,033        | 4.0%       | \$867                 | \$208         | \$1,075   | 29.2%          |            |                                                          |               |               |           |                |                  | 2029Q1       |                   | \$1,120       | \$269         |                                   | \$1,388   |               |           |  |  |
| 31                                   | CONSTRUCTION MANAGEMENT                          | \$8,333                                      | \$2,000       | 24.0%     | \$10,333       | 4.0%       | \$8,666               | \$2,080       | \$10,746  | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$11,623      | \$2,789       |                                   | \$14,412  |               |           |  |  |
| 5.0%                                 | Construction Management                          | \$8,333                                      | \$2,000       | 24.0%     | \$10,333       | 4.0%       | \$8,666               | \$2,080       | \$10,746  | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$11,623      | \$2,789       |                                   | \$14,412  |               |           |  |  |
| 2.0%                                 | Project Operation:                               | \$3,333                                      | \$800         | 24.0%     | \$4,133        | 4.0%       | \$3,466               | \$832         | \$4,298   | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$4,649       | \$1,116       |                                   | \$5,765   |               |           |  |  |
| 1.0%                                 | Project Management                               | \$1,740                                      | \$418         | 24.0%     | \$2,158        | 4.0%       | \$1,809               | \$434         | \$2,244   | 34.1%          |            |                                                          |               |               |           |                |                  | 2030Q1       |                   | \$2,427       | \$582         |                                   | \$3,009   |               |           |  |  |
| <b>CONTRACT COST TOTALS:</b>         |                                                  | \$204,963                                    | \$49,226      |           | \$254,190      |            | \$219,017             | \$52,602      | \$271,619 |                |            |                                                          |               |               |           |                |                  |              |                   | \$424,268     | \$101,875     |                                   | \$526,143 |               |           |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER                                  | Civil Works<br>Feature & Sub-Feature Description     | ESTIMATED COST        |          |             |         |            |                                |             |         |            |          | PROJECT FIRST COST |           |              |            |          |                               |           |              |            |          | TOTAL PROJECT COST (FULLY FUNDED) |  |  |  |  |  |  |  |  |  |
|---------------------------------------------|------------------------------------------------------|-----------------------|----------|-------------|---------|------------|--------------------------------|-------------|---------|------------|----------|--------------------|-----------|--------------|------------|----------|-------------------------------|-----------|--------------|------------|----------|-----------------------------------|--|--|--|--|--|--|--|--|--|
|                                             |                                                      | 12-Apr-21<br>1-Oct-20 |          |             |         |            | Program Year (Budget EC): 2022 |             |         |            |          | Mid-Point          |           |              |            |          | FULLY FUNDED PROJECT ESTIMATE |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
|                                             |                                                      | COST (\$K)            | CNTG (%) | TOTAL (\$K) | ESC (%) | COST (\$K) | CNTG (%)                       | TOTAL (\$K) | ESC (%) | COST (\$K) | CNTG (%) | TOTAL (\$K)        | Date      | Inflated (%) | COST (\$K) | CNTG (%) | FULL (\$K)                    | Date      | Inflated (%) | COST (\$K) | CNTG (%) | FULL (\$K)                        |  |  |  |  |  |  |  |  |  |
| <b>Civil Works Work Breakdown Structure</b> |                                                      |                       |          |             |         |            |                                |             |         |            |          |                    |           |              |            |          |                               |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
| A                                           | REACH LGM Inducements C-South/B-North & South/A-West |                       |          |             |         |            |                                |             |         |            |          |                    |           |              |            |          |                               |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
| 02                                          | RELOCATIONS                                          | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 05                                          | LOCKS                                                | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 06                                          | FISH & WILDLIFE FACILITIES                           | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 06                                          | FISH & WILDLIFE FACILITIES                           | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                          | LEVEES & FLOODWALLS                                  | \$16,513              | 24.0%    | \$20,477    | 7.4%    | \$17,729   | 7.4%                           | \$4,255     | 7.4%    | \$21,984   | 2028Q2   | 21.1%              | \$21,475  | 7.4%         | \$26,629   | 2040Q1   | 73.4%                         | \$17,265  | 7.4%         | \$5,154    | 7.4%     | \$26,629                          |  |  |  |  |  |  |  |  |  |
| 11                                          | LEVEES & FLOODWALLS                                  | \$38,650              | 24.0%    | \$47,926    | 7.4%    | \$41,496   | 7.4%                           | \$9,959     | 7.4%    | \$51,455   | 2040Q1   | 0.0%               | \$0       | 7.4%         | \$89,204   | 2040Q1   | 0.0%                          | \$71,939  | 7.4%         | \$17,265   | 7.4%     | \$89,204                          |  |  |  |  |  |  |  |  |  |
| 11                                          | LEVEES & FLOODWALLS                                  | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                          | LEVEES & FLOODWALLS                                  | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 11                                          | LEVEES & FLOODWALLS                                  | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 15                                          | RUCTURE                                              | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 15                                          | RUCTURE                                              | \$0                   | 24.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| <b>CONSTRUCTION ESTIMATE TOTALS:</b>        |                                                      |                       |          |             |         |            |                                |             |         |            |          |                    |           |              |            |          |                               |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
|                                             |                                                      | \$55,164              | 24.0%    | \$68,403    | 0.0%    | \$59,225   | 24.0%                          | \$14,214    | 0.0%    | \$73,439   |          |                    | \$93,413  | 0.0%         | \$22,419   |          |                               | \$115,833 | 0.0%         | \$0        |          | \$0                               |  |  |  |  |  |  |  |  |  |
| 01                                          | LANDS AND DAMAGES                                    | \$0                   | 25.0%    | \$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        | 0.0%     | \$0                               |  |  |  |  |  |  |  |  |  |
| 30                                          | PLANNING, ENGINEERING & DESIGN                       |                       |          |             |         |            |                                |             |         |            |          |                    |           |              |            |          |                               |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Project Management                                   | \$552                 | 24.0%    | \$684       | 4.0%    | \$574      | 4.0%                           | \$138       | 4.0%    | \$711      | 2025Q1   | 11.5%              | \$640     | 4.0%         | \$154      | 2025Q1   | 11.5%                         | \$640     | 4.0%         | \$154      | 11.5%    | \$793                             |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Planning & Environmental Compliance                  | \$552                 | 24.0%    | \$684       | 4.0%    | \$574      | 4.0%                           | \$138       | 4.0%    | \$711      | 2025Q1   | 11.5%              | \$640     | 4.0%         | \$154      | 2025Q1   | 11.5%                         | \$640     | 4.0%         | \$154      | 11.5%    | \$793                             |  |  |  |  |  |  |  |  |  |
| 3.0%                                        | Engineering & Design                                 | \$1,655               | 24.0%    | \$2,052     | 4.0%    | \$1,721    | 4.0%                           | \$413       | 4.0%    | \$2,134    | 2025Q1   | 11.5%              | \$1,920   | 4.0%         | \$461      | 2025Q1   | 11.5%                         | \$1,920   | 4.0%         | \$461      | 11.5%    | \$2,380                           |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Reviews, ATRs, IEPRs, VE                             | \$552                 | 24.0%    | \$684       | 4.0%    | \$574      | 4.0%                           | \$138       | 4.0%    | \$711      | 2025Q1   | 11.5%              | \$640     | 4.0%         | \$154      | 2025Q1   | 11.5%                         | \$640     | 4.0%         | \$154      | 11.5%    | \$793                             |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Contracting & Reprographics                          | \$552                 | 24.0%    | \$684       | 4.0%    | \$574      | 4.0%                           | \$138       | 4.0%    | \$711      | 2025Q1   | 11.5%              | \$640     | 4.0%         | \$154      | 2025Q1   | 11.5%                         | \$640     | 4.0%         | \$154      | 11.5%    | \$793                             |  |  |  |  |  |  |  |  |  |
| 1.5%                                        | Engineering During Construction                      | \$827                 | 24.0%    | \$1,026     | 4.0%    | \$860      | 4.0%                           | \$207       | 4.0%    | \$1,067    | 2028Q1   | 24.5%              | \$1,071   | 4.0%         | \$257      | 2028Q1   | 24.5%                         | \$1,071   | 4.0%         | \$257      | 24.5%    | \$1,328                           |  |  |  |  |  |  |  |  |  |
| 1.8%                                        | Planning During Construction                         | \$1,007               | 24.0%    | \$1,249     | 4.0%    | \$1,048    | 4.0%                           | \$251       | 4.0%    | \$1,299    | 2028Q1   | 24.5%              | \$1,304   | 4.0%         | \$313      | 2028Q1   | 24.5%                         | \$1,304   | 4.0%         | \$313      | 24.5%    | \$1,617                           |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Adaptive Management & Monitoring                     | \$552                 | 24.0%    | \$684       | 4.0%    | \$574      | 4.0%                           | \$138       | 4.0%    | \$711      | 2030Q1   | 34.1%              | \$769     | 4.0%         | \$185      | 2030Q1   | 34.1%                         | \$769     | 4.0%         | \$185      | 34.1%    | \$954                             |  |  |  |  |  |  |  |  |  |
| 0.5%                                        | Project Operations                                   | \$276                 | 24.0%    | \$342       | 4.0%    | \$287      | 4.0%                           | \$69        | 4.0%    | \$356      | 2025Q1   | 11.5%              | \$320     | 4.0%         | \$77       | 2025Q1   | 11.5%                         | \$320     | 4.0%         | \$77       | 11.5%    | \$397                             |  |  |  |  |  |  |  |  |  |
| 31                                          | CONSTRUCTION MANAGEMENT                              |                       |          |             |         |            |                                |             |         |            |          |                    |           |              |            |          |                               |           |              |            |          |                                   |  |  |  |  |  |  |  |  |  |
| 5.0%                                        | Construction Management                              | \$2,758               | 24.0%    | \$3,420     | 4.0%    | \$2,868    | 4.0%                           | \$688       | 4.0%    | \$3,557    | 2028Q1   | 24.5%              | \$3,570   | 4.0%         | \$857      | 2028Q1   | 24.5%                         | \$3,570   | 4.0%         | \$857      | 24.5%    | \$4,427                           |  |  |  |  |  |  |  |  |  |
| 2.0%                                        | Project Operator:                                    | \$1,103               | 24.0%    | \$1,368     | 4.0%    | \$1,147    | 4.0%                           | \$275       | 4.0%    | \$1,423    | 2028Q1   | 24.5%              | \$1,428   | 4.0%         | \$343      | 2028Q1   | 24.5%                         | \$1,428   | 4.0%         | \$343      | 24.5%    | \$1,771                           |  |  |  |  |  |  |  |  |  |
| 1.0%                                        | Project Management                                   | \$576                 | 24.0%    | \$714       | 4.0%    | \$599      | 4.0%                           | \$144       | 4.0%    | \$743      | 2028Q1   | 24.5%              | \$746     | 4.0%         | \$179      | 2028Q1   | 24.5%                         | \$746     | 4.0%         | \$179      | 24.5%    | \$924                             |  |  |  |  |  |  |  |  |  |
| <b>CONTRACT COST TOTALS:</b>                |                                                      | \$66,876              | 24.0%    | \$82,679    | 0.0%    | \$71,197   | 24.0%                          | \$17,087    | 0.0%    | \$88,284   |          |                    | \$107,741 | 0.0%         | \$25,858   |          |                               | \$133,599 | 0.0%         | \$0        |          | \$0                               |  |  |  |  |  |  |  |  |  |

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

\*\*\*\* CONTRACT COST SUMMARY \*\*\*\*

PROJECT: Morganza to the Gulf  
 LOCATION: Morganza to the Gulf  
 This Estimate reflects the scope and schedule in report;

DISTRICT: MVN District  
 POC: CHIEF, COST ENGINEERING, John Pettibon

PREPARED: 4/12/2021

Morganza to the Gulf of Mexico, Louisiana Level 3 Econ Reevaluation Report

| WBS NUMBER | Civil Works<br>Feature & Sub-Feature Description | ESTIMATED COST        |               |           |                |            |                                                                        |               |               |           |                | PROJECT FIRST COST<br>(Assess and Budget Basis) |   |      |               |     |                               |     |               |     |               | TOTAL PROJECT COST (FULLY FUNDED) |  |  |  |  |  |  |  |  |  |
|------------|--------------------------------------------------|-----------------------|---------------|-----------|----------------|------------|------------------------------------------------------------------------|---------------|---------------|-----------|----------------|-------------------------------------------------|---|------|---------------|-----|-------------------------------|-----|---------------|-----|---------------|-----------------------------------|--|--|--|--|--|--|--|--|--|
|            |                                                  | 12-Apr-21<br>1-Oct-20 |               |           |                |            | Program Year (Budget EC): 2022<br>Effective Price Level Date: 1 OCT 21 |               |               |           |                | Mid-Point Date                                  |   |      |               |     | FULLY FUNDED PROJECT ESTIMATE |     |               |     |               | FULLY FUNDED PROJECT ESTIMATE     |  |  |  |  |  |  |  |  |  |
|            |                                                  | COST<br>(\$K)         | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>% | ESC<br>%                                                               | COST<br>(\$K) | CNTG<br>(\$K) | CNTG<br>% | TOTAL<br>(\$K) | TOTAL<br>%                                      | P | Date | INFLATED<br>% | L   | COST<br>(\$K)                 | M   | CNTG<br>(\$K) | N   | FULL<br>(\$K) | O                                 |  |  |  |  |  |  |  |  |  |
|            |                                                  | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 02         | RELOCATIONS                                      | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 05         | LOCKS                                            | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 06         | FISH & WILDLIFE FACILITIES                       | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 06         | FISH & WILDLIFE FACILITIES                       | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 11         | LEVEES & FLOODWALLS                              | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 11         | LEVEES & FLOODWALLS                              | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 11         | LEVEES & FLOODWALLS                              | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
| 11         | LEVEES & FLOODWALLS                              | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | STRUCTURE                                        | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | <b>CONSTRUCTION ESTIMATE TOTALS:</b>             | \$0                   | \$0           | 0.0%      | \$0            | 0.0%       | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | LANDS AND DAMAGES                                | \$0                   | \$0           | 25.0%     | \$0            | 25.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Project Management                          | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Planning & Environmental Compliance         | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 3.0% Engineering & Design                        | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Reviews, ATRs, IEPRs, VE                    | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0%                                             | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Contracting & Reprographics                 | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.5% Engineering During Construction             | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.8% Planning During Construction                | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Adaptive Management & Monitoring            | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 0.5% Project Operations                          | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 5.0% Construction Management                     | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 2.0% Project Operation:                          | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | 1.0% Project Management                          | \$0                   | \$0           | 24.0%     | \$0            | 24.0%      | \$0                                                                    | \$0           | 0.0%          | \$0       | 0.0%           | 0                                               |   | 0.0% |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |
|            | <b>CONTRACT COST TOTALS:</b>                     | \$0                   | \$0           |           | \$0            |            | \$0                                                                    | \$0           |               | \$0       |                | 0                                               |   |      |               | \$0 | \$0                           | \$0 | \$0           | \$0 | \$0           |                                   |  |  |  |  |  |  |  |  |  |

# Mii Cost Estimate

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Morganza to the Gulf PAC - 100 yr Protection incl extended reaches  
Post Authorization Change Report  
Terrebonne and Lafourche Parishes, LA

Estimated by  
Designed by New Orleans District  
Prepared by Steven Lowrie, John Petitbon

Preparation Date 4/5/2021  
Effective Date of Pricing 4/5/2021  
Estimated Construction Time Days

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| Date     | Author | Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 1/4/2021 | SPL    | <p>Cost Estimate Section 1. Cost estimate development a) The project cost estimate was developed in the TRACES MII cost estimating software and used the standard approaches for a feasibility estimate structure regarding labor, equipment, materials, crews, unit prices, quotes, sub- and prime contractor markups. This philosophy was taken wherever practical within the time constraints. It was supplemented with estimating information from other sources where necessary such as quotes, bid data, and A-E estimates. The intent was to provide or convey a "fair and reasonable" estimate that which depicts the local market conditions. The estimates assume a typical application of tiering subcontractors. Given the long time over which this project/program is to be constructed and the unknown economic status during that time, demands from non-governmental civil works projects were not considered to dampen the competition and increase prices. Section 2. Estimate Structure: a) The estimate is structured to reflect the projects performed. The estimates are subdivided by USACE feature codes and by local "reach" name. Section 3. Bid competition: a) It is assumed that there will not be an economically saturated market and that bidding competition will be present. Section 4. Contract Acquisition Strategy: a) It is assumed that the contract acquisition strategy will be similar to past projects with some negotiated contracts, focus and preference of small business/8(a), and large, unrestricted design/bid/build contracts. There is no declared contract acquisition plan/types at this time, so typical MVN goals for small business/set-aside contracts have been included on overall cost basis by assigning approximately 25% of construction dollars to the small business/set-aside contractor type. Section 5. Labor Shortages: a) It is assumed there will be a normal labor market. Section 6. Labor Rates: a) Local labor market wages are above the local Davis-Bacon Wage Determination and actual rates have been used. This is based upon local information and payroll data received from the New Orleans District Construction Representatives and estimators with experiences in past years. Section 7. Materials: a) Cost quotes are used on major construction items when available. Recent quotes may include borrow material, concrete, steel and concrete piling, rock, gravel and sand. Assumptions include: i) Materials will be purchased as part of the construction contract. The estimate does not anticipate government furnished materials. Prices include delivery of materials. ii) Concrete - will be purchased from commercial batch plants. iii) Borrow Material and Haul - Local have done one lift on most reaches for Morgazna to the Gulf. Also, borrow location and haul distances were able to be better defined. All borrow material is assumed Government furnished as it is a local sponsor responsibility. NO contractor furnished borrow source are used. b) The borrow quantity calculations followed the MVN Geotechnical guidance: c) Hauled Levee: 10 BCY of borrow material = 12 LCY hauled = 8 ECY compacted. d) An assumed average one-way haul distance of 7 miles for 100yr was used due to a committed borrow source being confirmed available. Adjacent borrow was assumed for Reach Barrier, A, B, and Larose to Lockport and the one-way haul distance was reduced to 3 miles. This decision is based upon the existing lifts that have been built by the sponsors and discussions with the New Orleans District cost engineers and MtoG PDT. e) Haul speeds are estimated using 40 mph speed average given the long distances and rural areas. Since adjacent borrow was designated for Reach Barrier, A, B and Larose to Lockport, average speed was reduced to 25 mph. f) Rock and stone - The New Orleans delta area has no rock sources. Historically, rock is barged from northern sources on the Mississippi River. This decision is based upon local knowledge, experience and supported with cost quotes. Section 8. Equipment: a) Rates used are based from the latest USACE EP-1110-1-8, Region III. Adjustments are made for fuel and facility capital cost of money (FCCM). Judicious use of owned versus rental rates was considered based on typical contractor usage and local equipment availability. Only a few select pieces of marine \ marsh equipment are considered rental. Full FCCM/Cost of Money rate is latest available; Mii program takes EP recommended discount, no other adjustments have been made to the FCCM. i) Trucking: The estimate assumed independent self-employed trucking subcontractors due to the large numbers of trucks required. ii) Dozers: dozers of the D-5/D-6 variety were chosen based on historical knowledge. Heavier equipment gets mired in the mud and soft soils. iii) Rental Rates: Rental rates were used for various pieces of marine and marsh equipment where rental is typical such as marsh backhoes. Section 9. Fuel: a) Fuels (gasoline, on and off -road diesel) were based on local market averages for on-road and off-road for the Gulf Coast area. The Team found that fuels fluctuate irrationally; thus, used an average. Section 10. Crews: a) Major crew and productivity rates were developed and studied by senior USACE estimators familiar with the type of work. All of the work is typical to the New Orleans District. The crews and productivities were checked by local MVN estimators, discussions with contractors and comparisons with historical cost data. Major crews include haul, earthwork, piling, concrete, and deep soil mixing. b) Most crew work hours are assumed to be 10 hrs 6 days/wk which is typical to the area. Marine based bucket excavation/dredging operations for levee construction are assumed to work 2-12 hours shifts 7 days / week. c) A 10% "markup on labor for weather delay" is selectively applied to the labor in major earthwork placing detail items and associated items that would be affected by small amounts of weather making it unsafe or difficult to place (trying to run dump trucks on a wet levee) or be detrimental/non-compliant to the work being done (trying to place/compact material in the rain). The 10% markup is to cover the common practice of paying for labor "showing up" to the job site and then being sent home due to minor weather which is part of known average weather impacts as reflected within the standard contract specifications. Section 11. Unit Prices: a) The unit prices found within the various project estimates will fluctuate within a range between similar construction units such as floodwall concrete, earthwork, and piling. Variances are a result of differing haul distances (trucked or barged), small or large business markups, subcontracted items, designs and estimates by others. Section 12. Relocation Cost: a) Relocation costs are defined as the relocation of public roads, bridges, railroads, and utilities required for project purposes. In cases where potential significant impacts were known, costs were included within the cost estimate. Section 13. Mobilization: a) Contractor mobilization and demobilization are based on the assumption that most of the contractors will be coming from within the Gulf Coast/Southern region. Mob/demob costs are based on historical studies of detailed Government estimate mob/demobs which averaged 4.9 to 5% of the construction costs. With undefined acquisition strategies and assumed individual project limits for the large number of potential contracts in this program, the estimate utilizes a more comprehensive approx. 5% value applied at each contract rather than risking minimizing mob/demob costs by detailing costs based on an assumed number of contracts. The 5% value also matches well with the 5% value previously prescribed by Walla Walla District, which has studied historical rates. Section 14. Field Office Overhead: a) The estimate used a field office overhead rate of 12% for the prime contractors at budget level development.</p> |

| Date     | Author | Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               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| 1/4/2021 | SPL    | <p>Based on historical studies and experience, Walla Walla District has recommended typical rates ranging from 9% to 11% for large civil works projects; however, the 9-11% rate does not consider possible incentives such as camps, allowances, travel trailers, meals, etc. which have been used previously to facilitate projects. With undefined acquisition strategies and assumed individual project limits for the large number of potential contracts in this program, the estimate utilizes a more comprehensive percentage based approach applied at each contract rather than risking minimizing overhead costs by detailing costs based on an assumed number of contracts. The applied rates were previously discussed among numerous USACE District cost engineers including Walla Walla, Vicksburg, Norfolk, Huntington, St. Paul and New Orleans. Section 15.Overhead assumptions may include: a)Superintendent, office manager, pickups, periodic travel, costs, communications, temporary offices (contractor and government), office furniture, office supplies, computers and software, as-built drawings and minor designs, tool trailers, staging setup, camp and kitchen maintenance and utilities, utility service, toilets, safety equipment, security and fencing, small hand and power tools, project signs, traffic control, surveys, temp fuel tank station, generators, compressors, lighting, and minor miscellaneous. Section 16.Home Office Overhead: a) Estimate percentages range based upon consideration of 8(a), small business and unrestricted prime contractors. The rates are based upon estimating and negotiating experience, and consultation with local construction representatives. Different percents are used when considering the contract acquisition strategy regarding small business 8(a), competitive small business and large business, high to low respectively. The applied rates were previously discussed among numerous USACE District cost engineers including Walla Walla, Vicksburg, Norfolk, Huntington, St. Paul and New Orleans. Section 17.Taxes: a)Local taxes will be applied, using an average between the parishes that contain the work. Reference the LA parish tax rate website: <a href="http://www.laota.com/pta.htm">http://www.laota.com/pta.htm</a> Section 18.Bond: a)Bond is assumed 1% applied against the prime contractor, assuming large contracts. No differentiation was made between large and small businesses. Section 19.E&amp;D and S&amp;A: a)USACE Costs to manage design (PED) and construction (S&amp;A) are based on New Orleans District Programmatic Cost Estimate guidance: i)Planning, Engineering &amp; Design (PED): The PED cost includes such costs as project management, engineering, planning, designs, investigations, studies, reviews, value engineering and engineering during construction (EDC). Historically New Orleans District has used an approximate 12.828% rate for E&amp;D/EDC, applied against the estimated construction costs. Other USACE civil works districts such as St. Paul, Memphis and St. Louis have reported values ranging from 10-15%. Additional costs were added for project management, engineering, planning, designs, investigations, studies, reviews, value engineering. Specific PED costs were originally calculated and then that same percentage was carried forward on all future updates. ii) Supervision &amp; Administration (S&amp;A): Historically, New Orleans District used a range from 5% to 15% depending on project size and type applied against the estimated construction costs. Other USACE civil works districts such as St. Paul, Memphis and St. Louis report values ranging from 7.5-10%. Consideration includes that a portion of the S&amp;A effort could be performed by contractors. Based on discussions with MVN Construction Division, an S&amp;A cost based on contract durations was developed. Specific S&amp;A costs were originally calculated and then that same percentage (8.044%) was carried forward on all future updates. Section 20.Contingencies: a)Contingencies were developed using the USACE Cost and Schedule Risk Analysis (CSRA) process and the Crystal Ball software that evaluates schedule and cost related risks. See summary in Cost Schedule Risk Analysis (CSRA) section. Section 21.Escalation: a)Escalation used in the TPCS is based upon the US Army Corps of Engineers Engineering Manual (EM) 1110-2-1304 Civil Works Construction Cost Index System (CWCCIS) revised 30 Sept 2020. Section 22.HTRW: a) The estimate includes no costs for any potential Hazardous, Toxic, and Radioactive Waste (HTRW) concerns. Phase 1 HTRW investigations are already complete and the result of this investigation is that no further investigation is recommended. Schedule The project schedule was developed based on the construction of the individual features of work to include the entire 1% AEP Morganza to the Gulf program which includes construction of earthen levees, floodwalls, floodgates, and other structures along a 98-mile alignment south of Houma. The alignment is sub-divided into 14 main reaches (Barrier, A, B, E, F, G, H, I, J, K, L, Larose C-North, and Lockport to Larose). Structures include a multi-purpose lock, 22 navigable floodgates, 23 environmental water control structures, 9 road / RR gates, and fronting protection for 4 existing pumping stations. The structures located on Federally maintained navigation channels include a 110-ft wide by 800-ft long lock with an adjacent 250-ft wide sector gate on the Houma Navigation Canal and two 125-ft sector gates on the GIWW east and west of Houma. Fourteen 56-ft barge gates and five 20- to 30-ft stop log gates are located on various waterways that cross the levee system.</p> |

| Description                                                | Quantity      | UOM        | ContractCost            | Contingency | Escalation  | ProjectCost             |
|------------------------------------------------------------|---------------|------------|-------------------------|-------------|-------------|-------------------------|
| <b>bid schedule summary</b>                                |               |            | <b>3,696,814,285.12</b> | <b>0.00</b> | <b>0.00</b> | <b>3,738,706,325.25</b> |
| <b>02 Relocations</b>                                      | <b>1.0000</b> | <b>LS</b>  | <b>182,139,304.93</b>   | <b>0.00</b> | <b>0.00</b> | <b>224,031,345.06</b>   |
|                                                            |               |            | <i>15,188,015.83</i>    |             |             | <i>18,681,259.47</i>    |
| <b>02 01 Roads - MtoG</b>                                  | <b>1.0000</b> | <b>JOB</b> | <b>15,188,015.83</b>    | <b>0.00</b> | <b>0.00</b> | <b>18,681,259.47</b>    |
|                                                            |               |            | <i>12,816,167.32</i>    |             |             | <i>15,763,885.80</i>    |
| <b>Barrier-R Barrier Reach</b>                             | <b>1.0000</b> | <b>EA</b>  | <b>12,816,167.32</b>    | <b>0.00</b> | <b>0.00</b> | <b>15,763,885.80</b>    |
|                                                            |               |            | <i>474,369.70</i>       |             |             | <i>583,474.74</i>       |
| <b>ReachE2-R Reach E2</b>                                  | <b>1.0000</b> | <b>EA</b>  | <b>474,369.70</b>       | <b>0.00</b> | <b>0.00</b> | <b>583,474.74</b>       |
|                                                            |               |            | <i>474,369.70</i>       |             |             | <i>583,474.74</i>       |
| <b>ReachG1-R Reach G1</b>                                  | <b>1.0000</b> | <b>EA</b>  | <b>474,369.70</b>       | <b>0.00</b> | <b>0.00</b> | <b>583,474.74</b>       |
|                                                            |               |            | <i>474,369.70</i>       |             |             | <i>583,474.74</i>       |
| <b>ReachH1-R Reach H1</b>                                  | <b>1.0000</b> | <b>EA</b>  | <b>474,369.70</b>       | <b>0.00</b> | <b>0.00</b> | <b>583,474.74</b>       |
|                                                            |               |            | <i>474,369.70</i>       |             |             | <i>583,474.74</i>       |
| <b>ReachI2-R Reach I2</b>                                  | <b>1.0000</b> | <b>EA</b>  | <b>474,369.70</b>       | <b>0.00</b> | <b>0.00</b> | <b>583,474.74</b>       |
|                                                            |               |            | <i>474,369.70</i>       |             |             | <i>583,474.74</i>       |
| <b>ReachJ3-R Reach J3</b>                                  | <b>1.0000</b> | <b>EA</b>  | <b>474,369.70</b>       | <b>0.00</b> | <b>0.00</b> | <b>583,474.74</b>       |
|                                                            |               |            | <i>137,458,260.35</i>   |             |             | <i>169,073,660.24</i>   |
| <b>02 03 Cementeries, Utilities, and Structures - MtoG</b> | <b>1.0000</b> | <b>JOB</b> | <b>137,458,260.35</b>   | <b>0.00</b> | <b>0.00</b> | <b>169,073,660.24</b>   |
|                                                            |               |            | <i>15,986,499.16</i>    |             |             | <i>19,663,393.96</i>    |
| <b>Barrier-R Barrier Reach</b>                             | <b>1.0000</b> | <b>EA</b>  | <b>15,986,499.16</b>    | <b>0.00</b> | <b>0.00</b> | <b>19,663,393.96</b>    |
|                                                            |               |            | <i>7,745,836.86</i>     |             |             | <i>9,527,379.33</i>     |
| <b>ReachA-R Reach A</b>                                    | <b>1.0000</b> | <b>EA</b>  | <b>7,745,836.86</b>     | <b>0.00</b> | <b>0.00</b> | <b>9,527,379.33</b>     |
| <b>ReachB-R Reach B</b>                                    | <b>1.0000</b> | <b>LS</b>  | <b>1,732,250.57</b>     | <b>0.00</b> | <b>0.00</b> | <b>2,130,668.20</b>     |
| <b>ReachE1-R Reach E-1</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>181,447.18</b>       | <b>0.00</b> | <b>0.00</b> | <b>223,180.03</b>       |
|                                                            |               |            | <i>4,162,967.92</i>     |             |             | <i>5,120,450.55</i>     |
| <b>ReachE2-R Reach E-2</b>                                 | <b>1.0000</b> | <b>EA</b>  | <b>4,162,967.92</b>     | <b>0.00</b> | <b>0.00</b> | <b>5,120,450.55</b>     |
| <b>ReachF1-R Reach F-1</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |
|                                                            |               |            | <i>0.00</i>             |             |             | <i>0.00</i>             |
| <b>ReachF2-R Reach F-2</b>                                 | <b>1.0000</b> | <b>EA</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |
| <b>ReachG1-R Reach G-1</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |
| <b>ReachG2-R Reach G-2</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |
| <b>ReachG3-R Reach G-3</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |
|                                                            |               |            | <i>1,058,832.75</i>     |             |             | <i>1,302,364.29</i>     |
| <b>ReachH1-R Reach H-1</b>                                 | <b>1.0000</b> | <b>EA</b>  | <b>1,058,832.75</b>     | <b>0.00</b> | <b>0.00</b> | <b>1,302,364.29</b>     |
| <b>ReachH2-R Reach H-2</b>                                 | <b>1.0000</b> | <b>LS</b>  | <b>0.00</b>             | <b>0.00</b> | <b>0.00</b> | <b>0.00</b>             |

| Description                                                                          | Quantity | UOM | ContractCost   | Contingency | Escalation | ProjectCost    |
|--------------------------------------------------------------------------------------|----------|-----|----------------|-------------|------------|----------------|
| ReachI1-R Reach I-1                                                                  | 1.0000   | LS  | 0.00           | 0.00        | 0.00       | 0.00           |
|                                                                                      |          |     | 910,153.89     |             |            | 1,119,489.29   |
| ReachI2-R Reach I-2                                                                  | 1.0000   | EA  | 910,153.89     | 0.00        | 0.00       | 1,119,489.29   |
|                                                                                      |          |     | 35,518,489.40  |             |            | 43,687,741.96  |
| ReachI3-R Reach I-3                                                                  | 1.0000   | EA  | 35,518,489.40  | 0.00        | 0.00       | 43,687,741.96  |
|                                                                                      |          |     | 14,286,272.84  |             |            | 17,572,115.59  |
| ReachJ1-R Reach J-1                                                                  | 1.0000   | EA  | 14,286,272.84  | 0.00        | 0.00       | 17,572,115.59  |
| ReachJ2-R Reach J-2                                                                  | 1.0000   | LS  | 40,958,203.76  | 0.00        | 0.00       | 50,378,590.63  |
|                                                                                      |          |     | 4,908,573.38   |             |            | 6,037,545.26   |
| ReachJ3-R Reach J-3                                                                  | 1.0000   | EA  | 4,908,573.38   | 0.00        | 0.00       | 6,037,545.26   |
|                                                                                      |          |     | 10,008,732.63  |             |            | 12,310,741.13  |
| ReachL-R Reach L                                                                     | 1.0000   | EA  | 10,008,732.63  | 0.00        | 0.00       | 12,310,741.13  |
|                                                                                      |          |     | 20,364,330.84  |             |            | 25,048,126.93  |
| 02 03 Cementeries, Utilities, and Structures - Lockport to Larose reach              | 1.0000   | JOB | 20,364,330.84  | 0.00        | 0.00       | 25,048,126.93  |
|                                                                                      |          |     | 20,364,330.84  |             |            | 25,048,126.93  |
| ReachLockport Lockport to Larose reach                                               | 1.0000   | EA  | 20,364,330.84  | 0.00        | 0.00       | 25,048,126.93  |
|                                                                                      |          |     | 9,128,697.91   |             |            | 11,228,298.43  |
| 02 03 Cementeries, Utilities, and Structures - Larose to Golden Meadow C-North reach | 1.0000   | JOB | 9,128,697.91   | 0.00        | 0.00       | 11,228,298.43  |
|                                                                                      |          |     | 9,128,697.91   |             |            | 11,228,298.43  |
| ReachLGM Larose to Golden Meadow C-North reach                                       | 1.0000   | EA  | 9,128,697.91   | 0.00        | 0.00       | 11,228,298.43  |
| 05 Locks                                                                             | 1.0000   | LS  | 314,140,514.00 | 0.00        | 0.00       | 314,140,514.00 |
|                                                                                      |          |     | 314,140,514.00 |             |            | 314,140,514.00 |
| 05 01 Houma Navigational Canal                                                       | 1.0000   | EA  | 314,140,514.00 | 0.00        | 0.00       | 314,140,514.00 |
|                                                                                      |          |     | 314,140,514.00 |             |            | 314,140,514.00 |
| 05 01 Reach F-1/G-1                                                                  | 1.0000   | EA  | 314,140,514.00 | 0.00        | 0.00       | 314,140,514.00 |
|                                                                                      |          |     | 344,354,839.00 |             |            | 344,354,839.00 |
| 06 Fish and Wildlife Facilities                                                      | 1.0000   | EA  | 344,354,839.00 | 0.00        | 0.00       | 344,354,839.00 |
|                                                                                      |          |     | 241,700,745.04 |             |            | 241,700,745.04 |
| 06 Fish and Wildlife Facilities                                                      | 1.0000   | JOB | 241,700,745.04 | 0.00        | 0.00       | 241,700,745.04 |
|                                                                                      |          |     | 228,352,930.79 |             |            | 228,352,930.79 |
| 06 01 Environmental Control Structures - MtoG                                        | 1.0000   | EA  | 228,352,930.79 | 0.00        | 0.00       | 228,352,930.79 |
|                                                                                      |          |     | 68,282,272.13  |             |            | 68,282,272.13  |
| 1 Barrier Alignment                                                                  | 1.0000   | EA  | 68,282,272.13  | 0.00        | 0.00       | 68,282,272.13  |
|                                                                                      |          |     | 11,947,508.33  |             |            | 11,947,508.33  |
| 2 Reach A                                                                            | 1.0000   | EA  | 11,947,508.33  | 0.00        | 0.00       | 11,947,508.33  |

| Description                                                 | Quantity    | UOM | ContractCost     | Contingency | Escalation | ProjectCost      |
|-------------------------------------------------------------|-------------|-----|------------------|-------------|------------|------------------|
| 3 Reach E-2                                                 | 1.0000      | EA  | 12,226,348.28    | 0.00        | 0.00       | 12,226,348.28    |
| 4 Reach E-1                                                 | 1.0000      | EA  | 12,209,090.17    | 0.00        | 0.00       | 12,209,090.17    |
| 5 Reach G-2                                                 | 1.0000      | EA  | 21,176,587.79    | 0.00        | 0.00       | 21,176,587.79    |
| 6 Reach G-3                                                 | 1.0000      | EA  | 11,125,387.69    | 0.00        | 0.00       | 11,125,387.69    |
| 6 Reach H-1                                                 | 1.0000      | EA  | 20,374,084.92    | 0.00        | 0.00       | 20,374,084.92    |
| 7 Reach J-2                                                 | 1.0000      | JOB | 39,072,419.66    | 0.00        | 0.00       | 39,072,419.66    |
| 8 Reach K                                                   | 1.0000      | EA  | 20,031,455.50    | 0.00        | 0.00       | 20,031,455.50    |
| 10 Reach L                                                  | 1.0000      | EA  | 11,907,776.32    | 0.00        | 0.00       | 11,907,776.32    |
| 06 02 Environmental Control Structures - Lockport to Larose | 1.0000      | EA  | 13,347,814.25    | 0.00        | 0.00       | 13,347,814.25    |
| 7 Lockport to Larose                                        | 1.0000      | EA  | 13,347,814.25    | 0.00        | 0.00       | 13,347,814.25    |
| 11 Levees                                                   | 1.0000      | JOB | 1,707,595,566.01 | 0.00        | 0.00       | 1,707,595,566.01 |
| 11 01 Levee - MtoG 100 yr                                   | 1.0000      | JOB | 1,652,431,885.63 | 0.00        | 0.00       | 1,652,431,885.63 |
| 1 Reach Barrier Alignment                                   | 83,081.0000 | LF  | 133,284,923.16   | 0.00        | 0.00       | 133,284,923.16   |
| 2 Reach A                                                   | 43,184.0000 | LF  | 133,429,291.35   | 0.00        | 0.00       | 133,429,291.35   |
| 3 Reach B                                                   | 26,786.0000 | LF  | 78,593,133.58    | 0.00        | 0.00       | 78,593,133.58    |
| 4 Reach E-1, E-2                                            | 22,966.0000 | LF  | 72,092,518.46    | 0.00        | 0.00       | 72,092,518.46    |
| 5 Reach F                                                   | 22,583.0000 | LF  | 49,851,140.81    | 0.00        | 0.00       | 49,851,140.81    |
| 6 Reach G-1, G-2, G-3                                       | 24,388.0000 | LF  | 65,698,712.05    | 0.00        | 0.00       | 65,698,712.05    |

| Description                                      | Quantity    | UOM | ContractCost   | Contingency | Escalation | ProjectCost    |
|--------------------------------------------------|-------------|-----|----------------|-------------|------------|----------------|
|                                                  |             |     | 4,373.27       |             |            | 4,373.27       |
| 7 Reach H-1, H-2, H-3                            | 41,366.0000 | LF  | 180,904,514.75 | 0.00        | 0.00       | 180,904,514.75 |
|                                                  |             |     | 5,284.49       |             |            | 5,284.49       |
| 8 Reach I                                        | 30,168.0000 | LF  | 159,422,358.66 | 0.00        | 0.00       | 159,422,358.66 |
|                                                  |             |     | 4,342.27       |             |            | 4,342.27       |
| 9 Reach J-1, J-2, J-3                            | 49,357.0000 | LF  | 214,321,449.09 | 0.00        | 0.00       | 214,321,449.09 |
|                                                  |             |     | 205,381,824.37 |             |            | 205,381,824.37 |
| 10 Reach K                                       | 1.0000      | EA  | 205,381,824.37 | 0.00        | 0.00       | 205,381,824.37 |
|                                                  |             |     | 176,138,706.36 |             |            | 176,138,706.36 |
| 11 Reach L                                       | 1.0000      | LF  | 176,138,706.36 | 0.00        | 0.00       | 176,138,706.36 |
|                                                  |             |     | 1,638.27       |             |            | 1,638.27       |
| 12 Larose to Golden Meadow C North Reach         | 36,960.0000 | LF  | 60,550,421.83  | 0.00        | 0.00       | 60,550,421.83  |
|                                                  |             |     | 1,583.40       |             |            | 1,583.40       |
| 13 Lockport to Larose Reach                      | 77,531.0000 | LF  | 122,762,891.15 | 0.00        | 0.00       | 122,762,891.15 |
|                                                  |             |     | 55,163,680.39  |             |            | 55,163,680.39  |
| 11 01 Levee - LGM Induced flooding reach         | 1.0000      | JOB | 55,163,680.39  | 0.00        | 0.00       | 55,163,680.39  |
|                                                  |             |     | 55,163,680.39  |             |            | 55,163,680.39  |
| 1 Levee - LGM Induced flooding reach             | 1.0000      | EA  | 55,163,680.39  | 0.00        | 0.00       | 55,163,680.39  |
|                                                  |             |     | 226,556,876.20 |             |            | 226,556,876.20 |
| 11 Floodwall                                     | 1.0000      | JOB | 226,556,876.20 | 0.00        | 0.00       | 226,556,876.20 |
|                                                  |             |     | 64,003,123.30  |             |            | 64,003,123.30  |
| 11 02 Floodwalls - MtoG                          | 1.0000      | JOB | 64,003,123.30  | 0.00        | 0.00       | 64,003,123.30  |
|                                                  |             |     | 53,885,612.80  |             |            | 53,885,612.80  |
| 11 02 01 Pump Station Fronting Protection        | 1.0000      | JOB | 53,885,612.80  | 0.00        | 0.00       | 53,885,612.80  |
|                                                  |             |     | 10,117,510.50  |             |            | 10,117,510.50  |
| 11 02 02 T-Wall                                  | 1.0000      | EA  | 10,117,510.50  | 0.00        | 0.00       | 10,117,510.50  |
|                                                  |             |     | 5,506,402.72   |             |            | 5,506,402.72   |
| 11 02 Floodwalls - Lockport to Larose reach      | 1.0000      | JOB | 5,506,402.72   | 0.00        | 0.00       | 5,506,402.72   |
|                                                  |             |     | 5,506,402.72   |             |            | 5,506,402.72   |
| 11 02 02 T-Wall                                  | 1.0000      | EA  | 5,506,402.72   | 0.00        | 0.00       | 5,506,402.72   |
|                                                  |             |     | 157,047,350.18 |             |            | 157,047,350.18 |
| 11 02 Floodwalls - Larose to Golden Meadow reach | 1.0000      | JOB | 157,047,350.18 | 0.00        | 0.00       | 157,047,350.18 |
|                                                  |             |     | 157,047,350.18 |             |            | 157,047,350.18 |
| 11 02 02 T-Wall                                  | 1.0000      | LS  | 157,047,350.18 | 0.00        | 0.00       | 157,047,350.18 |
|                                                  |             |     | 680,326,439.93 |             |            | 680,326,439.93 |
| 15 Floodway Control and Diversion Structures     | 1.0000      | JOB | 680,326,439.93 | 0.00        | 0.00       | 680,326,439.93 |
|                                                  |             |     | 417,955,007.10 |             |            | 417,955,007.10 |
| 15 01 56' Barge Gates - MtoG                     | 1.0000      | LS  | 417,955,007.10 | 0.00        | 0.00       | 417,955,007.10 |

| <u>Description</u>                       | <u>Quantity</u> | <u>UOM</u> | <u>ContractCost</u>                            | <u>Contingency</u> | <u>Escalation</u> | <u>ProjectCost</u>                             |
|------------------------------------------|-----------------|------------|------------------------------------------------|--------------------|-------------------|------------------------------------------------|
| <b>56' Barge Gates - MtoG</b>            | <b>1.0000</b>   | <b>JOB</b> | <i>416,614,721.83</i><br><b>416,614,721.83</b> | <b>0.00</b>        | <b>0.00</b>       | <i>416,614,721.83</i><br><b>416,614,721.83</b> |
| <b>56' Barge Gates - MtoG - Retrofit</b> | <b>1.0000</b>   | <b>JOB</b> | <i>1,340,285.27</i><br><b>1,340,285.27</b>     | <b>0.00</b>        | <b>0.00</b>       | <i>1,340,285.27</i><br><b>1,340,285.27</b>     |
| <b>15 02 125' Sector Gates - MtoG</b>    | <b>1.0000</b>   | <b>EA</b>  | <i>159,274,873.29</i><br><b>159,274,873.29</b> | <b>0.00</b>        | <b>0.00</b>       | <i>159,274,873.29</i><br><b>159,274,873.29</b> |
| <b>1 Reach A</b>                         | <b>1.0000</b>   | <b>EA</b>  | <i>83,474,865.85</i><br><b>83,474,865.85</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>83,474,865.85</i><br><b>83,474,865.85</b>   |
| <b>2 Reach L</b>                         | <b>1.0000</b>   | <b>EA</b>  | <i>75,800,007.44</i><br><b>75,800,007.44</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>75,800,007.44</i><br><b>75,800,007.44</b>   |
| <b>15 03 Stop Log Gates - MtoG</b>       | <b>1.0000</b>   | <b>EA</b>  | <i>65,878,226.42</i><br><b>65,878,226.42</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>65,878,226.42</i><br><b>65,878,226.42</b>   |
| <b>Barrier Alignment</b>                 | <b>1.0000</b>   | <b>EA</b>  | <i>36,081,929.49</i><br><b>36,081,929.49</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>36,081,929.49</i><br><b>36,081,929.49</b>   |
| <b>Reach B</b>                           | <b>1.0000</b>   | <b>EA</b>  | <i>14,137,400.33</i><br><b>14,137,400.33</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>14,137,400.33</i><br><b>14,137,400.33</b>   |
| <b>Reach G-2</b>                         | <b>1.0000</b>   | <b>EA</b>  | <i>15,658,896.60</i><br><b>15,658,896.60</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>15,658,896.60</i><br><b>15,658,896.60</b>   |
| <b>15 01 56' Barge Gates - LGM</b>       | <b>1.0000</b>   | <b>LS</b>  | <b>37,218,333.13</b>                           | <b>0.00</b>        | <b>0.00</b>       | <b>37,218,333.13</b>                           |
| <b>1 LGM reach</b>                       | <b>1.0000</b>   | <b>EA</b>  | <i>37,218,333.13</i><br><b>37,218,333.13</b>   | <b>0.00</b>        | <b>0.00</b>       | <i>37,218,333.13</i><br><b>37,218,333.13</b>   |