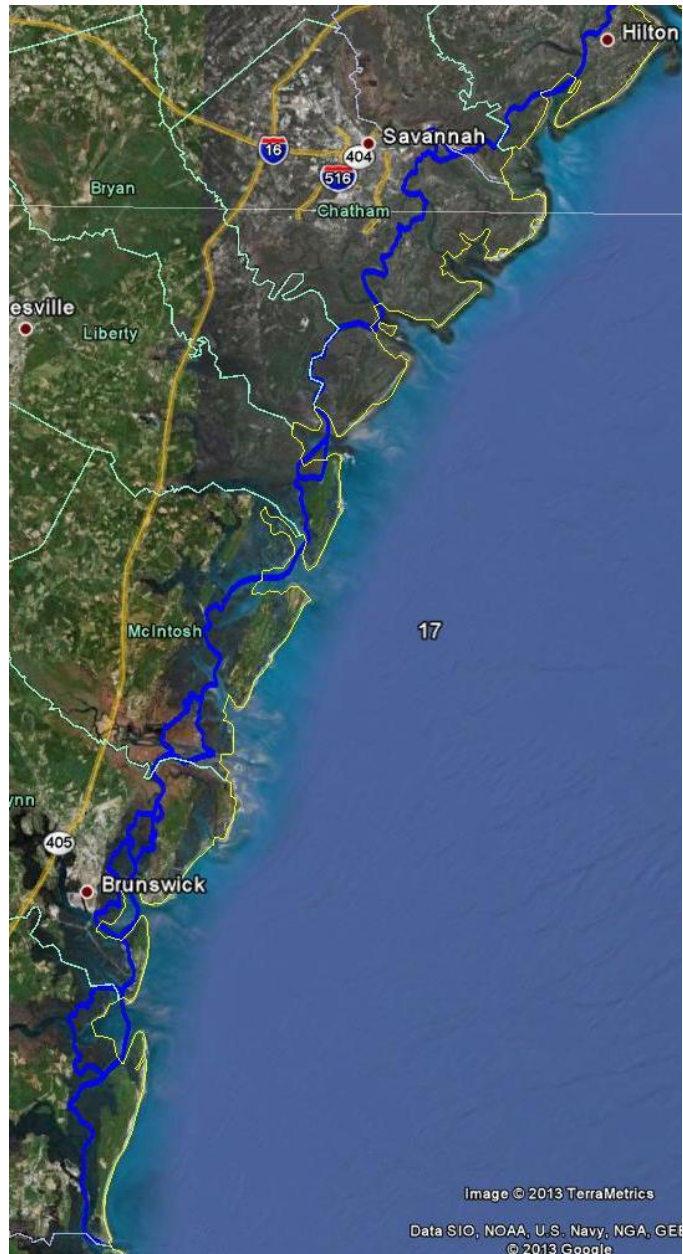

Dredged Material Management Plan
Atlantic Intracoastal Waterway
Port Royal Sound, South Carolina to Cumberland Sound,
Georgia
November 2015

Appendix I: Costs



**US Army Corps of
Engineers®**
South Atlantic Division
Savannah District

APPENDIX I: Cost Engineering

AIWW DMMP

Port Royal Sound, SC to Cumberland Sound, GA

Savannah, Ga

1. The Cost Engineering Appendix project costs were prepared to identify the Current Working Estimate (CWE) for the least cost, environmentally acceptable alternative for disposal of maintenance dredged material from the Savannah District portion of the AIWW (Port Royal Sound, SC to Cumberland Sound, GA) for 20 years.
2. Costs for the alternative selected plan are shown in Attachment 2. The plan is based on hydraulic cutterhead suction pipeline dredge and bucket/barge with scows to open water disposal. The plan is based on phasing in some of the disposal areas initially over a 4 year period and then periodic maintenance dredging with contracts every 2 years on a cyclic basis based on historic dredging and shoaling rates. On average, construction contract schedules will range from 6 to 9 months. There are no environmental windows for dredging or disposal options. Attachment 1 shows the unit price, quantity, mob/demob, contract durations, and a total cost with a 25% contingency.
3. The total Current Working Estimate for the 20 year period is \$135,723 (\$ 169,654 with 25% contingency). The construction, monitoring, engineering and construction management costs have been established to be the Baseline CWE at October 2012 price levels. The Total Project Cost Summary (TPCS) fully funded is included as Attachment 4.
4. The CWEs are also shown on the MCACES MII summary sheets- Attachment 3. MCACES MII is the format used by the Corps of Engineers to identify costs in report documents in Code of Accounts format.
5. The Cost Estimates were prepared under guidance given in the Corps of Engineers Regulation ER-1110-2-1302, Civil Works Cost Engineering, and Engineering Instructions ETL 1110-2-573, Construction Cost Estimates.
6. Details of the viable DMMP alternatives considered are identified in the DMMP main report. Unit costs for a multitude of dredging and disposal alternatives for each reach of the Savannah District AIWW are shown in Attachment 1. The waterway was divided into 36 reaches. Disposal and placement options for each reach and various methods of dredging are also identified in Attachment 1. The reaches are based on the historic shoaling locations within the waterway. Only unit prices are shown with yearly contract quantities of material likely to be dredged. Unit prices were not shown for alternatives which were determined not to be a reasonable solution because of environmental restrictions, soil characteristics, equipment limitations, etc. Attachment 1 was used as a first step for identifying unit prices to be carried forward into Attachment 2.

7. Unit prices and mobilization/demobilization were developed for all alternatives using CEDEP (Corps of Engineers Dredge Estimating Program), review of historical methods, and pricing where conditions were similar.
8. Dredging quantities were developed by the Project Design Team and based on long term dredging records as well as the Taylor Engineering Study of the South Atlantic Division AIWW Project. Frequencies and volumes were adapted to accommodate a dredging project every 2 years.
9. A contingency of 25% was included to represent unanticipated conditions or uncertainties at the time the estimate was developed. An Abbreviated Cost Risk Analysis was used to develop the 25% contingency and is included as Attachments 5. Initial dredging quantities include shoaling volumes in areas that have not been routinely dredged in accordance to the AIWW Maintenance Schedule. Subsequent dredging cycles will follow the routine maintenance schedule.
10. Based on typical needs, procurement requirements, shoaling patterns and environmental considerations, the selected plan is included in Attachment 1 and is as follows:

1 Year Prior to Construction (2015)- Conduct 103 testing and analysis on Jekyll Creek to determine suitability for disposal in the Brunswick ODMDS

Year 1 (2016)-

Dredge to Disposal Area 14B- Ramshorn Creek, Walls Cut, Fields Cut, Elba-McQueens Cut, St. Augustine Creek, and Wilmington River;

Dredge Jekyll Creek and Place in Brunswick ODMDS ;

Dredge Hells Gate (Open water site for sand plus semi-confined 15A and 15B for fines), Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines) , and Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines), with placement of coarse grained materials in existing open water sites and fine grained material on existing sites with partial confinement (with geotextile tubes filled with dredged material from the channel);

Dredge Cumberland Sound and place in Crab Island ;

Commence investigations required for designation of new ODMDS sites at Sapelo Sound and Altamaha Sound, including geotechnical, biological, and chemical material testing for Florida Passage, Bear River, Johnson Creek, Creighton Narrows, North River Crossing, Rockdedundy River, South River, and Little Mud River.; and

Year 3 (2018)-

Dredge Hells Gate, Altamaha Sound, Buttermilk Sound (open water for sand, semi-confined for fines); and

Jekyll Creek (Brunswick ODMDS)

Year 5 (2020)-

Dredge the following reaches:

Fields Cut, St. Augustine Creek, Wilmington River (DMCA 14B)

Florida Passage, Bear River, Johnson Creek, Creighton Narrows- Sapelo Sound ODMDS

North River Crossing, Rockdedundy River, South River, Little Mud River- Altamaha Sound ODMDS

Jekyll Creek- Brunswick ODMDS

Year 7 (2022)-

St. Augustine Creek (DMCA 14B)

Hells Gate (15A/B, In-water sites)

South River, Little Mud River- Altamaha Sound ODMDS

Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines)

Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines)

Jekyll Creek- Brunswick ODMDS

Year 9 (2024)-

Elba-McQueens Cut, St. Augustine Creek, Wilmington River (DMCA 14B)

Hells Gate (15A/B, In-water sites)

Creighton Narrows- Sapelo Sound ODMDS

North River Crossing, Rockdedundy River, South River, Little Mud River- Altamaha Sound ODMDS

Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines)

Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines)

Jekyll Creek- Brunswick ODMDS

Year 11 (2026)-

Fields Cut, St. Augustine Creek (DMCA 14B)

South River, Little Mud River- Altamaha Sound ODMDS

Jekyll Creek- Brunswick ODMDS

Year 13 (2028)-

St. Augustine Creek, Wilmington River (DMCA 14B)

Hells Gate (15A/B, In-water sites)

Creighton Narrows- Sapelo Sound ODMDS

North River Crossing, South River, Little Mud River- Altamaha Sound ODMDS

Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines)

Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines)

Jekyll Creek- Brunswick ODMDS

Year 15 (2030)-

Ramshorn Creek, St. Augustine Creek (DMCA 14B)

Hells Gate (15A/B, In-water sites)

Florida Passage, Creighton Narrows- Sapelo Sound ODMDS

Rockdedundy River, South River, Little Mud River- Altamaha Sound ODMDS

Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines)

Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines)

Jekyll Creek- Brunswick ODMDS

Year 17 (2032)-

Fields Cut, St. Augustine Creek, Wilmington River (DMCA 14B)

Creighton Narrows- Sapelo Sound ODMDS

North River Crossing, South River, Little Mud River- Altamaha Sound ODMDS

Jekyll Creek- Brunswick ODMDS

Year 19 (2034)-

Walls Cut, Elba-McQueens Cut, St. Augustine Creek (DMCA 14B)

Hells Gate (15A/B, In-water sites)

Bear River - Sapelo Sound ODMDS

Rockdedundy River, South River, Little Mud River- Altamaha Sound ODMDS

Altamaha Sound (Open water sites 32 and 34 for sand plus semi-confined 34A and 36A for fines)

Buttermilk Sound (Open water sites 43 and 44 for sand plus semi-confined 42B for fines)

Jekyll Creek- Brunswick ODMDS

Cumberland Sound- Crab Island ;

11. The first and most preferable method of disposal was considered to be disposal in existing upland disposal areas (14B, 9A and Big Crab Island). The use of 14B and Big Crab Island was considered feasible for areas within 10 miles of the site. The volume of material to be placed in these areas is relatively small compared to the volume placed by other navigation projects(Savannah Harbor, Kings Bay). In addition, the AIWW material to be placed in disposal area 14B is typically very sandy and desirable for use to build dikes and bird islands within that area. Ramshorn Creek, Walls Cut, Fields Cut, Wilmington River were the only areas considered for disposal area 14B due to their proximity to the area. Big Crab Island has available capacity for the infrequent dredging in Cumberland Sound and is very close to the dredging site. 9A is no longer considered acceptable for AIWW disposal due to its limited capacity and use by others.
12. One method of disposal that was considered was the disposal of the material in existing Offshore Dredged Material Disposal Sites (ODMDS) located offshore of Savannah Harbor and Brunswick Harbor and previously used for entrance channel construction and maintenance projects. The only area currently dredged where this was considered to be a feasible alternative was Jekyll Creek.

Jekyll Creek was previously tested and disposal in the ODMDS was considered acceptable under controlled conditions (small load size such as that proposed for this project). Due to the length of time that has elapsed since the testing, the testing and analysis for the 103 permit would need to be redone. Based on recent analyses done for Savannah Harbor, the estimated cost for this was determined to be \$150,000. It would take up to one year, so this would have to be funded and completed in 2015 to meet the project construction schedule.

13. Another method considered preferable environmentally to both the State and Federal Agencies was disposal of material in new ODMDS sites. Based on the areas where no other acceptable disposal method was available, proposed sites would be located offshore Sapelo Sound and Altamaha Sound. The exact location and size of these areas would have to be addressed in a separate study in conjunction with the EPA for designation of the new offshore disposal sites. The analysis would include testing for material physical and chemical characteristics for each site to be dredged. Based on a recent study for the Savannah Harbor Expansion Project, which had a similar length of dredged channel tested (approximately 20 miles), the estimated cost of the testing per ODMDS site would be approximately \$620,000. Additionally, designation of the new sites would require site specific analyses and coordination. Based on recent discussions with the Jacksonville District on their designation of a new site, this was estimated to be \$3 million per ODMDS Site.

14. The final and least environmentally acceptable alternative considered included diking of marsh areas and previously impacted areas within existing disposal easements. Material for dike raising would be obtained from within the sites or dredged from the waterway. Significant subsidence would be anticipated. The dikes would have to be constructed in two phases- initially the dikes would be built to 6 feet and a secondary dike raising would be done to bring the area up to 10 feet. The dikes would be 10 feet wide at the crest and have 1V on 3H side slopes. Weirs would be included for each area to decant water from the areas. This disposal area design was based on a study done by GeoSyntec Consultants for the Savannah District in 2002. Their analysis included dike designs for 32A, 25E and 30A. The conditions in these areas are considered typical of areas that have used for marsh disposal within the Savannah District. Disadvantages of this disposal method include the remoteness of the areas (accessible only by boat), maintenance costs, costs for aerial mosquito spraying, environmental impacts, and mitigation costs.

Savannah_AIWW_DMMP__YEAR-2016

Estimated by JOHN C. CALDWELL
Designed by CE-SAS - SAVANNAH
Prepared by John C. Caldwell

Preparation Date 3/23/2013
Effective Date of Pricing 3/23/2013
Estimated Construction Time 365 Days

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<u>Date</u>	<u>Author</u>	<u>Note</u>
2/10/2013	John Caldwell	New Project Note - See Cost Engineering Appendix for narratives

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Project Cost Summary Report			23,148,000	0	23,148,000
12 NAVIGATION, PORTS AND HARBORS - YEAR 2016	1	LS	21,444,660	0	21,444,660
30 PLANNING ENGINEERING & DESIGN	1	LS	583,340	0	583,340
31 CONSTRUCTION MANAGEMENT	1	LS	1,120,000	0	1,120,000

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Contract Cost Summary Report			23,148,000	0	23,148,000
12 NAVIGATION, PORTS AND HARBORS - YEAR 2016	1.00	LS	21,444,660	0	21,444,660
YEAR 2016 -	1.00	LS	21,444,660	0	21,444,660
Pipeline Dredge to Disposal Areas -----	1.00	LS	6,999,436	0	6,999,436
Mob & Demob - PIPELINE	1.00	LS	897,000	0	897,000
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.00	LS	2,617,644	0	2,617,644
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.00	LS	2,471,750	0	2,471,750
Dredging - Cumberland River	1.00	LS	1,013,042	0	1,013,042
Mechanical Dredge to ODMDS -----	1.00	LS	3,695,225	0	3,695,225
Mob & Demob - MECHANICAL DREDGE	1.00	LS	500,000	0	500,000
Dredging - Jekyl Creek to Brunswick ODMDS	1.00	LS	3,195,225	0	3,195,225
Geotextile Tube Construction -----	1.00	LS	8,750,000	0	8,750,000
Site 15 A/B - for Hells Gate SAV-12	1.00	LS	1,750,000	0	1,750,000
Sites 34A/36A - for Altamaha Sound SAV -28	1.00	LS	3,500,000	0	3,500,000
Site 42B - for Buttermilk Sound SAV-29	1.00	LS	3,500,000	0	3,500,000
ODMDS Development & Permitting -----	1.00	LS	2,000,000	0	2,000,000
Sapelo Sound ODMDS	1.00	LS	1,000,000	0	1,000,000
Altamaha Sound ODMDS	1.00	LS	1,000,000	0	1,000,000
30 PLANNING ENGINEERING & DESIGN	1.00	LS	583,340	0	583,340
30 23 Design & Construction Documents -----	1.00	LS	583,340	0	583,340
PED	1.00	LS	583,340	0	583,340
PED	1.00	LS	583,340	0	583,340
31 CONSTRUCTION MANAGEMENT	1.00	LS	1,120,000	0	1,120,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	1,120,000	0	1,120,000
Construction, Project Mgt, & EDC	1.00	LS	1,120,000	0	1,120,000
S&A	1.00	LS	1,120,000	0	1,120,000

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Contract Summary UNIT PRICES			23,148,000.20	0.00	23,148,000.20
12 NAVIGATION, PORTS AND HARBORS - YEAR 2016	1.0000	LS	21,444,660.20	0.00	21,444,660.20
YEAR 2016 -	1.0000	LS	21,444,660.20	0.00	21,444,660.20
Pipeline Dredge to Disposal Areas -----	1.0000	LS	6,999,435.70	0.00	6,999,435.70
Mob & Demob - PIPELINE	1.0000	LS	897,000.00	0.00	897,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	90,000.00	0.00	90,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	180,000.00	0.00	180,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	2,617,643.70	0.00	2,617,643.70
USR RAMSHORN	43,914.0000	CY	682,862.70	0.00	682,862.70
USR WALLS CUT	22,000.0000	CY	210,100.00	0.00	210,100.00
USR FIELDS CUT	58,000.0000	CY	212,860.00	0.00	212,860.00
USR ELBA CUT - MCQUEEN CUT	89,500.0000	CY	348,155.00	0.00	348,155.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
USR WILMINGTON RIVER	72,400.0000	CY	643,636.00	0.00	643,636.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	2,471,750.00	0.00	2,471,750.00
USR HELLS GATE	232,000.0000	CY	1,037,040.00	0.00	1,037,040.00
USR ALTAMAHA SOUND	190,200.0000	CY	675,210.00	0.00	675,210.00
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
Dredging - Cumberland River	1.0000	LS	1,013,042.00	0.00	1,013,042.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR CUMBERLAND RIVER	201,400.0000	CY	1,013,042.00	0.00	1,013,042.00
			<i>5.0300</i>	<i>0.0000%</i>	<i>5.0300</i>
Mechanical Dredge to ODMDS -----	1.0000	LS	3,695,224.50	0.00	3,695,224.50
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	500,000.00	0.00	500,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	3,195,224.50	0.00	3,195,224.50
USR JEKYL CREEK	522,950.0000	CY	3,195,224.50	0.00	3,195,224.50
			<i>6.1100</i>	<i>0.0000%</i>	<i>6.1100</i>
Geotextile Tube Construction -----	1.0000	LS	8,750,000.00	0.00	8,750,000.00
Site 15 A/B - for Hells Gate SAV-12	1.0000	LS	1,750,000.00	0.00	1,750,000.00
USR GEOTEXTILE TUBE	5,000.0000	LF	1,750,000.00	0.00	1,750,000.00
			<i>350.0000</i>	<i>0.0000%</i>	<i>350.0000</i>
Sites 34A/36A - for Altamaha Sound SAV -28	1.0000	LS	3,500,000.00	0.00	3,500,000.00
USR GEOTEXTILE TUBE	10,000.0000	LF	3,500,000.00	0.00	3,500,000.00
			<i>350.0000</i>	<i>0.0000%</i>	<i>350.0000</i>
Site 42B - for Buttermilk Sound SAV-29	1.0000	LS	3,500,000.00	0.00	3,500,000.00
USR GEOTEXTILE TUBE	10,000.0000	LF	3,500,000.00	0.00	3,500,000.00
			<i>350.0000</i>	<i>0.0000%</i>	<i>350.0000</i>
ODMDS Development & Permitting -----	1.0000	LS	2,000,000.00	0.00	2,000,000.00
Sapelo Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
Altamaha Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	583,340.00	0.00	583,340.00
30 23 Design & Construction Documents -----	1.0000	LS	583,340.00	0.00	583,340.00
PED	1.0000	LS	583,340.00	0.00	583,340.00
PED	1.0000	LS	583,340.00	0.00	583,340.00
USR 3%	1.0000	LS	583,340.00	0.00	583,340.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	1,120,000.00	0.00	1,120,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	1,120,000.00	0.00	1,120,000.00
Construction, Project Mgt, & EDC	1.0000	LS	1,120,000.00	0.00	1,120,000.00
S&A	1.0000	LS	1,120,000.00	0.00	1,120,000.00
USR Monthly per construction periods	1.0000	LS	1,120,000.00	0.00	1,120,000.00

Savannah_AIWW_DMMP__YEARS 2017 - 2036A

Estimated by JOHN C. CALDWELL
Designed by CE-SAS-SAVANNAH
Prepared by John C. Caldwell

Preparation Date 3/23/2013
Effective Date of Pricing 3/23/2013
Estimated Construction Time Days

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<u>Date</u>	<u>Author</u>	<u>Note</u>
2/10/2013	John Caldwell	New Project Note - See Cost Engineering Appendix for narratives

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Project Cost Summary Report			112,574,853	0	112,574,853
YEAR 2017	1	LS	2,729,000	0	2,729,000
YEAR 2018	1	LS	9,018,257	0	9,018,257
YEAR 2020	1	LS	13,250,259	0	13,250,259
YEAR 2022	1	LS	9,210,859	0	9,210,859
YEAR 2024	1	LS	13,225,568	0	13,225,568
YEAR 2026	1	LS	7,488,267	0	7,488,267
YEAR 2028	1	LS	12,456,956	0	12,456,956
YEAR 2030	1	LS	10,883,806	0	10,883,806
YEAR 2032	1	LS	10,697,283	0	10,697,283
YEAR 2034	1	LS	11,157,642	0	11,157,642
YEAR 2036	1	LS	12,456,956	0	12,456,956

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Contract Cost Summary Report			112,574,853	0	112,574,853
YEAR 2017	1.00	LS	2,729,000	0	2,729,000
12 NAVIGATION, PORTS AND HARBORS - YEAR 2017	1.00	LS	2,000,000	0	2,000,000
YEAR 2017	1.00	LS	2,000,000	0	2,000,000
ODMDS Development & Permitting -----	1.00	LS	2,000,000	0	2,000,000
30 PLANNING ENGINEERING & DESIGN	1.00	LS	309,000	0	309,000
30 23 Design & Construction Documents -----	1.00	LS	309,000	0	309,000
PED	1.00	LS	309,000	0	309,000
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2018	1.00	LS	9,018,257	0	9,018,257
12 NAVIGATION, PORTS AND HARBORS - YEAR 2018	1.00	LS	8,406,075	0	8,406,075
YEAR 2018	1.00	LS	8,406,075	0	8,406,075
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,086,310	0	3,086,310
Mechanical Dredge to ODMDS -----	1.00	LS	3,319,765	0	3,319,765
ODMDS Development & Permitting -----	1.00	LS	2,000,000	0	2,000,000
30 PLANNING ENGINEERING & DESIGN	1.00	LS	192,182	0	192,182
30 23 Design & Construction Documents -----	1.00	LS	192,182	0	192,182
PED	1.00	LS	192,182	0	192,182
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2020	1.00	LS	13,250,259	0	13,250,259
12 NAVIGATION, PORTS AND HARBORS - YEAR 2020	1.00	LS	12,456,562	0	12,456,562
YEAR 2020 -	1.00	LS	12,456,562	0	12,456,562

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Pipeline Dredge to Disposal Areas -----	1.00	LS	1,822,830	0	1,822,830
Mechanical Dredge to ODMDS -----	1.00	LS	10,633,732	0	10,633,732
30 PLANNING ENGINEERING & DESIGN	1.00	LS	373,697	0	373,697
30 23 Design & Construction Documents -----	1.00	LS	373,697	0	373,697
PED	1.00	LS	373,697	0	373,697
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2022	1.00	LS	9,210,859	0	9,210,859
12 NAVIGATION, PORTS AND HARBORS - YEAR 2022	1.00	LS	8,534,815	0	8,534,815
YEAR 2022	1.00	LS	8,534,815	0	8,534,815
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,086,310	0	3,086,310
Mechanical Dredge to ODMDS -----	1.00	LS	5,448,505	0	5,448,505
30 PLANNING ENGINEERING & DESIGN	1.00	LS	256,044	0	256,044
30 23 Design & Construction Documents -----	1.00	LS	256,044	0	256,044
PED	1.00	LS	256,044	0	256,044
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2024	1.00	LS	13,225,568	0	13,225,568
12 NAVIGATION, PORTS AND HARBORS - YEAR 2024	1.00	LS	12,432,590	0	12,432,590
YEAR 2024	1.00	LS	12,432,590	0	12,432,590
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,843,405	0	3,843,405
Mechanical Dredge to ODMDS -----	1.00	LS	8,589,185	0	8,589,185
30 PLANNING ENGINEERING & DESIGN	1.00	LS	372,978	0	372,978
30 23 Design & Construction Documents -----	1.00	LS	372,978	0	372,978

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
PED	1.00	LS	372,978	0	372,978
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2026	1.00	LS	7,488,267	0	7,488,267
12 NAVIGATION, PORTS AND HARBORS - YEAR 2026	1.00	LS	6,862,395	0	6,862,395
YEAR 2026	1.00	LS	6,862,395	0	6,862,395
Pipeline Dredge to Disposal Areas -----	1.00	LS	1,413,890	0	1,413,890
Mechanical Dredge to ODMDS -----	1.00	LS	5,448,505	0	5,448,505
30 PLANNING ENGINEERING & DESIGN	1.00	LS	205,872	0	205,872
30 23 Design & Construction Documents -----	1.00	LS	205,872	0	205,872
PED	1.00	LS	205,872	0	205,872
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2028	1.00	LS	12,456,956	0	12,456,956
12 NAVIGATION, PORTS AND HARBORS - YEAR 2028	1.00	LS	11,686,365	0	11,686,365
YEAR 2028	1.00	LS	11,686,365	0	11,686,365
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,531,250	0	3,531,250
Mechanical Dredge to ODMDS -----	1.00	LS	8,155,115	0	8,155,115
30 PLANNING ENGINEERING & DESIGN	1.00	LS	350,591	0	350,591
30 23 Design & Construction Documents -----	1.00	LS	350,591	0	350,591
PED	1.00	LS	350,591	0	350,591
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
YEAR 2030	1.00	LS	10,883,806	0	10,883,806
12 NAVIGATION, PORTS AND HARBORS - YEAR 2030	1.00	LS	10,159,035	0	10,159,035
YEAR 2030	1.00	LS	10,159,035	0	10,159,035
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,651,010	0	3,651,010
Mechanical Dredge to ODMDS -----	1.00	LS	6,508,025	0	6,508,025
30 PLANNING ENGINEERING & DESIGN	1.00	LS	304,771	0	304,771
30 23 Design & Construction Documents -----	1.00	LS	304,771	0	304,771
PED	1.00	LS	304,771	0	304,771
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2032	1.00	LS	10,697,283	0	10,697,283
12 NAVIGATION, PORTS AND HARBORS - YEAR 2032	1.00	LS	9,977,945	0	9,977,945
YEAR 2032	1.00	LS	9,977,945	0	9,977,945
Pipeline Dredge to Disposal Areas -----	1.00	LS	1,822,830	0	1,822,830
Mechanical Dredge to ODMDS -----	1.00	LS	8,155,115	0	8,155,115
30 PLANNING ENGINEERING & DESIGN	1.00	LS	299,338	0	299,338
30 23 Design & Construction Documents -----	1.00	LS	299,338	0	299,338
PED	1.00	LS	299,338	0	299,338
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2034	1.00	LS	11,157,642	0	11,157,642
12 NAVIGATION, PORTS AND HARBORS - YEAR 2034	1.00	LS	10,424,895	0	10,424,895
YEAR 2034	1.00	LS	10,424,895	0	10,424,895
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,914,460	0	3,914,460

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Mechanical Dredge to ODMDS -----	1.00	LS	6,510,435	0	6,510,435
30 PLANNING ENGINEERING & DESIGN	1.00	LS	312,747	0	312,747
30 23 Design & Construction Documents -----	1.00	LS	312,747	0	312,747
PED	1.00	LS	312,747	0	312,747
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000
YEAR 2036	1.00	LS	12,456,956	0	12,456,956
12 NAVIGATION, PORTS AND HARBORS - YEAR 2036	1.00	LS	11,686,365	0	11,686,365
YEAR 2036	1.00	LS	11,686,365	0	11,686,365
Pipeline Dredge to Disposal Areas -----	1.00	LS	3,531,250	0	3,531,250
Mechanical Dredge to ODMDS -----	1.00	LS	8,155,115	0	8,155,115
30 PLANNING ENGINEERING & DESIGN	1.00	LS	350,591	0	350,591
30 23 Design & Construction Documents -----	1.00	LS	350,591	0	350,591
PED	1.00	LS	350,591	0	350,591
31 CONSTRUCTION MANAGEMENT	1.00	LS	420,000	0	420,000
31 23 Construction, Project Mgt, & EDC -----	1.00	LS	420,000	0	420,000
Construction, Project Mgt, & EDC	1.00	LS	420,000	0	420,000

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Contract Summary UNIT PRICES			112,574,852.90	0.00	112,574,852.90
YEAR 2017	1.0000	LS	2,729,000.00	0.00	2,729,000.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2017	1.0000	LS	2,000,000.00	0.00	2,000,000.00
YEAR 2017	1.0000	LS	2,000,000.00	0.00	2,000,000.00
ODMDS Development & Permitting -----	1.0000	LS	2,000,000.00	0.00	2,000,000.00
Sapelo Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
Altamaha Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	309,000.00	0.00	309,000.00
30 23 Design & Construction Documents -----	1.0000	LS	309,000.00	0.00	309,000.00
PED	1.0000	LS	309,000.00	0.00	309,000.00
PED and Sampling	1.0000	LS	309,000.00	0.00	309,000.00
USR Sampling	1.0000	LS	300,000.00	0.00	300,000.00
USR PED	1.0000	EA	9,000.00	0.0000%	9,000.0000
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2018	1.0000	LS	9,018,257.00	0.00	9,018,257.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2018	1.0000	LS	8,406,075.00	0.00	8,406,075.00
YEAR 2018	1.0000	LS	8,406,075.00	0.00	8,406,075.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	3,086,310.00	0.00	3,086,310.00
Mob & Demob - PIPELINE	1.0000	LS	735,000.00	0.00	735,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR iINTERMEDIATE MOBS-DEMOBS	2.0000	DAY	18,000.0000 36,000.00	0.0000% 0.00	18,000.0000 36,000.00
USR iINTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.0000 72,000.00	0.0000% 0.00	36,000.0000 72,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	520,030.00	0.00	520,030.00
USR RAMSHORN	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR WALLS CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR FIELDS CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	4.3700 520,030.00	0.0000% 0.00	4.3700 520,030.00
USR WILMINGTON RIVER	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
USR HELLS GATE	154,000.0000	CY	4.4700 688,380.00	0.0000% 0.00	4.4700 688,380.00
USR ALTAMAHA SOUND	108,000.0000	CY	3.5500 383,400.00	0.0000% 0.00	3.5500 383,400.00
USR BUTTERMILK SOUND	217,000.0000	CY	3.5000 759,500.00	0.0000% 0.00	3.5000 759,500.00
Mechanical Dredge to ODMDS -----	1.0000	LS	3,319,765.00	0.00	3,319,765.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	500,000.00	0.00	500,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iINTERMEDIATE MOBS-DEMOBS	0.0000	DAY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR iINTERMEDIATE MOBS-DEMOBS	0.0000	DAY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	0.00	0.00	0.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR FLORIDA PASSAGE	0.0000	CY	0.00	0.00	0.00
USR BEAR RIVER	0.0000	CY	0.00	0.00	0.00
USR JOHNSON CREEK	0.0000	CY	0.00	0.00	0.00
USR CREIGHTON NARROWS	0.0000	CY	0.00	0.00	0.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	0.00	0.00	0.00
USR NORTH RIVER CROSSING	0.0000	CY	0.00	0.00	0.00
USR ROCKEDUNDY RIVER	0.0000	CY	0.00	0.00	0.00
USR SOUTH RIVER	0.0000	CY	0.00	0.00	0.00
USR LITTLE MUD RIVER	0.0000	CY	0.00	0.00	0.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	2,819,765.00	0.00	2,819,765.00
ODMDS Development & Permitting -----	1.0000	LS	2,000,000.00	0.00	2,000,000.00
Sapelo Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
Altamaha Sound ODMDS	1.0000	LS	1,000,000.00	0.00	1,000,000.00
USR ODMDS Development & Permitting	1.0000	LS	1,000,000.00	0.00	1,000,000.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	192,182.00	0.00	192,182.00
30 23 Design & Construction Documents -----	1.0000	LS	192,182.00	0.00	192,182.00
PED	1.0000	LS	192,182.00	0.00	192,182.00
PED	1.0000	LS	192,182.00	0.00	192,182.00
USR 3%	1.0000	LS	192,182.00	0.00	192,182.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2020	1.0000	LS	13,250,258.90	0.00	13,250,258.90
12 NAVIGATION, PORTS AND HARBORS - YEAR 2020	1.0000	LS	12,456,561.90	0.00	12,456,561.90
YEAR 2020 -	1.0000	LS	12,456,561.90	0.00	12,456,561.90
Pipeline Dredge to Disposal Areas -----	1.0000	LS	1,822,830.00	0.00	1,822,830.00
Mob & Demob - PIPELINE	1.0000	LS	681,000.00	0.00	681,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	3.0000	DAY	54,000.00	0.00	54,000.00
USR iNTERMEDIATE MOBS-DEMOBS	0.0000	DAY	0.00	0.00	0.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	1,141,830.00	0.00	1,141,830.00
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
USR FIELDS CUT	58,000.0000	CY	212,860.00	0.00	212,860.00
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
USR WILMINGTON RIVER	46,000.0000	CY	408,940.00	0.00	408,940.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	0.00	0.00	0.00
USR HELLS GATE	0.0000	CY	0.00	0.00	0.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR ALTAMAHA SOUND	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR BUTTERMILK SOUND	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
Mechanical Dredge to ODMDS -----	1.0000	LS	10,633,731.90	0.00	10,633,731.90
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	710,000.00	0.00	710,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	8.0000	DAY	17,500.0000 140,000.00	0.0000% 0.00	17,500.0000 140,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	35,000.0000 70,000.00	0.0000% 0.00	35,000.0000 70,000.00
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	3,814,800.00	0.00	3,814,800.00
USR FLORIDA PASSAGE	35,000.0000	CY	15.8700 555,450.00	0.0000% 0.00	15.8700 555,450.00
USR BEAR RIVER	39,500.0000	CY	13.6800 540,360.00	0.0000% 0.00	13.6800 540,360.00
USR JOHNSON CREEK	51,000.0000	CY	11.9600 609,960.00	0.0000% 0.00	11.9600 609,960.00
USR CREIGHTON NARROWS	181,500.0000	CY	11.6200 2,109,030.00	0.0000% 0.00	11.6200 2,109,030.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	3,289,166.90	0.00	3,289,166.90
USR NORTH RIVER CROSSING	82,800.0000	CY	7.9700 659,916.00	0.0000% 0.00	7.9700 659,916.00
USR ROCKEDUNDY RIVER	58,500.0000	CY	7.4200 434,070.00	0.0000% 0.00	7.4200 434,070.00
USR SOUTH RIVER	77,190.0000	CY	7.1100 548,820.90	0.0000% 0.00	7.1100 548,820.90
USR LITTLE MUD RIVER	260,500.0000	CY	6.3200 1,646,360.00	0.0000% 0.00	6.3200 1,646,360.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	6.1100 2,819,765.00	0.0000% 0.00	6.1100 2,819,765.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	373,697.00	0.00	373,697.00
30 23 Design & Construction Documents -----	1.0000	LS	373,697.00	0.00	373,697.00
PED	1.0000	LS	373,697.00	0.00	373,697.00
PED	1.0000	LS	373,697.00	0.00	373,697.00
USR 3%	1.0000	LS	373,697.00	0.00	373,697.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2022	1.0000	LS	9,210,859.00	0.00	9,210,859.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2022	1.0000	LS	8,534,815.00	0.00	8,534,815.00
YEAR 2022	1.0000	LS	8,534,815.00	0.00	8,534,815.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	3,086,310.00	0.00	3,086,310.00
Mob & Demob - PIPELINE	1.0000	LS	735,000.00	0.00	735,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.00	0.00	36,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	72,000.00	0.00	72,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	520,030.00	0.00	520,030.00
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
USR FIELDS CUT	0.0000	CY	0.00	0.00	0.00
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
			<i>4.3700</i>	<i>0.0000%</i>	<i>4.3700</i>
USR WILMINGTON RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
USR HELLS GATE	154,000.0000	CY	688,380.00	0.00	688,380.00
			<i>4.4700</i>	<i>0.0000%</i>	<i>4.4700</i>
USR ALTAMAHA SOUND	108,000.0000	CY	383,400.00	0.00	383,400.00
			<i>3.5500</i>	<i>0.0000%</i>	<i>3.5500</i>
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
			<i>3.5000</i>	<i>0.0000%</i>	<i>3.5000</i>
Mechanical Dredge to ODMDS -----	1.0000	LS	5,448,505.00	0.00	5,448,505.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	570,000.00	0.00	570,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	35,000.00	0.00	35,000.00
			<i>17,500.0000</i>	<i>0.0000%</i>	<i>17,500.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	1.0000	DAY	35,000.00	0.00	35,000.00
			<i>35,000.0000</i>	<i>0.0000%</i>	<i>35,000.0000</i>
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	0.00	0.00	0.00
USR FLORIDA PASSAGE	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR BEAR RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR JOHNSON CREEK	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR CREIGHTON NARROWS	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,058,740.00	0.00	2,058,740.00
USR NORTH RIVER CROSSING	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ROCKEDUNDY RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR SOUTH RIVER	58,000.0000	CY	412,380.00	0.00	412,380.00
			<i>7.1100</i>	<i>0.0000%</i>	<i>7.1100</i>
USR LITTLE MUD RIVER	260,500.0000	CY	1,646,360.00	0.00	1,646,360.00
			<i>6.3200</i>	<i>0.0000%</i>	<i>6.3200</i>
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	2,819,765.00	0.00	2,819,765.00
			<i>6.1100</i>	<i>0.0000%</i>	<i>6.1100</i>
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	256,044.00	0.00	256,044.00
30 23 Design & Construction Documents -----	1.0000	LS	256,044.00	0.00	256,044.00
PED	1.0000	LS	256,044.00	0.00	256,044.00
PED	1.0000	LS	256,044.00	0.00	256,044.00
USR 3%	1.0000	LS	256,044.00	0.00	256,044.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2024	1.0000	LS	13,225,568.00	0.00	13,225,568.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2024	1.0000	LS	12,432,590.00	0.00	12,432,590.00
YEAR 2024	1.0000	LS	12,432,590.00	0.00	12,432,590.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	3,843,405.00	0.00	3,843,405.00
Mob & Demob - PIPELINE	1.0000	LS	735,000.00	0.00	735,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.00	0.00	36,000.00
			<i>18,000.0000</i>	<i>0.0000%</i>	<i>18,000.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	72,000.00	0.00	72,000.00
			<i>36,000.0000</i>	<i>0.0000%</i>	<i>36,000.0000</i>
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	1,277,125.00	0.00	1,277,125.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR RAMSHORN	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR WALLS CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR FIELDS CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ELBA CUT - MCQUEEN CUT	89,500.0000	CY	3.8900 348,155.00	0.0000% 0.00	3.8900 348,155.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	4.3700 520,030.00	0.0000% 0.00	4.3700 520,030.00
USR WILMINGTON RIVER	46,000.0000	CY	8.8900 408,940.00	0.0000% 0.00	8.8900 408,940.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
USR HELLS GATE	154,000.0000	CY	4.4700 688,380.00	0.0000% 0.00	4.4700 688,380.00
USR ALTAMAHA SOUND	108,000.0000	CY	3.5500 383,400.00	0.0000% 0.00	3.5500 383,400.00
USR BUTTERMILK SOUND	217,000.0000	CY	3.5000 759,500.00	0.0000% 0.00	3.5000 759,500.00
Mechanical Dredge to ODMDS -----	1.0000	LS	8,589,185.00	0.00	8,589,185.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	657,500.00	0.00	657,500.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	17,500.0000 87,500.00	0.0000% 0.00	17,500.0000 87,500.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	35,000.0000 70,000.00	0.0000% 0.00	35,000.0000 70,000.00
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	2,109,030.00	0.00	2,109,030.00
USR FLORIDA PASSAGE	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR BEAR RIVER	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR JOHNSON CREEK	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR CREIGHTON NARROWS	181,500.0000	CY	2,109,030.00	0.00	2,109,030.00
			<i>11.6200</i>	<i>0.0000%</i>	<i>11.6200</i>
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	3,002,890.00	0.00	3,002,890.00
USR NORTH RIVER CROSSING	64,000.0000	CY	510,080.00	0.00	510,080.00
			<i>7.9700</i>	<i>0.0000%</i>	<i>7.9700</i>
USR ROCKEDUNDY RIVER	58,500.0000	CY	434,070.00	0.00	434,070.00
			<i>7.4200</i>	<i>0.0000%</i>	<i>7.4200</i>
USR SOUTH RIVER	58,000.0000	CY	412,380.00	0.00	412,380.00
			<i>7.1100</i>	<i>0.0000%</i>	<i>7.1100</i>
USR LITTLE MUD RIVER	260,500.0000	CY	1,646,360.00	0.00	1,646,360.00
			<i>6.3200</i>	<i>0.0000%</i>	<i>6.3200</i>
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	2,819,765.00	0.00	2,819,765.00
			<i>6.1100</i>	<i>0.0000%</i>	<i>6.1100</i>
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	372,978.00	0.00	372,978.00
30 23 Design & Construction Documents -----	1.0000	LS	372,978.00	0.00	372,978.00
PED	1.0000	LS	372,978.00	0.00	372,978.00
PED	1.0000	LS	372,978.00	0.00	372,978.00
USR 3%	1.0000	LS	372,978.00	0.00	372,978.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2026	1.0000	LS	7,488,267.00	0.00	7,488,267.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2026	1.0000	LS	6,862,395.00	0.00	6,862,395.00
YEAR 2026	1.0000	LS	6,862,395.00	0.00	6,862,395.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	1,413,890.00	0.00	1,413,890.00
Mob & Demob - PIPELINE	1.0000	LS	681,000.00	0.00	681,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
			<i>18,000.0000</i>	<i>0.0000%</i>	<i>18,000.0000</i>
USR iINTERMEDIATE MOBS-DEMOBS	1.0000	DAY	18,000.00	0.00	18,000.00
			<i>36,000.0000</i>	<i>0.0000%</i>	<i>36,000.0000</i>
USR iINTERMEDIATE MOBS-DEMOBS	1.0000	DAY	36,000.00	0.00	36,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	732,890.00	0.00	732,890.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
			<i>3.6700</i>	<i>0.0000%</i>	<i>3.6700</i>
USR FIELDS CUT	58,000.0000	CY	212,860.00	0.00	212,860.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00
			<i>4.3700</i>	<i>0.0000%</i>	<i>4.3700</i>
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR WILMINGTON RIVER	0.0000	CY	0.00	0.00	0.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR HELLS GATE	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ALTAMAHA SOUND	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR BUTTERMILK SOUND	0.0000	CY	0.00	0.00	0.00
Mechanical Dredge to ODMDS -----	1.0000	LS	5,448,505.00	0.00	5,448,505.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	570,000.00	0.00	570,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
			<i>17,500.0000</i>	<i>0.0000%</i>	<i>17,500.0000</i>
USR iINTERMEDIATE MOBS-DEMOBS	2.0000	DAY	35,000.00	0.00	35,000.00
			<i>35,000.0000</i>	<i>0.0000%</i>	<i>35,000.0000</i>
USR iINTERMEDIATE MOBS-DEMOBS	1.0000	DAY	35,000.00	0.00	35,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR FLORIDA PASSAGE	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR BEAR RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR JOHNSON CREEK	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR CREIGHTON NARROWS	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,058,740.00	0.00	2,058,740.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR NORTH RIVER CROSSING	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ROCKEDUNDY RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR SOUTH RIVER	58,000.0000	CY	412,380.00	0.00	412,380.00
			<i>7.1100</i>	<i>0.0000%</i>	<i>7.1100</i>
USR LITTLE MUD RIVER	260,500.0000	CY	1,646,360.00	0.00	1,646,360.00
			<i>6.3200</i>	<i>0.0000%</i>	<i>6.3200</i>
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
			<i>6.1100</i>	<i>0.0000%</i>	<i>6.1100</i>
USR JEKYL CREEK	461,500.0000	CY	2,819,765.00	0.00	2,819,765.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	205,872.00	0.00	205,872.00
30 23 Design & Construction Documents -----	1.0000	LS	205,872.00	0.00	205,872.00
PED	1.0000	LS	205,872.00	0.00	205,872.00
PED	1.0000	LS	205,872.00	0.00	205,872.00
USR 3%	1.0000	LS	205,872.00	0.00	205,872.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2028	1.0000	LS	12,456,956.00	0.00	12,456,956.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2028	1.0000	LS	11,686,365.00	0.00	11,686,365.00
YEAR 2028	1.0000	LS	11,686,365.00	0.00	11,686,365.00
Pipeline Dredge to Disposal Areas - - - - -	1.0000	LS	3,531,250.00	0.00	3,531,250.00
Mob & Demob - PIPELINE	1.0000	LS	771,000.00	0.00	771,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.00	0.00	36,000.00
USR iNTERMEDIATE MOBS-DEMOBS	3.0000	DAY	108,000.00	0.00	108,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	928,970.00	0.00	928,970.00
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
USR FIELDS CUT	0.0000	CY	0.00	0.00	0.00
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
USR WILMINGTON RIVER	46,000.0000	CY	408,940.00	0.00	408,940.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
USR HELLS GATE	154,000.0000	CY	688,380.00	0.00	688,380.00
USR ALTAMAHA SOUND	108,000.0000	CY	383,400.00	0.00	383,400.00
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
Mechanical Dredge to ODMDS - - - - -	1.0000	LS	8,155,115.00	0.00	8,155,115.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	657,500.00	0.00	657,500.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	<i>17,500.0000</i> 87,500.00	<i>0.0000%</i> 0.00	<i>17,500.0000</i> 87,500.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	<i>35,000.0000</i> 70,000.00	<i>0.0000%</i> 0.00	<i>35,000.0000</i> 70,000.00
Dredging - Forida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	2,109,030.00	0.00	2,109,030.00
USR FLORIDA PASSAGE	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR BEAR RIVER	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR JOHNSON CREEK	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR CREIGHTON NARROWS	181,500.0000	CY	<i>11.6200</i> 2,109,030.00	<i>0.0000%</i> 0.00	<i>11.6200</i> 2,109,030.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,568,820.00	0.00	2,568,820.00
USR NORTH RIVER CROSSING	64,000.0000	CY	<i>7.9700</i> 510,080.00	<i>0.0000%</i> 0.00	<i>7.9700</i> 510,080.00
USR ROCKEDUNDY RIVER	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR SOUTH RIVER	58,000.0000	CY	<i>7.1100</i> 412,380.00	<i>0.0000%</i> 0.00	<i>7.1100</i> 412,380.00
USR LITTLE MUD RIVER	260,500.0000	CY	<i>6.3200</i> 1,646,360.00	<i>0.0000%</i> 0.00	<i>6.3200</i> 1,646,360.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	<i>6.1100</i> 2,819,765.00	<i>0.0000%</i> 0.00	<i>6.1100</i> 2,819,765.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	350,591.00	0.00	350,591.00
30 23 Design & Construction Documents -----	1.0000	LS	350,591.00	0.00	350,591.00
PED	1.0000	LS	350,591.00	0.00	350,591.00
PED	1.0000	LS	350,591.00	0.00	350,591.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR 3%	1.0000	LS	350,591.00	0.00	350,591.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2030	1.0000	LS	10,883,806.00	0.00	10,883,806.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2030	1.0000	LS	10,159,035.00	0.00	10,159,035.00
YEAR 2030	1.0000	LS	10,159,035.00	0.00	10,159,035.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	3,651,010.00	0.00	3,651,010.00
Mob & Demob - PIPELINE	1.0000	LS	771,000.00	0.00	771,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.00	0.00	36,000.00
USR iNTERMEDIATE MOBS-DEMOBS	3.0000	DAY	108,000.00	0.00	108,000.00
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	1,048,730.00	0.00	1,048,730.00
USR RAMSHORN	34,000.0000	CY	528,700.00	0.00	528,700.00
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
USR FIELDS CUT	0.0000	CY	0.00	0.00	0.00
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
USR WILMINGTON RIVER	0.0000	CY	0.00	0.00	0.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR HELLS GATE	154,000.0000	CY	688,380.00	0.00	688,380.00
			<i>4.4700</i>	<i>0.0000%</i>	<i>4.4700</i>
USR ALTAMAHA SOUND	108,000.0000	CY	383,400.00	0.00	383,400.00
			<i>3.5500</i>	<i>0.0000%</i>	<i>3.5500</i>
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
			<i>3.5000</i>	<i>0.0000%</i>	<i>3.5000</i>
Mechanical Dredge to ODMDS -----	1.0000	LS	6,508,025.00	0.00	6,508,025.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	640,000.00	0.00	640,000.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	4.0000	DAY	70,000.00	0.00	70,000.00
			<i>17,500.0000</i>	<i>0.0000%</i>	<i>17,500.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	70,000.00	0.00	70,000.00
			<i>35,000.0000</i>	<i>0.0000%</i>	<i>35,000.0000</i>
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	555,450.00	0.00	555,450.00
USR FLORIDA PASSAGE	35,000.0000	CY	555,450.00	0.00	555,450.00
			<i>15.8700</i>	<i>0.0000%</i>	<i>15.8700</i>
USR BEAR RIVER	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR JOHNSON CREEK	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR CREIGHTON NARROWS	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,492,810.00	0.00	2,492,810.00
USR NORTH RIVER CROSSING	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ROCKEDUNDY RIVER	58,500.0000	CY	434,070.00	0.00	434,070.00
			<i>7.4200</i>	<i>0.0000%</i>	<i>7.4200</i>
USR SOUTH RIVER	58,000.0000	CY	412,380.00	0.00	412,380.00
			<i>7.1100</i>	<i>0.0000%</i>	<i>7.1100</i>
USR LITTLE MUD RIVER	260,500.0000	CY	1,646,360.00	0.00	1,646,360.00
			<i>6.3200</i>	<i>0.0000%</i>	<i>6.3200</i>
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR JEKYL CREEK	461,500.0000	CY	2,819,765.00	0.00	2,819,765.00
			<i>6.1100</i>	<i>0.0000%</i>	<i>6.1100</i>
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	304,771.00	0.00	304,771.00
30 23 Design & Construction Documents -----	1.0000	LS	304,771.00	0.00	304,771.00
PED	1.0000	LS	304,771.00	0.00	304,771.00
PED	1.0000	LS	304,771.00	0.00	304,771.00
USR 3%	1.0000	LS	304,771.00	0.00	304,771.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2032	1.0000	LS	10,697,283.00	0.00	10,697,283.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2032	1.0000	LS	9,977,945.00	0.00	9,977,945.00
YEAR 2032	1.0000	LS	9,977,945.00	0.00	9,977,945.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	1,822,830.00	0.00	1,822,830.00
Mob & Demob - PIPELINE	1.0000	LS	681,000.00	0.00	681,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	1.0000	DAY	18,000.00	0.00	18,000.00
			<i>18,000.0000</i>	<i>0.0000%</i>	<i>18,000.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	1.0000	DAY	36,000.00	0.00	36,000.00
			<i>36,000.0000</i>	<i>0.0000%</i>	<i>36,000.0000</i>
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	1,141,830.00	0.00	1,141,830.00
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR FIELDS CUT	58,000.0000	CY	212,860.00	0.00	212,860.00
			<i>3.6700</i>	<i>0.0000%</i>	<i>3.6700</i>

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ST AUGUSTINE CREEK	119,000.0000	CY	4.3700 520,030.00	0.0000% 0.00	4.3700 520,030.00
USR WILMINGTON RIVER	46,000.0000	CY	8.8900 408,940.00	0.0000% 0.00	8.8900 408,940.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	0.00	0.00	0.00
USR HELLS GATE	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ALTAMAHA SOUND	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR BUTTERMILK SOUND	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
Mechanical Dredge to ODMDS -----	1.0000	LS	8,155,115.00	0.00	8,155,115.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	657,500.00	0.00	657,500.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	17,500.0000 87,500.00	0.0000% 0.00	17,500.0000 87,500.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	35,000.0000 70,000.00	0.0000% 0.00	35,000.0000 70,000.00
Dredging - Forida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	2,109,030.00	0.00	2,109,030.00
USR FLORIDA PASSAGE	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR BEAR RIVER	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR JOHNSON CREEK	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR CREIGHTON NARROWS	181,500.0000	CY	11.6200 2,109,030.00	0.0000% 0.00	11.6200 2,109,030.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,568,820.00	0.00	2,568,820.00
USR NORTH RIVER CROSSING	64,000.0000	CY	7.9700 510,080.00	0.0000% 0.00	7.9700 510,080.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR ROCKEDUNDY RIVER	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR SOUTH RIVER	58,000.0000	CY	7.1100 412,380.00	0.0000% 0.00	7.1100 412,380.00
USR LITTLE MUD RIVER	260,500.0000	CY	6.3200 1,646,360.00	0.0000% 0.00	6.3200 1,646,360.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	6.1100 2,819,765.00	0.0000% 0.00	6.1100 2,819,765.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	299,338.00	0.00	299,338.00
30 23 Design & Construction Documents -----	1.0000	LS	299,338.00	0.00	299,338.00
PED	1.0000	LS	299,338.00	0.00	299,338.00
PED	1.0000	LS	299,338.00	0.00	299,338.00
USR 3%	1.0000	LS	299,338.00	0.00	299,338.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00
YEAR 2034	1.0000	LS	11,157,642.00	0.00	11,157,642.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2034	1.0000	LS	10,424,895.00	0.00	10,424,895.00
YEAR 2034	1.0000	LS	10,424,895.00	0.00	10,424,895.00
Pipeline Dredge to Disposal Areas -----	1.0000	LS	3,914,460.00	0.00	3,914,460.00
Mob & Demob - PIPELINE	1.0000	LS	771,000.00	0.00	771,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	18,000.0000 36,000.00	0.0000% 0.00	18,000.0000 36,000.00
USR iNTERMEDIATE MOBS-DEMOBS	3.0000	DAY	36,000.0000 108,000.00	0.0000% 0.00	36,000.0000 108,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	1,078,285.00	0.00	1,078,285.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
			<i>9.5500</i>	<i>0.0000%</i>	<i>9.5500</i>
USR WALLS CUT	22,000.0000	CY	210,100.00	0.00	210,100.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR FIELDS CUT	0.0000	CY	0.00	0.00	0.00
			<i>3.8900</i>	<i>0.0000%</i>	<i>3.8900</i>
USR ELBA CUT - MCQUEEN CUT	89,500.0000	CY	348,155.00	0.00	348,155.00
			<i>4.3700</i>	<i>0.0000%</i>	<i>4.3700</i>
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR WILMINGTON RIVER	0.0000	CY	0.00	0.00	0.00
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
			<i>4.4700</i>	<i>0.0000%</i>	<i>4.4700</i>
USR HELLS GATE	154,000.0000	CY	688,380.00	0.00	688,380.00
			<i>3.5500</i>	<i>0.0000%</i>	<i>3.5500</i>
USR ALTAMAHA SOUND	108,000.0000	CY	383,400.00	0.00	383,400.00
			<i>3.5000</i>	<i>0.0000%</i>	<i>3.5000</i>
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
Dredging - Cumberland River	1.0000	LS	233,895.00	0.00	233,895.00
			<i>5.0300</i>	<i>0.0000%</i>	<i>5.0300</i>
USR CUMBERLAND RIVER	46,500.0000	CY	233,895.00	0.00	233,895.00
Mechanical Dredge to ODMDS -----	1.0000	LS	6,510,435.00	0.00	6,510,435.00
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	657,500.00	0.00	657,500.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
			<i>17,500.0000</i>	<i>0.0000%</i>	<i>17,500.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	87,500.00	0.00	87,500.00
			<i>35,000.0000</i>	<i>0.0000%</i>	<i>35,000.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	70,000.00	0.00	70,000.00
Dredging - Florida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	540,360.00	0.00	540,360.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR FLORIDA PASSAGE	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR BEAR RIVER	39,500.0000	CY	13.6800 540,360.00	0.0000% 0.00	13.6800 540,360.00
USR JOHNSON CREEK	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR CREIGHTON NARROWS	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,492,810.00	0.00	2,492,810.00
USR NORTH RIVER CROSSING	0.0000	CY	0.0000 0.00	0.0000% 0.00	0.0000 0.00
USR ROCKEDUNDY RIVER	58,500.0000	CY	7.4200 434,070.00	0.0000% 0.00	7.4200 434,070.00
USR SOUTH RIVER	58,000.0000	CY	7.1100 412,380.00	0.0000% 0.00	7.1100 412,380.00
USR LITTLE MUD RIVER	260,500.0000	CY	6.3200 1,646,360.00	0.0000% 0.00	6.3200 1,646,360.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	6.1100 2,819,765.00	0.0000% 0.00	6.1100 2,819,765.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	312,747.00	0.00	312,747.00
30 23 Design & Construction Documents -----	1.0000	LS	312,747.00	0.00	312,747.00
PED	1.0000	LS	312,747.00	0.00	312,747.00
PED	1.0000	LS	312,747.00	0.00	312,747.00
USR 3%	1.0000	LS	312,747.00	0.00	312,747.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
YEAR 2036	1.0000	LS	12,456,956.00	0.00	12,456,956.00
12 NAVIGATION, PORTS AND HARBORS - YEAR 2036	1.0000	LS	11,686,365.00	0.00	11,686,365.00
YEAR 2036	1.0000	LS	11,686,365.00	0.00	11,686,365.00
Pipeline Dredge to Disposal Areas - - - - -	1.0000	LS	3,531,250.00	0.00	3,531,250.00
Mob & Demob - PIPELINE	1.0000	LS	771,000.00	0.00	771,000.00
USR INITIAL MOB DEMOB	1.0000	LS	627,000.00	0.00	627,000.00
			<i>18,000.0000</i>	<i>0.0000%</i>	<i>18,000.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	36,000.00	0.00	36,000.00
			<i>36,000.0000</i>	<i>0.0000%</i>	<i>36,000.0000</i>
USR iNTERMEDIATE MOBS-DEMOBS	3.0000	DAY	108,000.00	0.00	108,000.00
			<i>36,000.0000</i>	<i>0.0000%</i>	<i>36,000.0000</i>
Dredging - Ramshorn - Wall Cut - Fields Cut - Elba Cut - St. Augustine Creek - Wilmington River TO DA-14B	1.0000	LS	928,970.00	0.00	928,970.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR RAMSHORN	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR WALLS CUT	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR FIELDS CUT	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ELBA CUT - MCQUEEN CUT	0.0000	CY	0.00	0.00	0.00
			<i>0.0000</i>	<i>0.0000%</i>	<i>0.0000</i>
USR ST AUGUSTINE CREEK	119,000.0000	CY	520,030.00	0.00	520,030.00
			<i>4.3700</i>	<i>0.0000%</i>	<i>4.3700</i>
USR WILMINGTON RIVER	46,000.0000	CY	408,940.00	0.00	408,940.00
			<i>8.8900</i>	<i>0.0000%</i>	<i>8.8900</i>
Dredging - Hells Gate - Altamaha Sound - Buttermilk Sound	1.0000	LS	1,831,280.00	0.00	1,831,280.00
			<i>4.4700</i>	<i>0.0000%</i>	<i>4.4700</i>
USR HELLS GATE	154,000.0000	CY	688,380.00	0.00	688,380.00
			<i>3.5500</i>	<i>0.0000%</i>	<i>3.5500</i>
USR ALTAMAHA SOUND	108,000.0000	CY	383,400.00	0.00	383,400.00
			<i>3.5000</i>	<i>0.0000%</i>	<i>3.5000</i>
USR BUTTERMILK SOUND	217,000.0000	CY	759,500.00	0.00	759,500.00
			<i>3.5000</i>	<i>0.0000%</i>	<i>3.5000</i>
Mechanical Dredge to ODMDS - - - - -	1.0000	LS	8,155,115.00	0.00	8,155,115.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
Mob & Demob - MECHANICAL DREDGE	1.0000	LS	657,500.00	0.00	657,500.00
USR INITIAL MOB DEMOB	1.0000	LS	500,000.00	0.00	500,000.00
USR iNTERMEDIATE MOBS-DEMOBS	5.0000	DAY	<i>17,500.0000</i> 87,500.00	<i>0.0000%</i> 0.00	<i>17,500.0000</i> 87,500.00
USR iNTERMEDIATE MOBS-DEMOBS	2.0000	DAY	<i>35,000.0000</i> 70,000.00	<i>0.0000%</i> 0.00	<i>35,000.0000</i> 70,000.00
Dredging - Forida Passage - Bear River - Johnson Creek - Creighton Narrows to Sapelo ODMDS	1.0000	LS	2,109,030.00	0.00	2,109,030.00
USR FLORIDA PASSAGE	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR BEAR RIVER	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR JOHNSON CREEK	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR CREIGHTON NARROWS	181,500.0000	CY	<i>11.6200</i> 2,109,030.00	<i>0.0000%</i> 0.00	<i>11.6200</i> 2,109,030.00
Dredging - North River Crossing - Rockedundy - South River - Little Mud River to Altamaha Sound	1.0000	LS	2,568,820.00	0.00	2,568,820.00
USR NORTH RIVER CROSSING	64,000.0000	CY	<i>7.9700</i> 510,080.00	<i>0.0000%</i> 0.00	<i>7.9700</i> 510,080.00
USR ROCKEDUNDY RIVER	0.0000	CY	<i>0.0000</i> 0.00	<i>0.0000%</i> 0.00	<i>0.0000</i> 0.00
USR SOUTH RIVER	58,000.0000	CY	<i>7.1100</i> 412,380.00	<i>0.0000%</i> 0.00	<i>7.1100</i> 412,380.00
USR LITTLE MUD RIVER	260,500.0000	CY	<i>6.3200</i> 1,646,360.00	<i>0.0000%</i> 0.00	<i>6.3200</i> 1,646,360.00
Dredging - Jekyl Creek to Brunswick ODMDS	1.0000	LS	2,819,765.00	0.00	2,819,765.00
USR JEKYL CREEK	461,500.0000	CY	<i>6.1100</i> 2,819,765.00	<i>0.0000%</i> 0.00	<i>6.1100</i> 2,819,765.00
30 PLANNING ENGINEERING & DESIGN	1.0000	LS	350,591.00	0.00	350,591.00
30 23 Design & Construction Documents -----	1.0000	LS	350,591.00	0.00	350,591.00
PED	1.0000	LS	350,591.00	0.00	350,591.00
PED	1.0000	LS	350,591.00	0.00	350,591.00

<u>Description</u>	<u>Quantity</u>	<u>UOM</u>	<u>ContractCost</u>	<u>Contingency</u>	<u>ProjectCost</u>
USR 3%	1.0000	LS	350,591.00	0.00	350,591.00
31 CONSTRUCTION MANAGEMENT	1.0000	LS	420,000.00	0.00	420,000.00
31 23 Construction, Project Mgt, & EDC -----	1.0000	LS	420,000.00	0.00	420,000.00
Construction, Project Mgt, & EDC	1.0000	LS	420,000.00	0.00	420,000.00
S&A	1.0000	LS	420,000.00	0.00	420,000.00
USR Monthly per construction periods	1.0000	LS	420,000.00	0.00	420,000.00

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

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PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA

SAS - SAVANNAH
 CHIEF, COST ENGINEERING

PREPARED: 3/25/2013

This Estimate reflects the scope and schedule in report; AIWW DMMP

						FULLY FUNDED PROJECT ESTIMATE			
BASE COST PRICE LEVEL OCT 1, 2012									
Civil Works	COST	CNTG	CNTG	TOTAL		COST	CNTG	FULL	
	(\$K)	(\$K)	(%)	(\$K)		(\$K)	(\$K)	(\$K)	
PROJECT COST TOTALS:	\$135,723	\$33,931	25%	\$169,654		28%	\$173,303	\$43,326	\$216,629
FY 2016	COST TOTALS ALL FEATURES:	\$23,148	\$5,787	25%	\$28,935	2016Q3	\$24,701	\$6,175	\$30,876
FY 2017	COST TOTALS ALL FEATURES:	\$2,729	\$682	25%	\$3,411	2017Q3	\$2,991	\$748	\$3,739
FY 2018	COST TOTALS ALL FEATURES:	\$9,018	\$2,255	25%	\$11,273	2018Q3	\$9,996	\$2,499	\$12,495
FY 2020	COST TOTALS ALL FEATURES:	\$13,251	\$3,313	25%	\$16,564	2020Q3	\$15,240	\$3,810	\$19,050
FY 2022	COST TOTALS ALL FEATURES:	\$9,210	\$2,303	25%	\$11,513	2022Q3	\$11,024	\$2,756	\$13,780
FY 2024	COST TOTALS ALL FEATURES:	\$13,226	\$3,307	25%	\$16,533	2024Q3	\$16,399	\$4,100	\$20,499
FY 2026	COST TOTALS ALL FEATURES:	\$7,488	\$1,872	25%	\$9,360	2026Q3	\$9,692	\$2,423	\$12,115
FY 2028	COST TOTALS ALL FEATURES:	\$12,457	\$3,114	25%	\$15,571	2028Q3	\$16,655	\$4,164	\$20,818
FY 2030	COST TOTALS ALL FEATURES:	\$10,884	\$2,721	25%	\$13,605	2030Q3	\$15,127	\$3,782	\$18,909
FY 2032	COST TOTALS ALL FEATURES:	\$10,698	\$2,675	25%	\$13,373	2032Q3	\$15,440	\$3,860	\$19,300
FY 2034	COST TOTALS ALL FEATURES:	\$11,158	\$2,790	25%	\$13,948	2034Q3	\$16,708	\$4,177	\$20,885
FY 2036	COST TOTALS ALL FEATURES:	\$12,456	\$3,114	25%	\$15,570	2036Q3	\$19,330	\$4,833	\$24,163

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

PROJECT: AIWW Dredge Material Management Plan
LOCATION: Port Royal Sound, SC to Cumberland Sound, GA

DISTRICT: SAS - SAVANNAH
POC: CHIEF, COST ENGINEERING

PREPARED: 3/25/2013

This Estimate reflects the scope and schedule in report; AIWW DMMP

WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE								
						BASE COST				FIRST COST				Spent Thru:				
						ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	COST (\$K)	CNTG (\$K)	FULL (\$K)						
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O				
12	NAVIGATION PORTS & HARBORS	\$126,371	\$31,593	25%	\$157,964	2.3%	\$129,274	\$32,319	\$161,593	0		\$159,141	\$39,785	\$198,927				
CONSTRUCTION ESTIMATE TOTALS:		\$126,371	\$31,593		\$157,964	2.3%	\$129,274	\$32,319	\$161,593	0		\$159,141	\$39,785	\$198,927				
01	LANDS AND DAMAGES	\$0	\$0		\$0	-	\$0	\$0	\$0			\$0	\$0	\$0				
30	PLANNING, ENGINEERING & DESIGN	\$3,612	\$903	25%	\$4,515	4.2%	\$3,765	\$941	\$4,707			\$5,560	\$1,390	\$6,950				
31	CONSTRUCTION MANAGEMENT	\$5,740	\$1,435	25%	\$7,175	4.5%	\$5,999	\$1,500	\$7,499			\$8,602	\$2,151	\$10,753				
PROJECT COST TOTALS:		\$135,723	\$33,931	25%	\$169,654	2.4%	\$139,039	\$34,760	\$173,799	0		\$173,303	\$43,326	\$216,629				
CHIEF, COST ENGINEERING										ESTIMATED FEDERAL COST: \$216,629								
PROJECT MANAGER										ESTIMATED NON-FEDERAL COST: \$0								
CHIEF, REAL ESTATE										ESTIMATED TOTAL PROJECT COST: \$216,629								
CHIEF, PLANNING																		
CHIEF, ENGINEERING																		
CHIEF, OPERATIONS																		
CHIEF, CONSTRUCTION																		
CHIEF, CONTRACTING																		
CHIEF, PM-J										O&M OUTSIDE OF TOTAL PROJECT COST:								
CHIEF, DPM																		

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1-Oct-12						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS	Civil Works	COST	CNTG	CNTG	TOTAL	ESC	COST	CNTG	TOTAL	Mid-Point	ESC	COST	CNTG	FULL
NUMBER	Feature & Sub-Feature Description	(\$K)	(\$K)	(%)	(\$K)	(%)	(\$K)	(\$K)	(\$K)	Date	(%)	(\$K)	(\$K)	(\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	FY 2016													
12	NAVIGATION PORTS & HARBORS	\$21,445	\$5,361	25.0%	\$26,806	5.3%	\$22,581	\$5,645	\$28,226	2016Q3	0.9%	\$22,786	\$5,696	\$28,482
							\$0							
	CONSTRUCTION ESTIMATE TOTALS:	\$21,445	\$5,361	25.0%	\$26,806		\$22,581	\$5,645	\$28,226			\$22,786	\$5,696	\$28,482
01	LANDS AND DAMAGES	\$0	\$0	0.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
						0.0%								
30	PLANNING, ENGINEERING & DESIGN					0.0%					0.0%			
	PED	\$583	\$146	25.0%	\$729	11.1%	\$647	\$162	\$809	2016Q1	0.0%	\$647	\$162	\$809
31	CONSTRUCTION MANAGEMENT					11.1%	\$1,244	\$311	\$1,555	2016Q3	1.9%	\$1,267	\$317	\$1,584
	Construction Management	\$1,120	\$280	25.0%	\$1,400									
	COST TOTALS ALL FEATURES:	\$23,148	\$5,787	25.0%	\$28,935		\$24,472	\$6,118	\$30,591		#DIV/0!	\$24,701	\$6,175	\$30,876

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2017 NAVIGATION PORTS & HARBORS	\$2,300	\$575	25.0%	\$2,875	1.7%	\$2,339	\$585	\$2,923	2017Q3	6.4%	\$2,488	\$622	\$3,110
	CONSTRUCTION ESTIMATE TOTALS:	\$2,300	\$575	25.0%	\$2,875		\$2,339	\$585	\$2,923			\$2,488	\$622	\$3,110
01	LANDS AND DAMAGES	\$0	\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$9	\$2	25.0%	\$11	0.0%	\$9	\$2	\$12	2017Q1	12.0%	\$10	\$3	\$13
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2017Q3	14.0%	\$493	\$123	\$616
	COST TOTALS ALL FEATURES:	\$2,729	\$682	25.0%	\$3,411		\$2,780	\$695	\$3,475			\$2,991	\$748	\$3,739

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

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2018 NAVIGATION PORTS & HARBORS	\$8,406	\$2,102	25.0%	\$10,508	1.7%	\$8,548	\$2,137	\$10,684	2018Q3	8.3%	\$9,256	\$2,314	\$11,570
	CONSTRUCTION ESTIMATE TOTALS:	\$8,406	\$2,102	25.0%	\$10,508		\$8,548	\$2,137	\$10,684			\$9,256	\$2,314	\$11,570
01	LANDS AND DAMAGES	\$0	\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$192	\$48	25.0%	\$240	0.0%	\$198	\$49	\$247	2018Q1	16.1%	\$229	\$57	\$287
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2018Q3	18.1%	\$511	\$128	\$638
	COST TOTALS ALL FEATURES:	\$9,018	\$2,255	25.0%	\$11,273		\$9,178	\$2,294	\$11,472			\$9,996	\$2,499	\$12,495

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH PREPARED: 3/25/2013
 POC: CHIEF, COST ENGINEERING

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2020 NAVIGATION PORTS & HARBORS	\$12,457	\$3,114	25.0%	\$15,571	1.7%	\$12,667	\$3,167	\$15,833	2020Q3	12.2%	\$14,215	\$3,554	\$17,769
	CONSTRUCTION ESTIMATE TOTALS:	\$12,457	\$3,114	25.0%	\$15,571		\$12,667	\$3,167	\$15,833			\$14,215	\$3,554	\$17,769
01	LANDS AND DAMAGES	\$0	\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$374	\$94	25.0%	\$468	0.0%	\$385	\$96	\$481	2020Q1	24.3%	\$479	\$120	\$598
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2020Q3	26.4%	\$546	\$137	\$683
	COST TOTALS ALL FEATURES:	\$13,251	\$3,313	25.0%	\$16,564		\$13,484	\$3,371	\$16,855			\$15,240	\$3,810	\$19,050

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2022 NAVIGATION PORTS & HARBORS	\$8,534	\$2,134	25.0%	\$10,668	1.7%	\$8,678	\$2,169	\$10,847	2022Q3	16.3%	\$10,092	\$2,523	\$12,615
	CONSTRUCTION ESTIMATE TOTALS:	\$8,534	\$2,134	25.0%	\$10,668		\$8,678	\$2,169	\$10,847			\$10,092	\$2,523	\$12,615
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$256	\$64	25.0%	\$320	0.0%	\$264	\$66	\$329	2022Q1	32.7%	\$350	\$87	\$437
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2022Q3	34.8%	\$583	\$146	\$728
	COST TOTALS ALL FEATURES:	\$9,210	\$2,303	25.0%	\$11,513		\$9,374	\$2,343	\$11,717			\$11,024	\$2,756	\$13,780

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2024 NAVIGATION PORTS & HARBORS	\$12,433	\$3,108	25.0%	\$15,541	1.7%	\$12,642	\$3,161	\$15,803	2024Q3	20.5%	\$15,237	\$3,809	\$19,046
CONSTRUCTION ESTIMATE TOTALS:		\$12,433	\$3,108	25.0%	\$15,541		\$12,642	\$3,161	\$15,803			\$15,237	\$3,809	\$19,046
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$373	\$93	25.0%	\$466	0.0%	\$384	\$96	\$480	2024Q1	41.3%	\$542	\$136	\$678
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2024Q3	43.5%	\$620	\$155	\$775
COST TOTALS ALL FEATURES:		\$13,226	\$3,307	25.0%	\$16,533		\$13,459	\$3,365	\$16,823			\$16,399	\$4,100	\$20,499

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
	FY 2026													
12	NAVIGATION PORTS & HARBORS	\$6,862	\$1,716	25.0%	\$8,578	1.7%	\$6,978	\$1,744	\$8,722	2026Q3	24.9%	\$8,715	\$2,179	\$10,894
	CONSTRUCTION ESTIMATE TOTALS:	\$6,862	\$1,716	25.0%	\$8,578		\$6,978	\$1,744	\$8,722			\$8,715	\$2,179	\$10,894
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$206	\$52	25.0%	\$258	0.0%	\$212	\$53	\$265	2026Q1	50.1%	\$318	\$80	\$398
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2026Q3	52.3%	\$659	\$165	\$823
	COST TOTALS ALL FEATURES:	\$7,488	\$1,872	25.0%	\$9,360		\$7,622	\$1,905	\$9,527			\$9,692	\$2,423	\$12,115

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2028 NAVIGATION PORTS & HARBORS	\$11,686	\$2,922	25.0%	\$14,608	1.7%	\$11,883	\$2,971	\$14,853	2028Q3	29.4%	\$15,381	\$3,845	\$19,226
CONSTRUCTION ESTIMATE TOTALS:		\$11,686	\$2,922	25.0%	\$14,608		\$11,883	\$2,971	\$14,853			\$15,381	\$3,845	\$19,226
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$351	\$88	25.0%	\$439	0.0%	\$361	\$90	\$452	2028Q1	59.3%	\$575	\$144	\$719
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2028Q3	61.6%	\$699	\$175	\$873
COST TOTALS ALL FEATURES:		\$12,457	\$3,114	25.0%	\$15,571		\$12,676	\$3,169	\$15,846			\$16,655	\$4,164	\$20,818

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2030 NAVIGATION PORTS & HARBORS	\$10,159	\$2,540	25.0%	\$12,699	1.7%	\$10,330	\$2,583	\$12,913	2030Q3	34.1%	\$13,857	\$3,464	\$17,321
CONSTRUCTION ESTIMATE TOTALS:		\$10,159	\$2,540	25.0%	\$12,699		\$10,330	\$2,583	\$12,913			\$13,857	\$3,464	\$17,321
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$305	\$76	25.0%	\$381	0.0%	\$314	\$78	\$392	2030Q1	68.8%	\$530	\$132	\$662
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2030Q3	71.3%	\$740	\$185	\$925
COST TOTALS ALL FEATURES:		\$10,884	\$2,721	25.0%	\$13,605		\$11,076	\$2,769	\$13,845			\$15,127	\$3,782	\$18,909

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2032 NAVIGATION PORTS & HARBORS	\$9,978	\$2,495	25.0%	\$12,473	1.7%	\$10,146	\$2,537	\$12,683	2032Q3	39.0%	\$14,104	\$3,526	\$17,630
CONSTRUCTION ESTIMATE TOTALS:		\$9,978	\$2,495	25.0%	\$12,473		\$10,146	\$2,537	\$12,683			\$14,104	\$3,526	\$17,630
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$300	\$75	25.0%	\$375	0.0%	\$309	\$77	\$386	2032Q1	78.7%	\$552	\$138	\$690
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2032Q3	81.3%	\$784	\$196	\$980
COST TOTALS ALL FEATURES:		\$10,698	\$2,675	25.0%	\$13,373		\$10,887	\$2,722	\$13,609			\$15,440	\$3,860	\$19,300

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2034 NAVIGATION PORTS & HARBORS	\$10,425	\$2,606	25.0%	\$13,031	1.7%	\$10,601	\$2,650	\$13,251	2034Q3	44.1%	\$15,271	\$3,818	\$19,089
CONSTRUCTION ESTIMATE TOTALS:		\$10,425	\$2,606	25.0%	\$13,031		\$10,601	\$2,650	\$13,251			\$15,271	\$3,818	\$19,089
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$313	\$78	25.0%	\$391	0.0%	\$322	\$81	\$403	2034Q1	89.0%	\$609	\$152	\$761
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2034Q3	91.5%	\$828	\$207	\$1,035
COST TOTALS ALL FEATURES:		\$11,158	\$2,790	25.0%	\$13,948		\$11,355	\$2,839	\$14,194			\$16,708	\$4,177	\$20,885

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

**** CONTRACT COST SUMMARY ****

PROJECT: AIWW Dredge Material Management Plan
 LOCATION: Port Royal Sound, SC to Cumberland Sound, GA
 This Estimate reflects the scope and schedule in report; AIWW DMMP

DISTRICT: SAS - SAVANNAH
 POC: CHIEF, COST ENGINEERING
 PREPARED: 3/25/2013

Estimate Prepared: 25-Mar-13 Effective Price Level: 1 OCT 13						Program Year (Budget EC): 2016 Effective Price Level Date: 1 OCT 15				FULLY FUNDED PROJECT ESTIMATE				
WBS NUMBER	Civil Works Feature & Sub-Feature Description	COST (\$K)	CNTG (\$K)	CNTG (%)	TOTAL (\$K)	ESC (%)	COST (\$K)	CNTG (\$K)	TOTAL (\$K)	Mid-Point Date	ESC (%)	COST (\$K)	CNTG (\$K)	FULL (\$K)
A	B	C	D	E	F	G	H	I	J	P	L	M	N	O
12	FY 2036 NAVIGATION PORTS & HARBORS	\$11,686	\$2,922	25.0%	\$14,608	1.7%	\$11,883	\$2,971	\$14,853	2036Q3	49.3%	\$17,740	\$4,435	\$22,175
CONSTRUCTION ESTIMATE TOTALS:		\$11,686	\$2,922	25.0%	\$14,608		\$11,883	\$2,971	\$14,853			\$17,740	\$4,435	\$22,175
01	LANDS AND DAMAGES		\$0	25.0%	\$0	0.0%	\$0	\$0	\$0	0-Jan-00	0.0%	\$0	\$0	\$0
30	PLANNING, ENGINEERING & DESIGN PED	\$350	\$88	25.0%	\$438	0.0%	\$360	\$90	\$450	2036Q1	99.2%	\$718	\$179	\$897
31	CONSTRUCTION MANAGEMENT Construction Management	\$420	\$105	25.0%	\$525	2.9%	\$432	\$108	\$540	2036Q3	101.8%	\$872	\$218	\$1,091
COST TOTALS ALL FEATURES:		\$12,456	\$3,114	25.0%	\$15,570		\$12,675	\$3,169	\$15,844			\$19,330	\$4,833	\$24,163

Abbreviated Risk Analysis

Project (less than \$40M): **AIWW Savannah, Ga - Years 2016 - 2036**
 Project Development Stage: **Feasibility (Recommended Plan)**
 Risk Category: **Low Risk: Simple Project-No Life Safety**

Total Construction Contract Cost = \$ **21,444,661**

<u>CWWBS</u>	<u>Feature of Work</u>	<u>Contract Cost</u>	<u>% Contingency</u>	<u>\$ Contingency</u>	<u>Total</u>
REPRESENTS COSTS FOR YEAR 2016 - WHICH HAS GREATEST COSTS AND MOST FEATURES					
01 LANDS AND DAMAGES	Real Estate	\$ -	0.00%	\$ -	\$ -
1	12 NAVIGATION, PORTS AND HARBORS PIPELINE DREDGING - MOB DEMOB	\$ 897,000	20.54%	\$ 184,269	\$ 1,081,268.88
2	12 NAVIGATION, PORTS AND HARBORS PIPELINE DREDGING	\$ 6,102,435	22.82%	\$ 1,392,879	\$ 7,495,313.66
3	12 NAVIGATION, PORTS AND HARBORS MECHANICAL DREDGING MOB DEMOB	\$ 500,000	20.54%	\$ 102,714	\$ 602,713.98
4	12 NAVIGATION, PORTS AND HARBORS MECHANICAL DREDGING	\$ 3,195,225	22.82%	\$ 729,309	\$ 3,924,533.99
5	12 NAVIGATION, PORTS AND HARBORS GEOTEXTILE TUBE	\$ 8,750,000	29.78%	\$ 2,606,130	\$ 11,356,129.93
6	12 NAVIGATION, PORTS AND HARBORS NEW ODMDs APPROVALS	\$ 2,000,000	25.88%	\$ 517,577	\$ 2,517,576.92
13	30 PLANNING, ENGINEERING, AND DESIGN Planning, Engineering, & Design	\$ 583,340	10.63%	\$ 62,013	\$ 645,352.63
14	31 CONSTRUCTION MANAGEMENT Construction Management	\$ 1,120,000	10.63%	\$ 119,063	\$ 1,239,062.89

Totals					
	Real Estate	\$ -	0.00%	\$ -	\$ -
	Total Construction Estimate	\$ 21,444,661	25.80%	\$ 5,532,877	\$ 26,977,538
	Total Planning, Engineering & Design	\$ 583,340	10.63%	\$ 62,013	\$ 645,353
	Total Construction Management	\$ 1,120,000	10.63%	\$ 119,063	\$ 1,239,063
	Total	\$ 23,148,001	24.68%	\$ 5,713,953	\$ 28,861,954

	Risk Level				
Very Likely	2	3	4	5	5
Likely	1	2	3	4	5
Possible	0	1	2	3	4
Unlikely	0	0	1	2	3
	Negligible	Marginal	Significant	Critical	Crisis

Risk Element	Feature of Work	Concerns Pull Down Tab (ENABLE MACROS THRU TRUST CENTER) (Choose ALL that apply)	Concerns	PDT Discussions & Conclusions (Include logic & justification for choice of Likelihood & Impact)	Likelihood	Impact	Risk Level	
Project Scope Growth								
							Max Potential Cost Growth	40%
PS-1	PIPELINE DREDGING - MOB DEMOB	• Investigations sufficient to support design assumptions?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? Investigations sufficient to support design assumptions? 	If ANNUAL funding is not adequate to remove shoaling, locations requiring dredging may mean more MOB-DEMOS for years funds are available but overall would be negligible.	Likely	Negligible	1	
PS-2	PIPELINE DREDGING	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? Investigations sufficient to support design assumptions? 	If ANNUAL funding is not adequate to remove shoaling, smaller quantities may cause increase in unit pricing if bank heights are not optimal. If not dredged, this would leave more material in channel which would lead to larger budgets the following years.	Likely	Marginal	2	
PS-3	MECHANICAL DREDGING MOB DEMOB	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? Investigations sufficient to support design assumptions? 	SAME AS PS-1	Likely	Negligible	1	
PS-4	MECHANICAL DREDGING	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? Investigations sufficient to support design assumptions? 	SAME AS PS-2	Likely	Marginal	2	
PS-5	GEOTEXTILE TUBE	• Investigations sufficient to support design assumptions?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? Investigations sufficient to support design assumptions? 	Actual surveys have not been performed so likely quantities may increase or size of geotextile tubes may change; however upper range of quotes were used in cost estimate so changes could be significant.	Likely	Significant	3	
PS-6	NEW ODMDS APPROVALS	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? 	Scope based on discussion with other SAD personnel for Development of other permitting and approval of ODMDS; however, Georgia authority approvals may vary from other districts and may be significant.	Likely	Significant	3	
PS-7	Planning, Engineering, & Design	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? 	With any scope changes would come PED changes but should be negligible.	Likely	Negligible	1	
PS-8	Construction Management	• Potential for scope growth, added features and quantities?	<ul style="list-style-type: none"> Potential for scope growth, added features and quantities? 	With any scope changes would come construction mgt changes but should be negligible.	Likely	Negligible	1	

Acquisition Strategy					Max Potential Cost Growth		30%
AS-1	PIPELINE DREDGING - MOB DEMOB	• 8a or small business likely?	<ul style="list-style-type: none"> Limited BID COMPETITIONS anticipated? Usually the sooner the bid opening acquisition the more competition there will be for dredging. Contracting plan firmly established? Bid schedule developed to reduce quantity risks? 8a or small business likely? 	<p>For best competition and timing of bids to be out early in the dredge year (beginning NOVEMBER 15); however, there are no environmental windows to be concerned with dredging for AIWW. Any risks should be negligible.</p> <p>-</p> <p>Contracting plans, multiple unit price items and small business should present routine risks normally associated with maintenance dredging.</p>	Likely	Negligible	1
AS-2	PIPELINE DREDGING	• Contracting plan firmly established?	SAME CONCERNS AS RISK ELEMENT AS-1	SAME CONCLUSIONS RISK ELEMENT AS-1	Likely	Negligible	1
AS-3	MECHANICAL DREDGING MOB DEMOB	• Contracting plan firmly established?	SAME CONCERNS AS RISK ELEMENT AS-1	SAME CONCLUSIONS RISK ELEMENT AS-1	Likely	Negligible	1
AS-4	MECHANICAL DREDGING	• Contracting plan firmly established?	SAME CONCERNS AS RISK ELEMENT AS-1	SAME CONCLUSIONS RISK ELEMENT AS-1	Likely	Negligible	1
AS-5	GEOTEXTILE TUBE	• Contracting plan firmly established?	<ul style="list-style-type: none"> Limited BID COMPETITIONS anticipated? Contracting plan firmly established? Bid schedule developed to reduce quantity risks? 	Acquisition strategy should not be major factor nor should limiting competition as there are many marine contractors along the coast capable of geotextile tube installation. Bid schedule will be per linear foot. Risks for acquisition should be negligible.	Likely	Negligible	1
AS-6	NEW ODMDS APPROVALS	• Limited bid competition anticipated?	• Not a significant amount of acquisition for development and approval of ODMDS.	Some contract negotiations for sampling and testing could lead to negligible increases.	Likely	Negligible	1
AS-7	Planning, Engineering, & Design	• Contracting plan firmly established?	No concerns.	There are no concerns for PED risks associated with acquisition strategy.	Unlikely	Negligible	0
AS-8	Construction Management	• Contracting plan firmly established?	No concerns.	There are no concerns for CONST MGT risks associated with acquisition strategy.	Unlikely	Negligible	0

Construction Elements					Max Potential Cost Growth	15%	
CE-1	PIPELINE DREDGING - MOB DEMOB	• Accelerated schedule or harsh weather schedule?	<ul style="list-style-type: none"> • Special mobilization? • Special equipment or subcontractors needed? • Accelerated schedule or harsh weather schedule? 	Mob-Demob is typical of historic equipment used. Historical weather was considered in the EFFECTIVE WORK TIME % USED IN CEDEP. Safe harbor is not considered as significant since in AIWW is protected. Any risks should be negligible.	Likely	Negligible	1
CE-2	PIPELINE DREDGING	• Accelerated schedule or harsh weather schedule?	<ul style="list-style-type: none"> • Special equipment or subcontractors needed? • Accelerated schedule or harsh weather schedule? 	CEDEP estimate has used historical equipment which is typical. Historical weather was considered in the EFFECTIVE WORK TIME % USED IN CEDEP. Safe harbor is not considered as significant since in AIWW is protected. Any risks should be negligible.	Likely	Negligible	1
CE-3	MECHANICAL DREDGING MOB DEMOB	• Accelerated schedule or harsh weather schedule?	SAME CONCERNS AS RISK ELEMENT CE-1	SAME CONCLUSIONS AS CE-1	Likely	Negligible	1
CE-4	MECHANICAL DREDGING	• Accelerated schedule or harsh weather schedule?	SAME CONCERNS AS RISK ELEMENT CE-2	SAME CONCLUSIONS AS CE-2	Likely	Negligible	1
CE-5	GEOTEXTILE TUBE	• Accelerated schedule or harsh weather schedule?	<ul style="list-style-type: none"> • Special mobilization? • Special equipment or subcontractors needed? • Accelerated schedule or harsh weather schedule? 	Equipment needed is marine equipment common to marine contractors - small pumps and barges with potential for crane/derrick to reach soil/sand source. Safe harbor is not considered as significant since in AIWW is protected. Any risks should be marginal.	Likely	Negligible	1
CE-6	NEW ODMDS APPROVALS	• Accelerated schedule or harsh weather schedule?	No concerns for ODMDS development and approvals.	Not really applicable for ODMDS development and approvals.	Unlikely	Negligible	0
CE-7	Planning, Engineering, & Design	• Potential for construction modification and claims?	<ul style="list-style-type: none"> • Unique construction methods? • Potential for construction modification and claims? 	There is always a likelihood of changes in PED because of construction methods and potential modifications, yet impact should be negligible.	Likely	Negligible	1
CE-8	Construction Management	• Accelerated schedule or harsh weather schedule?	<ul style="list-style-type: none"> • Unique construction methods? • Potential for construction modification and claims? 	There is always a likelihood of changes in CONST MGT because of construction methods and potential modifications, yet impact should be negligible.	Likely	Negligible	1

Quantities for Current Scope							Max Potential Cost Growth	20%
Q-1	PIPELINE DREDGING - MOB DEMOB	• Level of confidence based on design and assumptions?	<ul style="list-style-type: none"> • Sufficient investigations to develop locations and quantities? • Appropriate methods applied to calculate quantities? • Level of confidence based on design and assumptions? 	<ul style="list-style-type: none"> • Locations of shoaling may vary dependent on development of quantities. Historical shoaling and quantities were evaluated for quantity expectations and likely conservative. Negligible increase in locations expected. 	Likely	Negligible	1	
Q-2	PIPELINE DREDGING	• Level of confidence based on design and assumptions?	<ul style="list-style-type: none"> • Sufficient investigations to develop quantities? • Appropriate methods applied to calculate quantities? • Level of confidence based on design and assumptions? 	<ul style="list-style-type: none"> • Historical shoaling and quantities were evaluated for quantity expectations and likely more conservative than not. • Many alternatives considered in quantity development so variations should be negligible. 	Likely	Negligible	1	
Q-3	MECHANICAL DREDGING MOB DEMOB	• Level of confidence based on design and assumptions?	<p>SAME AS Q-1</p> <ul style="list-style-type: none"> • Appropriate methods applied to calculate quantities? 	SAME CONCLUSIONS AS Q-1	Likely	Negligible	1	
Q-4	MECHANICAL DREDGING	• Level of confidence based on design and assumptions?	<p>SAME AS Q-2</p> <ul style="list-style-type: none"> • Appropriate methods applied to calculate quantities? 	SAME CONCLUSIONS AS Q-2	Likely	Negligible	1	
Q-5	GEOTEXTILE TUBE	• Level of confidence based on design and assumptions?	<ul style="list-style-type: none"> • Sufficient investigations to develop quantities? • Appropriate methods applied to calculate quantities? • Level of confidence based on design and assumptions? 	SAME DISCUSSIONS AS CONCLUSIONS AS PS-5 but included additional negligible risks again here since previously addressed in PS-5.	Likely	Negligible	1	
Q-6	NEW ODMDS APPROVALS	• Level of confidence based on design and assumptions?	<ul style="list-style-type: none"> • Level of confidence based on design and assumptions? 	Since costs are based on historic costs similar to other District development and approvals, any likely changes should be negligible beyond scope changes noted in risk element PS-6.	Likely	Negligible	1	
Q-7	Planning, Engineering, & Design	• Level of confidence based on design and assumptions?	No concerns.		Unlikely	Negligible	0	
Q-8	Construction Management	• Level of confidence based on design and assumptions?	No concerns.		Unlikely	Negligible	0	

Specialty Fabrication or Equipment						Max Potential Cost Growth	50%
FE-1	PIPELINE DREDGING - MOB DEMOB	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-2	PIPELINE DREDGING	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-3	MECHANICAL DREDGING MOB DEMOB	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-4	MECHANICAL DREDGING	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-5	GEOTEXTILE TUBE	• Confidence in contractor's ability to install?	<ul style="list-style-type: none"> • Ability to reasonably transport? • Unusual parts, material or equipment manufactured or installed? • Confidence in contractor's ability to install? 	Geotextile tube availability, transport and installation are not unusual and risk variations for these concerns are negligible.	Likely	Negligible	1
FE-6	NEW ODMDS APPROVALS	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-7	Planning, Engineering, & Design	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0
FE-8	Construction Management	• Unusual parts, material or equipment manufactured or installed?	No concerns.	No specialty items for this element.	Unlikely	Negligible	0

Cost Estimate Assumptions					Max Potential Cost Growth	25%	
CT-1	PIPELINE DREDGING - MOB DEMOB	• Lack confidence on critical cost items?	<ul style="list-style-type: none"> • Assumptions related to prime and subcontractor markups/assignments? • Assumptions regarding crew, productivity, overtime? • Site accessibility, transport delays, congestion? • Overuse of Cost Book, lump sum, allowances? • Lack confidence on critical cost items? 	Estimate development and assumptions are consistent with historical O&M dredging cost methods, factors, and bids. PDT doesn't expect any major differences in the future. Cost methods similar to historic could be negligible cost growth due to unforeseen items.	Likely	Negligible	1
CT-2	PIPELINE DREDGING	• Reliability and number of key quotes?	SAME AS CT-1 CONCERNS	SAME AS CT-1	Likely	Negligible	1
CT-3	MECHANICAL DREDGING MOB DEMOB	• Reliability and number of key quotes?	SAME AS CT-1 CONCERNS	SAME AS CT-1	Likely	Negligible	1
CT-4	MECHANICAL DREDGING	• Reliability and number of key quotes?	SAME AS CT-1 CONCERNS	SAME AS CT-1	Likely	Negligible	1
CT-5	GEOTEXTILE TUBE	• Site accessibility, transport delays, congestion?	<ul style="list-style-type: none"> • Reliability and number of key quotes? • Assumptions regarding crew, productivity, overtime? • Site accessibility, transport delays, congestion? 	Several quotes and discussions of productivity, accessibility and overall site specifics are conservative and any risks for such should be negligible.	Likely	Negligible	1
CT-6	NEW ODMDS APPROVALS	• Lack confidence on critical cost items?	• Lack confidence on critical cost items?	Basis of costs from other Distircts impacts have been conservative and there should only be negligible changes based on assumptions.	Likely	Negligible	1
CT-7	Planning, Engineering, & Design	• Reliability and number of key quotes?	No concerns	Historic costs should not be a concern for PED	Unlikely	Negligible	0
CT-8	Construction Management	• Reliability and number of key quotes?	No concerns	Historic costs should not be a concern for S&A construction mgt.	Unlikely	Negligible	0

External Project Risks							Max Potential Cost Growth	20%
EX-1	PIPELINE DREDGING - MOB DEMOB	• Potential for severe adverse weather?	<ul style="list-style-type: none"> • Potential for severe adverse weather? Usually covered by emergency funding thru congress. • Political influences, lack of support, obstacles? Funding under SCOPE OF WORK elements of RISK. • Unanticipated inflations in fuel, key materials? FUEL is the biggest item for fluctuation as high as \$4.50/gallon historically. • Potential for market volatility impacting competition, pricing? Competition addressed in ACQUISITION STRATEGY which carries a greater weight overall. 	Funding issues covered under SCOPE OF WORK elements PS-1 Fuel fluctuations will always be concern and could effect range of pricing. CEDEP estimates could vary from current estimate of \$3.95/gallon used to \$4.50/gallon which is considered significant.	Likely	Significant	3	
EX-2	PIPELINE DREDGING	• Potential for market volatility impacting competition, pricing?	SAME AS EX-1	SAME AS EX-1	Likely	Significant	3	
EX-3	MECHANICAL DREDGING MOB DEMOB	• Political influences, lack of support, obstacles?	SAME AS EX-1	SAME AS EX-1	Likely	Significant	3	
EX-4	MECHANICAL DREDGING	• Unanticipated inflations in fuel, key materials?	SAME AS EX-1	SAME AS EX-1	Likely	Significant	3	
EX-5	GEOTEXTILE TUBE	• Unanticipated inflations in fuel, key materials?	SAME AS EX-1	SAME AS EX-1	Likely	Significant	3	
EX-6	NEW ODMDS APPROVALS	• Political influences, lack of support, obstacles?	SAME AS EX-1	SAME AS EX-1	Likely	Significant	3	
EX-7	Planning, Engineering, & Design	• Political influences, lack of support, obstacles?	Requirments for PED for O&M dredging are based on historical data and well defined costs; however, future requirements for environmental compliance and monitoring may increase.	Engineering and Design Requirements for Environmental compliance could possibly change and increase PED cost requirements.	Likely	Negligible	1	
EX-8	Construction Management	• Potential for severe adverse weather?	Requirments for Const Mgt for O&M dredging are based on historical data and well defined costs; however, future requirements for environmental compliance and monitoring may increase.	Construction management or monitoring of environmental compliance could possibly change and increase costs during construction. Much of full time construction observation is already addressed in cost estimate.	Likely	Negligible	1	