

## Independent Cost Estimate (ICE)

### INDEPENDENT COST ESTIMATE SUMMARY FORM

Project Name:	Algiers Ferry Barge Replacement Project
Project Number:	2023-MA-01
Date of Estimate:	9-2-2025
Description of Goods/Services:	Fabrication/construction and installation of two replacement ferry barges—one at Algiers Point and the other at Lower Algiers. These new barges will replace two aging, obsolete barges and will enable continuous quality ferry service at both locations.

- New Procurement  
 Contract Modification (Change Order – task order for on-call contract)  
 Exercise of Option

#### Method of Obtaining Estimate:

- Published Price List (attach source and date)  
 Historical Pricing (attach copy of documentation from previous PO/Contract)  
 Comparable Purchases by Other Agencies (attach email correspondence)  
 Engineering or Technical Estimate (attach)  
 Independent Third-Party Estimate (attach)  
 Other (specify) **\_\_\_typical market value of A&E contracts in relation to capital costs\_\_\_** attach documentation  
 Pre-established pricing resulting from competition (Contract Modification only)

*Attach additional documentation such as previous pricing, documentation, emails, internet screen shots, estimates on letterhead, etc.*

**Summary of Method:** The basis for the estimate is an Opinion of Probable Cost that was prepared by the Engineer of Record, Infinity Engineering Consultants, with substantial input from their naval architecture sub, TAI. The estimate was completed on July 10, 2025 based on the 100% construction documents and takes into account—to the best, most accurate degree possible—the impact of recent federal tariffs on imported materials. This Opinion of Probable Cost, which includes a 15% design contingency, comes to \$13,050,000 for the two barges.

Through the method(s) stated above, it has been determined the estimated total cost of the goods/services is \$13,050,000.

The preceding independent cost estimate was prepared by:

Rafe Rabalais, Director of Capital Projects

\_\_\_\_\_  
Name

A handwritten signature in cursive script, appearing to read 'Rafe Rabalais', is written over a horizontal line.

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Signature

**ALGIERS FERRY BARGES REPLACEMENT**  
**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**  
**100% DESIGN PHASE - CLASS 2 ESTIMATE (ACCURACY RANGE -15% TO +20%)**

<b>ALGIERS POINT</b>							
Area	Item No.	Cost Item	Quantity	UOM	Unit Price	Amount	Subtotals (7/10/2025)
Demo & Misc.	1.00	Disconnect utilities between barge and existing ramp	1	EA	\$ 2,000.00	\$ 2,000.00	
	1.01	Remove transition plate from existing ramp	1	EA	\$ 1,000.00	\$ 1,000.00	
	1.02	Remove utility lines to be replaced (sewer, water, fuel)	1	EA	\$ 5,000.00	\$ 5,000.00	
	1.03	Transport barge to Lower Algiers Landing	1	EA	\$ 20,000.00	\$ 20,000.00	
	1.04	Remove steel support shoes from existing ramp	1	EA	\$ 7,000.00	\$ 7,000.00	\$ 35,000.00
Barge Superstructure	2.00	Guardrail	380	LF	\$ 110.00	\$ 41,800.00	
	2.01	Steel Support Shoes w/UHMW Plate	5	EA	\$ 840.00	\$ 4,200.00	
	2.02	Prefabricated Operator's Shelter	1	EA	\$ 38,500.00	\$ 38,500.00	
	2.03	Prefabricated Operator's Shelter Shipping & Installation	1	EA	\$ 7,700.00	\$ 7,700.00	
	2.04	Roofing - 22 ga Tee Panel Standing Seam	2246.4	SF	\$ 12.00	\$ 26,956.80	
	2.05	Roofing Installation	2246.4	SF	\$ 14.00	\$ 31,449.60	
	2.06	Canopy Structure	32000	T	\$ 4.25	\$ 136,000.00	
	2.07	Ramps and Stairs Structure	24000	T	\$ 4.25	\$ 102,000.00	
	2.08	UHMW Plate, 1", 3'x30", material and installation	1	LS	\$ 8,640.00	\$ 8,640.00	
	2.09	Grating	950	SF	\$ 20.00	\$ 19,000.00	
	2.10	Grating Installation	950	SF	\$ 10.00	\$ 9,500.00	
	2.11	FRP Plate, non slip	30	sheets	\$ 320.00	\$ 9,600.00	
	2.12	FRP Shipping	1	LS	\$ 880.00	\$ 880.00	
	2.13	RFP Installation	30	sheets	\$ 160.00	\$ 4,800.00	
	2.14	Signage (wayfinding, illuminated signs, etc.)	1	LS	\$ 22,500.00	\$ 22,500.00	
	2.15	Boarding ramps w/counterweight system	3	EA	\$ 11,500.00	\$ 34,500.00	
2.16	Boarding ramps w/counterweight system installation	3	EA	\$ 2,875.00	\$ 8,625.00	\$ 506,651.40	
Barge Structure	3.00	Hull Structure	1	EA	\$ 851,256.13	\$ 851,256.13	
	3.01	Outfit & Furnishing	1	EA	\$ 98,047.83	\$ 98,047.83	
	3.02	Integration	1	EA	\$ 241,972.99	\$ 241,972.99	
	3.03	Assembly	1	EA	\$ 218,365.87	\$ 218,365.87	
	3.04	Engineering	1	EA	\$ 514,527.67	\$ 514,527.67	
	3.05	Construction Labor	1	EA	\$2,072,160.82	\$ 2,072,160.82	\$ 3,996,331.31
Barge Mechanical	4.00	Tank Air Vent, Fills, & Manifolds	1	EA	\$28,000.00	\$ 28,000.00	
	4.01	Ballast System	1	EA	\$150,000.00	\$ 150,000.00	
	4.02	Fire Extinguishers	1	EA	\$3,600.00	\$ 3,600.00	
	4.03	Bits	1	EA	\$13,500.00	\$ 13,500.00	
	4.04	Oily Water System	1	EA	\$5,000.00	\$ 5,000.00	
	4.05	Fresh Water	1	EA	\$10,000.00	\$ 10,000.00	
	4.06	Chocks	1	EA	\$6,000.00	\$ 6,000.00	
	4.07	Sewage System	1	EA	\$7,500.00	\$ 7,500.00	
	4.08	Construction Labor	1	EA	\$348,032.85	\$ 348,032.85	\$ 571,632.85
Barge Electrical	5.00	Ballast Pump Panel	1	EA	\$ 20,000.00	\$ 20,000.00	
	5.01	Sewage Pump Panel	1	EA	\$ 20,000.00	\$ 20,000.00	
	5.02	Power & Control Cables	1	EA	\$ 70,000.00	\$ 70,000.00	
	5.03	Cable Trays, Conduit, Ties, Straps	1	EA	\$ 35,000.00	\$ 35,000.00	
	5.04	Shore Power Connection Receptacle 3 PH,208 V,100A	1	EA	\$ 2,000.00	\$ 2,000.00	
	5.05	Shore Power Connection Receptacle 3 PH,208 V, 50A	1	EA	\$ 1,500.00	\$ 1,500.00	
	5.06	Main Power Distribution Board 208VAC,3PH,4W	1	EA	\$ 90,000.00	\$ 90,000.00	
	5.07	Disconnect Switch 600V 100A	2	EA	\$ 1,500.00	\$ 3,000.00	
	5.08	XFMR 75kVA 480:208/120V 3-Phase	1	EA	\$ 6,500.00	\$ 6,500.00	
	5.09	Lighting Contactor	1	EA	\$ 5,000.00	\$ 5,000.00	
	5.10	Lighting (Includes Poles)	1	EA	\$ 85,000.00	\$ 85,000.00	
	5.11	UPS w/Integral Lighting Panel	1	EA	\$ 30,000.00	\$ 30,000.00	
	5.12	200A Manual Transfer Switch	1	EA	\$ 12,000.00	\$ 12,000.00	
	5.13	Fire Alarm	1	EA	\$ 10,000.00	\$ 10,000.00	
	5.14	Security Camera System	1	EA	\$ 15,000.00	\$ 15,000.00	
5.15	Construction Labor	1	EA	\$ 100,000.00	\$ 100,000.00	\$ 505,000.00	
Mechanical	6.01	Diesel Tank - double wall 3000 gallon + accessories	1	ea	\$ 100,000.00	\$ 100,000.00	
	6.02	Diesel Dispenser Station	1	ea	\$ 10,000.00	\$ 10,000.00	
	6.03	Oily water line from levee to barge	1	ea	\$ 20,000.00	\$ 20,000.00	
	6.04	Diesel supply line from levee to barge	1	ea	\$ 25,000.00	\$ 25,000.00	
	6.05	Diesel supply line from tank to dispenser station	1	ea	\$ 10,000.00	\$ 10,000.00	
	6.06	HVAC - window unit, fresh air louver, exh fan for mechanical room	1	ea	\$ 10,000.00	\$ 10,000.00	
	6.07	Waterline from levee to barge	1	ea	\$ 10,000.00	\$ 10,000.00	
	6.08	Sewer Forced main connection from levee to barge	1	ea	\$ 15,000.00	\$ 15,000.00	
	6.09	Field verify sewer force main connects to city and leak test	1	ea	\$ 5,000.00	\$ 5,000.00	\$ 205,000.00
Contingency						15%	\$ 872,942.33
<b>ALGIERS POINT SUBTOTAL</b>							<b>\$ 6,700,000</b>

**ALGIERS FERRY BARGES REPLACEMENT**  
**ENGINEER'S OPINION OF PROBABLE CONSTRUCTION COST**  
**100% DESIGN PHASE - CLASS 2 ESTIMATE (ACCURACY RANGE -15% TO +20%)**

<b>LOWER ALGIERS</b>							
Area	Item No.	Cost Item	Quantity	UOM	Unit Price	Amount	Subtotals (7/10/2025)
Demo & Misc.	7.01	Temporarily Support Existing Ramp	1	EA	\$ 20,000.00	\$ 20,000.00	
	7.02	Disconnect utilities between barge and existing ramp	1	EA	\$ 2,000.00	\$ 2,000.00	
	7.03	Crane barge to temporarily support Maintenance Facility Ramp	1	Day	\$ 30,000.00	\$ 30,000.00	
	7.04	Transport existing barge to Middle Maintenance Landing	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 82,000.00
Barge Structure	8.00	Hull Structure	1	EA	\$ 829,209.01	\$ 829,209.01	
	8.01	Outfit & Furnishing	1	EA	\$ 147,496.86	\$ 147,496.86	
	8.02	Integration	1	EA	\$ 241,973.00	\$ 241,973.00	
	8.03	Assembly Support	1	EA	\$ 218,365.88	\$ 218,365.88	
	8.04	Engineering	1	EA	\$ 514,527.70	\$ 514,527.70	
	8.05	Construction Labor	1	EA	\$ 2,339,603.91	\$ 2,339,603.91	\$ 4,291,176.37
Barge Mechanical	9.00	Tank Air Vent, Fills, and Manifolds	1	EA	\$28,000.00	\$ 28,000.00	
	9.01	Ballast System	1	EA	\$150,000.00	\$ 150,000.00	
	9.02	Fire Extinguishers	1	EA	\$3,600.00	\$ 3,600.00	
	9.03	Ramp Hydraulic System	1	EA	\$13,500.00	\$ 13,500.00	
	9.04	Ramp	1	EA	\$6,000.00	\$ 6,000.00	
	9.05	Fuel System	1	EA	\$100,000.00	\$ 100,000.00	
	9.06	Fresh Water System	1	EA	\$75,000.00	\$ 75,000.00	
	9.07	Bits	1	EA	\$3,541.07	\$ 3,541.07	
	9.08	Chocks	1	EA	\$3,541.07	\$ 3,541.07	
	9.09	Construction Labor	1	EA	\$347,063.67	\$ 347,063.67	\$ 730,245.81
Barge Electrical	10.00	Ballast Pump Panel	1	EA	\$ 15,000.00	\$ 15,000.00	
	10.01	Power & Control Cables	1	EA	\$ 60,000.00	\$ 60,000.00	
	10.02	Cable Trays, Conduit, Ties, Straps	1	EA	\$ 25,000.00	\$ 25,000.00	
	10.03	Shore Power Connection Receptacle 3 PH,208 V,100A	1	EA	\$ 2,000.00	\$ 2,000.00	
	10.04	Shore Power Connection Receptacle 3 PH,208 V, 50A	1	EA	\$ 1,500.00	\$ 1,500.00	
	10.05	Main Power Distribution Board 208VAC,3PH,4W	1	EA	\$ 80,000.00	\$ 80,000.00	
	10.06	Disconnect Switch 600V 100A	2	EA	\$ 1,500.00	\$ 3,000.00	
	10.07	XFMR 75kVA 480:208/120V 3-Phase	1	EA	\$ 6,500.00	\$ 6,500.00	
	10.08	Lighting (Including Poles)	1	EA	\$ 38,000.00	\$ 38,000.00	
	10.09	UPS	1	EA	\$ 30,000.00	\$ 30,000.00	
	10.10	200A Manual Transfer Switch	1	EA	\$ 12,000.00	\$ 12,000.00	
	10.11	Fire Alarm	1	EA	\$ 8,000.00	\$ 8,000.00	
	10.12	Security Camera System	1	EA	\$ 9,000.00	\$ 9,000.00	
10.13	Construction Labor	1	EA	\$ 80,000.00	\$ 80,000.00	\$ 370,000.00	
Mch	11.00	Diesel supply line from levee to barge	1	ea	\$ 35,000.00	\$ 35,000.00	
	11.01	Waterline from levee to barge	1	ea	\$ 12,000.00	\$ 12,000.00	\$ 47,000.00
Contingency						15%	\$ 828,063.33
<b>LOWER ALGIERS SUBTOTAL</b>							<b>\$ 6,350,000</b>
<b>TOTAL 100% Opinion of Probable Construction Cost</b>							<b>\$ 13,050,000</b>