Alabama State Port Authority

Addendum to R&P or Specification Booklet ***11367 – Add #1***

Project Name Stacker Reclaimer 2 & 3 Procurement

Project No. 11367 **Task No.** 02 **Addendum No.** 1

To: Prospective Bidders **Date:** 6/20/2024

The following are confirmations of items clarified during the pre-bid meeting and responses to written clarification questions received. These items are hereby included in the bid documents by this addendum.

Item	Description
1.	Please find the Pre-Bid Meeting Attendance sign in sheet as attached. Summary of highlighted discussion points: 1. Project is for turnkey supply of two (2) stacker reclaimers to McDuffie Coal Terminal. a. Note for yard interface items such as boom cradle and end stops, the Vendor is responsible to provide full design to APA for APA to manufacture and install. 2. APA strongly prefers receipt of a fully compliant Base Bid from each bidder and is hopeful to also receive Bid Alternate from each that includes a detailed listing of all vendor recommended/proposed suggestions, clarifications and deviations of the Bid Alternate. a. Note the detailed list is NOT required to provide itemized cost impacts. b. The WORD version of the Technical Data Sheets is being emailed to all pre-bid meeting attendees. Please advise if not received by 6-21-24. 3. APA will demo and remove existing SR 2 & 3 prior to arrival of the new SR 2 & 3 to site on this project. 4. APA will replace the rail for SR2 with a new rail system prior to arrival of the new SR2 to site on this project. New rail installation/interface shall match existing. 5. APA will provide a clear assembly space in Yard 2 & 3 – but will not perform improvements to the yard area (just levelling of the designated area). 6. APA will perform any shutdown and disassembly/re-assembly of overhead conveyors as required to transport components to the yard assembly area(s). Vendor shall be specific in the proposal as to what conveyors require removal, the extent and the timeline duration. 7. APA is looking for best possible delivery schedules for these two SR. There is no required stagger between the units. Note – the schedule shall become the governing contract schedule (which then relates to LDs). Overall and on-site schedule timelines are both critical to APA. 8. Note that for base bid – the redundant drives are to be delivered and stored in APA warehouse – not be “in-place” on the SR. Also – the “spares” like this that are specifically listed in the specifications are to be part of the Base Bid and Bid Alternate – not part of the Recommended Spare Parts line item. 9. Note that a specific slew bearing is required (at least for base bid) – for purposes of commonality of spare parts – matches the recently assembled Krupp SR at McDuffie. 10. Minimum proposal contents are listed in the Invitation to Bid – Vendors are encouraged to provide whatever additional level of information that would permit APA to have the best possible understanding of the complete proposal offer and features.

2.	Question: Can the Port provide marine sounding reports for this area.  Answer: Please refer to the attached survey from June 2023 as attached – 23079-BARGE-LOADER-POST-DREDGE-6-6-23.pdf as the best available reference information.
3.	Question: Can elevation drawings with measurements be provided for the conveyors in this area  Answer: APA is reviewing this request and will provide response soon in future Addendum.
4.	Question: Can ASPA provide feedback on the minimum schedule milestones that they would like shown on the schedule Answer: The overall project schedule should include milestones for design, material and component procurement, fabrication/manufacturing, transportation and on-site assembly/commissioning for each SR. The on-site schedule must include overall presence at site (materials and personnel), period(s) for transport within McDuffie to get to the assembly area(s) in Yard 2 & 3, any proposed outages of existing yard conveyors, and commissioning timelines to Substantial Completion and Final Acceptance of each SR.
5.	Question: Confirming that demolition is and disposal of existing stackers is the responsibility of McDuffie Terminal. And not as stated in the below. **50-06 REMOVAL OF EXISTING STRUCTURES** All existing structures encountered within the established lines, grades, or grading sections shall be removed by the Contractor, unless such existing structures are otherwise specified to be relocated, adjusted up or down, salvaged, abandoned in place, reused in the work or to remain in place. The cost of removing such existing structures shall not be measured or paid for directly, but shall be included in the various Contract items. Answer: APA is responsible for the demolition and disposal of the existing stacker reclaimers 2 & 3.

6.	Question: McDuffie Stated that rails in Yard 2 will be replaced prior to installation of the new machine by others. Will this change any of the data provide in section 4.3 or 9.2 item 13 of Document Number 012030-D-MDC-GS Answer: The APA-provided replacement rail installation will be in accordance with the stated rail installation criteria as listed in sections 4.3 and 9.2.
7.	Question: The Invitation to Bid indicates that the work consists of design, supply, shipment (including offloading and site transportation) and testing of two (2) new Stacker Reclaimers. However, the General Specification, Section 3.1.1, defines the Scope of Work as Turn-Key supply of two (2) new travelling Bucketwheel Stacker Reclaimers. Please clarify if this project is intended to be turn-key with installation included or if our proposal should include design, supply and shipping with technical support for testing and actual installation by others. Answer: The supply of the two (2) stacker reclaimers is turn-key. The Invitation to Bid, page 1, second paragraph shall be updated and replaced with the following: "The work consists principally of providing bonds, design, labor, materials, equipment, and supervision necessary for, and incidental to, the design, supply, fabrication, assembly, painting, inspection, shipment (including offloading and site transportation), site erection/assembly/installation and testing of two (2) Stacker / Reclaimers, including tripper and related equipment, as shown in Owner drawings and specifications to be placed into service as turn-key supply at McDuffie Coal Terminal, Mobile, Alabama for the Alabama Port Authority."
8.	Question: The General Specification, Section 3.2.3, requires a tramp iron separator. Is this intended to operate in reclaim only or both stack and reclaim? Answer: Tramp iron separator shall operate in both stack and reclaim modes.
9.	Question: Structural Specification, Section 5.1.1, indicates "All other rolled shapes, plates and bars: require ASTM A568". A568 is for steel sheets less than 0.23. Please confirm if this should be a different specification such as A588.? Answer: A709-Grade 50, A572-Grade 50 and A588 shall be considered as APA-approved equals.
10.	Question: Mechanical Specification, Section 3.2, designates steel plate material requiring impact test to be A992 Grade 50. Typically, Specification A992 is for structural shape designations. Should this specification be for A572 Grade 50 plate? Is this requirement for all mechanical and structural items? (i.e. bucketwheel structure?, bases?, Etc.) Answer: A709-Grade 50, A572-Grade 50 and A588 shall be considered as APA-approved equals

11.	Question: Mechanical Specification, Section 4.3.7, requires thruster brakes to be fitted with "brake release", "override" and "pad worn". We have found the pad worn switches to be problematic and unreliable; please confirm that these switches are required for all brakes. Also, please clarify the intent of the override switches? Answer: Pad worn switches shall be provided for all brakes – however, each pad wear signal shall be individually input to the control system and be considered as warnings only – not stop or fault signals. For the override signal – this shall indicate that the manual override lever has been placed into the released position. Note: All limit switches on the stacker reclaimers shall have their own individual inputs to the control system to allow for corresponding unique identification and troubleshooting.
12.	Question: General Specification, Section 11.4.5, please provide complete details of the interface requirements for the owner's central PCS, Coal Routing System, Asset Center Server, Historian Server and Production Database Server so that we can ensure our offering will be compatible with these systems. Answer: The related interface requires data transfer/exchange only. Formatting details for the data shall be provided during the design phase of the project.
13.	Question: Please provide the design belt tension for each of the Stacking Conveyors 3A and 12A. Answer: Refer to belt tension values below for 3A and 12 A. **Conveyor 3A:** T_E = 22,046 lbf T_1 = 42,815 lbf T_2 = 20,769 lbf T_T = 22,000 lbf **Conveyor 12A:** T_E = 27,744 lbf T_1 = 38,286 lbf T_2 = 10,542 lbf T_T = 10,695 lbf

14.	Question: Specifications list Remote I/O as 1756 chassis based or 5094 Flex IO. We have found Flex IO modules to be problematic. Would 5069 CompactLogix or 1734 Point IO be acceptable alternatives? Answer: 5069 CompactLogix and 1734 Point IO shall be considered as APA approved equals.
15.	Question: The Technical Data Sheet and Reference Drawings include specific dimensions with respect to the luffing angles at +10° to -14.5°. Typically, the desired pile stacking height is the controlling parameter for boom luffing. We assume the desired pile height is 69'-9.7", as noted in the reference drawings. Is it the intent that the bidders match the specific luffing angles or instead that the bidders match the desired pile height with our own unique machine design? Answer: The Luffing angles listed in the specification are to be considered guidance values. Vendor shall advise the specific arrangement proposed that considers maximum angles of +/- 15 deg and the yard interface as identified in Section 15 and Drawing Q8075-00400404-002.
16.	Question: The General Specification, Section 5.1.5, defines a specific reducer for the travel drives. Can APA provide technical data for the specified reducer? Will APA accept an equal reducer for the travel drives? Answer: The component details provided in the specifications should be sufficient to identify the unit details. APA prefers the specified reducer as part of the Base Bid, recommended alternative is encouraged to be provided as part of the Bid Alternate.
17.	Question: During the pre-bid meeting it was mentioned that APA would dismantle conveyor structures in order for the contractor to move large pieces to the construction area. Does this mean APA will incur all costs associated with removal and re-installation of the conveyor structures and electrical cabling that runs along the structures? Which specific conveyor structures can be removed? Will there be a limit to the timeframe that the conveyors can remain out of service? Answer: APA will be responsible (incur all costs) for any required removal and re-installation works. APA is looking for the shortest possible outage – but general internal discussions to date have considered being out of service for approx 15 days. APA is looking for Vendor's best recommendation / options on which route(s)/conveyor(s) are affected. Possible conveyors to be removed/shut down are **14A and 14B** (to enter the west end of yard 2) and conveyors **12A/12B and 35** to get from northern area of yard 3 to yard 2. Based on current information APA least prefers 14A/14B to be removed.
18.	Question: Would the Port Authority be able to accept bank guarantees in the place of 100% performance bond and 100% labor/materials bond? Answer: APA is able to consider bank guarantees in lieu of the performance and labor/materials bonds – final determination is based on review of the proposed details by the selected bidder as/if applicable.

19.	Question: Regarding the bid bond payable to the Alabama Port Authority accompanying this bid, do you company accept PHYSICAL LETTER FORM issued from a Bank and we shall send it together with the bidding document. Answer: This project requires a certified check or Bid Bond (reference Division 1 page 10) payable to the Alabama Port Authority in the amount of USD$10,000 to be included in the submitted proposal package.
20.	Question: Gen Spec 11.1.6 "This machine is intended for a harsh-duty, industrial coal terminal environment. All materials and components must adhere to the Owner's standards and specifications. Enclosures must be NEMA 4X, constructed of 316 stainless steel. Other structural materials should typically be hot-dipped galvanized steel, aluminum, or stainless steel as specified. The Contractor is responsible for carefully reviewing specifications and supplying compliant materials. Non-compliant materials will be rejected and replaced at the Contractor's expense" Propose Q235 hot dipped galvanized cable tray, cable ladder and cable conduit. The structural support for electrical components will be Q235, painted, like mechanical structural. Answer: Base Bid is requested to meet specified criteria. Vendor is encouraged to provide recommended alternates as part of the Bid Alternate
21.	Question: G*en Spec 11.7.2 "*4160V primary transformers shall be high efficiency Cast Coil Dry Type with enclosure for outdoor mounting*."* Propose 4160V primary transformers shall be high efficiency Cast Coil Dry Type with enclosure for indoor mounting – as there is a room for transformer and switchgear Answer: Base Bid is requested to meet specified criteria. Vendor is encouraged to provide recommended alternates as part of the Bid Alternate
22.	Question: Gen Spec 11.13.2 "Electrical rooms: 500 lux (50 foot-candles)" Recommend electrical rooms 200 lux. Answer: Base Bid is requested to meet specified criteria. Vendor is encouraged to provide recommended alternates as part of the Bid Alternate
23.	Question: G*en Electrical Standards 10.1.1 "*In general, cable trays shall be aluminum, ladder type, sized and supported in compliance with applicable regulations and manufacturer recommendations for loading and percent fill*."* Propose cable tray and cable ladder will use Q235, hot dipped galvanized. Answer: Base Bid is requested to meet specified criteria. Vendor is encouraged to provide recommended alternates as part of the Bid Alternate

24.	Question: G*en Spec 4.1.1 "*Stacker/ Reclaimer Capacities: • Design peak stacking rate: 5,500tph • Peak reclaim rate: 5,500tph • Average free digging reclaim rate*: 5,000tph * Vendor shall provide associated calculations" Proposed Rated stacking (Nominal or Design rate) 5500 MT (metric tons)/hour Rated reclaiming (Nominal or Design rate) 5000 MT (metric tons)/hour Proposal is based on design reclaiming capacity of 5000MT, and guarantee that in one reclaiming cycle, the reclaiming capacity is larger than 5000MT. Average Rate (Reclaiming) 3750 MT (metric tons)/hour For reclaimer's, many different factors could cause the changes of the reclaiming capacity such as the shape of stockpile, the skill of operator, the time of gantry traveling, the time of changing the reclaiming layers, the time of changing stockpile and so on. With the design capacity of 5000MT, the average reclaiming capacity is 0.75 times of design capacity, and it shall be 0.75*5000=3750MT. Average Rate (Stacking) 5500MT, stacking materials are coming from yard conveyor system, guarantee that the average capacity of 5500T/H continuous rate of stacking for its equipment, however, how much stacking materials depends on the yard system. Peak Instantaneous Rate (Stacking) 6600 MT (metric tons)/hour Peak Instantaneous Rate (Reclaiming) 6000 MT (metric tons)/hour Peak instantaneous Rate of reclaiming depends on the supplier of designer, it is normally 1.2 times of design capacity of 5000t/h, and it is continuous 10s. Proposed guarantee that the peak stacking capacity of 6600MT for 10s. (Refer to FEM and CEMA about the description of design and peak capacity.) Answer: Specifications provide sufficient details on the calculation assumptions/criteria for confirming design capacities. There is no change to the capacities as specified. Vendor shall provide supporting calculations for capacities of both the base and alternate proposals as applicable.
25.	Question: G*en Spec 4.7.2, 4.7.3 "*Boom Conveyor Drive: 1 drive per pulley, capable starting under full load, with full spare (VFD, electric motor, gearbox, high speed, and low speed coupling) provided to be placed in storage. Elevator Conveyor Drive: 1 drive per pulley, each one capable of starting under full load, with full spare (VFD, electric motor, gearbox, high speed, and low speed coupling) provided to be placed in storage." Will the drive be mounted on the machine? Answer: Spare drive shall be provided and placed in storage.

26.	Question: G*en Spec 4.7.4 "*Hydraulic Luffing Option: Luffing HPU shall be powered by a single, easily replaceable motor-powered pumping unit (electric motor, flexible shaft coupling, c-faced adapter, and hydraulic pump) with spare motor-pump unit in storage." Will the spare motor-pump unit installed in the powerpack? Answer: Spare motor-pump unit shall be provided and placed in storage.
27.	Question: Gen Spec 5.1.4 "Slew bearing shall match or be interchangeable with existing APA McDuffie slew bearing SHENGSTENBERGER/ROTEK #121.36.5001.001.41.1532." Please provide the detail information about the slewing bearing, style book or detail drawings. Answer: The bearing part number should be sufficient to determine bearing details.
28.	Question: Gen Spec 5.1.5 "Travel drives shall incorporate the following components: • Brakes: ▪ Hindon ▪ Type: TE 200/30/5 • Reducers ▪ Size: SM7040R4A-LRH-112 ▪ Serial: 406086 Please provide the detail information about the brake and reducer, style book or detail drawings. Answer: The component details provided in the specifications should be sufficient to identify the unit details.
29.	Question: G*en Spec 6.3.3 "*A rotating / slewing structure mounted on the gantry / undercarriage structure. The slewing angle of the rotating structure from both sides of the yard conveyor centerline is to be at least: ○ 110 deg (with Tripper Car attached) ○ 170 deg (with Tripper Car retracted) For the arrangement, propose to change the slewing angle as follows: o ±100 deg (with Tripper Car attached) o ±165 deg (with Tripper Car retracted) Answer: Note : Reference Drawing Q8075-00400404-003 indicates 165 deg for reclaiming mode The slewing angles listed in the specification are to be considered guidance values. Vendor shall advise the specific arrangement proposed that considers minimum angles of 100 deg and 165 deg and the yard interface as identified on Drawing Q8075-00400404-002.

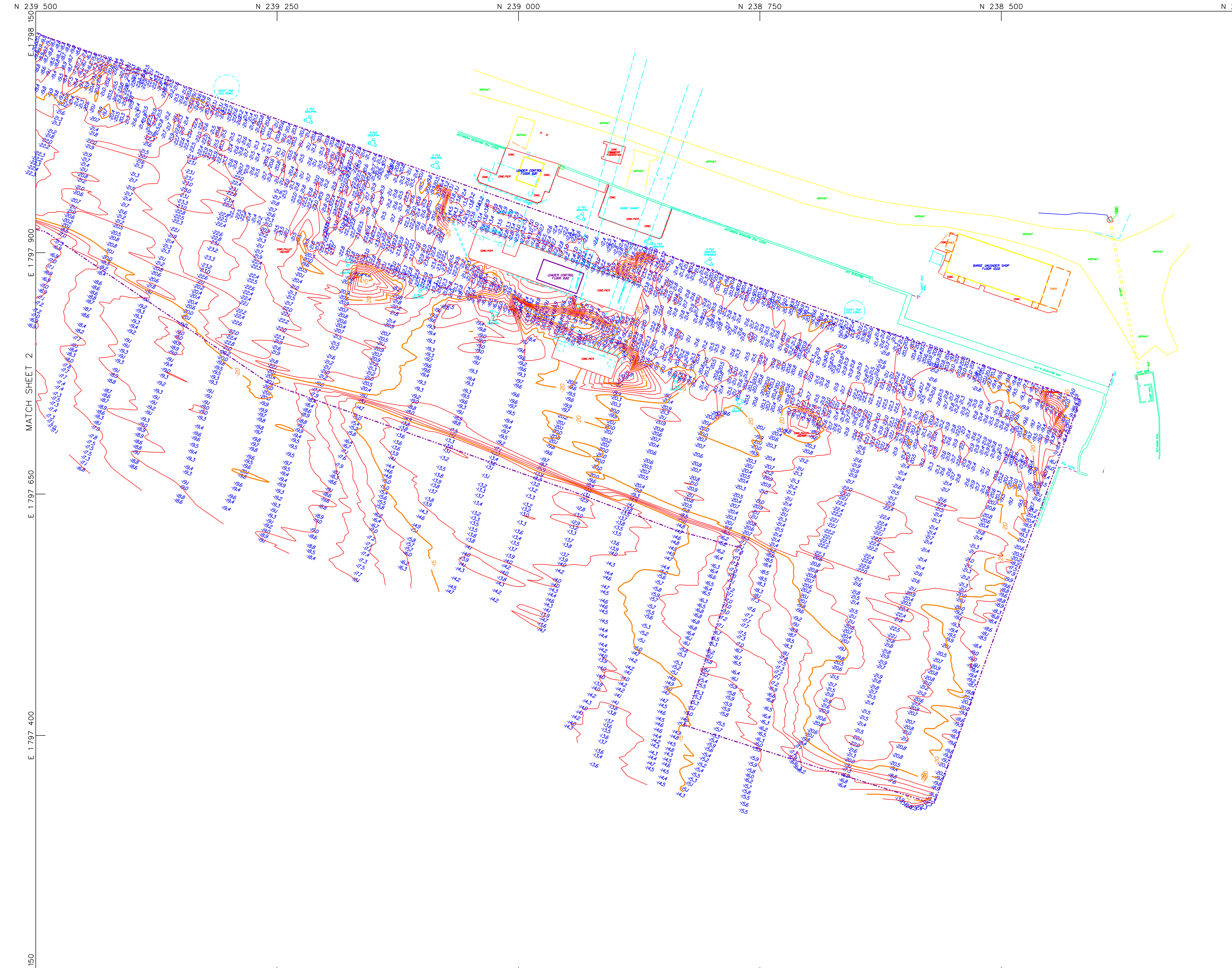
30.	Question: Will a single non-compliant alternate bid be evaluated by ASPA? Answer: APA strongly prefers a fully compliant base bid as well as the Bid Alternate with vendor recommendations/deviation list … however, all bids will be evaluated based on the proposal scoring criteria.
31.	Question: Is the Word version of the data sheet available? Answer: Please refer to the WORD version attached.
32.	Question: General specification item 3.2.2 states that Owner will provide a list of contractors for concrete counterweights. Is this available? Answer: Initial list of local contractors - 4S, RJ Baggett, G A West, Ben Radcliff Contractors
33.	Item: Proposal selection / ranking criteria to be updated to include Technical design compliance. Answer: Instructions to Bidders, Paragraph 3.0 shall be updated and replaced by the following: **"3.0 SELECTION / RANKING CRITERIA** APA will review the bid package documents/information received and score each bid proposal based on the below evaluation criteria / weighting system: ***60 Points*** - Price ***50 Points*** – Level of Compliance of Proposed Technical Design – which includes APA determination of whether the proposed alternates are equal/superior to project specifications and contract documents. ***20 Points*** - Design Expertise and related project resumes of proposed engineering project team ***20 Points*** - Similar project history / experience / capabilities for proposed SR Fabrication and Manufacturing facility(s) ***15 Points*** - Proximity of Proposed Engineering Project Team to Mobile Alabama ***15 Points*** - Proximity of Proposed SR Fabrication/Manufacturing Location to Mobile Alabama ***15 Points*** - Proximity of Proposed After Sales Support Network to Mobile Alabama ***15 Points*** - Proposed response time and demonstrated historical performance of the proposed After Sales Support Network ***20 Points*** - Efficiency of Proposed Total Project Schedule ***20 Points*** - Efficiency of Proposed On-Site Phase of Project Schedule **Total Points – 250** ASPA may elect to issue clarification questions and/or conduct short list meeting(s) to/with the higher ranked Bidder(s) prior to final completion the ranking process. Upon identification of the highest ranked Bidder, a Notification of Intent to Award will be issued by APA to initiate execution of the contract. Failure to arrive at an executed contract with such Bidder would result in rejection of the Bidder and commencement of contract discussion with the next highest ranked Bidder."

34.	Item: Confirm Vendor scope of supply related to SR interface components Answer: Refer to Gen Spec 3.4.6 "Vendor to provide design calculations and fabrication drawings for boom cradle, stowage point sockets and rail end stops for installation by APA McDuffie." This scope definition is correct. For clarity, Gen Spec 3.2.1 third bullet shall be updated and replaced by the following: "Interface, design (drawings and calculations) required for the execution by APA of manufacturing and civil works to install boom stand, stowage pin sockets, and end stops."

Please indicate your receipt of this addendum by adding the addendum number in the appropriate place in your Requisition & Proposal or Specification Book.

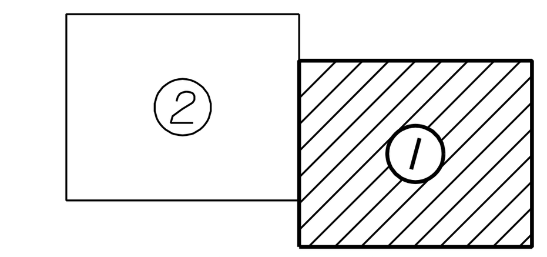
_____

Marcus Coleman, P.E. **Date**
Project Manager



LEGEND

CURB LINES	WATER VALVE	PARCEL BOUNDARY
BURIED TELEPHONE	TELEPHONE BOX	ADJOINING PROPERT
OVERHEAD LINES	UNKNOWN ELECTRICAL	SECTION LINE
FIBER OPTIC CABLE	STREET LIGHTS	SET BACK LINES
SANITARY SEWER	POLES	EASEMENTS
WATER MAINS	GUY ANCHORS	SPOT ELEVATIONS 21.5
RAILROAD	TRANSFORMERS	INDEX CONTOURS
FENCES	ACCENT LIGHTS	CONTOURS
BUILDINGS	SHORELINES	TEMPORARY CONTROL POINT
CULVERTS	SIGNS	MONUMENTS
CATCH BASINS	DECIDUOUS TREES	IRON PINS & PIPES AS NOTED
MAN HOLES	GATE VALVE	RCP=REINFORCED CONCRETE PIPE
FIRE HYDRANT	HVAC UNIT	CRS=LAWLER 1/2" CAPPED REBAR SET
WATER METER	PIPE STUB	CTIF=CRIMP TOP IRON PIPE FOUND
GAS METER	SANITARY CLEAN OUT	REC=DEED RECORD DIMENSION
FIBER OPTIC CABLE	R/W=RIGHT OF WAY	ACT=ACTUAL FIELD MEASUREMENT
CABLE TV BOX	CMP=CORRUGATED METAL PIPE	CRF=CAPPED REBAR FOUND
ROOF DRAIN	CONC.=CONCRETE	IRF=IRON ROD (REBAR) FOUND
HANDICAP PARKING	A/C=CENTRAL HVAC UNIT	XF=SCRIBED X FOUND IN CONCRETE
PALM TREES	SEC.=GOVERNMENTAL SECTION	CMF=CONCRETE MONUMENT FOUND



SHEET INDEX

MATERIAL QUANTITIES:
BASED ON HYDROGRAPHIC SURVEYS DATED 5-23-23 AND 6-6-23, THE FOLLOWING QUANTITIES ARE REFLECTED. QUANTITIES SHOWN AS "IN PLACE" CUBIC YARDS WITH NO SIDE SLOPES.

TARGET ELEVATION -19.0: 41684 CUBIC YARDS
TARGET ELEVATION -20.0: 53833 CUBIC YARDS

TOTAL MATERIAL REMAINING ABOVE ELEVATION -19.0: 8091 CUBIC YARDS
TOTAL MATERIAL REMAINING ABOVE ELEVATION -20.0: 12195 CUBIC YARDS
TOTAL GROSS MATERIAL REMOVED: 52764 CUBIC YARDS

GENERAL NOTES:
250 FOOT GRID BASED ON ALABAMA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83
ONE FOOT CONTOUR INTERVAL BASED ON MLLW, 1929 REFERENCING
TO CONVERT MLLW TO NGVD SUBTRACT 0.51 FEET FROM MLLW
TOPOGRAPHIC DATA TAKEN FROM PREVIOUS DRAWINGS BY THIS FIRM.
HYDROGRAPHIC DATA COLLECTED WITH DIFFERENTIAL GPS BASED AUTOMATED SYSTEM
MODELING AND CONTOURING ACCOMPLISHED WITH INROADS INSIDE MICROSTATION
ECHOSOUNDER CALLIBRATED ACCORDING TO USCOE PROCEDURES AND PRODUCED A SPEED OF SOUND CORRECTION OF 4940 MILLISECONDS.
FIELD SURVEY COMPLETED ON 06 JUNE, 2023
FILE: \ASPA\MCDUFFIE\ 23079-GARROWS-BARGE-LOADER-POST-DREDGE-6-6-23.GN

CERTIFICATION:
I, W. J. LAWLER, III, A REGISTERED LAND SURVEYOR IN THE STATE OF ALABAMA HEREBY CERTIFY THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

THIS THE 14TH DAY OF JUNE, 2023

W. J. LAWLER, III PLS 17513

N

30 0 30 60 90
SCALE IN FEET

REVISIONS

ALABAMA REGISTERED No. 17513 PROFESSIONAL LAND SURVEYOR W. J. LAWLER III
NOT VALID WITHOUT ORIGINAL RAISED SEAL

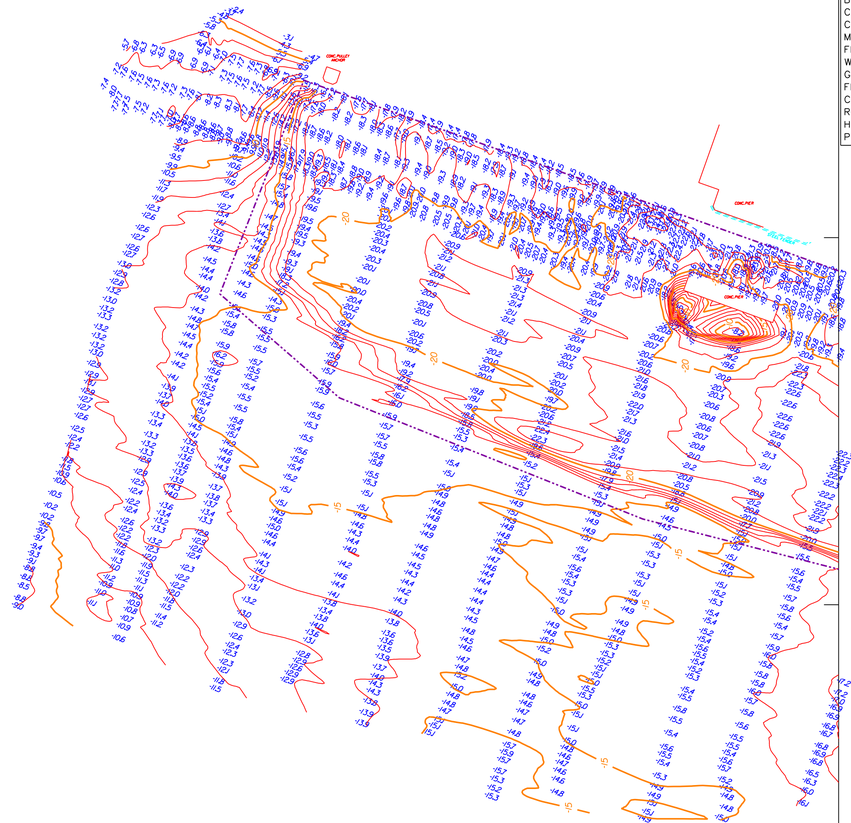
LAWLER AND COMPANY
LAND AND INDUSTRIAL SURVEYORS
2879 CLAUDIA LANE
THEODORE, ALABAMA 36590
(251) 661-9411 FAX (251) 661-9177

ALABAMA STATE PORT AUTHORITY
POST-DREDGE HYDROGRAPHIC SURVEY OF GARROWS BEND BARGE LOADERS

REF:	ASPA--WESLEY JACKSON		
DATE: 15 JUNE., 2023	SCALE: 1"=50'	SHEET 01 OF 02	
PROJ. NO.	23-079	DWG. No.	23-0079-2

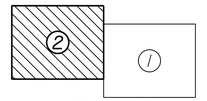
N 240 750 | N 240 500 | N 240 250 | N 240 000 | N 239 750 | N 239 500

E 1 798 400 | E 1 798 150 | E 1 797 900 | E 1 797 650 | E 1 797 400



LEGEND

CURB LINES	WATER VALVE	PARCEL BOUNDARY	
BURIED TELEPHONE —T—T—	TELEPHONE BOX	ADJOINING PROPERT	
OVERHEAD LINES —ONE—ONE—	UNKNOWN ELECTRICAL	SECTION LINE	
FIBER OPTIC CABLE—FOC—FOC—	STREET LIGHTS	SET BACK LINES	
SANITARY SEWER—SS—SS—	POLES	EASEMENTS	
WATER MAINS —W—W—	GUY ANCHORS	SPOT ELEVATIONS	21.5
RAILROAD	TRANSFORMERS	INDEX CONTOURS	10
FENCES —x—x—	ACCENT LIGHTS	CONTOURS	
BUILDINGS	SHORELINES	TEMPORARY CONTROL POINT	
CULVERTS	SIGNS	MONUMENTS	
CATCH BASINS	DECIDUOUS TREES	IRON PINS & PIPES AS NOTED	
MAN HOLES	GATE VALVE	RCP=REINFORCED CONCRETE PIPE	
FIRE HYDRANT	HVAC UNIT	CRS=LAWLER ½" CAPPED REBAR SET	
WATER METER	PIPE STUB	CTIF=CRIMP TOP IRON PIPE FOUND	
GAS METER	SANITARY CLEAN OUT	REC=DEED RECORD DIMENSION	
FIBER OPTIC CABLE	R/W=RIGHT OF WAY	ACT=ACTUAL FIELD MEASUREMENT	
CABLE TV BOX	CMP=CORRUGATED METAL PIPE	CRF=CAPPED REBAR FOUND	
ROOF DRAIN	CONC.=CONCRETE	IRF=IRON ROD (REBAR) FOUND	
HANDICAP PARKING	A/C=CENTRAL HVAC UNIT	XF=SCRIBED X FOUND IN CONCRETE	
PALM TREES	SEC.=GOVERNMENTAL SECTION	CMF=CONCRETE MONUMENT FOUND	



SHEET INDEX

MATERIAL QUANTITIES.
BASED ON HYDROGRAPHIC SURVEYS DATED 5-23-23 AND 6-6-23, THE FOLLOWING QUANTITIES ARE REFLECTED. QUANTITIES SHOWN AS "IN PLACE" CUBIC YARDS WITH NO SIDE SLOPES.

TARGET ELEVATION -19.0: 41684 CUBIC YARDS
TARGET ELEVATION -20.0: 53833 CUBIC YARDS

TOTAL MATERIAL REMAINING ABOVE ELEVATION -19.0: 8091 CUBIC YARDS
TOTAL MATERIAL REMAINING ABOVE ELEVATION -20.0: 12195 CUBIC YARDS
TOTAL GROSS MATERIAL REMOVED: 52764 CUBIC YARDS

GENERAL NOTES.
250 FOOT GRID BASED ON ALABAMA STATE PLANE COORDINATE SYSTEM, WEST ZONE, NAD 83
ONE FOOT CONTOUR INTERVAL BASED ON MLLW, 1929 REFERENCING
TO CONVERT MLLW TO NGVD SUBTRACT 0.51 FEET FROM MLLW
TOPOGRAPHIC DATA TAKEN FROM PREVIOUS DRAWINGS BY THIS FIRM.
HYDROGRAPHIC DATA COLLECTED WITH DIFFERENTIAL GPS BASED AUTOMATED SYSTEM
MODELING AND CONTOURING ACCOMPLISHED WITH INROADS INSIDE MICROSTATION
ECHOSOUNDER CALLIBRATED ACCORDING TO USCOE PROCEDURES AND PRODUCED
A SPEED OF SOUND CORRECTION OF 4940 MILLISECONDS.
FIELD SURVEY COMPLETED ON 06 JUNE, 2023
FILE: \ASPA\MCDUFFIE\ 23079-GARROWS-BARGE-LOADER-POST-DREDGE-6-6-23.GN

CERTIFICATION.
I, W. J. LAWLER, III, A REGISTERED LAND SURVEYOR IN THE STATE OF ALABAMA HEREBY CERTIFY THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

THIS THE 14TH DAY OF JUNE, 2023

W. J. LAWLER, III PLS 17513

N

30 0 30 60 90

SCALE IN FEET

REVISIONS

ALABAMA STATE PORT AUTHORITY
POST-DREDGE HYDROGRAPHIC SURVEY OF GARROWS BEND BARGE LOADERS

REF:	ASPA--WESLEY JACKSON		
DATE: 15 JUNE., 2023	SCALE: 1"=50'	SHEET 02 OF 02	
PROJ. NO. 23-079		DWG. No. 23-0079-2	

ALABAMA REGISTERED No. 17513 PROFESSIONAL LAND SURVEYOR W. J. LAWLER III
NOT VALID WITHOUT ORIGINAL RAISED SEAL

LAWLER AND COMPANY
LAND AND INDUSTRIAL SURVEYORS
2879 CLAUDIA LANE
THEODORE, ALABAMA 36590
(251) 661-9411 FAX (251) 661-9177

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Bedeschi America	2600 N Military Trail	Suite 245	Boca Raton, FL 33431
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Kyle Campbell	Kcampbell@bedeschiamerica.com	954 397 8278	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
City Electric Supply	1254 35th Ave SW		Vero Beach FL
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Brian Smith	Brian.Smith@cityelectricsupply.com	772-370-0580	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
RJB	759 Holcombe Ave		Mobile, AL
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Joey Dicks	joey@rjbriggett.com	251-473-3290	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
HEYL & PATTERSON	701 TECHNOLOGY DR	SUITE 100	CANONSBURG, PA 15317

Contact Name	e-mail address	Telephone	Telephone
BRIAN STEFFAN	BSTEFFAN@HALLINDUSTRIES.COM	412-944-9554	

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
North Alabama Fabricating Co.	2101 Old Columbiana Rd.	Suite 400	Birmingham, AL 35216

Contact Name	e-mail address	Telephone	Telephone
Wayne Akins	wakins@Nafcofab.com	913-645-7991*	205-591-5554 Alt.

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
AUMUND CORP	250 CHASTAIN RD		KENNESAW GA 30144
Contact Name	**e-mail address**	**Telephone**	**Telephone**
SIMON SHIPP	shipp@aumundusa.com	816 820 4461	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Entech Products (Aumund)			Milton, FL
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Don Harris	dharris@entechproducts.com	850 982 9401	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
ASPA			
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Matt Thomas	matthew.thomas@alports.com	251-441-7242	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
RICHMOND ENGINEERING	1601 PARKWAY VIEW DR.		PITTSBURGH, PA 15205
Contact Name	**e-mail address**	**Telephone**	**Telephone**
KEVIN SEMINSKY	KSEMINSKY@RICHMONDENGINEERING.COM	412-787-9640	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
RICHMOND ENG			PITTSBURGH, PA
Contact Name	**e-mail address**	**Telephone**	**Telephone**
KIM SHERRETTS	ksherretts@richmondengineering.com		412-787-9640
Signature	**Signature**	**Signature**	**Signature**
Kimberly Sherretts			

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Richmond Engineering Works	1601 Parkway View		Pittsburgh PA 15205
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Cody Zimmerman	czimmerman@richmondengineering.com	412-787-9640	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Richmond Engineering Works	1601 Parkway View		Pittsburg PA 15205
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Josh Farar	JFarar@RichmondEngineering.com	918 896 1440	
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Orion Engineers + Constructors	3515 Hurricane Bay Dr.		Theodore, AL 36582

Contact Name	e-mail address	Telephone	Telephone
Seth Badeaux	Seth.Badeaux@orion-eng.com	251-443-5055	225-625-4111

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
PCL	1 N. DALE MABRY HWY	SUITE 300	TAMPA, FL 33609

Contact Name	e-mail address	Telephone	Telephone
RYAN SULLIVAN	RSULLIVAN@PCL.COM	919-714-3811	

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Agrico Sales	14900 Intracoastal Dr		New Orleans, LA 70129
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Frank Kelly	fkelly@agricosales.com	5044369400	cell/504 289 0116
Signature	**Signature**	**Signature**	**Signature**
Frank Kelly			

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Myer Companies	744 Blackburn Drive Mobile 36608		Mobile, AL 36608
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Brandon Myer	brandon@myercompanies.com	251-633-6937	251-895-1614
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Contact Name	**e-mail address**	**Telephone**	**Telephone**
Signature	**Signature**	**Signature**	**Signature**

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
ZPMC	4810 Belmar Blvd Unit 203		Wall Township, NJ 07753

Contact Name	e-mail address	Telephone	Telephone
John Palmer	johnpalmer@zpmc.us	732-614-5531	N/A

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
CCC Group	5797 Dietrich Road		San Antonio, TX 78219

Contact Name	e-mail address	Telephone	Telephone
AL Smith	ALS@cccgroupinc.com	210-540-2189	

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Gulf Electric	Mobile Halls mill Rd.		

Contact Name	e-mail address	Telephone	Telephone
Chris M Phillips	CPhillips@gulfelec.com	251-666-0654	251-331-0004

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
GA West	1965 Celesterd		Gredla AL

Contact Name	e-mail address	Telephone	Telephone
Thomas Mathews	thomas.mathews@gawest.com	251-329-9985	

Signature	Signature	Signature	Signature

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement **Project #** 11367 **Task#** 02

Date: 06.11.2024

Contractor (Business) Name	Address 1	Address 2	City, State Zip
EMS-TECH INC.	699 DUNDAS ST. W		BELLEVILLE, ON K8N 4Z2

Contact Name	e-mail address	Telephone	Telephone
ROBERT MAYBEE	bob.maybee@ems-tech.net	613.966.6611	613-848-0023

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip
EMS-TECH INC	699 Dundas St W		Belleville ON K8N4Z2

Contact Name	e-mail address	Telephone	Telephone
George Leverton	george.leverton@ems-tech.net	6139666611	6138481877

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Alabama State Port Authority

Pre-Bid Meeting Attendance Sheet

Project Name Stacker Reclaimer 2 & 3 Procurement
Date: 06.11.2024

Project # 11367 **Task#** 02

Contractor (Business) Name	Address 1	Address 2	City, State Zip
Alpine Bulk Materials Handling	102-19028 27th AVE		Surrey, BC CANADA V3Z 5T1

Contact Name	e-mail address	Telephone	Telephone
Milan Sjaus	milan.sjaus@alpinebulk.com	6046577283	

Signature	Signature	Signature	Signature
M Sjaus			

Contractor (Business) Name	Address 1	Address 2	City, State Zip
TAKRAF USA	5435 Ulster	Suite 900	Denver CO 80237

Contact Name	e-mail address	Telephone	Telephone
Steve Hart	Steve.Hart@takraf.com	303	

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature

Contractor (Business) Name	Address 1	Address 2	City, State Zip

Contact Name	e-mail address	Telephone	Telephone

Signature	Signature	Signature	Signature