

Appendix A - Technical Specifications
Crane, Rigging, and Heavy Hauling Services

1 SCOPE OF WORK:

Crane, Rigging, and Heavy Hauling Services as required by various JEA Departments within JEA's service territory.

2 BACKGROUND:

The purpose of this specification is to provide contract services for crane rental and heavy hauling services. Although the primary users of these services are the Transmission Group, Substation Group, Distribution Group, Water and Sewer Department, and the various JEA Generating Plants, this contract can also be used by any other Group or Department within JEA.

JEA expects to use contractors on a Time and Materials basis for most of the work, however, for specific work scopes, JEA may request a Lump Sum price from the Contractor to perform work on a project specific basis.

3 GENERAL INFORMATION & REQUIREMENTS

- 3.1 Normally, JEA will provide written or verbal notice twenty-four (24) hours prior to requiring the Contractor's services. For jobs using equipment larger than a 125-ton capacity crane and requiring large equipment moves, the notice will normally be forty-eight (48) hours prior to requiring the Contractor services.
- 3.2 In an emergency (not during normal work hours 7:00 AM – 4:00 PM) as determined by JEA, the Contractor shall be required to deliver any or all of the aforementioned equipment and/or personnel to the job site within four (4) hours after verbal authorization from JEA. For an Emergency Callout the Company will be allowed a one-time fee per event. Company shall NOT be allowed to charge a Callout fee if mobilized by JEA during normal working hours.
- 3.3 The Contractor shall maintain one (1) emergency point of contact, 24 hours a day/7-days a week. The emergency point of contact shall be accessible by cell phone.
- 3.4 The size and required pieces of the equipment and all accessories including blocking, slings and cribbing necessary to perform a requested operation, shall be determined by the Contractor. JEA will reserve the right to request an increase in the size of equipment and manpower.
- 3.5 If at any time the Contractor does not have the equipment requested by JEA available, it will be the responsibility of the Contractor to furnish the equipment from other sources available to the Contractor, subjected to approval by JEA. The cost of the substitute equipment shall be the quoted price of the originally specified equipment as stated in the contract.
- 3.6 Equipment requested by JEA shall pass all inspections and requirements as specified by the State of Florida and the U.S. Department of Labor and Bureau of Standards.
- 3.7 All permits shall be obtained by the Contractor and furnished, upon request, to JEA. The Contractor may charge a service fee for this service (see Bid Item No. 22 in the Bid Form.).
- 3.8 All rigging of equipment or material to be moved, unloaded, or erected will be inspected by JEA personnel.
- 3.9 JEA gives no guarantees of minimum contract usage during the period of the contract.
- 3.10 Vendor must have an equipment staging area in Duval County.

4 TYPICAL LOADING AND HAULING REQUIREMENTS

Typical loading, hauling and erection requirements will include, but not to be limited to the following:

- 4.1 Large power transformers, typically 12' to 15' from base to top of highest non-removable item weighing approximately sixty (60) tons. Transformer accessories, including high voltage bushings and radiator banks, will also be included with such a shipment.
- 4.2 Large power circuit breakers with bushings mounted, extending to total heights of 10' to 15' and weighing more than ten (10) tons.
- 4.3 Steel and/or concrete transmission line poles of varying heights. Taller steel poles will be shipped in sections. Currently, standard JEA 230kV spun concrete transmission poles are 125' in height and weigh approximately 70,000 lbs.
- 4.4 Power transformers weighing more than one hundred (100) tons that would require special hauling

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equipment to facilitate meeting weight restrictions imposed by permit requirements.

- 4.5 Power transformers with heights that may require special hauling equipment to travel under low overpasses.

5 AVAILABLE PERSONNEL AND EQUIPMENT

The following is a list of equipment and personnel that the Contractor shall have access to meet the possible equipment rental requirements as set forth in these specifications and under a contract with JEA.

- 5.1 One truck tractor - single axle
- 5.2 One truck tractor - double axle or tandem
- 5.3 One lowboy capable of hauling loads up to 75 tons and driver
- 5.4 One lowboy capable of hauling loads up to 110 tons and driver
- 5.5 One beam dolly system capable of hauling loads up to 200 tons and driver
- 5.6 One crane capable of handling 170 tons, with operator and/or driver, where applicable
- 5.7 One crane capable of handling 125 tons, with operator and/or driver, where applicable
- 5.8 One crane capable of handling 70 tons, with operator and/or driver, where applicable
- 5.9 One crane capable of handling 40 tons, with operator and/or driver, where applicable
- 5.10 One crane capable of handling 30 tons, with operator and/or driver, where applicable
- 5.11 One crane capable of handling 15 tons, with operator and/or driver, where applicable
- 5.12 One forklift capable of handling 8,000 pounds, with operator and/or driver, where applicable
- 5.13 Three Foreman
- 5.14 Twelve Riggers
- 5.15 The Contractor must have access to the 100 ton or less equipment within an eight-hour access period from JEA's notice.

6 Minimum Callout

- 6.1 Where a Minimum Callout is listed, the company will be paid this minimum amount for any duration length job that JEA requests for the listed service. When the actual job duration is less than Minimum Callout, the one-time Mob/Demob Allotment shall be included in this minimum Callout time,
- 6.2 Example: JEA calls out a 125-ton crane with rigging for the next day to be on a job at 8:00 AM and the crane crew leaves their yard at 6:00 AM to arrive and be on the job ready to start at 8:00 AM and complete the work at 11:00 AM. The crew and crane arrive back at their yard at 1:00 PM. The company will be paid the 8-hour min, per the Bid Workbook, even though three (3) hours were actual on the job work time and four (4) hours for the Mob/Demob Allotment.

In the same example above, if the Crane was onsite for 8 hours, JEA will pay the 2-hour travel allotment before and after the job.

7 Mobilization Allotment

Where a Mobilization Allotment is listed, the amount of Mobilization Allotment hours listed will count toward the Minimum Callout until the time in hours for the Minimum Callout is reached. The listed Mobilization Allotment is on a Per Job (Callout) basis. The Mobilization Allotment is the number of hours listed times the straight time rate for that service. In no event will the Mob/Demob allotment be paid more than one time per Callout or Job.

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8 WORKING HOURS

- 8.1 Regular Time - Is defined as the first 8 hours in a 24hour period.
- 8.2 Overtime - Is defined as that time worked more than 8 hours in 24 hours.

9 BILLING

- 9.1 The time that can be charged to the JEA by the Contractor is limited to the actual time on the job, plus a travel (mobilization/demobilization) allotment. When the time on the job does not meet the minimum callout time listed in the Bid Workbook, the travel allotment will be included in the minimum callout time.

Example:

Description	Hourly Rate	Minimum Callout	Mobilization/Demob allotment (per Job)
40-ton Crane, including operator/driver	\$50.00	4 hours	2 hours

JEA requests a 40-ton crane operator, the operator is on the job for 2 actual working hours, there is a 2-hour Mob/Demob allotment. The Company in this example will be paid for 4 hours, due to the minimum Callout.

JEA requests a 40-ton crane operator, the operator is on the job for 4 actual working hours, there is a 2-hour Mob/Demob Allotment. The Company in this example will be paid for 6 hours straight time which consists of 4 hours minimum Callout and 2-hour Mob/Demob allotment.

10 MATERIALS

- 10.1 The Contractor is responsible for providing all materials needed such as wood, slings, etc., for the execution of this contract. This includes temporary structures made for removing and installing equipment as directed by JEA.
- 10.2 The Contractor is responsible for providing all materials needed to secure transformers or other equipment to trailers during shipping. Labor shall be paid at rigger rates as per the Bid Form, Bid Item No. 1.

11 Site Restoration

- 11.1 When the work involves the operation of heavy equipment on or around grassed or rocked areas, streets, sidewalks, and other paved areas, it shall be the responsibility of the Contractor to restore such areas to their original sound conditions using construction techniques and materials which are the same as those existing.

12 DOT REQUIREMENTS

- 12.1 All hauling shall be done in accordance with current Department of Transportation (DOT) standards and requirements.
- 12.2 Use of Police and/or DOT Escort - If the conditions are such that the DOT requires that police and/or DOT escort are/is needed, it shall be the responsibility of the Contractor to hire the services of the Police Department and/or the DOT and to make all the necessary coordination, including signing all the legal documents involved in the process. The cost of this service, if any, shall be calculated using the "cost plus method". That is, the actual billing cost from the Police Department and/or DOT to the Contractor plus a percentage increase of that cost as remuneration for the Contractor services. The Contractor shall state the percentage increase in the Bid Form, Bid Item No. 23.
- 12.3 Use of Flagman/Flagmen - If, while hauling any JEA equipment, the route taken goes over a railroad and the DOT regulations require the use of flagman/flagmen from the railroad company, it shall be the responsibility of the Contractor to hire the services of the railroad company and to make all the necessary arrangements including signing all the legal documents involved in the process. The cost of this service, if any, shall be calculated using the "cost plus method". That is, the actual billing cost from the railroad company to the

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Contractor plus a percentage increase of that cost as remuneration for the Contractor services. The Contractor shall state the percentage increase in the Bid Form, Section III, Bid Item No. 24.

- 12.4 Use of Traffic Engineering Escort/Permit - If, while hauling any JEA equipment, the route taken involves the interference of city traffic lights and the city requires a permit, it shall be the responsibility of the Contractor to make all the necessary arrangements. The cost, if any, shall be calculated using the "cost plus method". That is, the actual billing cost from the railroad company to the Contractor plus a percentage increase of that cost as remuneration for the Contractor services. The Contractor shall state the percentage increase in the Bid Form, Section III, Bid Item No. 25.
- 12.5 Use of Barricades - If conditions are such that lighted barricades are needed, it shall be the responsibility of the Contractor to hire the services of a licensed barricade leasing company and to make all the necessary arrangements to ensure the barricades are in place when and where they are needed. The cost of this service, if any, shall be calculated using the "cost plus method". That is, the actual billing cost from barricade leasing company to the Contractor plus a percentage increase of that cost as remuneration for the Contractor services. The Contractor shall state the percentage increase in the Bid Form, Item No. 26.

13 SAFETY

Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of and provide the necessary protection to prevent damage, injury, and/or loss to:

- 13.1 All employees on the Work, the public, and other persons who may be affected
- 13.2 All the Work and all materials or equipment to be incorporated therein, whether in storage on or off site
- 13.3 Other property at the site or adjacent thereto.
- 13.4 Contractor shall erect and maintain all necessary safeguards for safety and protection, including posting danger signs, barricades, and other warnings against hazards. Contractor shall notify owners of adjacent property and utilities when execution of the work may affect them.
- 13.5 In case of an accident on the Project, a report shall be prepared by Contractor and one copy given to the JEA Representative within twenty-four (24) hours of the occurrence of the accident.
- 13.6 JEA may shut down the Work if, in the opinion of JEA's Representative, the Work is being performed in a hazardous and dangerous manner. Work shall not proceed until Contractor agrees to conduct the Work in a safe manner.
- 13.7 In case of inclement weather warnings, contractor shall take every precaution to minimize danger to persons and property. The cost of such measures shall be borne by Contractor.
- 13.8 Contractor shall provide protection and storage as required for its equipment, property, vehicles, and personnel.
- 13.9 Crane operator must be proficient in working around energized power lines for voltages up to and including 230kV.
- 13.10 Cranes, boom trucks, lifts, excavation equipment, front-end loaders, or any type of equipment shall not be operated closer than 20 feet to any overhead power line, unless the overhead power line is de-energized by JEA or an approved electrical contractor, and the lines are visibly grounded on both sides of the operation, or protective insulated barriers have been placed over the overhead power lines. A designated person shall be stationed to watch the operation to warn the operator of the clearance. This observer shall have no other duties or responsibilities other than being a safety watch. The safety watch is mandatory for all work with this equipment, when working near the 20-foot clearance zone.
- 13.11 Contractor will be required to develop and provide lift plans for all lifts that occur over live operational equipment, within substations and switch yards, or when requested by their JEA representative.