ITEM 634.37nn0007 - Staging/Scaffolding for Bridge Inspection

Description:

Under this Agreement, the Contractor shall provide all necessary expertise, labor, materials, and equipment to configure and erect special access staging/scaffolding, subject to approval by the State, for the purposes of inspection of bridges by the State.

Materials and Equipment:

The Contractor shall furnish all personnel and equipment, including but not limited to “Qualified Person(s)”, “Competent Person(s)”, and other experienced field personnel, ladders, cables, platforms, tools and hardware, communication equipment, safety equipment, cones and signs, transportation, and any other items as necessary to do this work.

Movable suspended staging/scaffolding platforms (i.e. “Picks”) will extend a minimum of three (3) feet beyond both outside edges of the bridge when oriented at a twenty (20) degree skew to the bridge centerline. The system shall be such that it can be moved in increments along the entire length of the bridge span without dismantling. To ensure stability of the suspended system, the platform shall be affixed to rigid brackets with attachment points to the suspension system a minimum of 3’ 6” above the platform. The platform shall be no more than 6 feet below the bridge component requiring inspected unless otherwise directed by the Engineer.

At least 10 working days prior to the first time utilization of a distinct scaffolding system or configuration (suspended, catenary, etc), a scaffolding plan shall be submitted to the Regional Structures Engineer. The Scaffold Plan shall be designed by a New York State Licensed Professional Engineer. The Scaffold Plan shall include a configuration sketch with all components clearly identified, the manner in which all components will be assembled, and all parameters and limitations of the system. The Scaffold Plan shall also include the design calculations, manufacturer certifications for all components including all recommendations and limitations for their use, and working and ultimate loads for all components and the overall system.

The Contractor’s attention is directed to the fact that ANSI A10.8 requires that the wire rope used in catenary scaffold systems be designed to support their own weight plus six times the intended load, and that such systems shall be erected under the supervision of a qualified person.

Construction Details:

The Contractor shall possess the necessary qualifications and experience to perform bridge rigging and related work of this nature and be certified and/or approved to conduct rigging operations in the State of New York. The Contractor shall further adhere to all codes and local laws applicable to rigging operations.

All provisions contained in the Special Notes section of this Contract shall be adhered to. The Contractor’s “Qualified Person” and “Competent Person” shall meet the requirements the Special Notes section of this Contract. The Qualified Person shall be responsible for all aspects of the scaffolding design and configuration, as well as the necessary instruction to field personnel to insure proper field erection and usage of the
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scaffolding. A competent person shall be on site at all times during the assembly, usage, and disassembly of the scaffolding and personal fall arrest system.

At each individual bridge location, the Contractor shall furnish, erect, maintain, and remove staging/scaffolding and appropriate signage as directed by the EIC and in accordance with all applicable requirements. The setups may include, but not be limited to, cables, supports, scaffolding, suspended platforms, safety equipment, etc., vehicles, personnel, and related material necessary to completely and safely provide support for the State’s bridge inspection teams. The Contractor shall also provide sufficient personnel to be available on a daily basis during inspection to insure the safe continuous performance of the scaffolding installation.

The Contractor shall continue his operation of installing and maintaining rigging equipment in advance of the bridge inspection team, or as directed by the State, until the inspection work is complete without delay. The Contractor shall then proceed to remove all rigging in an expeditious and safe manner.

It is anticipated that in general at least two (2) spans or bridges per day will be rigged in order to maintain the schedule. The Contractor shall provide sufficient personnel and riggings such that the rigging for the next span or bridge scheduled for the team is ready for use by the bridge inspection team within an acceptable delay as defined in the Special Notes section of this Contract. Time permitting, there is no limit to the number of spans (bridges) requiring rigging in one day.

**Method of Measurement:**

The method of measurement for this Item is number of days that staging/scaffolding is in place and ready for use by the inspection crew for a contiguous eight hour work duration as described in the General Notes of this Proposal. Note that this eight hour duration varies by Region. The cost associated with set-up time preceding, and take-down time following, the in-place durations described above shall be included in the price bid for this item.

In the advent that the bridge inspection personnel require that staging/scaffolding be in use outside of the eight hour duration described above, the overtime quantity will be the number of additional hours that the staging/scaffolding is being utilized rounded to the nearest greater half hour.

If delays, interruptions, or terminations of work are experienced, payments may be deducted from the per day bid price in accordance with the Special Notes section of this Contract.
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Basis of Payment:

The unit price bid for staging/scaffolding shall include the cost for furnishing all labor, overhead, profit, expenses, travel, vehicles, equipment (safety and otherwise), materials, tools, cones and signs, etc. required to complete the work.

Payment will be made under:

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<td>Per Day</td>
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<td>Overtime for Staging/Scaffolding for Region 3</td>
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