Loop Road Construction – Phase One - West
Project # 608-20-101
718 Smyth Road, Manchester NH 03103

1.0 INTRODUTION

The Loop Road project encircles the entire Manchester campus and includes new parking lots and replaces underground utilities, exterior lighting, and new landscaping. The overall Loop Road project will need to be completed in phases to allow for the continued use of the campus by the public and VA staff. This project "Phase One – West" is for the portion of the project located in the south west corner of campus. This includes a new configuration of the main "Eagle" entrance drive which will require the construction and removal of a new temporary entrance drive. The project includes construction of a new 185 space parking lot complete with a below grade storm water retention infiltration and management system, removal and re-routing of existing utility mains, new lighting and security systems, new landscaping including privacy fencing, a portion of the loop road and sidewalks, and other features and systems as shown on the construction documents. The full construction documents package of drawings and specifications for all phases of the complete loop road project are included for reference, however only the portions within the construction area of Phase One – West and other systems connected to the construction area necessary to keep the rest of the campus functional are what is being considered part of this phase of the project. This project also includes either creating 80 new temporary gravel parking spaces to the north west of the project site that will need to be restored back to the original condition or otherwise provide for 80 parking spaces in an off-site location where a shuttle could be used to bring staff to the medical center.

This project will be occurring at an operational Medical Facility and the GC shall be cognitive that we are providing medical care for our Veterans. Any excessive noise or significant congestion to roadways and walkways shall be scheduled off hours. Contractors shall make provisions to minimize and mitigate dust, remove dirt and rock from tires of trucks and equipment leaving the construction site, and erect a site fence that protects the work area from unauthorized entry. Construction noise levels shall adhere to the Manchester, NH Code of Ordinances 94.10 Noise Levels Standards. The GC will be required to adhere to the requirements of the 2022 Environmental Assessment prepared for the Manchester VA Medical Center by Mabbett for this Loop Road Project. The GC is responsible for submitting and complying with the National Pollutant Discharge Elimination System (NPDES) Construction General Permit as the operator under the permit.

The General Contractor and their subcontractors must have extensive experience and knowledge in this type of work. Phasing and planning will be crucial in having a successful project with minimal interruptions to the traffic and utilities serving the campus. Past performance and past experience will be evaluated to determine if a GC is competent in this type of specialized work.

2.0 VA PROJECT STAFF

CONTRACTING OFFICER (CO)

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CONTRACTING OFFICERS TECHNICAL REPRESENTATIVE (COR):

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CONTRACTING OFFICERS TECHNICAL REPRESENTATIVE - ALTERNATE (COR):

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3.0 BID PRICING

BASE BID

The GC is to bid project according to the drawings and specifications (as well as this SOW) without substitutes. The job shall be bid using 180 calendar days (6 months) as the period of performance (construction portion starting when ground is broken). See **Section 20** of this document for more information regarding the period of performance.

4.0 PERFORMANCE REQUIREMENTS

All work is to be completed with minimal disturbance to the Medical Center and close coordination will be required with the VA COR.

Any work that is occurring in roadways shall leave a clear path for emergency vehicles as well as employees and patients.

All tools and equipment must always be kept in eye contact, when workers are taking breaks or leaving the site, tools must be removed and stored in a safe place when working inside Medical Center.

All work shall be performed between the hours of 7:00am to 3:30 pm Monday thru Friday, excluding holidays. If after hours work is needed, a formal request is to be sent to the COR of the project with at least a 2-week notice, in which the VA shall approve or deny.

All labor rates will comply with applicable Wage Rate Determinations by the Department of Labor.

All work shall be in accordance with the project specifications and drawings.

The contractor shall have the capability of producing electronic documents that shall be able to interface with the systems used by the VA, Facilities Management Service (FMS) at the VAMC-Manchester. The contractor shall submit electronic copies of all drawings, documents and submittals via email whenever possible to the Contracting Officer (CO) or Contracting Officer's Representative (COR).

GC shall submit Activity Hazard Analysis (AHA) as part of Safety plan outlining any hazardous work that may occur and how the associated work will be handled.

- A blank AHA form is available at **http://www.swf.usace.army.mil/About/Organization/SafetyandOccupationalHealth.aspx**

Updated schedule for completion of work to be submitted with each invoice broken down by schedule of values. An invoice not accompanied by a revised schedule may not be approved for payment. If the schedule has not changed since the last invoice the GC shall note that when sending invoice in for approval. All invoices shall be approved by both the CO and the COR, invoices uploaded to IPPS not containing dual signatures will be rejected for payment. This rejection will add additional time to the payment process and VA shall not be held liable for late/interest payments.

Safety Data Sheets (SDS's) must be submitted to the COR for approval for all hazardous materials before they are brought to the work site.

Work shall not begin until engineering has reviewed and approved all submittals for safety and product material/equipment. Refer to section **01 35 26** for additional safety requirements.

All submittals shall be sent to the COR and the CO for review and signature approval.

5.0 SAFETY

Prior to the start of the construction project all safety submittals (OSHA Certificates, Designation of competent person, AHA's for applicable tasks, Confined space program, etc.) must be reviewed and approved by the COR.

The confined space program approval allows the GC and their subcontractors to enter confined spaces to do work. Prior to entering a confined space, the GC shall verify that all procedures and protocells are implemented per the approved confined space plan. If a person(s) is found inside a confined space without the confined space program being implemented, they will be immediately removed from the confined space as well as the construction site.

6.0 EXISTING UTILITY SURVEY

The GC shall perform a survey of the existing unground utilities in the locations where they will be excavating. This shall be a third-party company who utilizes ground penetrating radar and will mark with flags and paint the location of utilities. It is the GC's responsibility to maintain these markings for the duration of the project.

7.0 NOT USED

8.0 SUBMITTALS

The GC shall utilize a file sharing platform for the exchange of all project documentation.

All project documentation is not approved until it has received electronic signature from both the COR and the CO.

Email does not count as a file sharing platform because of the limit in the size of documents that can sent.

9.0 UTILITY SHUTDOWNS

The GC shall give the COR 3 weeks advance notice of all shutdowns that will affect the facility.

As part of the bid documents a shutdown preliminary schedule shall be submitted. This schedule shall show the following:

- Number of shutdowns
- What task is being supported by the shutdown
- The approximate duration of each shutdown

This shutdown schedule will be used to verify the GC's understanding of this complex project, as well as to give the COR an idea of the number of shutdowns to allow for proper planning. It is highly recommended that the GC demonstrate their knowledge of the project through this required schedule.

All electrical shutdowns are to be done off hours so that unplanned occurrences do not affect patient care, typically weekends work best for these. On a case by case basis COR may allow shutdowns to occur during normal operating hours.

10.0 LOCAL UTILITY

The A/E shall follow the rules and regulations of the local utility companies, where applicable.

11.0 NOT USED

12.0 NOT USED

13.0 INSTALLATION REQUIREMENTS

**All conductors, transformer windings, and bussing in electrical power distribution system components shall be copper.

CONDUCTORS

Any existing conductors that are to be used (tied into) shall be meagered to ensure insulation integrity. Existing conductors that visually have sign of deteriorated or damaged insulation shall be replaced with new.

All abandoned conductors or conductors shall be removed back to the nearest junction box. Where the entire circuit is to be removed, the conductors shall be removed back to the power, telecommunications, or signal system source from which they originate.

New conductors shall not be installed in existing conduit with existing conductors.

RACEWAYS & CONDUITS

Install all wiring such as feeders, and branch circuit wirings in raceways. Raceways shall be as specified in PG-18-1, Master Construction Specifications, Division 26. Raceway shall comply with the definition of the NEC Article 100.

14.0 DEMOLITION REQUIREMENTS

Under this contract GC owns all demolishing and associated fees with the removal and demolishing of equipment as part of the project.

15.0 CONTINUITY OF SERVICE

Electrical power services passing through construction area shall be maintained throughout the construction period.

All circuits serving areas adjacent to the construction area that are modified, as part of the construction project, shall be re-circuited as part of the construction project.

Provide temporary and/or modify existing lighting and power, and related services as required for construction-period's Interim Life Safety measures.

16.0 COMPATIBILITY

New equipment installed shall be compatible with existing components and systems to which it interfaces.

17.0 PROPRIETARY EQUIPMENT

A sole source justification has been completed to allow for compatibility of products for standalone systems. The sole source justification is for the following manufactures of brand specific items:

Security Cameras: The new cameras shall be **American Dynamics** brand and shall be interfaced with the existing **Victor software systems**. Any additional licensing required shall be included as part of this contract. A security contractor who is authorized to install this proprietary equipment shall be hired for all camera work.

18.0 NOT USED
19.0 NOT USED

20.0 PERIOD OF PERFORMANCE

The overall Period of Performance for the job will be **180 calendar days** which will begin 14 days after the Pre-Construction meeting.

The GC's project schedule shall be submitted by the 14th day, and shall show project being executed over the **180 calendar days**; early completion of schedule shall not be shown at this time. Schedule shall also so be broken out by each division of construction.

An updated project schedule must accompany each pencil requisition for payment. If a schedule is not submitted progress payments may be delayed or rejected.

21.0 PROJECT DOCUMENTS

The following project documents have been included in addition to this scope of work:

A. Loop Road Infrastructure Upgrades - Drawings
B. Loop Road Infrastructure Upgrades – Specifications
C. Manchester VAMC New Campus Loop Road – Draft EA
D. U.S. Department of Veterans Affairs – Finding of No Significant Impact (FONSI)
E. Loop Road Phasing

22.0 WARRANTY

All work shall be warranted for a period of one year, as specified under Warranty of Construction FAR clause 52.246-21, to be free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier.

Contractor shall also, as specified under Warranty in FAR clause 52.246-21, obtain all warranties that would be given in normal commercial practice executed, in writing, for the benefit of the Government.

This contract shall be subject to all parts of FAR clause 52.246-21and it's Alternate I.

-END OF SCOPE OF WORK-