

WASTE TREATMENT PLANT PROJECT REQUEST FOR INTEREST

WTP SITE ROADS AND PARKING AREAS PAVING

Requisition Number: 24590-CM-SRA-CS01-00001
Submit Interest By: August 29, 2019
Quality Level: CM
Award Type: FIRM FIXED UNIT PRICE

ESTIMATED SCHEDULE

Issue Request for Proposal: September 12, 2019
Award and Notice to Proceed: December 31, 2019

PROJECT DESCRIPTION AND LOCATION

The Hanford Tank Waste Treatment and Immobilization Plant (WTP) is a complex of radioactive waste treatment processing facilities designed and constructed by Bechtel National, Inc. for the Department of Energy (DOE). The facility will process the Hanford Site tank waste and convert the waste into a stable glass form.

The Project site is located in the 200 East Area of the Hanford Reservation near Richland, Washington, along the Columbia River. The site elevation varies from 662 to 684 feet above mean sea level. Ambient temperature range is -23 degrees F minimum to 113 degrees F maximum, with relative humidity of 5% minimum to 100% maximum. The project design life is 40 years.

SCOPE OF WORK

SUBCONTRACTOR performs all the work necessary to provide the following: Asphalt Cement Pavement (ACP) surfacing of Direct Feed Low Activity Waste (DFLAW) roadways and parking lots to support completion of DFLAW and in preparation for Operational Readiness Review.

Tasks to be performed and activities essential to the product or service being procured are included in the following sections:

- Roadbed – Final grading and compaction of CSBC Base course. BNI will over place approx. 0.1' high, subcontractor to cut to final grade, compact to required density, and provide density compaction reporting documentation
- Construction surveying – BNI to provide major control points, PI, PT, PC, elevation monuments, and site grid and coordinate system. Subcontractor to shoot final grade, road alignment, stationing, radius of curves, etc.
- Asphalt Concrete curbs
- Protection of existing utilities and buildings from tack coat, vehicle damage, etc.
- Furnish, place, and compact Asphalt Concrete Pavement (ACP)
- Final paving around manholes and valve boxes in roadway
- Tack coats between asphalt placements, and at concrete interfaces (sidewalks, gutters, ramps, retaining walls, etc.)
- Traffic control around paving operation (flaggers, spotters, signs/barricades, door monitors)
- Protection of finished paved areas until ready for traffic (signs/barricades/flaggers)
- Qualification testing of materials obtained from off-site (aggregate, bitumen, sand, lime, etc)
- Plant Material testing – In process testing of batched materials as required by CONTRACTOR
- Field Material testing - Performance testing, on site compaction and installation testing as required by CONTRACTOR

WORK LOCATION

Work is to be completed in the WTP Project Site. SUBCONTRACTOR shall comply with Project Security Program requirements. Any requested access must be coordinated through CONTRACTOR.

WORK SCHEDULE

Plan for 4 discrete and separate mobilizations:

- South end of site up to south side of Low Activity Waste (LAW). Anticipated start time: March 2020
- Center section from south side of LAW to North of Laboratory (LAB). Anticipated start time: July 2020
- Effluent Management Facility (EMF) North section: Anticipated start time: March 2021
- Optional for parking lots, loop road. Anticipated start time: Before September 2021

CONSTRUCTION

SUBCONTRACTOR shall construct the DFLAW Roadways in accordance with its design and specifications identified in this contract.

WORK EXCLUDED

- Clearing, grubbing, grading, and rough contouring of site.
- Rough Grade, or subgrade of roadways and parking lots
- Furnish and Install of CSBC
- Drainage features, culverts, gutters, manholes, catch basins, etc.
- Major Survey Control
- Permanent plant signage (building information, roadway, etc.)
- Pavement markings
- Vehicle Bumper Curbs
- Erosion control
- Landscaping, topsoil placement, shaping of final contours

Equipment and Materials Required

Paver
Steel drum Compactor
Rubber tired Roller

QUALITY ASSURANCE (QA) REQUIREMENTS

Programmatic Quality Assurance (QA) requirements for subcontracts or purchase orders performed in the WTP Jobsite will be:

<input type="checkbox"/>	Non-Permanent or Temporary Work - Generally no QA program required
<input checked="" type="checkbox"/>	Commercial Quality - Based on DOE Order 414.1C
<input type="checkbox"/>	Nuclear Level Quality - Based on ASME NQA-1 2000

Bechtel may require, as an element of bidder pre-qualification, submission of a representative sample QA Program or Table of Contents copy. For Nuclear Level Quality subcontracts, the successful bidder's QA Program must be approved prior to award of the subcontract or purchase order.

CODES

TBD

STANDARDS

TBD

BIDDER REGISTRATION AND PRE-QUALIFICATION

The BNI Acquisition Services Subcontracts/Purchasing group is responsible for collection, evaluation, and internal publication of potential bidders' information for the purpose of pre-qualifying them to bid on any particular subcontract or purchase order.

As part of this process, BNI requires all potential offerors to register at the Supplier and Contractor Portal at:

<https://www.Bechtel.com/supplier/>

If your company has registered previously, then only supplemental information should be sent to the Bechtel National, Inc. representative noted below.

Information to be provided by potential bidders must include:

- Dun and Bradstreet Number
- Company Name
- Company Address
- Contact Phone Number
- Contact Person
- Email Address
- Safety Data and Information
- Applicable Work Experience and Projects
- Size of Business (Small, Large)

WTP BACKGROUND

Information about the WTP Project can be found on <http://www.hanfordvitplant.com>

CONTACT

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