Utility Tunnels: Repair Tunnel Lid at Holland and Gyms – Rogers Field
Washington State University
Pullman, WA

Addendum No. 2
3/20/2020

Project No. 1155-2020
Washington State University
Facilities Services, Capital
Utility Tunnels: Repair Tunnel Lid at Holland and Gyms – Rogers Field
Washington State University
Pullman, WA

Bid Date: March 26, 2020

1. This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated March 4, 2020, and any prior addenda, as noted below.

2. Please acknowledge receipt of this addendum on the Form of Proposal.

This Addendum consists of 13 total pages including the following Attachments:

<table>
<thead>
<tr>
<th>Pre-Bid Meeting 3/17/2020: Meeting Minutes</th>
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<tbody>
<tr>
<td>Pre-Bid Meeting 3/17/2020: List of Attendees</td>
</tr>
<tr>
<td>Sheet G-001 – Revised Index of Drawings to include new mechanical sheets</td>
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<tr>
<td>Sheet M-001 – New sheet with mechanical notes</td>
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<td>Sheet M-101 – New sheet for condensate pipe layout</td>
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<td>Sheet M-501 – New sheet for condensate pipe support details</td>
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</tbody>
</table>

Changes to prior Addenda:
None

Changes to Bidding Requirements:

1-1. SECTION 00 21 13 – Instructions to Bidders

Item 1. To encourage social distancing and allow the most time for bidders to prepare their bids, bidders may submit their bids in electronic or fax format. For these two bidding format options the requirement to submit a sealed bid is waived.

Add to Article 1.10, A. 4.:

Electronic Bids: Bidders may submit their bid via email to contracts@wsu.edu prior to the bid submission deadline. The emailed bid must include all documents that would have normally been submitted in the sealed envelope, including but not limited to the Form of Proposal and bid bond, in either PDF or Image format. The original bid and accompanying original bond shall be mailed and post marked within 72 hours of the bid open.

Faxed Bids: Bidders may submit their bid via Fax to 509-335-9304
prior to the bid submission deadline. The faxed bid must include all
documents that would have normally been submitted in the sealed
envelope, including but not limited to the Form of Proposal and bid
bond. The original bid and accompanying original bond shall be
mailed and post marked within 72 hours of the bid open.

Bidder Questions and WSU Response:

1. Will WSU be providing a 3rd Party consultant to perform visual and air clearance
testing?

   RESPONSE: Yes, WSU EHS will provide this testing.

2. Can you confirm that the only area that will require insulation to be abated from
the piping will be approx. 268 LF in the Smith Gym Scope Area? Is it all one
continuous run?

   RESPONSE: Reference good faith survey and asbestos specs for an estimate of
abatement quantities.

3. Can you confirm that there is 10 LF of piping in the Glenn Terrell Mall scope that
will only be encapsulated and 5 SF of debris on the tunnel floor that needs to be
removed and disposed?

   RESPONSE: Reference good faith survey and asbestos specs for an estimate
of abatement quantities.

4. Can you confirm that there is 90 LF of piping in the Smith Gym scope that will
only be encapsulated and 10 SF of debris on the tunnel floor that needs to be
removed and disposed?

   RESPONSE: Reference good faith survey and asbestos specs for an estimate
of abatement quantities.

5. Who will be responsible to re-insulate the areas of insulation that are abated?

   RESPONSE: The low responsive and responsible bidder awarded the contract
(winning bidder).

6. Will areas of piping to be abated or encapsulated be easily identifiable or
marked?

   RESPONSE: This will require coordination on-site with WSU EHS.
Changes to Drawings:

DWG 1-1. Drawing G-001 – Index of Drawings
   Item 1. Delete original and replace with attached revised dated 3/20/2020.

DWG 1-2. Drawing M-0001 – Mechanical Notes

DWG 1-3. Drawing M-101 – Condensate Pipe Layout

DWG 1-4. Drawing M-501 – Condensate Pipe Support Details

END OF ADDENDUM No. 2
PRE-BID MEETING

WSU Project: Holland & Smith Gym Steam Tunnel Lid Repair 1155-2020

Meeting Date: March 17, 2020
Time: 2:00pm
Physical Address: Tunnel Lids near Holland Library and Smith Gym
Meeting Location: https://wsu.zoom.us/j/900673717
Recorded by: Phil Johnson

1. Introductions:
   a. WSU Facilities Services Project Manager: Phil Johnson (philjohnson@wsu.edu 509-335-9279)
   b. WSU Facilities Services Construction Manager: Mike LaVielle (Michael.lavielle@wsu.edu 509-335-9071)
   c. WSU Occupant/Customer: WSU Facilities Services
   d. Design Engineer: Coffman Engineers; Rebecca Matlack, Damiano Seghetti
   e. Attendance at the ZOOM pre-bid meeting is mandatory for General Contractors/Prime Bidders. Please identify yourself during the ZOOM conference call and provide your name, company and phone number in an email to contracts@wsu.edu.
   f. The Owner’s meeting minutes will be routed to project plan holders as part of an addendum.
   g. Send all questions regarding this project to the Facilities Services Project Manager, with copy to Facilities Services Construction Manager:
      i. All questions must be received no later than, Thursday March 19, 2020.
      ii. All requests for substitutions must be received by Thursday, March 19, 2020.
   h. Addenda will be forwarded to all plan holders. Addenda will be issued no later than COB on Friday, March 20, 2020.
   i. This is an active campus. There are students, faculty and visitors who either will not be aware of construction or will be distracted. Contractors must routinely work around the pedestrian population on campus as well as control noise and other construction related activities to minimize the effect on the campus. WSU is committed to a completely accessible campus. This means that when construction activities interfere with accessible pathways, that the General Contractor is responsible for putting in place temporary facilities (ramps, pathways, etc..) to assure that all pathways are available. Harassment in the workplace is not tolerated at WSU. All trades are required to conduct themselves such that harassment, real or perceived, does not occur. Offending individuals will be permanently removed from the project.

2. Project Description:
   This project includes the removal and replacement of the concrete utility tunnel lid structure at two locations on the Pullman Campus (near Holland Library and near Smith Gym). Additional scope includes asbestos insulation abatement and
condensate pipe replacement. Project must be substantially complete by August 14, 2020 (including all roadways/walkways fully open with no restrictions) with above ground construction activities starting no sooner than May 11, 2020. Below ground prep work within the tunnel and asbestos abatement can begin prior to March 11, 2020 if coordinated with the WSU Construction Manager. Proposals MUST BE based on this Contract Time.

Alternates:
Alternate No. 1 – Carefully remove, salvage and reinstall existing asphalt block pavers (8# hexagon) along Glen Terrell Mall.
Alternate No. 2 – Remove and legally dispose of block pavers (8” hexagon) along Glen Terrell Mall. Replace with pavers manufactured by Hanover Architectural as outlined in specification section 32 12 00.

a. Location: Glen Terrell Mall just south of Holland Library and along the sidewalk between Smith Gym and Rogers Field
b. Access/Haul Routes: will be from College Avenue and up Library Mall Road as shown as the "Glen Terrell Haul Route" on sheet G-001 of the construction drawings. Longterm lay-down area available south of the College Avenue Steam Plant at the west end of College Avenue. Coordinate haul route and lay-down specifics with WSU Construction Manager. All roads shall remain open. Contractor shall provide seven days prior notice for any restrictions or closure for scheduled deliveries or installations. Any restrictions or closures will require traffic control.
c. Occupied Area: Contractor to secure work area to limit public access but also work with occupants of adjacent buildings to ensure access points are maintained. Contractor will need to coordinate activities with surrounding facilities.
d. Existing Hazards: Steam tunnels are considered by the state of Washington as a confined space. Potential hazards in the tunnel include but are not limited to steam and condensate piping, high voltage electrical, and hazardous materials. Construction activities, delivery vehicles, students, facility maintenance, visitors, etc.
e. Schedule Constraints: Submittal and scheduling activities to begin as soon as notice to proceed is issued.
f. Parking. Parking on campus is enforced 24 hours a day, every day. It is the bidder’s responsibility to obtain parking permits to attend pre-bid meetings, site visits, and bid openings. Go to www.parking.wsu.edu for more information about visitor parking permits. Labor force parking and permits: Minimal parking will be available onsite. Workers will need to park in existing lots on campus. In an attempt to minimize impact on annual permit holders, Contractors and sub-contractors will be able to park on the mall by purchasing a commercial mall service permit. The quantity of vehicles should be limited whenever possible. They can buy daily, 10 day or monthly permits through Transportation Services. Work that requires on site vehicles can be accommodated by parking within the site fence with a contractor permit.
PRE-BID MEETING

g. ADA. ADA access must remain open during construction. Contractor to develop and submit plan for temporary ADA access.

3. Estimated Base Bid, not including taxes, is approximately: **$725,000.**

4. Expected Notice to Proceed date: **April 13, 2020.**

5. Estimated Contract duration after Notice to Proceed: **Substantial completion required by August 14, 2020.**

6. Bidders should review the complete version of the bid instructions in the Contract Documents and in any forthcoming addenda. Especially note the following:
   a. Bids shall be made upon the form of proposal in the Contract Documents.
   b. All information requested on the bid form shall be filled out completely and entirely to include:
      i. Base Bid amount – Required
      ii. Alternate amount(s) as required – Required
      iii. Unit Price amount(s) as required – N/A
      iv. Acknowledgement of each addendum received – Required
   c. The bid should include a bid security bond.
   d. Bid forms shall be enclosed in an opaque envelope if mailed or delivered, shall have a cover sheet if faxed see specification section 00 21 13.
   e. The bidder is responsible for getting the bid to the office designated in the documents by the time noted in the documents. To be considered responsive, bids shall be received and time stamped at McCluskey; Facilities Services Capital, main desk prior to the bid date and time in the Contract Documents. (NOTE: the USPS and private delivery/shipping companies do not make regular deliveries directly to the building and office designated.)
   f. Bids will be received prior to 2:00 p.m.; March 26, 2020 at Facilities Services, McCluskey Services Building, 2425 East Grimes Way, Pullman, WA 99164-1150. The Bid Opening will be available via ZOOM and phone, reference the Facilities Services website (https://facilities.wsu.edu/facilities-services-capital/contractors/) for further information. Proposals will then be read aloud in the 190D Conference Room, McCluskey Services Building and broadcast via ZOOM and phone.
   g. Bidder Responsibility Mandatory Criteria: It is the intent of the Owner to award a contract to the low responsible bidder. Prior to awarding a contract, the apparent responsive low bidder must submit documentation demonstrating compliance as per Section 00 21 13, Part 1.16 – Low Responsible Bidder. Be prepared to submit the required documentation with 48 hours of receipt of request.

7. Summary of Construction Administration Requirements:
   a. For complete project administrative requirements refer to Division 1 and the General Conditions of the Contract Documents and addenda.
PRE-BID MEETING

b. Prior to starting work; the contractor will be required to submit a Schedule of values and a construction progress schedule in a critical path method format for review and approval.

c. Weekly progress meetings will be conducted during the course of the project unless otherwise approved by the owner.

d. Material information and/or shop drawings shall be submitted to the Owner for approval. The construction progress schedule shall include time for the submittal review and distribution process.

e. O&M Manuals and As-built drawings shall be submitted prior to substantial completion and the final application for payment and shall be identified as activities on the construction progress schedule.

8. A job-site visit will be conducted during the course of this pre-bid meeting.

9. Discussion/Remarks/Concerns:

a. Updated drawings to include condensate pipe replacement in the Smith Gym tunnels to be issued via addendum later this week.

b. Reference details 4 & 5/S-502 for approximate tunnel lid geometry near Smith Gym. It appears that existing condition includes a topping slab over the tunnel lid and very little clearance above the steam piping. The proposed solution is to eliminate the topping slab and raise the new tunnel lid up to act as the sidewalk surface and create more clearance above the steam piping.

c. The drawings call for steel support beams in many locations. These beams (add associated connections and columns) need to be installed prior to placing concrete at the adjacent lid.

d. Question 1 – Is water available on-site?
   i. Answer 1 – Yes, Facilities Services can provide access to site water. Contractor shall take necessary precautions to keep water out of the tunnel and protect all critical components (4kV electrical, telecom, etc.). Coordinate water access with WSU Construction Manager.

e. Question 2 – How long can condensate line be down?
   i. Answer 2 – Facilities Services will bypass the condensate line during the construction window for this project (as outlined in the bid documents).

End of Meeting
**PRE-BID MEETING**

**PRE-BID MEETING ATTENDANCE RECORD**

<table>
<thead>
<tr>
<th>Project Title:</th>
<th>Holland and Smith Gym Tunnel Lid Repair</th>
<th>No:</th>
<th>1155-2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Meeting Location:</td>
<td>McCluskey Bldg. Room 190D</td>
<td>Date:</td>
<td>March 17, 2020</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name and Company</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom Allen – Clearwater Construction</td>
<td>509-363-0414</td>
<td><a href="mailto:toma@clearwaterconstruction.us">toma@clearwaterconstruction.us</a></td>
</tr>
<tr>
<td>Joe Finch – Quality Contractors</td>
<td>208-596-1892</td>
<td><a href="mailto:joe@quality-contractors.com">joe@quality-contractors.com</a></td>
</tr>
<tr>
<td>Dan Rassmusen – RAZ Construction</td>
<td>360-927-1204</td>
<td><a href="mailto:donr@razzconstruction.com">donr@razzconstruction.com</a></td>
</tr>
<tr>
<td>Jim Wallace – ENWRCC</td>
<td>208-874-3504</td>
<td>Not Provided</td>
</tr>
<tr>
<td>Mike Blankenship – IRS Environmental</td>
<td>509-998-2595</td>
<td><a href="mailto:mblankenship@irsenviro.com">mblankenship@irsenviro.com</a></td>
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WSU 2019-20
UTILITY TUNNELS: REPAIR TUNNEL LID AT HOLLAND AND GYM - ROGERS FIELD

Washington State University
Department of Facilities Services - CAPITAL
Pullman, Washington

SYMBOLS & GRAPHICS

LOCATION MAP

FACILITY SERVICES-CAPITAL

INDEX of DRAWINGS

ABBREVIATIONS

CODE REFERENCES
M001 - Repairs for Tunnel and Helm Positions M001-038

MECHANICAL NOTES

+1.21" PER 100 FT PIPE EXP. / CONTR.

INSTALL. TEMP.

SHEET TITLE

200 °F

1155-2020

FILE No.

WSU

UNLESS NOTED OTHERWISE ALL ACCESSORIES SHALL HAVE A HOT DIPPED GALVANIZED FINISH. THIS

DESIGN BY:

MECHANICAL NOTES AND SPECIFICATIONS

ASME B31.1 - PROCESS PIPING

MATERIAL OR NON-ASBESTOS CONTAINING MATERIAL.

DATE

DESCRIPTION

MARK

PLOT DATE:

October 14, 2014, 11:38 AM

MARKERS, OR STENCILED PAINTING. IDENTIFY SERVICE AND FLOW DIRECTION. INSTALL IN

IDENTIFY PIPING, CONCEALED OR EXPOSED, WITH PLASTIC PIPE MARKERS, PLASTIC TAPE PIPE

MARKERS: SETON, CRAFTMARK, READY-MADE, FACTORY FABRICATED, FLEXIBLE,

AND SEMI-GLOSS ENAMEL PAINT.

RECOMMENDATIONS, FOR STENCIL PAINTING. USE CLEAN CUT SYMBOLS AND

C.

ON STRAIGHT RUNS INCLUDING RISERS AND DROPS, ADJACENT TO EACH VALVE AND "T", AT EACH

BOLTS

REPRODUCIBLE WILL BE MARKED AND RETURNED.

WHERE NEW INSULATION IS INSTALLED GREATER THAN 10 FEET IN LENGTH LABEL PIPING. LABEL

SUPPORTS AND ANCHORS SHALL BE PER THE CONTRACT DRAWINGS. SUPPORTS SHALL BE HOT DIP

SHALL BE RESPONSIBLE FOR COORDINATING THE DRAWINGS AND SPECIFICATIONS AMONG THE

OWNER OR ENGINEER.

FURNISH ALL EQUIPMENT, MATERIALS, LABOR, TOOLS, ETC., REQUIRED FOR THE DEMOLITION OF THE

CONTRACTOR SHALL ASSUME PIPE INSULATION IS ASBESTOS BEARING.

STOP ALL EQUIPMENT DELIVERY TO A LOCATION ON SITE AND TURNED OVER TO THEM. TAKE REASONABLE CARE

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NOTES:
1. INSTALLED PIPE TEMPERATURE IS ASSUMED TO BE 70°F.
2. MAXIMUM CONDENSATE TEMPERATURE IS 207°F.
**M-501**

**CONDENSATE PIPE SUPPORT ELEVATION**

1" = 1'-0"

**M-501**

**CONDENSATE PIPE GUIDE - ELEVATION**

1" = 1'-0"

**PS-1 TYPICAL**

**CONDENSATE PIPE SUPPORT ELEVATION**

**PS-2 TYPICAL**

**CONDENSATE PIPE ANCHOR**

1" = 1'-0"

**PG-1 PIPE GUIDE**

**CONDENSATE PIPE GUIDE - ELEVATION**

1" = 1'-0"