ADDENDUM 1

DATE: June 05, 2017
PROJECT: OCB Storm Drain System Modifications
ITB NO: 744-B1717-OCB Storm Drain System Modifications
OWNER: The University of Texas Health Science Center at Houston
TO: Prospective Proposers

This Addendum forms part of and modifies Proposal Documents dated, May 05, 2017, with amendments and additions noted below.

1. **Questions, Clarifications submitted and Responses**

1) Clarification: Please confirm this project is to follow the *University of Texas System OFPC Prevailing Wage Determination* included with Exhibit B – Special Conditions of the bid documents, and not the *Harris County Wage Rates*.
   
   Response: Yes

2) Clarification: Please confirm a full time superintendent is require for the duration of the project.
   
   Response: A capable representative of the company must be present on site all times. This person shall be properly safety trained, capable of directing work, and capable of making decisions regarding scope with ODR

3) Clarification: Please confirm there is no asbestos or other hazardous material abatement in this project’s scope of work.
   
   Response: Confirmed

4) Clarification: Please confirm all materials testing is by the Owner.
   
   Response: Confirmed

5) Clarification: Please clarify if a building permit or a permit/fees for sidewalk and street closures will be required on this project.
   
   Response: The Contractor is responsible for getting and paying all appropriate permits.

6) Clarification: Please provide details for both the City street and the non-City street concrete repairs.
   
   Response: The details have been added to the private plans and to the City plans that still need to be signed, by the City.
7) Clarifications: Please clarify if HDPE can be used in lieu of PVC.
   Response: If HDPE is to be used, the contractor will have to backfill with concrete stabilized sand a minimum of 1' above the pipe.

8) Clarification: Please confirm work for this project will be able to be performed during normal business hours, and the contractor will have access to the entire area of renovation at one time (no phasing).
   Response: Confirmed

9) Clarification: Please confirm striping and symbols that are disturbed during demolition are to be repainted.
   Response: Confirmed

10) Clarification: The demolition and repair of the concrete will cause several parking spaces to be unavailable during the time of the renovation. Please clarify if high-early concrete is required to be used at these locations, or if the spaces can be out of service for the duration of the renovation in that area.
    Response: No, high-early concrete is not required. We are good with allowing the spots to sit for 28 days while normal concrete sets up, no commercial trucks parking will be allowed.

11) Clarification: The existing opening referenced on P-300/5 appeared to be closed in during the site walk. Please confirm the contractor can core a new opening for the piping.
    Response: Core new opening

12) Clarification: Please clarify if the coring of the opening for the plumbing pipe, and the work inside the building for the water pipe connection will be required to be after hours, or if this work can be performed during normal hours.
    Response: Yes, after hours or on the weekend.

13) Clarification: Sheets P-100, P-200 & P-300 all indicate the documents are incomplete. Please clarify if completed pricing or construction documents will be released prior to the bid date.
    Response: The plans have been signed by the engineer and are provided with this response.
14) Clarification: The proposed route for the 24” storm line on the plan west side of the building will run through a grouping of trees. Please clarify the route, and if any trees are to be relocated/replaced. The proposal route will require the removal of several of the existing trees.
   Response: The plans have been revised to move the system out of the trees as discussed. The alignment will impact a concrete pad that the client’s employees are using for a lunch area. The contractor will work with the Client to determine the new location (if different than the current location) for a new concrete pad of the same size.

15) Clarification: Please clarify if the traffic to the loading dock on the plan north-west part of the building can be redirected to come in the existing gravel drive from the west, instead of coming across the storm line during the replacement.
   Response: Working on confirmation. For bidding purposes figure it will be redirected to come in the existing gravel drive.

16) Clarification: Note 6 on C-102 states to replace existing 15” RCP with new 15” RCP. This not does not reflect the profile plans which show the 15” RCP to be replaced with 18” PVC. Please clarify.
   Response: To my knowledge there is one profile for this run of pipe. The plans provided to the contractor during the walk through has had corrections due to the new alignment on the west side of the site to avoid the existing trees. The 15” plan view and note 6 has been revised to show that the new pipe will be an 18” pipe.

17) Clarification: Will the owner be providing an arborist for root pruning/trimming? The water vault and water line in Alternate 1 are surrounded by roots from existing trees and must be addressed by an arborist to prevent killing the existing trees.
   Response: The water line looks like it would be better if it ran on the north side of the sidewalk to avoid trees on the south side of the sidewalk. The work around the vaults will be between the vaults and curb, which have no trees. Best practices should be used while working around the trees to preserve them.

18) Clarification: The proposed storm line to the north is currently located in the powerline easement. Please provide re-route to avoid easement.
   Response: The existing system that is being rerouted is in the existing electrical easement and the route provides minimal costs of replacing paving and additional structures. The contractor will have to work with the electrical company to provide protection from the overhead power lines.
19) Clarification: Due to the existing canopy the contractors will not be able to access the existing storm line shown below. Please clarify if the canopy is to be removed and replaced with new after the storm line is installed, or if the storm line can be shifted south to avoid the canopy and tied into the existing manhole (an additional manhole will need to be installed). Shifting of the line will likely be the more cost efficient method.

![Diagram]

Response: A new manhole may be an option, but the as built information provided to us was minimal, so an addition a field visit may be required to see if there is any potential conflict prior to modifying the design. We tried to stay within the current alignment of the existing system to eliminate as many conflicts as possible.

20) Bid due date extended to Tuesday, June 13, 2017 at 2:00 PM C.S.T.

21) HUB Plan due date extended to Wednesday, June 14, 2017 at 2:00 PM C.S.T.

END OF ADDENDUM 1
1. Appurtenances to scale. Show piping and specialty sizes and valves, meter and specialty locations, and elevations.

2. Be kept clean during these operations.


4. M2 assembly, and components.

5. Testing agency acceptable to authorities having jurisdiction, and marked for intended use.

6. Applications, equipment shall be:

   A. Fire Marshall approved, clockwise to 2.

   B. Fire flow meter valves shall be OS&Y double disc valves (line valves only)

   C. Tapping Valves:

      f. New, or best grade and standard manufacture.

      g. Double reduction ratio to conform to AWWA C 110, latest edition, Pressure Rated 250 PSI, wrapped with polyethylene per

5. Hydrostatic Test

   A. Before approving the completed project, all cast iron exploratory from pipes shall be removed from each valve.

   B. The fire service pipe shall be made to withstand 250 PSI, per NFPA 30 standard, and shall be installed without backfilling.

   C. Pressure test shall be made in accordance with AWWA C 110, latest edition, Pressure Rated 250 PSI, wrapped with polyethylene per

6. Disinfection

   A. The piping of the water shall be thoroughly cleaned of all foreign matter before into the system, and shall be kept clean during these operations.

   B. Polyamide pipe shall not be used in water or other tests or conditions are unsuitable for polyamide pipe.

   C. Polyester pipe shall be used for water distribution systems, open side joints and pipes shall be securely closed to the point, such as when cut, or removed from service.

   D. All, line, pipes, and piping that shall have the inside surface in accordance with the schedule on line sizes, in Table 2.21, shall be applied to the approved scheduling and other conditions for water distribution systems.

   E. After the water containing this amount of chlorine has been in contact with the pipe and appurtenances at

   F. Distribution system shall be disinfected using chlorine or chlorine compounds added to the water resulting

   G. Any defective material shall be replaced with sound material and the test repeated until satisfactorily

   H. After approved completion of the hydrostatic tests, the water distribution system shall be sterilized

   I. All water used for testing and cleaning shall be supplied by municipal supplies approved by the state's Department of Health.
CITY OF HOUSTON
DEPARTMENT OF PUBLIC WORKS AND ENGINEERING
STORM DRAIN MODIFICATION

1. Contractor shall provide and install traffic control devices in accordance with Part VI of the Texas Manual on Uniform Traffic Control Devices (Texas MUTCD), most recent issue with its indexes during construction.

2. No traffic lanes shall be closed during the hours of 9:00AM to 7:00PM Monday through Friday in Downtown/Houston areas.

3. No lane closure shall exceed 3 miles in length or 20 minutes in duration. All closures shall be notified to the public by newspaper, television, radio, or other communication system. The contractor shall maintain a minimum speed of 45 mph in all construction zones.

4. No traffic lanes shall be closed in residential areas from 7:00PM to 7:00AM.

5. Contractor shall maintain one lane of traffic in each direction during working hours, unless otherwise noted.

6. Contractor shall ensure proper coordination with all plans, schedules, and specifications during any road work.

7. The road and/or right-of-way shall be as good as or better than prior to starting work.

8. All drainage ditches or structures disturbed during construction shall be restored to the satisfaction of the owning authority.

9. Contractor shall take necessary precautions to protect root systems of shrubs, plants, and trees within areas of excavation.

10. The contractor shall be fully responsible for any damages to existing water, wastewater, storm sewer, and traffic signal conduits. All damages shall be repaired in accordance with the City of Houston, Dept. of Public Works and Engineering, Addenda and Amendments thereto, at no cost to the City of Houston.

11. Prior to street construction, the contractor shall contact the Department of Public Works and Engineering at (Phone) 832-394-9098 or (Fax) 832-395-4424 and comply with all requirements for the issuance of necessary permits, orders, or other requirements.

12. Double reflectORIZED blue traffic markers shall be placed 6-inches offset of the centerline of all fire hydrant locations by the paving contractor. Hydrants located at intersections shall have a button placed on each street.