

ADDENDUM NO. 3

DATE: August 27, 2019

TO: All Potential Bidders

FROM: Karisa Scott, Procurement Specialist, City of Knoxville

SUBJECT: Addendum No. 3 – Cured-in-Place Pipe (CIPP) Project

BIDS TO BE OPENED: August 30, 2019, at 11:00:00 a.m. (Eastern Time)

This addendum is being published to respond to questions asked by potential bidders and to upload requested documents. This addendum becomes a part of the Contract Documentation and modifies the original specifications as noted.

Question #1: I see per the Spec, that The City of Knoxville has established a DBE goal. Is this the only goal(s) that we should try to reach?

Response: Yes, this is the only established DBE goal.

Question #2: Can the owner please let me know the specifications for the line item, Internal Void repair up to 20' in length? Is this using CIPP?

Response: The void repair method will be filling voids in the conduit with flowable fill/grouting without excavating. If the void is deemed small enough by the owner/engineer, it may be backfilled with #57 stone.

Question #3: Can the owner please let me know the specifications for the line item, Storm sewer point repair up to 20' in length? Is this by excavation?

Response: The point repair is by excavation.

Question #4: Can the owner please let us know if there are any previous bid tabs on this one?

Response: The bid tabs from our most recent project are attached.

Question #5: Can the owner please let us know the Engineer's Estimate on this one?

Response: We are not releasing this information at this time.

Question #6: The spec calls out for an LMK End Seal. Can we use Hydrotite as an equal? For 70-80% of our jobs, we use Hydrotite as an end seal. Please see attached submittal for Hydrotite.

Response: The Hydrotite seals that were submitted are NOT an approved equal for the LMK End Seals. Our specs do allow a Hydrotite product for the annular space, (Section 330130.72-A, Paragraph 3.09 B) but this isn't the same as an end seal.

Question #7: Can the owner please let us know the depth of the manholes where the point repairs have to be performed?

Response: The location/depth/amount of repairs are unknown at this time and will be evaluated during the pre-lining CCTV phase.

Question #8: Can the owner please let us know the depth of the manholes at the CIPP locations?

Response: Please see the attached pdf titled "CIPP Site Data" for approximate values.

Question #9: The spec calls out for leakage testing. Usually the condition of the CIPP lined pipe shall be determined by the post-CCTV inspection videos and is cost effective. Can the owner please make the requirement for leakage testing optional?

Response: The leak testing is only if required if ordered by the engineer/owner. We did not perform any on our last project.

Question #10: CIPP installation is currently only allowed via Water Inversion/Water Cure and Pull-in-place/UV cure. Please consider allowing Air Inversion/Steam Cure, as this method of CIPP installation has been utilized much longer than UV cure. In addition, Air Inversion/Steam Cure will generate much less cure water that must then be disposed in an adjacent sanitary sewer system.

Response: Only water and UV cured will be allowed with this contract.

Question #11: Will cure water be allowed to be disposed in an adjacent sanitary sewer system? If not, where shall the cure water be disposed?

Response: This is something that will need to be verified with the local waste water utility company (KUB). However, they have been agreeable in the past to allow cure water to be discharged to the sanitary sewer.

Question #12: The current CIPP specification indicates a design ovality of 5%. A design ovality of 2% is standard. Are there any existing conditions of the piping to be CIPP lined that are

driving this increased design ovality? Please advise. If not, please consider changing this ovality to 2%, which is the industry design standard, unless there are structural integrity concerns.

Response: This is the criteria for ovality the design engineer produced after evaluating the pipe segments and will be held at 5%.

Question #13: Will the Owner/Engineer please provide the budget for this project?

Response: No.

Question #14: Will the Owner/Engineer please provide a copy of the current plan holders list?

Response: We don't have a plans holder list since they are posted on the purchasing website.

Question #15: Will the Owner/Engineer please provide the anticipated NTP date for this project?

Response: Hopefully with two weeks of having a signed contract. However, that's impossible to estimate due to contract negotiations.

Question #16: Will the Owner/Engineer please confirm if there are any prevailing wage requirements for this job?

Response: The "2019 Highway Prevailing Wage Rates" published by the state of Tennessee do apply. They are in the specification book.

Question #17: Will the Owner please provide any information for the allowed of working hours? (e.g. 07:00 – 17:00)

Response: Per the specification book, regular work hours are from 8:00 am - 5:00 pm. Allowances can be made for non-work hours with procedures outlined in specifications.

Question #18: The pre-bid mentioned that water cured CIPP would require the Contractor to reclaim any inversion water after curing. It was also mentioned that air inversion and steam cure CIPP was not allowed. Will the Owner please reconsider the allowance of air inversion and steam curing methods? This inversion and cure have been allowed for past City of Knoxville storm projects and eliminates the need and associated higher cost with larger water reclamation activities currently specified for water cure CIPP.

Response: Please see the response to Question #10.

Question #19: On the bid schedule, line items numbers 3 & 4 list more than 1 location for CIPP. Will the Owner please define where the point repair and internal void repair are

required at each site? For example, Line item 4 contains 1 point repair & 2 void repairs. Are these located on Concord or Uppingham or on both?

Response: The internal void repair and point repair are related to the line number (pipe size) and not necessarily site locations. These are allowances for 'in case' situations and not necessarily already identified problems.

Attached with this addendum is the Bid Tab from the 2017 CIPP Project as well as CIPP site data that includes approximate values.