CITY OF HOUSTON

DEPARTMENT of Public Works and Engineering

Annise D. Parker

Mayor

Dale A. Rudick, P.E.
Director
P.O. Box 1562
Houston, Texas 77251-1562

T. 832.395.2500
F. 832.395 2480
www.houstontx.gov

Date: October 2, 2015

Subject: Letter of Clarification No. 2
Notice of Request for Qualification Revised

Reference: Invitation to Bid (ITB) No.: Q25429

To All Prospective Bidders:

This Letter of Clarification is issued for the following reasons:

- To revise the above referenced solicitation as follows:

  In Part D: Engineering Standards: Pages 8 & 9 of 14 Revised 10/02/15

Article12. Hydrant Painting

Hydrants shall be shop coated as follows. New hydrants and refurbished hydrants shall be shop coated as specified herein.

a. Exterior Above Traffic Flange (Including Bolts & Nuts)

Bolts and nuts (both above and below ground) shall conform to AWWA C-502 Section 4:11 and shall be stainless steel, cadmium plated, or zinc coated.

Surface preparation to be in accordance with SSPC-SP10 (NACE2), near white blast cleaned surface.

Coat with a liquid or powder epoxy primer and two part polyurethane or TGIC polyester top coat system with total dry film thickness (DFT) of 2-10 mils as follows:

i. Prime Coat – Liquid or powder epoxy primer with a total dry film thickness (DFT) of 4-6 mils, or cathodic epoxy electro-coat (e-coat) with a (DFT of 0.5-1.0 mils.

ii. Intermediate Coat – Intermediate coat not required.

iii. Finish Coat – Two part polyurethane enamel to be in general conformance with SSPC Paint Specification No. 36 or TGIC polyester system, with a total dry film thickness (DFT) 1.5-3.0 mils. Install color coded finish coating of bonnet in field.

Council Members: Brenda Stardig Jerry Davis Ellen R. Cohen Dwight A. Boykins Dave Martin Richard Nguyen Oliver Pennington Edward Gonzalez Robert Gallegos Mike Laster Larry V. Green Stephen C. Costello David W. Robinson Michael Kubosh C.O. "Brad" Bradford Jack Christie
Controller: Ronald C. Green

IV. Bonnet Paint – Field apply finish coat of Silicone Alkyd Resin Enamel to be in general conformance with SSPC Paint Specification No. 21. Dry Film thickness 2-3 mils. Bonnet colors are to be specified in paragraph 3.01 of FH specifications to designate the appropriate size of water supply line.

V. Colors – Primer to be, manufacturer's standard color. Finish coat of hydrant body: Federal Standard Color #15187 (Blue) or equivalent. Bonnet and Connection caps: Finished coated white. Paint white band of finish coat two (2) inches in width on hydrant body approximately six inched (6") above and parallel to traffic flange.

b. Exterior below traffic flange:

Surface preparation in accordance with SSPC-SP10 (NACE2), near white blast cleaned surface.

i. Primer: Two coats of modified polyamide epoxy primer, to be in general conformance with SSPC Paint Specification No. 42. With a total dry film thickness (DFT) 8-12 mils. Color of finish to be same as finish coat for exterior above traffic flange, i.e., blue. (Federal Standard Color #15187 (Blue) or equivalent.)

c. Interior Surfaces above and below Water Line Valve (including lower barrel extensions)

All material used for internal coating of hydrant interior ferrous surfaces below the main valve must be NSF certified as suitable for contact with potable water as required by Chapter 290, Rules and Regulations for Public Water Systems, Texas Natural Resources Conservation Commission.

Coating shall be liquid or powder epoxy system and be in accordance with AWWA Standard C-550 (latest revision). Coating may be applied in two (2) or three (3) coats, according to manufacturer's recommendations, for a total dry film thickness of 4-12 mils.

This Letter of Clarification will be considered part of the solicitation referenced above. All revisions, responses, and answers incorporated into the Letter(s) of Clarification are collaboratively from both the Strategic Procurement Division and the applicable City Department(s).

Furthermore, it is the responsibility of each BIDDER to obtain any previous Letter(s) of Clarification associated with this solicitation.

Ted Hockless

Ted Hockless
Procurement Specialist
PW&E
2805 Mckinney
Houston, Tx 77003
832.395.3644

DM:TH:th
C: file

APPLICANT'S NAME: _____

8. Hydrant Barrel

The hydrant barrel must be made of duct iron or gray iron and the lower hydrant barrel shall be fabricated as a single piece, and shall be connected to the upper hydrant barrel by means of a joint coupling that will provide three hundred-sixty degrees (360°) rotation of the upper barrel. If hydrants are made in two or more sections or other joint near the ground line the joint shall be located at least two (2) inches above the round line. The bury length shall be as specified and shall be clearly marked from the bottom of the inlet to the ground line. The ground line shall be clearly marked on the barrel. The Inside diameter wall thickness (with tolerance) is to be indicated for the upper barrel, lower barrel and bonnet section. The requested dimensions are to be shown at minimum sections to demonstrate with Table 3 of AWWA C502-05.

9. Hydrant Barrel Drain Construction

A bronze or corrosion-resistant material lined drain opening shall be provided. Tapping of drain holes is not required.

10. Gaskets and Seals

All dynamic seals shall be of "O-Ring" type not requiring adjustment for water tight seal; shall be of buna "N" or other oil-resistant material; all moving parts in contact with the seal shall be bronze or other corrosion-resistant material. Static seals shall be (with the exception of nozzle cap seals) buna "N or other approved synthetic rubber.

11. Extensions

The hydrant barrel shall be designed to permit the use of one or more standard extensions, which shall be available from the hydrant manufacturer, in lengths of from six inches (6") to sixty inches (60") Height) in six inches (6") increments.

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d. General

All coatings shall be applied in strict accordance with manufacturer's recommendation. No requirement of this specification shall cancel or supersede the written directions and recommendations of the specific coating manufacturer so as to jeopardize the integrity of the applied system.

The hydrant supplier shall furnish an affidavit of compliance that all materials and work furnished comply with the requirements of this specification and applicable standards referenced herein.