



Ghassan Korban
Commissioner of Public Works

Preston D. Cole
Director of Operations

Jeffrey S. Polenske
City Engineer

Department of Public Works
Infrastructure Services Division

June 23, 2011

Subject: Official Notice No. 126
Compressed Natural Gas Fueling Systems
Lincoln Garage (3921 W Lincoln Ave)
Northwest Garage (3025 W Ruby Ave)
Milwaukee, Wisconsin
For which bid will be received on
Wednesday, June 29, 2011 at 10:30 AM

Addendum No. 3

Gentlemen:

- A. In regards to our advertisement for the Compressed Natural Gas Fueling Systems at Lincoln Garage and Northwest Garage, this attached Addendum No. 3 is issued to modify the original documents and is hereby made part of the proposal.
- B. Each bidder shall read the entire addendum. Proposals shall include all items included in this Addendum No. 3.

Very truly yours,

Ghassan Korban
Commissioner of Public Works



Ghassan Korban
Commissioner of Public Works
Preston D. Cole
Director of Operations
Jeffrey S. Polenske
City Engineer

Department of Public Works
Infrastructure Services Division

Department of Public Works
Infrastructure Services Division

Official Notice No. 126
Compressed Natural Gas Fueling Systems
Lincoln Garage (3921 W Lincoln Ave)
Northwest Garage (3025 W Ruby Ave)
Milwaukee, Wisconsin
For which bid will be received on
Wednesday, June 29, 2011 at 10:30 AM
Addendum No. 3

IMMEDIATELY UPON RECEIPT OF THE ADDENDUM, PLEASE SIGN THIS RECEIPT AND FAX
BACK TO ISD – FACILITIES DEVELOPMENT AND MANAGEMENT SECTION AT (414) 286-5907.

Company Name

Name

Date

Official Notice No. 126
Compressed Natural Gas Fueling Systems
Lincoln Garage (3921 W Lincoln Ave)
Northwest Garage (3025 W Ruby Ave)
Milwaukee, Wisconsin
For which bid will be received on
Wednesday, June 29, 2011 at 10:30 AM
Addendum No. 3

I. The following are clarifications to obtaining the bid documents:

1. Please be sure to advise subcontractors to download all Bid Documents at: <http://www.mpw.net/bids/docs/126-2011/>. It has been brought to our attention that the online program www.isqft.com may not have all the drawings and specs that have been issued by Addendum.

II. The following are revisions to the CNG Fueling System Specifications:

1. Revise Specifications Section 22 10 13 - FACILITY FUEL PIPING Page A1 - 22 10 13 - 2

- a. Paragraph 2.1 D Revise to Read : "Chassis Grease – Carbon Steel Tube .120 Wall or Schedule 160 black pipe w/ 6000# forged steel fittings"

- b. Add the following after Subparagraphs to 2.1

"G. Lube Oil Reels – Equal to Graco

1. Series 500 Hose Reels.

H. Ball Valves – Equal to Swagelok

1. Series 60 valves."

2. Revise Specification Section 40 05 00 – PROCESS MECHANICAL PIPING AND TUBING SYSTEM as follows:

- a. Page 40 05 00-3, delete subparagraph 2.01.A.8 in its entirety as follows:

~~"8. Provide 2-inch Schedule 80 vent pipe manifold and required supports and bracketing from PSVs on each CNG storage assembly to a minimum of 10 feet above grade. Pipe unions shall be provided at each PSV to allow for easy removal and replacement of PSV. Vent stack shall have a vertical discharge with rain cap (tack welded to stack and weighted for closure) and be equipped with a drip pocket with drain valve located approximately 24 inches above grade."~~

- b. Page 40 05 00-5, revise subparagraph 2.03.B.4.b High Pressure Gas Piping- Compressed Natural Gas (CNG) Piping... as follows:

"b. Fittings for pipe < 2" diameter shall be Class 6000, ASTM A105 forged steel, socket welded."

- c. Page 40 05 00-5, revise subparagraph 2.03.B.8, as follows:

"8. Threadolet, flanges, swaged nipples, plugs and bushings shall be ASME SA105. Butt weld pipe fittings including elbows, returns and reducers shall be ASME SA234 WPB. Socket weld fittings are not acceptable."

Official Notice No. 126
Compressed Natural Gas Fueling Systems
Lincoln Garage (3921 W Lincoln Ave)
Northwest Garage (3025 W Ruby Ave)
Milwaukee, Wisconsin
For which bid will be received on
Wednesday, June 29, 2011 at 10:30 AM
Addendum No. 3

- d. Page 40 05 00-11, revise PART 3.02. FIELD QUALITY CONTROL; paragraph A. Non-Destructive Examination of Weld Joints as follows:

- "1. All welds shall be visually examined for uniform appearance and finish.
2. Small Bore Pipe Joints and Fittings: For 2-inch or under nominal pipe size gas piping with maximum operation pressure greater than 15 PSIG, connections shall be socket welded in accordance with ASME/ANSI B31.3, except that ten (10) percent random dye-penetrant examination and one hundred (100) percent visual examination are required. Each weld shall be de-scaled and internally cleaned from any welding slag. Documentation of examination shall be transmitted to the Owner within 5 working days of examination.
3. Large Bore Pipe Joints and Fittings: For over 2-inch nominal pipe size with maximum operation pressure greater than 15 PSIG, connections shall be butt welded in accordance with ASME/ANSI B31.3 except that ten (10) percent random dye-penetrant examination and one hundred (100) percent visual examination is required. Each weld shall be de-scaled and internally cleaned from any welding slag. Documentation of examination shall be transmitted to the Owner within 5 working days of examination.
4. Pipe spool sketches referenced to each X-ray to allow later identification of a particular X-ray to a particular weld must be provided along with X-ray reports and films. Sketches must also identify welder that performed each weld.
5. Thread-o-lets and weld-o-lets must be die penetrant or mag particle tested."

III. The following are revisions to the CNG Fueling System Drawings:

1. Revise 10-AS-04 as follows:
 - a. Equipment Roof Curb Detail – Add general note: "Roof curbs specified under HV equipment".
 - b. Roof Plan – Add general note "Review 10-H-03 for existing equipment removal and areas requiring patching."
 - c. Roof Plan – Add general note "Review 10-H-05 for new HV equipment and resulting roofing work. Provide roof manufacturers flashing, boots, etc, required for the equipment installation condition as generally indicated on Sheet 10-H-06".
 - d. Roof Plan – Add general note: "Provide L5x3x1/4 LLV angle support at perimeter of roof openings and at all locations where new steel framing and equipment supports bear on existing steel roof deck. Cope angle and field weld to existing steel roof beams as required. Coordinate and verify location of angle supports with mechanical drawings. Submit proposed angle location and attachment details for approval by engineer. Purlins run north-south at approximately 6'-0" o.c. and main beams run east-west at approximately 30'-0" o.c. – see building sections for information."

Official Notice No. 126
Compressed Natural Gas Fueling Systems
Lincoln Garage (3921 W Lincoln Ave)
Northwest Garage (3025 W Ruby Ave)
Milwaukee, Wisconsin
For which bid will be received on
Wednesday, June 29, 2011 at 10:30 AM
Addendum No. 3

2. Revise 10-H-06 as follows:

- a. Add general note: "All equipment curbs and supports are provided by the HV subcontractor."
- b. Add general note: "Pipe supports for Utility Fan (detail 6/10-H-06) to be round members."

3. Revise 99-SM-01 Detail 06-020 as follows:

All vent to atmosphere manifold and piping components for CNG Storage Vessel 3-Pak Assembly shall be furnished and assembled by ANGI per ANGI Drawing S01-80-002 for installation in field by CONTRACTOR.