

GUC CNG VEHICLE REFUELING STATION

Greenville Utilities Commission of the City of Greenville, NC

Purpose of Addendum:

- 1) Answer proposer's questions

Amended Section: As listed below. Responses follow the bidder's question.

Specification Section: 18000-1.02.A

Question: Are items 3-5 listed correctly? Usually the contractor bids the project and hires/employs a PE. The equipment supplier generally provides equipment to the contractor, unless bidding equipment direct.

Response: *The contractor will need to hire a NC PE for design and permitting. If this permitting requires that equipment drawings must also be stamped—this shall be by a NC PE.*

Specification Section: 18000-1.05.A/B

Question: The specified compressor offers low capacity and does not require much piping, therefore we do not have isometric drawings of the piping. We can offer 2-D drawings of the inlet pipe section, will this be acceptable?

Response: *This requirement extends only to fabricated piping (not tubing) sections where welds are to be documented. These isometric drawings can be stick drawings not shop drawings.*

Specification Section: 18000-2.03.A.1

Question: Will you accept our standard paint finish of 4 mil thickness with primer and a 2-part urethane top coat?

Response: Yes.

Specification Section: 18000-3.03.A.5

Question: Please define third party requests. These tests can add \$5000 to \$25000 to a project.

Response: *This third party testing is only required if required by an Authority Having Jurisdiction (AHJ). The Owner is not requiring these tests and the Owner is not aware of any AHJ testing required.*

Specification Section: 18000-3.04.B.1.c

Question: Should the factory training include any travel costs for the 2 designates?

Response: *No—the Owner will cover the travel costs.*

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ISSUED: May 26, 2011

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Specification Section: 18150-2.01.A.5

Question: Request Fischer brand regulator as equal to Kimray.

Response: *Fisher is accepted as an equal to Kimray in this project.*

Specification Section: 18150-2.02.C

Question: Request Loctite brand sealant as equal.

Response: *Loctite thread sealant is considered as equal to Swagelok.*

Specification Section: 18150-2.02.E

Question: Will you accept bronze material for drain valves?

Response: *No—drain valves are to be steel or stainless steel. Low pressure drain valves (upstream side of the compressor) can be stainless steel commodity ball valves.*

Specification Section: 18150-2.02.F.1.a

Question: Will you accept valves with NPT ports using the appropriate fittings?

Response: *No—there should be no need for threaded valves. If threads are required, the Contractor can use male or female threaded adapters.*

Specification Section: 18150-2.02.H

Question: Request KF brand valve as equal.

Response: *KF is accepted as an alternative to Tyco. The valve style is still required to be spec. compliant.*

Specification Section: 18150-2.02.I

Question: Request Hoke CVH brand valve as equal.

Response: *Hoke CVH is acceptable.*

Specification Section: 18150-2.02.J

Question: Request Hoke and Milwaukee brand valves as equal.

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Response: *The valves must be robust design with replaceable soft seats. The bidder did not indicate a model or provide cut sheets so at this time, the specification requirements stand.*

Specification Section: 18150-2.02.H (18150-2.02.L)

Question: Request AST brand (UL listed) transducer as equal.

Response: *It is assumed that this refers to 18150-2.02L. This section provides several options and the bidder did not provide cut sheets to evaluate so the specification requirements stand.*

Specification Section: 18150-2.03.B

Question: Request ASTM A269 SS tubing as equal.

Response: *ASME A269 will be acceptable, however it must meet all other requirements—Seamless, cold drawn, bright annealed, TP 316.*

Specification Section: 18150-2.03.B.13

Question: Request fittings under ½” to be Gyrolok and ½” and greater to be Seal-Lok. This is our standard design; by releasing standards, we can offer a lower price.

Response: *The base bid should be Swagelok or a combination of Swagelok and Seal-Lok. Please see the general comment at the bottom of this response re alternatives.*

Specification Section: 18150-2.03.D.1

Question: Request ASTM A269 SS tubing as equal.

Response: *ASME A269 will be acceptable, however it must meet all other requirements—Seamless, cold drawn, bright annealed, TP 316.*

Specification Section: 18150-2.03.E.4

Question: Request ORFS Seal-Lok as equal.

Response: *Acceptable.*

Specification Section: 18150-2.03.F.1

Question: 60 gallon receiver seems oversized for valve control. Suggest smaller receiver or pipe manifold?

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Response: *The 60 gallon size was selected as it is the smallest standard air receiver and is very inexpensive. Smaller tanks would be considered with a minimum size of 5 gallons.*

Specification Section: 18150-3.01.B

Question: Is this section for site work?

Response: This section is applicable to both site and factory work.

Response: *If alternative approved welding procedures are proposed, these must be in accordance with ASME Section IX.*

Specification Section: 18150-3.01.C.1.a

Question: Should this Professional Engineer be licensed in NC? This data is commonly gathered in our Factory Acceptance Test (FAT) binder for our ISO Quality Management system. Will you accept our ISO certification, which is audited annually by a third party service, as replacement for a PE signature?

Response: *The Owner will accept the in-house ISO certified testing program. The NC PE is required only if required by AHJ.*

Specification Section: 18150-3.01.C.4/5

Question: Is this section for site work? The only pipe used on compressors with this capacity compressor is at the inlet valve and filter; these connections are threaded.

Response: *This section applies to both site work and factory work, if the pipe is required to be welded by the specification.*

Specification Section: 18160-1.01.A.9

Question: Will you accept lighted pushbuttons in lieu of additional inputs on the PLC?

Response: Yes.

Specification Section: 18160-2.01.G

Question: Request Scott brand gas detector as equal.

Response: *Scott is acceptable if the model meets all of the specified performance requirements.*

Specification Section: 18160-2.02.C

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Question: Is 10 KAIC acceptable.

Response: *The contractor will need to confirm the actual requirements during the design phase. It is expected that the Contractor will need higher KAIC ratings (than 10 KAIC) on the 480 V breakers.*

Specification Section: 18160-2.02.H

Question: Standard shielded cable is 22 ga.

Response: *Shielded cable is standard in many gauges. Bidders are required to follow the specification.*

Specification Section: 18160-2.02.L

Question: Please specify the seismic requirement for Greenville, NC.

Response: The area is in seismic zone "1" with a seismic shake factor is "2 to 4" and there are no special seismic design considerations.

Specification Section: 18520-2.01.K.4

Question: Request to use common valve for filter drains.

Response: *There is not enough information to respond to this question.*

Specification Section: 18520-2.01.M.2

Question: Will you accept our heat exchanger that does not accept plugs?

Response: Yes.

Specification Section: 18520-2.01.Q.2

Question: No electrical room?

Response: *No electrical room is required for this package.*

Specification Section: 18540-2.01.A.2

Question: Is a dedicated priority PLC acceptable? It can connect to other PLCs via Ethernet.

Response: *This is acceptable; but the specification does not require this additional PLC.*

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Specification Section: 18540-2.01.A.2/6

Question: It is not cost effective to build a ¾" priority panel. Shall I quote 1" or ½"? Is there a future flow rate to target?

Response: *If the bidders cannot bid the ¾" panel, they should bid a 1" panel. This panel is sized to provide (relatively) high flow fueling to a small number of large vehicles. It is expected that this system would reach peak flow rates of 3000+ scfm with large vehicles.*

Specification Section: 18540-2.01.C.2

Question: What is the existing fuel management system?

Response: The existing fuel management system is a Veeder-Root; however, Owner is open to proposals including systems from other vendors.

Specification Section: 18540-2.01.C.4.b

Question: Our dispensers require a regulator for a 3000 psig hose/nozzle. Will this be an upgrade kit?

Response: *Bidders are not required to provide a regulator—this can be a future upgrade if the Owner finds a need to fuel 3000 psig vehicles—this is not currently considered likely.*

Specification Section: 18540-2.01.C.11

Question: 20 foot hoses *will* contact the ground. Will you require a protective sleeve on the hose?

Response: *Hose cannot touch the ground by code.*

Specification Section: 18540-2.01.D.1

Question: We do not build a ¾" dispenser; will you accept a 1" instead?

Response: Yes.

Specification Section: 18540-2.01.D/E.16

Question: Will you accept lighted pushbuttons in lieu of additional inputs on the PLC?

Response: Yes

Specification Section: 18540-2.03.B.4.c

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Question: Our standard hose length is 10.5 ft. Do you want a double retractor system to allow a 20 ft. hose to not contact the ground?

Response: *Yes—the final hose length will be determined during submittal review but the dispenser must be capable of handling hoses up to 20 feet.*

General Comments – as discussed during the Pre-Proposal Meeting:

Bidders must bid a specification compliant package in their base bid. If they wish to show alternatives that may reduce price, or enhance performance or reliability, this should be provided as an alternative with the cost impact indicated.

Please acknowledge receipt of this Addendum in the appropriate location in Section E – Price Proposal.