



690 Chesterfield Pkwy W • Chesterfield MO 63017-0760
Phone: 636-537-4000 • Fax 636-537-4798 • www.chesterfield.mo.us

**City of Chesterfield Compressed Natural Gas
Fleet and Fueling Facility
2016-PW-05, CMAQ-5410(627)
Bid Package #2A, #2B, #2C and #2D**

Addendum Number 001

Date: February 17, 2017
Issued to: All Bid Document Holders of Record

This addendum forms a part of the bid packages described above. The original Bid Documents and any prior addenda remain in full force and effect as modified by the following that shall take precedence over any contrary provisions in the prior documents.

A. The following Bid Package #2A item is issued for clarification and are hereby made a part of the bidding documents:

1. Instructions to Bidders, Section IB-4, Sheet IB-4
 - a. Paragraph 4.3.2 is replaced in its entirety as follows:

All copies of the Bid and any other documents required to be submitted with the Bid shall be enclosed in a sealed envelope. The envelope shall be addressed to the City of Chesterfield, 690 Chesterfield Pkwy W, Chesterfield, Missouri 63017-0760, Attention: Chris Krueger. The envelope shall be identified with "Chesterfield Compressed Natural Gas Fleet and Fueling Facility, Bid Package #2A", "Project Number 2016-PW-05", "Federal Project Number CMAQ-5410(627)", along with the Bidder's name and address, and if applicable, the designated portion of the Work for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope shall be enclosed in a separate mailing envelope with the notation "SEALED BID ENCLOSED" on the face thereof.

B. The following clarification is provided for all Vehicle Bid packages, #2A through #2D:

Bidders may wish to take exception to or have alternate specifications they wish to the Vehicle Specifications. All Bidders are directed to Specification Compliance Form, Sheet BF-3 for each Bid Package. Any and all exceptions that the Bidder wishes to make to the Specification shall be documented as noted in on the Specification Compliance Form in order for the Bid to be considered complete and responsive.

C. The Pre-bid Meeting Agenda is attached for reference.

END ADDENDUM NUMBER 1



Pre-Bid Meeting

Bid Package #2A to #2D – CNG Vehicles

2016-PW-05

CMAQ-5410(627)

February 14, 2017
9:00 AM
Public Works Facility

GENERAL ITEMS

- Attendance Sheet
- Project Overview
 - Bid Package #2A – CNG Light Duty Class 3 (1 Ton) Trucks
 - 2 Bi-Fuel (CNG/Unleaded)
 - Bid Package #2B – CNG Medium Duty Class 5 (1.5 Ton) Trucks
 - 3 Bi-Fuel (CNG/Unleaded)
 - Bid Package #2C – CNG Medium Duty Class 7 (2.5 Ton) Trucks
 - 7 Dedicated CNG
 - Bid Package #2D – CNG Light Duty Class 2b (1 Ton) Cargo Van
 - 1 Dedicated CNG
- Project Contact
 - Chris Krueger, PE
 - City of Chesterfield
 - Submit questions in writing to ckrueger@chesterfield.mo.us

BIDDING AND AWARD

- Schedule
 - Bids Due and Bid Opening: 10:00am February 22, 2017
 - **All Bids due to Chesterfield City Hall, 690 Chesterfield Parkway West, Chesterfield, MO 63017**
 - Project will be awarded to the lowest, responsive, and responsible bidder with MoDOT Concurrence
 - Notice of Award/Proceed: Tentatively March 13, 2017 (pending MoDOT Concurrence/City Council Approval)
- Bid Submittal
 - Federally funded project
 - MoDOT's Pre-qualification is waived.
 - Buy American Requirements – Waived, However, See Section IB-7 of Invitation to Bidders

Bid Package #2A to #2D CNG Vehicles
2016-PW-05, CMAQ-5410(627)
February 14, 2017

- Checklist
 - Bid Form
 - Specification Compliance Form
 - List of Resources and References
 - List of Proposed Vendors or Suppliers
 - Certificate of Non-Segregation
 - Anti-Collusion Affidavit
- Any addenda will be e-mailed, posted to MoDOT's bidding website and the City's website, you will be asked to confirm receipt of any and all addenda on the bid form
- Payments
 - The Vendor shall submit the invoice directly to the City of Chesterfield.
 - Payment will be made until all items listed on the invoice are received complete (after delivery, inspection, and acceptance of each CNG Vehicle). No upfront or partial payment will be made.

QUESTIONS



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**City of Chesterfield Compressed Natural Gas
 Fleet and Fueling Facility
 2016-PW-05, CMAQ-5410(627)
 Bid Package #1**

Addendum Number 001

Date: February 17, 2017
 Issued to: All Bid Document Holders of Record

Bidders should acknowledge receipt of Addendum 001 (ONE) by signing and including it with the original bid. The due date for receipt of bids has not changed by this Addendum; the due date is February 22, 2017 10:00 AM Central Time. Accordingly, the following clarifications, and or additional information, are believed to be of general interest to all potential bidders. All other terms and conditions remain unchanged and in full force.

Name and Title of Signer (Print or Type)	Name and Title of Department Authority Chris Krueger, Senior Civil Engineer City of Chesterfield
Contractor / Offeror Signature <hr/> (Signature of person authorized to sign)	 <hr/> (Authorizing Signature)
Date Signed:	Date Signed: 2/17/2017

Contract Book:

Job Special Provision C: Utilities:

Please note that Ameren UE will provide a precast concrete transformer pad for the ground mounted transformer. The Contractor shall pick up the precast pad at the UE Dorsett Facility in Maryland Heights and deliver to the site. The precast pad will be set on 4" of compacted aggregate base as shown on plans. Also, please note that the secondary conduits and conductors from the precast transformer to the main panel in the electrical room are part of this project, and will not be installed by Ameren UE.

Job Special Provision K: Concrete Block Storage Bin Removal:

Please note that the existing concrete blocks in the City yard that are noted to be relocated shall be moved to another location in the storage yard away from the work limits of the CNG station construction. The Contractor shall notify the City in advance to determine a suitable location for the concrete blocks for storage.

Job Special Provision M: Site Grading:

Please note that this provision already includes the ability for the Contractor to store and stockpile excess topsoil or native soil within the project limits. Also, the geotechnical report included with the project manual indicates the presence of no contaminated soil. The project area is located on native ground, with no previous improvements.

In addition, the CAD files of the topographic survey of the project site can be downloaded for reference from Dropbox at this following shared link:

<https://www.dropbox.com/sh/erdjcr4aepqicw/AACnWhgsnmdBIUu7JgujOPXDa?dl=0>

Job Special Provision O: CNG Station Components and Construction Requirements:

1. Please note that the conduit runs to be installed in the interior ceiling of the Fleet Maintenance Building can be ran using EMT (Electrical Metallic Tubing) in lieu of Rigid Tubing.
2. Please note that electrical conduits runs are allowed under the floor slab of the electrical control room for the CNG station. Also, please note that the future conduits shown on the plans are for reference only. We will set an exterior box on the west face of the electrical room with the conduits stubbed into this raceway thru the wall for those future extensions only.
3. Please note that the Main Electrical Panel contains two 400amp breakers for the 250hp motor controllers. This is based upon use of a 250hp motor that has a 277amp rating. If the Contractor elects to supply a 250hp motor with a 302amp rating, then 500amp breakers will be required.
4. Please note that the ESD system is designed to operate with a loop circuit into the Site Control Panel that will contain ESD jumpers. That way any button in the system that is pushed will break the circuit, and shut down the entire station.

5. Please note that a grounding grid will not be required for this project, but individual 5/8" x 8' long ground rods will be set as indicated on plan sheets M3, M4, M6, M7, M11 and M27. In general, the inlet dryer, compressor skid, and storage tubes will have ground rods set on opposite corners of the pads, and the other components will have individual ground rods set as indicated on the plans. Sheet M13 indicates we anticipate the use of 20 ground rods for the entire CNG station and its electrical systems.
6. Please note that a NEMA 3R enclosure for the Priority Panel and Valve Panel will be allowed in lieu of a NEMA 4X enclosure.
7. Please note that for the Compressor control package, an Allen Bradley based remote I/O unit controlled by the Site Controller will be accepted as an alternate to the Murphy Centurion arrangement. Please also note that an HMI unit will still be required on both the compressor skid and in the Site Controller.
8. Please note that SVF and Oasis style ball valves will be considered as equals and are subject to submittal approvals. Please also note that Rosedale Filter Housings will be considered as equals and are subject to submittal approvals.
9. Please note that the fast fill Dispenser shall have one 3/8" diameter hose with a NGV1 (1/2" connection) nozzle and one 1/2" diameter hose with a NGV2 (3/4" connection) nozzle. In addition, the City of Chesterfield will need a Petrovend K800 Chip Key Reader adjacent to the fast fill Dispenser, and at the new security gate access, which will communicate with the existing OPW FSC3000 Fuel Controller in the Fleet Maintenance Office.
10. Please note that Stainless Steel connections on CNG based systems (not instrument air) for 3/4" and larger tubing shall be of a O-ring face seal style (Parker Seal-Lok or equal). Stainless Steel connections for 1/2" tubing is preferred to be of a O-ring face seal style. Stainless Steel connections for smaller than 1/2" tubing can be of a double ferrule style connection. The use of Gyro-lok fittings will be considered as an equal upon review and approval of submittals.
11. Please note that the CNG compressor cooler will require stainless steel tubing on only the final stage portion of the system. The other cooling stages can be comprised of carbon steel piping. Please also note that the compressor skid shall contain stainless steel tubing on all final discharge pressure lines. The other piping on the skid shall be rated in accordance with the compressor stage they are servicing.

Clarifications:

1. The Pre-Bid Meeting Agenda is attached for reference.

END ADDENDUM NUMBER 1



Pre-Bid Meeting

Bid Package #1 – CNG Fueling Station

2016-PW-05

CMAQ-5410(627)

February 14, 2017
10:00 AM
Public Works Facility

GENERAL ITEMS

- Attendance Sheet
- Project Overview
 - Construction of a fast-filled compressed natural gas (CNG) fueling facility including site work, equipment for drying, compressing, storing, dispensing, and managing fuel.
- Project Contact
 - Chris Krueger, PE
 - City of Chesterfield
 - Submit questions in writing to ckrueger@chesterfield.mo.us

BIDDING AND AWARD

- Schedule
 - Bids Due and Bid Opening: 10:00am February 22, 2017
 - **All Bids due to Chesterfield City Hall, 690 Chesterfield Parkway West, Chesterfield, MO 63017**
 - Project will be awarded to the lowest, responsive, and responsible bidder with MoDOT Concurrence
 - Notice of Award: Tentatively March 13, 2017 (pending City Council schedule)
 - Required submittals – See Bidder Checklist
 - Notice to Proceed: Tentatively April 3, 2017
 - Time of Completion 180 calendar days (September 29, 2017)
- Bid Submittal
 - Federally funded project
 - Prevailing Wage
 - MoDOT's Pre-qualification is waived.
 - 10-Hour OSHA
 - DBE: 4% participation goal
 - Buy American Requirements – Waived, However, See Section 12 of Notice to Contractors

- See the Bidder's Checklist in the Bid Packet
- Any addenda will be e-mailed, posted to MoDOT's bidding website and the City's website, you will be asked to confirm receipt of any and all addenda on the bid form
- Bid Quantities are approximate and are subject to change during construction.

CONSTRUCTION

- Neighboring Properties:
 - The City, as always, wants to keep the inconveniences and safety hazards to the project's neighbors to a minimum. All excavations will need to be barricaded when unattended and storage areas will need to be kept clear.
 - Keep trash picked up and don't have after work gatherings in the area.
- Work Areas/Phasing
 - Unless prior notice is given to the City of Chesterfield, access to the storage area shall remain open at all times.
 - The contractor shall submit to the City an anticipated work schedule showing finish dates of milestones throughout the project. If the contractor would fall behind according to this schedule, and revised schedule approved by the City will be required.
- Permits/Agency Coordination
 - The contractor is responsible for coordination and obtaining all permits required for the completion of the fueling station.
 - St. Louis County – Building Permit
 - Fire Department – Fire Permit
 - Floodplain Development Permit – Issued by the City of Chesterfield
- Utilities
 - Ameren UE - New Service Pole to be installed on east side of site to provide electrical service to the Fueling Station.
 - Spire Energy (Laclede Gas Company) - Gas Main Extension and service line to be installed along the west property line to provide gas service to the Fueling Station.
 - Contractor responsible for notifying Missouri One-Call.
- Payments
 - The City's site inspector, EFK Moen/Small Arrow Engineering, is required to make measurements of all work performed. It is highly recommended that the contractor meet with the inspector each day payment items are complete to verify the measured quantities.
 - The Contractor will prepare monthly pay estimates for the City to review/approve.
 - Pay Estimates will need to be accompanied by the following at a minimum:
 - Partial lien waivers

Bid Package #1 – CNG Fueling Station
2016-PW-05, CMAQ-5410(627)
February 14, 2017

- Certified payroll

- Work Hours
 - Work hours are limited to between 7:00 am and 6:00 pm Monday through Friday.
 - Work hour restrictions include deliveries and loading/unloading equipment.

- Clearing and Grubbing/SWPPP
 - Trees to be removed as shown on Sheet C02.
 - The Contractor is responsible for silt fence installation, maintenance, and removal as shown on the SWPPP Sheet C05.

- Testing and Inspection
 - EFK Moen/Small Arrow Engineering will provide construction inspection and is responsible for materials testing.

QUESTIONS