

INVITATION FOR BID  
FOR  
NATURAL GAS PIPELINE TRANSMISSION PROJECT  
BID NUMBER 051916  
FOR  
CITY OF SOCORRO, NEW MEXICO



City of Socorro  
111 School of Mines Rd.  
Socorro, New Mexico 87801

ISSUE DATE: April 28, 2016

DUE DATE: May 19, 2016

## **Overview**

The City of Socorro, New Mexico (City) currently receives its natural gas through a City owned 4-inch natural gas transmission pipeline. The length of the pipeline is approximately 38 miles in length and has a maximum allowable operating pressure (MAOP) of 400 psig. The City receives its natural gas from the Kinder Morgan station located west of Belen, New Mexico.

The City has experienced growth over the years and during periods of cold weather must curtail certain customers in order to maintain natural gas service to its residential customers. The immediate solution is to increase the MAOP of the 4-inch pipeline from 400 psig to 525 psig. However the existing 4-inch transmission pipeline has valves and other components that restrict increasing the MAOP.

To remedy this situation, all of the valves and other components will be replaced with new valves and components that are rated to ANSI 300 (740 psig). In addition the station at the beginning of the 4-inch transmission pipeline (Belen Station) plus the station at the end (Lopezville Station) and the four (4) valve settings in between will be modified to be in compliance with current federal pipeline safety regulations (49 CFR Part 192). These modifications require that all natural gas transmission pipelines be capable of internal inspection using tools called "smart pigs". The above project must be done while the pipeline is in service.

Other components at the following locations will be changed out with higher rated valves. These locations are: Dairy Tap, Duke Lane, Lemitar Cotton Gin, and Eagle Pitcher. Two new taps and regulator stations will be installed at San Acacia and Middle School. An above ground span located north of San Acacia will also be buried.

The start date for construction is scheduled for early July 2016 with completion scheduled for mid August 2016.

## **Scope/Specifications**

Only the following manufacturers will be considered:

TD Williamson  
Dresser Blackhawk  
Weldfit

Pipeline Size – 4.5 –inch OD

### **LINE STOP FITTING**

Fitting Size: 4-inch – Size on Size – Split Tee Design  
Design Code: ASME B-31.8

Design Factor: 0.5  
Design Pressure: 600 psig  
Design Temperature: 100° F  
Corrosion Allowance: 0.000-inches  
Split Tee Material: ASTM A234-WPB or equal  
Flange Material: ASTM A105, B16.5 or equal  
Service: Natural Gas  
Beveled Ends where welding occurs  
Backing Strips Required

The Flange on the fitting shall have embedded segments capable of engagement into a groove on the Completion Plug.

#### **BLIND FLANGE KIT**

Flange Size: 4-inch  
ANSI Rating: 300 lb.  
Face Type: Raised Face (RF)  
Flange Material: ASTM A105 or equal  
Gasket Size/Type: 4-inch Spiral Wound  
Gasket Material: 304SS with Graphite  
Fasteners: 8 studs with 2 hex nuts  
Fastener Material: A193-B7 &A194-2H

#### **COMPLETION PLUG ASSEMBLY**

Size: 4-inch with Scarfed Nipple  
ANSI Rating: 300 lb.  
Plug Material: A516-70 or equal  
O-Ring Material: Buna-N

Completion Plug must be equipped with a pressure equalization system for removal.

#### **PURGE AND EQUALIZATION FITTING**

Size: 2-inch with threaded cap  
Body Material: Seamless ASTM A333 Grade 6 or equal  
Pressure Rating: ANSI 300

Completion Plug: Brass, threaded with Buna-N O-Ring and connection for installation with most standard plugging machines.

Please submit your bid based on the following quantities. Please submit unit costs and total cost for each. Please state the method of shipping and estimated cost. Finally include estimated delivery time including shipping time.

Delivery address for material is:

City of Socorro  
 Gas Department  
 3000 NM State Road #1  
 Socorro, New Mexico 87801

Description	Quantity	Price/each	Total Cost
4-inch Line Stop Fitting	20		
Blind Flange Kit	20		
Completion Plug	20		
Purge & Equalization Fitting	12		
Total Cost			
Estimated Shipping Cost			
Estimated Delivery Time including Shipping			

## **Procurement**

Bids will be accepted until 11:00 a.m., May 19, 2016.

Any proposals received after the above date and/or time will be returned unopened. All proposals must be clearly marked RFP "051916" on the lower left corner of the envelope. The proposer shall assume full responsibility for the timely delivery of the Proposal. Any Proposal not clearly marked RFP "051916" will be disqualified.

The envelope shall be addressed to:

City of Socorro  
Leopoldo (Polo) Pineda, Jr.  
Chief Procurement Officer  
Post Office Drawer K  
111 School of Mines Rd.  
Socorro, New Mexico 87801

Any questions related to this Proposal should be addressed to Jay Santillanes, Utilities Director at 505-440-6119.