

**“Request For Bids” – FY 15/16 CAMINO CAPITAN, VEREDA RODIANDO, PASEO DE TULAROSA AND PASEO DE CANTO WATER MAIN REPLACEMENT, CIP #3050
RFB #16/02/B**

October 02, 2015

Addendum No. 1 – Clarifications and answers to questions following the Mandatory Pre-Bid Conference held October 2, 2015.

Project Manager & Water Division Engineer: Bill Huey, (505) 955-4273

At the beginning of the meeting the engineer passed out a revised “Fixed Unit Price Schedule”, RFB sheet page 22 and “Section 01025, Measurement and Payment” RFB sheets 104 to 107. All parties shall use these documents to submit their bids. Attached to the end of the Questions and Answers will be the Contractor Sign-In Sheet and the new “Fixed Unit Price Schedule” and “Section 01025 Measurement and Payment” to be used to submit your Bids.

The following are the questions that were raised and answered during the Pre-Bid Meeting.

Question 1: How many days are allowed under the contract?

Answer: Ninety (90) days, calendar days after Notice to Proceed is issued.

Question 2: Due to the construction of this project being in late Fall and Winter, what will be the likely asphalt availability?

Answer: Since there are two (2) asphalt plants in Santa Fe, it is expected that asphalt will be available during the construction time of this project. The Water Division routinely re-paves street sections during the winter and is able to procure asphalt. The asphalt plants are not open every day, but they are open periodically. The Water Division will work with the Contractor if there is a delay in procuring asphalt, as long as the trench has been properly backfilled with road base.

Question 3: Do we have an Engineer’s Estimate for this project and can it be released?

Answer: Yes one has been produced, but it is not for the public.

Question 4: Will domestic materials be required for this project?

Answer: No. The Water Division would prefer to use domestic materials, but cannot require their use.

Question 5: How is the Contractor to dispose of Excess materials?

Answer: Disposal of excess materials will be the responsibility of the Contractor. The City does not have a location suitable for excess material disposal.

Question 6: Where is the Contractor to get water for this Contract? Will they be able to use a fire hydrant?

Answer: No potable water will be available from the City for use during construction. The Contractor may not use water from a Fire Hydrant. The City of Santa Fe sells reclaimed waste water for construction use. Reclaimed wastewater is currently selling for \$3.37/1,000gallons from the Wastewater Division at 73 Paseo Real.

E-mailed Questions:

Question 6: Will Domestic Material be required for this project?

Answer: See answer to question 4.

Question 7: Exhibit II Technical Specs Section 01010 – 1.02 B states that all pipe will be poly-wrapped Ductile Iron while the bid items call for PVC. Which will be required?

Answer: All piping will be poly-wrapped Ductile Iron as shown on the new “Fixed Unit Price Schedule” and accompanying “Section 01025 Measurement and Payment”.

Question 8: Spec Section 01025-1.03B Measurement and payment Bid Item #s do not match the provided Bid Tabs on page 22 of Bid Docs. Please Clarify.

Answer: This has been handled by the replacement of the Bid Tab and Measurement and Payment Section. Use the new Fixed Unit Price Schedule and Section 01025 to figure your Bids.

Question 9: On the plan sheet there are two call outs for 4” Blow-off Assemblies. SDCWD Standard 26 Shows blow offs as 2”. Which size will be required?

Answer: As shown on Drawing Sheet No. 15, the Construction Drawing, both Blow-off Assemblies are to be a four-inch (4-inch). They are to be made in the same “way” as the SDCW Standard, but with larger piping and valves, due to the larger amount of piping that they serve.

Question 10: Bid Item 285 shows a qty. of (4) 2” CL125 Gate Valves. These are not shown in the drawings please clarify.

Answer: This has been handled by revision of the Fixed Unit Price Schedule and Section 01025.

Question 11: Bid item 290 Shows a qty. of (2) 4” CL125 Gate Valves. These are not shown in the drawings please clarify.

Answer: See answer to question 10.

Question 11: Will there be any boring on this project?

Answer: No, there will not be any boring on this project.

FIXED UNIT PRICE SCHEDULE

BID ITEM	DESCRIPTION	UNIT	EST. QTY.	UNIT PRICE	AMOUNT
75	4" DI Water Main, >100'	LF	250	\$	\$
85	6" DI Water Main, >100'	LF	1,860	\$	\$
95	8" Water Main, >100'	LF	2,750	\$	\$
155	Imported Backfill (as SDCW Approved)	CY	1,000	\$	\$
205	4" Joint Harness	EA	13	\$	\$
210	6" Joint Harness	EA	120	\$	\$
215	8" Joint Harness	EA	83	\$	\$
267	Tapping Sleeve w/ Tap, 14" X 6"	EA	1	\$	\$
269	Tapping Sleeve w/ Tap, 14" X 8"	EA	1	\$	\$
275	Non-Pressurized Connections, 4"-10" line	EA	5	\$	\$
320	4" CL250 Gate Valves, as shown on Sheet No. 15.	EA	4	\$	\$
325	6" CL250 Gate Valves, as shown on Sheet No. 15.	EA	15	\$	\$
330	8" CL250 Gate Valves, as shown on Sheet No. 15.	EA	6	\$	\$
345	Fire Hydrant, 5' or less bury	EA	7	\$	\$
365	Fire Hydrant Remove & Return	EA	7	\$	\$
405	Valve Box	EA	27	\$	\$
530	Asphalt Pavement Removal & Disposal, <2"-6"	SY	2,000	\$	\$
555	Replace City Street Pavement w/o Laydown Machine, Virgin Asphalt	SY	2,000	\$	\$
710	Service Transfer, 3/4"	EA	93	\$	\$
745	Service Saddle, 3/4" Tap, 4"-12" Main	EA	93	\$	\$
765	Service Tubing, 3/4"	LF	500	\$	\$
800	Traffic Control, Invoice Cost Plus Mark-up	LS	1	\$	\$
9950	Poly Wrapping DI Pipe, Average	LF	4,860	\$	\$
Total Bid Items 75 – 9950					\$
NMGRT					8.3125 %
TOTAL BID					\$

TOTAL BID AMOUNT: _____

The City reserves the right to alter quantities based on availability of budget. If this will alter the bid amount, the bidder must note the percent increase for lesser quantities.

**SECTION 01025
MEASUREMENT AND PAYMENT**

1.01 SECTION INCLUDES

- A. General requirements for measurement and payment of bid items.
- A. Description of bid items.

1.02 GENERAL

- A. The total base bid price and alternate bid price shall cover all work required by the contract documents for construction of a completely functional and operational facility. All costs, including mobilization and demobilization, bonds, licenses, furnishing all materials, equipment, supplies, and appurtenances; demolition and disposal of debris in accordance with all applicable laws and regulation; providing all construction plans, equipment, and tools; and performing all necessary labor and supervision to fully complete the work in accordance with these contract documents, shall be included in the unit and lump sum prices bid. All work not specifically set forth as a pay item in the bid proposal shall be considered a subsidiary obligation of Contractor and as such, all costs in connection therewith shall be included in the prices bid.

1.03 MEASUREMENT AND PAYMENT

- A. All measurements and payments will be based on completed work performed in strict accordance with the specifications and in accordance with contract-unit prices and schedule of values. Incidental work and items not listed in the contract-unit price schedule will not be paid for separately, but will

be included in the payment for the listed item or items to which such incidental work applies. Measurement and payment for lump sum items shall be full compensation for all labor, equipment, materials, testing, and incidentals necessary to perform the work in accordance with these contract documents, and shall include all incidentals not provided under other items.

B. Item numbers listed below correspond directly to bid item numbers in the bid form:

Bid Items No. 75, 85 & 95 – Water Main [with Fittings]

Payment for water main shall be made at the unit price per linear foot of each diameter and type of pipe, as measured along the pipe center line from center of fitting to center of fitting. Work shall include construction staking, excavating trench up to six feet in depth, installing pipe at depth shown on plans, fittings, restraints, mechanical joints, harnesses, blocking, jointing and coupling materials, **installing polyethylene wrap (as per ANSI/AWWA C105/A21.5 standard) on all buried ductile iron pipe, fittings and valves (including fittings and valves installed with PVC pipe)**, installing locating wire and marker tape, backfilling and compacting, testing soil density, testing hydrostatic pressure, flushing, disinfecting, testing potability and as-built record of finish pipeline grade (Contractor to furnish record drawings to Owner), and any other incidental items required to complete the Work including all work and materials required for retiring the existing water mains including but not limited to retiring pipe, valve and valve box removals. Note that the linear feet is only an estimate, the actual number may be higher or lower and will be paid by the actual lengths installed. Payment for Joint Restraints will be made under the proper Joint Harness Bid Item.

Bid Item No. 155 – Imported backfill (as SDCW approved)

Payment for imported backfill shall be made at the unit price per cubic yard, as measured in place. Work shall include furnishing imported backfill, compacting, testing soil density and removing and disposing of unsuitable material. No payment will be made for imported backfill that does not meet the requirements of these specifications. No payment will be made for imported material outside the specified trench width limits. Note that 1,000 Cubic Yards is an estimate, the actual number may be higher or lower.

Bid Items 205, 210, & 215 – Joint Harness

Payment for joint harnesses shall be made at the unit price per each size of joint harness in place. Work shall include installing mechanical thrust restraints (joint harnesses) or bolt on flanges, glands, gaskets, bolts, all other necessary jointing material in place and any incidental items required to complete the Work.

Bid Item No. 267, 269 – Tapping Sleeves

Payment for tapping sleeve with pressurized (hot tap) connection shall be made at the unit price per each sleeve complete in place. Work shall include excavating to the main, installing tapping sleeve complete in place, all connecting materials, concrete blocking, air testing tapping sleeve, tapping through pressurized water main, backfilling and compacting and any incidental items required to complete the Work. Payment for tapping valve shall be made under the proper Valve Bid Item.

Bid Item No. 275 – Non-Pressurized Connection

Payment for non-pressurized (wet) connection shall be made at the unit price per each non-pressurized (wet) connection. Work shall include the non-pressurized (wet) connection to existing water lines, including excavating, backfilling and compacting. The unit price shall include payment for disposing

waste water, locating the main to be tapped (location to be made in ample time ahead of actual connection to allow for any needed changes), cutting into existing lines, and necessary pipe removal, blocking, bracing, and precautions so that no damage shall be done to the water system, employees, or any other property or persons. The notification of water customers of the interruption of services, incidental welding, if necessary, and any other construction costs shall be included for payment in the unit bid price of a non-pressurized connection. No separate payment will be made for proper disposal of surplus excavations or waste water. Surplus excavations and waste water shall be disposed as soon as possible in an approved place to minimize any disturbance or inconvenience in the street or on the adjoining properties.

Bid Item No. 320, 325, & 330 – Gate Valves as shown on Sheet No. 15.

Payment for valve shall be made at the unit price per each size and type of valve installed as shown on Sheet No. 15, the Construction Drawing. Work shall include excavating trench, installing valve, backfilling and compacting and any incidental items required to complete the Work. Payment for tapping valves shall be made under the proper Valve Bid Item.

Bid Item No. 345 – Fire Hydrant, 5’ or less bury

Payment for fire hydrants shall be made at the unit price per each fire hydrant installed. Work shall include excavating trench, installing fire hydrant, installing gravel drain, installing all jointing materials, backfilling and compacting, painting and numbering and any incidental items required to complete the Work. The fire hydrant leg pipe, hydrant leg restraint, and any main line fittings shall be included for payment under this item. The shut off valve shall be paid for separately under Bid Item No. 325 6”CL250 Gate Valve and Bid Item No. 405 Valve Box.

Bid Item No. 365 – Fire Hydrant Remove & Return

Payment for removing & returning fire hydrant shall be made at the unit price per each fire hydrant removed and returned to City or disposed of as directed by SDCW. Work shall include excavating trench, removing fire hydrant, backfilling and compacting, delivery of fire hydrant to City or disposal and any incidental items required to complete the Work.

Bid Item No. 405 – Valve Box

Payment for valve box shall be made at the unit price per each valve box installed. Work shall include excavating trench, installing valve box up to 6 feet in depth, installing concrete collar, backfilling and compacting and any incidental items required to complete the Work.

Bid Item No. 530 – Asphalt Pavement Removal & Disposal, < 2” - 6”

Payment for removal and disposal of City asphalt pavement shall be made at the unit price per square yard for less than 2” through 6” thicknesses. Payment for removal of City asphalt pavement greater than 6” thickness shall be made at the unit price times the actual thickness in inches divided by 6 inches (e.g. paving 10” thickness paid at the unit price times 1.67). Work shall include cutting pavement as marked, removing and satisfactorily disposing of pavement and any incidental items required to complete the Work.

Bid Item No. 555 – Replace city street pavement

Payment for replacing City street pavement shall be made at the unit price per square yard for the appropriate type of pavement up to 6” in thickness (asphalt, concrete, or temporary cold mix). Pavement shall be replaced with at least the same thickness as that which was removed, up to 6”.

Prior approval is required to replace pavement thickness greater than 6". Payment for replacing City street pavement greater than 6" in thickness shall be made at the unit price times the actual thickness in inches divided by 6" (e.g. paving 10" thickness paid at the unit price X 1.67). Work includes preparing sub-grade, furnishing and installing sub-base and base pavement course(s) with or without a laydown machine, cleaning-up, removing and disposing of any excess materials and any incidental items required to complete the Work.

Bid Item No. 710 – Service Transfer, ¾"

Payment for a service transfer shall be made at the unit price per service transferred from an existing main to a new main. This Work is to be done only if the service is copper and in good condition. Since the new main may be located closer or farther away from the existing main, this Work will require either extending or shortening the service line for connecting to the new main. Required Work and material include: excavating trench, installing corporation stop and tapping new pressurized water main, closing the old corporation stop, connecting the existing service to new corporation stop with service line connectors or couplings, backfilling and compacting, flushing service line, testing soil density and hydrostatic testing and any incidental items required to complete the Work. Pavement removal and replacement shall be paid for under the appropriate bid items. Copper service piping and tapping saddle shall be paid for under the appropriate Service Saddle and Copper Tubing Bid Items.

Bid Item No. 745 – Service Saddle, ¾" Tap, 4' – 12" Main

Payment for a service saddle shall be made at the unit price per each service replaced per the Standard Details. Work shall include installing corporation and tapping into the new replacement main and installing service line fittings. Pavement removal and replacement shall be paid for under the appropriate bid items. Copper service piping and service transfer shall be paid for under the appropriate Service Tubing and Service Transfer Bid Items.

Bid Item No. 765 - Service Tubing, ¾"

Payment for service line tubing shall be made at the unit price per linear foot of copper, Type K, tubing installed, as measured horizontally. Work shall include installing copper, Type K, tubing and any incidental items (fittings) required to complete the work. This item shall be used for service transfers where the existing tubing must be extended or is not in good condition.

Bid Item No. 800 – Traffic Control Invoice Cost plus Mark Up

Payment for traffic control shall be based on required traffic control for specific job as approved by City's Traffic Division (including flagman, signing, barricades, etc.) at the invoice cost for traffic control plan development and implementation plus the percentage markup as bid. Contractor's administrative work shall be incorporated into project material costs.

Bid Item No. 99950 – Poly Wrapping DI Pipe, Average

Payment for furnishing and installing polyethylene (Poly) wrap (as per ANSI/AWWA C105/A21.5 standard) for all installed pipe, valves and fittings shall be paid under this Bid Item at an average per foot cost. Poly wrap shall be installed with locating wire inside and marker tape above as shown in the Standards.