

NOTICE TO CONTRACTORS

Notice is hereby given that sealed proposals for constructing 2010 Sanitary Sewer Reconstruction, Phase 3 will be received at the Office of the Purchasing Manager, City Hall, 455 North Main, Wichita, Kansas until 10:00 o'clock A. M. on **October 1, 2010**, at which time the bids will be opened publicly and read aloud and tabulated by the Board of Bids and Contracts for consideration by the City Council. Bids received after said time will be returned unopened.

NOTE: BIDDER SHALL AFFIX THE FOLLOWING PROJECT NUMBER TO THE BID ENVELOPE **660679**

ATTENTION ALL BIDDERS: A BID BOND IN THE AMOUNT OF FIVE PERCENT (5%) OF THE TOTAL BID OR AN ANNUAL BID BOND IS REQUIRED PRIOR TO BID OPENING. SEE SECTION 102.3 OF THE CITY OF WICHITA STANDARD SPECIFICATIONS FOR FURTHER INFORMATION.

BIDDERS ARE ADVISED TO CONTACT THE OFFICE OF THE CITY ENGINEER (316-268-4501) SHOULD THEY HAVE ANY QUESTIONS OR CONCERNS ABOUT THE PLANS, SPECIAL OR SUPPLEMENTAL PROVISIONS, MINORITY STATUS, OR THE PROPER PREPARATION OF THE BID DOCUMENT.

THE BID FORM SHALL BE PREPARED USING UNIT PRICES PER BID ITEM, UNLESS OTHERWISE NOTED.

**SPECIAL PROVISION TO CITY OF WICHITA, KANSAS
STANDARD SEWER SPECIFICATIONS**

2010 Sanitary Sewer Reconstruction, Phase 3
(13th Street North, east of Meridian)
468-84703 660679

The City of Wichita's Standard Specifications are required provisions for the furnishing of all materials and doing all work to complete the above referenced project, and are hereby made a part of these provisions as if fully set forth herein. Said Standard Specifications shall control except as modified by the following Special Provisions. The Standard Specifications are on file in the City Engineer's Office, available for purchase from City Blue Print for the construction of City projects, or can be found online at <http://www.wichita.gov/CityOffices/PublicWorks/Engineering/StandardSpecifications.htm>. The following **Special Provisions** shall be applicable to this project:

1. **Start Date.** The work order on this project shall be issued **30 (thirty)** calendar days after the date on which the contract for this project has been awarded to the successful bidder.
2. **Working Days/Completion Date.** The work on this project shall be completed within **15 (fifteen)** working days from date of beginning work and in accordance with the plans and Standard Specifications. Working days will be charged as provided for in the Standard Specifications, once the work order is issued. **The non-availability of material shall not prevent working days from being assessed.**
3. **Basis of Award.** The contract shall be awarded on the basis of the **lowest responsible Base Bid**, provided the bid is within the Engineer's Estimate. If applicable, Add Alternate(s) may be accepted as determined by the City after the bids are opened, as available funding may allow. The City reserves the right to reject any and all bids.
4. **Disadvantaged and Emerging Business Participation.** The City of Wichita encourages all bidders to include disadvantaged and emerging business participation in their bids. Therefore, each vendor shall specifically identify the participation of disadvantaged and emerging contractors and subcontractors in the work to be performed by the vendor and shall list such disadvantaged and emerging contractors or subcontractors by name and show the dollar amount of work to be performed by each. The successful vendor will be required to submit subcontracting document forms 1, 2, 3 & 4, which will be provided with the contract.
5. **Basis of Payment.** Payment for the bid items will be as a **lump sum** amount based on the bid quantities and unit prices in the bid proposal.
6. **Partial Payment Estimates.** The awarded contractor shall waive all rights on all partial estimate calculations, and estimates shall be processed without the contractor's review and authorization. However, contractor shall review and approve the final payment at the completion of the project. The contractor may request partial estimate review and approval by written request submitted with their bid.
7. **Reasonable access.** Successful contractor must allow City Inspectors and vehicles reasonable access onto the project site.
8. **Coarse Aggregate for Portland Cement Concrete Pavement.** City of Wichita Standard Specifications, Section 406.2, "Coarse Aggregate", delete the following sentence:
"The soundness requirement will be waived if the aggregate meets all the requirements for durability of Class I aggregate as specified in the KDOT Standard Specifications."

9. **Type I Pipe Bedding Material.** City of Wichita Standard Specifications, Section 801.2, Pipe Bedding, item “a)”, revise to read as follows:
 “**Type I Pipe Bedding Material** will be crushed rock conforming to ASTM C-33, Gradation No. 67, and will meet all requirements for Portland Cement Concrete Pavement Coarse Aggregate, section 406.2, City of Wichita Standard Specifications.”

As of March 13, 2007, approved suppliers for Type I bedding are:

Dolese	Richard Spur quarry	Lawton, Oklahoma
Kansas Quality Stone	Harshman quarry	Moline, Kansas
Martin Marietta	Blake quarry	Severy, Kansas
Whittaker	Whittaker quarry	Winfield, Kansas

10. **Rock Bedding for Structures.** All sanitary and storm sewer structures, including but not limited to Reinforced Concrete Box Culverts, Curb Inlets, Area Inlets, and Manholes, must have a minimum of 6” of Type I bedding material placed under the structure, to the limits of excavation. Improved bedding material for these structures will not be paid for separately, but will be considered subsidiary to the bid item for the structure itself. All Type I bedding material for sewer structures must be approved by the City’s Materials Testing Lab prior to use.
11. **Improved Bedding for Pipes in Groundwater.** City of Wichita Standard Specifications, Section 801.4, Trench Stabilization, delete the second paragraph and replace with the following:
 “Trench stabilization must be installed when any level of groundwater or unstable soils are encountered. Trench stabilization for sanitary/storm sewer pipe will consist of over excavation and placement of Type I bedding material, to a minimum of six inches under and on the sides of the pipe, and a minimum of one foot above the pipe. Any trench stabilization required as a result of surface water entering the trench or to correct inadvertent over-depth trenching will be installed at the contractor’s expense.”
 All Type I bedding material for trench stabilization must be approved by the City’s Materials Testing Lab prior to use.
12. **Excess Excavation Disposal.** Unless otherwise directed by the plans, project special provisions or addenda, all excess excavation will become the property of the contractor, to be disposed of at a location determined also by the contractor. The contractor shall be aware of and take responsibility for obtaining required permits to place any fill in a designated floodplain, floodway or special management areas. Special management areas would include wetlands, US Corp of Engineer’s holding areas, detention ponds, etc. Contact Rene Batchman at 268-4498 for flood determinations within the City limits. For flood determinations outside of the City, contact Mr. Kelly Dixon with Sedgwick County Code Enforcement at 660-1840.
13. **Project Erosion Control Requirements.** The Contractor must implement erosion control measures on this project using Best Management Practices (BMPs). BMPs used may include silt fence and hay bale barriers, perforated (gravel filled) pipe inlet protection, or other as specifically approved by the City Engineer’s Office. Gravel Packs and sand bags at inlets will no longer be accepted. The Contractor will comply with all sections of Ordinance #44-123 and practice ‘good housekeeping’ at all times. Any dirt or mud tracked off the Contractor’s construction site onto paved public or private streets, or ditches, or discharges of same into lakes, ponds, ditches or storm sewers must be cleaned up within 24 hours. Failure to abide by these requirements may result in the assessment of fines, as provided in Ordinance #44-123. Ordinance #44-123 is referenced in Chapter 16.32 of the City Code, which may be viewed on the City’s website.

Construction activities that will, either individually or in combination with other related projects, disturb a total of one or more acres (as determined by the City Engineer) are subject to the requirements of the Kansas Water Pollution Control (KWPC) General NPDES Permit. If applicable to this project, a copy of the permit, including the Notice of Intent (NOI) and the Storm Water Pollution Prevention Plan (SWP3), is attached for detailed review. The terms and conditions of the KWPC general permit may be found on the KDHE website at www.kdheks.gov/stormwater/cons_stormwater_permit.htm. A copy of the attached Contractor's Certification Form, certifying comprehension of the general permit and SWP3 requirements, must be signed and submitted to the Field Engineer prior to starting construction.

During construction, the Contractor must maintain copies of the approved NOI and current SWP3 on the construction site at all times. Should the Contractor's intended construction sequence or approach differ from that described in the plans, such that there will exist a change in the design, operation, or maintenance of BMPs during construction, the Contractor must submit an amended SWP3 to the Engineer for review and approval, prior to enacting the change.

14. **Connecting to Existing Stub.** Where the proposed sanitary sewer construction requires connection to an existing pipe stub, the Contractor shall excavate to determine the flowline elevation, slope, horizontal alignment, pipe type, and condition of the stub prior to beginning construction. If removal, replacement, or resetting of the stub is required to facilitate connection to the manhole, the Contractor shall complete such work at no additional cost to the project.
15. **Underground Irrigation Systems.** Properties within the project limits may have underground irrigation systems (lawn sprinklers) in conflict with and/or within the limits of new construction. The Contractor shall remove conflicting components as needed during construction. Removal shall be accomplished by cutting and capping, such that the balance of any system or zone will remain in place, functional, and protected from damage. Any area detrimentally affected by irrigation service interruptions, whether within or beyond the project limits, will be considered disturbed by construction and shall be restored to its original condition, utilizing the same sod and/or vegetation as existing. Prior to project completion, existing irrigation systems shall be repaired, replaced, and/or upgraded, whether disturbed by construction or not, to provide as follows. Full coverage of all sodded areas shall be provided, with the system being modified as necessary to accommodate newly constructed sidewalk, curb, and other project improvements, in a manner consistent with industry standards and best practices. The Contractor shall coordinate all modifications with the system owner and supply as-built documentation upon request. All work and costs associated with restoration and improvements to underground irrigations systems shall be subsidiary to the bid item "Private Sprinkler System Restoration".
16. **Dewatering.** If dewatering is necessary on this project, the contractor shall contact Shawn Maloney at Environmental Health, 268-8318, to determine if the groundwater requires special handling. Cost of dewatering to be considered subsidiary to pipe installation bid items and not be bid or paid for separately.
17. **Television Tapes and Logs:** Television tapes and logs of sewers to be repaired are available from the System Planning and Development Division of the Wichita Water Utilities Department.
18. **Damage to Existing Structures:** If damaged during construction, existing manholes, sewer lines and other appurtenances to remain in service shall be repaired to original condition without additional payment

19. **Site Inspection:** The Contractor should inspect the project site in the field prior to preparing their bid.
20. **Notice to Property Owners:** The Contractor will be required to give all property owners and/or tenants directly affected by the construction of this project a minimum advance notice of seven (7) days prior to starting construction. The Contractor shall again notify residents or businesses immediately prior to beginning work that sewer service will be disrupted.
21. **Flow of Sewage:** The Contractor shall be responsible for maintaining continuous flow of sewage through the construction site at all times. The Contractor's proposed method for maintaining sewage flow shall be approved by the Engineer. Cost of maintaining flow of sewage through construction will not be paid for directly and this cost shall be considered incidental to the project.
22. **Incidental Costs:** All costs for service connections and observation holes removed shall be incidental to the price bid for sewer pipe reconstructed.
23. **Building Sewer Pipe:** Building sewer pipe may be extra strength VCP or Sch. 40 PVC pipe. Connections for building sewer lines shall be an approved fitting. Any fittings which use metal bands shall be concrete encased. Such fittings and encasement shall be subsidiary to the project.
24. **Building Services:** No building is to be without sewer service for more than 24 hours. Any service line not in a condition, which would permit reconnection, shall be replaced at no additional cost to the project.
25. **Active Building Sewer Lines:** Only active building sewer lines which connect actual buildings to the sewer system are to be reconnected to the new sewer construction. Building service lines and/or connections which have been abandoned are not to be reconnected to the new sewer construction. It will be the sole responsibility of the Contractor to ascertain which building service lines and/or connections are active and which services and/or connections have been abandoned. All work involved with building service line construction and/or connections shall conform to the applicable section of the Standard Specifications.
26. **Service Connection Records:** For all building services that are reconnected to the new sewer, the Contractor shall provide to the Engineer not only stationing and direction of the building connection, but also the address of the property being served. Such information shall be provided in tabular form.
27. **Flowable Fill:** Flowable fill will be required per city spec under any paved city streets, alleys, or other surface, including but not necessarily limited to, approaches, drives, and sidewalks within street right-of-way. Flowable fill will be required under paved surfaces as described, when the distance between top of pipe and top of pavement is greater than or equal to five feet. Otherwise, Contractor may sand fill the trench, flush and vibrate, provided the Contractor understand that it is the Contractors responsibility to remove and replace any settled pavement.
28. **Trees and Shrubs:** Trees or shrubs located within the utility easement shall not be removed without prior approval of the Engineer. Trees or shrubs outside the easement shall not be removed.
29. **Fence Removal:** Any fence removed for construction shall be replaced in a condition equal to or better than the original, at no additional cost to the owner.

30. **Replace Manhole Frame & Cover:** This bid item will also include any other work necessary to the cone or stack to bring the top portion of the manhole in compliance with City of Wichita Standard Specifications.

31. **Sanitary Sewer Couplings:**

PVC to VCP Connections:

- 8" pipe connections – non-shear repair couplings will be required
- Greater than 8" pipe connections – Fernco couplings (concrete encased) are allowed

Private Laterals, Schedule 40 PVC to VCP Connections:

- 4" & 6" pipe connections - non-shear repair couplings will be required

PVC to PVC Connections:

- When connecting plastic pipe to plastic pipe, a gasketed plastic coupling of the same material and schedule or SDR as the pipe shall be used, regardless of the pipe diameter.

Approved Non-Shear Couplings:

- 8" - Cascade Model CSST 9.75 x 8.40
- 6" - Cascade Model CSST 8.00 x 6.63
- 4" - Cascade Model CSST 5.10 x 4.50

The Contractor is to supply and install additional laminated gaskets as may be needed due to variances in outside diameter of existing materials. Cost of additional gaskets shall be subsidiary to the installation of the pipe.

Fernco Coupling Specifications:

Fernco couplings shall be banded with two stainless steel bands on each side of the coupling and each band shall be sealed in position at the junction of the band screw and band thread with a two part epoxy. The coupling shall be encased in concrete.

All Cascade and Fernco style couplings of any style shall be wrapped with 8-mil polyethylene wrap (polywrap) to prevent corrosion. The polywrap shall be continuous, securely taped and provide a continuous barrier between the coupling and surrounding pipe bedding or concrete. All couplings, regardless of the material, shall be bedded with Type I bedding a minimum of 6" on all sides.

32. **Sanitary Sewer Service Saddles:** Sewer saddles shall be installed using epoxy and will be banded to the main. Saddles must be PVC saddle tees and have a flange at least one inch wide on each side of the connection. This saddle will be used with either a PVC or clay sewer main. The saddle must be set with epoxy and each flange must be secured with a stainless steel band. The screws must be epoxy coated. Predco epoxy kit part numbers 4E and 6E are approved. Solvent-weld cement will not be approved for attaching saddles to mains.

33. If it is discovered that reinforced concrete encasement will need to be removed and/or installed, the contract will be adjusted to pay \$30.00 per linear foot for the removal of concrete encasement, and to pay \$50.00 per linear foot for the installation of concrete encasement.

34. Contractor is responsible for the proper disposal of any debris or liquid waste pulled from the sewer line during pipeline cleaning. The City's current contracted liquid waste disposal facility is located at 4225 Bounous, Wichita, Kansas (Reddi Industries, Inc.). Contractor may use this facility, but is responsible for all costs of the disposal.

35. ***Bid Form, Preparation and Final Payment.*** Bids should be prepared showing unit prices, extension amounts and a total of the extended amounts, which shall be the total bid. Below is a brief example of a properly prepared bid:

(PRICES SHALL INCLUDE ALL MATERIAL AND LABOR) [Quantity x Unit Price = Amount]

ITEMS	QUANTITY	UNIT PRICE	AMOUNT
5" AC Pvm (3" Bit Base)	1234 sy	6.00	7,404.00
Excavation	234 cy	2.00	468.00
Site Clrg & Restoration	1 LS	2,000.00	2,000.00
Bid Total			\$9,872.00

LEGEND: **LS** = Lump Sum, **lf** = lineal ft, **ea** = each, **gl** = gallons, **sy** = square yds, **sf** = square ft, **tn** = tons, **cy** = cubic yds, **cf** = cubic ft, **Unit Price** = price per unit of measure as specified