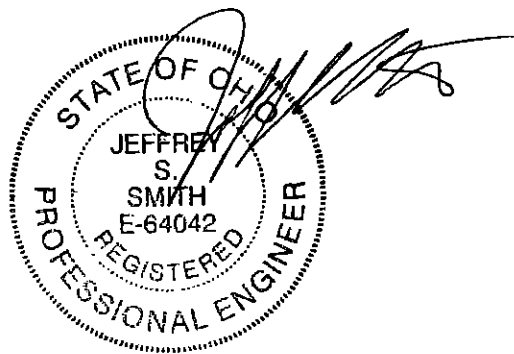


East Washington Street Sewer Rehabilitation

Village of Chagrin Falls

**OPWC Funded Project No. CT70/71W
WPCLF and WSRLA Funded Project**

February 2020



190191

VILLAGE OF CHAGRIN FALLS OFFICIALS

ADMINISTRATION

William Tomko, Mayor

David B. Bloom, Director of Finance/Clerk of Courts

Dale Markowitz, Director of Law

Rob Jamieson, Chief Administrative Officer

COUNCIL

Erinn Grube, Council President

Angela DeBernardo, President Pro Tem

Janis Evans

James Newell

Andrew Rockey

Nancy Rogoff,

Darren Wyville

ADVERTISEMENT FOR BIDS/PUBLIC NOTICE TO BIDDERS

Sealed bids will be received at the Chief Administrator's Office, Village Hall, 21 West Washington Street, Chagrin Falls, Ohio 44022 until 12:00 p.m. Noon on February 27, 2020 and will be opened and read immediately thereafter for the

**EAST WASHINGTON STREET SEWER REHABILITATION
OPWC FUNDED PROJECT NO. CT70/71W
WPCLF AND WSRLA FUNDED PROJECT
OPINION OF PROBABLE CONSTRUCTION COST: \$3,250,000.00
COMPLETION DATE: DECEMBER 1, 2020**

Bids must be in accordance with plans & specifications and on forms available from CT Consultants, Inc. at a non-refundable cost of One Hundred Seventy-Five Dollars (\$175.00). Instructions for obtaining hard copies of the documents (including bid forms) are at www.ctconsultants.com/bidinfo/index.html.

The drawings, bid specifications (without bid forms), plan holders list, addenda, and other bid information may be viewed, downloaded, and/or printed at no charge via the web site. The bidder shall be responsible to check for Addenda and obtain same from the web site prior to submitting a bid.

All contractors and subcontractors involved with the project will to the extent practicable use Ohio products, materials, services, and labor in the implementation of their project. Additionally, contractor compliance with the equal employment opportunity requirements of Ohio Administrative Code Chapter 123 is required.

DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN SECTION 153.011 OF THE REVISED CODE APPLY TO THIS PROJECT. COPIES OF SECTION 153.011 OF THE REVISED CODE CAN BE OBTAINED FROM THE OFFICE OF THE OHIO FACILITIES CONSTRUCTION COMMISSION.

This project will be funded by the Water Pollution Control Loan Fund Program (WPCLF) and the Water Supply Revolving Loan Account Program (WSRLA) as administered by the Ohio Environmental Protection Agency and the Ohio Water Development Authority. The Contractor shall note that there are Disadvantaged Business Enterprise participation goals for this project.

Publish: *chagrin-falls.org*
ctconsultants.com

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SECTION 1
BID DOCUMENTS

INSTRUCTIONS TO BIDDERS

PART 1 GENERAL

- 1.1 Sealed bids shall be received by the Owner at the location specified and until the time and date specified in the Advertisement for Bids/Public Notice to Bidders.
- 1.2 Each bid shall contain the full name and address of each person or company interested in said bid. If no other person be so interested, the Bidder shall distinctly so state the fact.
- 1.3 Bid forms must be completed in ink or by typewriter. Any corrections to the bid forms prior to submission must be initialed by the person signing the bid. Failure to submit any bid form(s) or other required document(s) may be cause for rejection of the bidder's bid at the sole discretion of the Owner.
- 1.4 Bids by Corporations must be executed in the corporate name by the President, Vice President, or other officer accompanied by evidence of authority to sign and the corporate seal must be affixed and attested by the Secretary on the Corporate Resolution form.
- 1.5 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature.
- 1.6 All names must be typed or printed below the signature.
- 1.7 The bid shall contain an acknowledgment of receipt of all Addenda.
- 1.8 If a Bidder wishes to withdraw their bid prior to the opening of bids, they shall state their purpose in writing to the Owner before the time fixed for the opening, and when reached it shall be handed to them unread.
- 1.9 After the opening of bids, no Bidder may withdraw their bid for a period of 60 days.

PART 2 EXAMINATION OF CONTRACT DOCUMENTS AND SITE

- 2.1 Before submitting a bid, each Bidder must
 - A. Examine the Contract Documents thoroughly.
 - B. Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress, or performance of the work.
 - C. Familiarize themselves with Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the work.
 - D. Study and carefully correlate Bidder's observations with the Contract Documents.

- 2.2 Reference is made to the Specific Project Requirements for the identification of any reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the work which have been relied upon by the Engineer in preparing the drawings and specifications. Owner will make copies of such reports available to any Bidder requesting them if not made available with the bid documents. These reports are not guaranteed as to accuracy or completeness; nor are they part of the Contract Documents. Before submitting their bid each Bidder will, at their own expense, make such additional investigations and tests as the Bidder may deem necessary to determine their bid for performance of the work in accordance with the time, price and other terms and conditions of the Contract Documents.
- 2.3 Upon request, the Owner will provide each Bidder access to the site to conduct such reasonable investigations and tests as each Bidder deems necessary for submission for their bid.
- 2.4 The lands upon which the work is to be performed, rights-of-way for access thereto, and other lands designated for use by Bidder in performing the work are identified on the Drawings.
- 2.5 The submission of a bid will constitute an incontrovertible representation by the Bidder that they have complied with every requirement of this section and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the work.

PART 3 ESTIMATED QUANTITIES

- 3.1 In Unit Price Contracts, the quantities of the work itemized in the bid are approximate only and the bidders are hereby notified that the estimated quantities made by the Engineer are merely for the guidance of the Owner in comparing on a uniform basis all bids received for the work.
- 3.2 The contract quantities, where itemized, are based on plan horizontal and vertical dimensions unless otherwise specified. It is the Contractor's responsibility to verify and determine actual quantities of materials such as pipe, pavement, subgrade, etc. in their ordering materials.
- 3.3 Payments, except for lump sum contracts and except for lump sum items in unit price contracts, will be made to the Contractor only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications.
- 3.4 The successful Bidder will be required to furnish the Owner with a complete breakdown of the lump sum bid items, to the satisfaction of the Engineer/Architect, before signing the Contract documents.

PART 4 CONTRACTOR'S QUALIFICATION

- 4.1 Bidder shall provide detailed information relating to similar projects completed within the past 5 years which demonstrates the bidder's capability, responsibility, experience,

skill, and financial standing to undertake this type of project and shall include a list of all projects currently under construction including status and contact person.

- 4.2 Bidder shall own, have rental or lease agreements for, or otherwise have readily available any and all equipment and tools necessary for proper execution of the work. The Owner reserves the right to request lists of equipment or tools available for the project including sources.
- 4.3 Bidder shall provide pertinent information to the Owner relative to any pending suits or outstanding liens. If no information is provided by the Bidder, the Owner shall assume that any such suits or liens do not exist.
- 4.4 The Owner may require similar information on any or all subcontractors proposed by the Bidder.
- 4.5 Bids of corporations not chartered in the state in which the work will take place must be accompanied by proper certification that the corporation is authorized to do business in that state.

PART 5 SUBCONTRACTORS

- 5.1 The Bidder shall state on the appropriate bid form the names of all Subcontractors proposed and the items of work they are to be assigned. All work not assigned to a Subcontractor shall be assumed by the Owner to be performed by the Bidder.
- 5.2 The Owner reserves the right to approve all subcontractors proposed by the Bidder. If the Owner, after due investigation, rejects the use of a proposed subcontractor, the apparent successful Bidder may either submit an acceptable substitution without increase in bid price or decline substitution and withdraw their bid without sacrificing their bid security. Any listed subcontractor to whom the Owner does not make written objection prior to award of contract, shall be deemed acceptable to the Owner.
- 5.3 Requests for changes of Subcontractor by the Bidder after the award shall be subject to the Owner's approval and shall not change the contract bid prices.
- 5.4 No contractor shall be required to employ any Subcontractor, person or organization against whom they have reasonable objection.

PART 6 BID REVIEW BY OWNER

- 6.1 The Owner reserves the right to reject any and all bids, to waive as an informality any and all irregularities, and to disregard all nonconforming, nonresponsive or conditional bids.
- 6.2 All extensions and totals of unit prices and quantities submitted as part of the bid shall be considered informal until verified by the Owner. All bids must be made on the forms contained herein and the bid prices must be written therein, in figures only. Unit prices shall be separately written for "Unit Price Labor," "Unit Price Material," and "Total Unit Price" for each item listed. Should an error in addition and/or multiplication

be determined while checking the Contractor's math and verifying their total bid, the "Unit Price Labor" and the "Unit Price Material" figures shall govern in determining the correct "Total Unit Price" and the correct "Item Total."

- 6.3 Each bidder must bid on all Items, Alternates, Deductions, and Additions contained in the Bidding Forms. All bids not in conformity with this notice may be considered non-responsive and may be rejected.
- 6.4 In evaluating bids, the Owner may consider:
- A. The qualifications and experience of the Bidder, proposed subcontractors, and principal material suppliers as outlined in the plans and specifications.
 - B. Financial ability and soundness of the Bidder and proposed subcontractors.
 - C. Completeness of all bid forms and bid requirements.
 - D. Alternates and unit prices requested in the Bid Forms.
 - E. Unit prices or schedules of values that are or appear to be unbalanced.
 - F. Previous contractual experience with the Owner.
 - G. Whether or not the bid package complies with the prescribed requirements.
 - H. The proposed completion date, if applicable.
 - I. Any other matter allowed by law or local ordinance or resolution.
- 6.5 Owner may conduct further investigations as they deem necessary to assist in the evaluation of any bid and to establish the responsibility, qualifications, and financial ability of the Bidders, proposed Subcontractors, and other persons and organizations to do the work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.
- 6.6 Owner reserves the right to reject the bid of any Bidder who does not pass any such evaluation to Owner's satisfaction.
- 6.7 The Contract award shall be based on the lowest and best bid or lowest responsive and responsible bid (as applicable for the public contracting agency receiving bids) for the base bid and selected alternate items (if any) for this project.

PART 7 BID SECURITY

- 7.1 Each bid must be accompanied by a certified or cashier's check in the amount of 10% of the amount bid, an irrevocable letter of credit in the amount of 10% of the amount bid or an original bond in the amount of 100% of the amount bid per ORC 153.54 and 153.571. The certified or cashier's check, or irrevocable letter of credit shall be from a financial institution authorized to transact business in the State of Ohio and acceptable to the Owner. The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on

Federal Bonds." The bond shall be a "Bid Guarantee and Contract Bond" ("rollover bond") per O.R.C. sections 153.54 and 153.571 submitted for the full amount of the bid **including all alternates**, if any.

If bid security is made by bond, the Bidder and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with their bid.

- 7.2 The certified or cashier's check, irrevocable letter of credit, or bond shall be made payable to the Owner and shall serve as a guarantee that in the event the bid is accepted and a contract is awarded to the successful Bidder, the contract will be executed by the bidder including any certifications, certificates or additional bonds required by the contract.
- 7.3 Failure on the part of the successful Bidder to execute the contract documents will cause the certified or cashier's check, irrevocable letter of credit, or bond to be forfeited to the Owner as damages.
- A. If the Owner awards the contract without rebidding, the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the difference between the low bid and the next lowest bidder or 10% of the amount of the bid, whichever is less.
- B. If the Owner does not award the Contract to the next lowest Bidder, but resubmits the project for bidding; the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the costs in connection with the resubmission of bids or 10% of the amount of the bid, whichever is less.
- 7.4 Checks or letters of credit for bid security of all bidders will be returned in the manner and timeframe stipulated in the Ohio Revised Code.

PART 8 CONTRACT BOND

- 8.1 As security for faithful performance and payment of all obligations under the Contract, the Owner shall require and the successful Bidder shall furnish either:
- A. *If submitted as Bid Security at time of bid:* "Bid Guarantee and Contract Bond" (AKA "rollover bond") per O.R.C. sections 153.54 and 153.571.
- B. *If a cashier's check or irrevocable letter of credit is submitted as Bid Security at time of bid:* Contract Bond per Ohio Revised Code Sections 153.54 and 153.57, in the amount of 100% of the Contract Price. The Contractor and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with the Contract forms
- 8.2 The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on Federal Bonds."

- 8.3 The contract bond shall cover correction of the work for the period stated in the specifications and the correction period shall start upon Final Acceptance of the entire project and final payment by the Owner.
- 8.4 Nothing in the performance of the Engineer's service to the Owner in connection with this project shall in any way imply any undertaking for the benefit of the successful Bidder, its subcontractor(s), or the surety of any of them.

PART 9 AWARD AND EXECUTION OF CONTRACT

- 9.1 After the Owner's legislative body awards the project, the successful bidder will receive the unsigned contract documents. Within 10 days after their receipt, the successful Bidder shall sign and deliver to the Owner said contract documents including any certifications, certificates, or additional bonds required by the contract.
- 9.2 The Owner shall execute the Contract within 60 days after the day of the bid opening. When necessary and by mutual consent between the Owner and the Successful Bidder, this 60-day period may be extended.
- 9.3 The date of the Owner's signature on the Contract Agreement shall be the effective contract date.
- 9.4 The Owner shall execute and deliver to the successful Bidder one set of fully executed contract documents.

PART 10 INSURANCE

- 10.1 Verification of limits for public liability, property damage, automobile, Worker's Compensation, or any other insurance required by the provisions of this Contract must be submitted to the Owner prior to execution of the Contract.
- 10.2 All insurance shall be endorsed so that it cannot be cancelled for non-payment of premium for 10 days or cancelled or non-renewed for any other reason in less than 30 days after a written notice of such proposed action by the insurer is given to the Owner. The cancellation clause on the Certificate(s) of Insurance shall read as specified in the Supplementary Conditions and failure to submit an insurance certificate and/or policy endorsement verifying same shall be reason for the Owner to consider the Contractor non-responsive in complying with the requirements for contract execution and may be cause for forfeiture of the Bid Security to Owner.
- 10.3 The Contractor's Liability Insurance policy(s) shall be endorsed such that limits are on a Per Project basis.
- 10.4 The Contractor shall also provide an Owner's and Contractor's Protective Policy.

PART 11 NON-COLLUSION AFFIDAVIT

- 11.1 Collusion between bidders will be cause for rejection of affected bids and may be cause for rejection of all bids. Multiple bids submitted by one bidder under the same name or different names, whether as an individual, firm, partnership, corporation, profit or non-profit, affiliate, or association will be cause for rejection of bids. A subcontractor is not a bidder, and may submit prices to multiple bidders.
- 11.2 All bidders shall submit an affidavit that their bid is genuine and not collusive or sham; that such bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other bidder or person shall refrain from bidding; that such bidder has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; that such bidder is the only party (or parties) who has an interest with the bidder in the profits of any contract which may result from the herein contained proposal; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, is or will be directly or indirectly interested in this bid, and/or the profits from this bid if successful; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has or will receive anything of value as a result of the submission of this bid or its award; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has been solicited to provide assistance and/or provided assistance to the bidder which might give the bidder a competitive advantage or circumvent the competitive bidding process; and that all statements contained in said proposal are true; and further, that such bidder has not, directly or indirectly submitted this bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.
- 11.3 Each bid must be accompanied by a completed Noncollusion Affidavit provided within the contract documents.
- 11.4 Where there is reason to believe collusion or combination among bidders exists, the Owner reserves the right to reject the bid of those concerned.

PART 12 DELINQUENT PERSONAL PROPERTY STATEMENT

- 12.1 Included with the contract documents is a Delinquent Personal Property Statement to be filled out by the successful Bidder.
- 12.2 The statement shall be sent to both the County Auditor and the County Treasurer. A signed copy shall remain in the contract documents as well.

PART 13 ORIGINAL DOCUMENTS

- 13.1 All bid forms, contract forms, bonds and any other bid documents or contract documents requiring signatures shall be submitted with original signatures. No photo copies or faxed copies of signed documents shall be accepted.

PART 14 ADDENDA

- 14.1 The bidder shall be responsible to obtain Addenda from the web at www.ctconsultants.com/bidinfo/index.html.

END OF SECTION 02/2020

PRICES TO INCLUDE

PART 1 - GENERAL

Any work shown on the plans or required in the specifications but not paid for separately as a bid item shall be included in the cost of other bid items. The amount bid for each Bid Item shall include the following:

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.3 Project coordination and scheduling.
- 1.4 Detailed breakdown of lump sum bid items as requested by the Engineer.
- 1.5 All provisions necessary to protect workmen, the general public, and property along the work in accordance with the Contract Documents.
- 1.6 Protection and/or replacement of existing property corner monuments.
- 1.7 Record drawings of the installed location of all underground electrical conduit, sewers, tees, wyes, laterals, etc.
- 1.8 Materials testing.
- 1.9 Reimbursement to Owner for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.10 Construction staking of the improvements.
- 1.11 The unit price for surface courses placed on new intermediate courses shall include the cost of tack coat if directed by the Engineer.
- 1.12 The unit price for all pavement-marking items shall include making records of all existing pavement markings in the work areas and providing same to the Engineer prior to performing any work which would remove or otherwise eliminate the existing pavement markings.

PART 2 - ITEMS

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T. specification except as specifically altered by other provisions of this contract.

2.1 PRECONSTRUCTION VIDEO DOCUMENTATION, AS PER PLAN

Basis of Payment

The lump sum price shall include all costs associated with hiring a professional videographic firm to document in detail the existing conditions of the entire work area and potential disturbed areas and submitting a high quality DVD with audio commentary and video log.

2.2 BONDS AND INSURANCES, AS PER PLAN

Basis of Payment

A "Bonds and Insurances" item (including "Owner/Contractor Protective Policy," "All Risk Builder's Risk Insurance," and/or "Installation Floater Insurance", **and/or endorsements to fully comply with all contract requirements**) has been included in the bid proposal.

2.3 MAINTAINING TRAFFIC

Basis of Payment

The lump sum price shall include maintaining and protecting vehicular and pedestrian traffic according to the requirements of O.D.O.T Item 614 and the Ohio Manual of Uniform Traffic Control Devices including, but not limited to, the following: detour notifications; lane transitions, temporary pavement markings, barrels and flaggers. Contractor shall submit a maintenance of traffic plan for review and approval by the engineer that is coordinated with the means and methods expected to be utilized for the construction of the sewer lining, sewer lateral replacement, watermain cutting & capping and water service work. Plan intent is to maintain at all times two-way traffic or re-route to Bell Street detour in phases.

Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

2.4 PAVEMENT REPAIR, AS PER PLAN

Method of Measurement

The quantity to be paid shall be number of cubic yards installed per the plans and specifications measured by dividing the total tons of material used in the repairs from verified truck weight tickets divided by the approved conversion factor of tons/cubic yard.

Basis of Payment

Payment shall be made in accordance with ODOT Item 253.

2.5 TYPE "A", TYPE "B" AND TYPE "C" PAVEMENT REPLACEMENT, AS PER PLAN

Method of Measurement

The method of measurement shall be as per ODOT 253 or 255 as applicable with the exception that lengths used for calculation of each individual repair area shall not exceed the maximum pay length indicated on the drawings.

Basis of Payment

The basis of payment shall be as per ODOT 253 or 255 as applicable with the following additions:

The unit price shall also include furnishing, installation, maintenance, removal, and disposal of temporary road materials or temporary pavement courses; preparation for permanent pavement courses; and any additional expenses for cold weather protection.

2.6 PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

Basis of Payment

All grindings shall become property of the Contractor except for 10 truckloads shall be delivered and stockpiled in a location designated by the Owner within the Owner's municipal limits.

2.7 STORM OR SANITARY SEWERS

Method of Measurement

The quantity to be paid shall be the number of linear feet installed per the plans and specifications measured by the plan difference in horizontal distance between centerlines of manholes and/or inlets; centerline of mainline pipe for transverse sewers or laterals; ends of laterals; between ends of culvert pipe, or faces of headwalls. Any increase in installed length due to change in length of pipe or location of structures not directed by the Engineer shall not be measured for payment.

Basis of Payment

The unit price shall be irrespective of the depth of pipe and if not called out as a separate pay item shall include the furnishing and laying of pipe; field location, exploratory excavation, and verification of existing utilities prior to laying conduit; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; compacted backfill material; Owner's costs related to re-inspection or re-testing of failed or re-compacted backfill material; specials; bends; tees; fittings; plugs; stoppers; cleanouts; bulkheads; jointing material; protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; connection to existing conduit or structures; leakage testing; internal videotaping; Owner's costs related to re-inspection or re-testing of pipe failing leakage testing or internal videotaping; removal and replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrails, sign wiring, fixtures, or other appurtenances; surface grading; temporary pavement; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.8 LATERAL INTERNAL TELEVISION INSPECTION, FROM CLEANOUT, AS PER PLAN

6 INCH CONDUIT INTERNAL TELEVISION INSPECTION, INCLUDING LIGHT CLEANING, AS PER PLAN

8 INCH TO 15 INCH CONDUIT INTERNAL TELEVISION INSPECTION, INCLUDING LIGHT CLEANING, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of linear feet televised as measured centerline to centerline of structures (i.e., manholes, inlet or catch basins, cleanouts, lamp holes, headwalls, outlets, cisterns, etc.). If reverse setups are required during television inspection, the per foot cost of television inspection will be paid only for the actual televised footage between the manholes involved.

Basis of Payment

The unit price for the various sizes of pipe shall include mobilization, setup, measuring pipe diameters and manhole depths, light cleaning of the sewer using sewer jet, hauling available water for cleaning and dye testing, sewer flow control, televising the sewer pipe and manhole troughs, accurately measuring the location of lateral connections, using pipe locating equipment, televising sewer connections by positioning the camera, rotating the camera head, viewing the lateral connections (from the sewer main), and recording the observations, videotapes, inspection logs, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work as specified or as shown. Video on acceptable medium and logs shall be turned over to the Owner prior to payment for this item.

2.9 6 INCH CURED-IN-PLACE PIPE LINING – LATERAL, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of sanitary or storm laterals lined.

Basis of Payment

The unit prices for the various sizes of liner pipe shall include sewer lateral cleaning, heavy cleaning, measurements of existing pipe size and length, to verify plan notes, determination of live connections, sewage bypassing, liner material and installation, processing, cooling, sealing of liner at ends, root removal, testing, post-installation video recording, cleanup, restoration, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work in accordance with these specifications, the manufacturer's recommendations, or as shown. The minimum thickness of the liner material shall be as specified.

The unit price shall also include the furnishing of all work necessary to neatly cut and remove the liner pipe at the live service connection locations to reinstate the active laterals.

2.10 6 INCH CURED-IN-PLACE PIPE LINING-LATERAL, AS PER PLAN
6 INCH TO 24 INCH CURED-IN-PLACE PIPE LINING, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of linear feet installed per the specifications measured inside wall to inside wall of manholes for the mainline, and from the mainline to the test tee for sanitary laterals.

Basis of Payment

The unit prices for the various sizes of liner pipe shall include sewer cleaning, measurements of existing pipe size and length, to verify plan notes, determination of live connections, sewage bypassing, liner material and installation, processing, cooling, sealing of liner at manholes, testing, post-installation video recording, cleanup, restoration, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work in accordance with these specifications, the manufacturer's recommendations, or as shown. The minimum thickness of the liner material shall be as specified.

2.11 MANHOLE REHABILITATION, CLEANING AND LINING, 48 INCH DIAM., AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of vertical feet rehabilitated as measured from the lowest sewer to the top of the manhole casting.

Basis of Payment

The unit price paid shall include sewage flow control; cleaning, structural rehabilitation and coating of interior manhole walls and bases, invert bench repair, and the furnishing of labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. The coating thickness shall be per the approved manufacturer's recommendations.

2.12 4 INCH CONCRETE WALK, INCLUDING REMOVAL, AS PER PLAN

Method of Measurement

The quantity of the thickness and class of concrete specified to be paid for shall be the actual square dimension, complete in place.

Basis of Payment

The unit price shall include the excavation, immediate removal and disposal of structures and obstructions, furnishing all materials, sub-grade compaction, grading, forming, finishing of the walk, tooling of edge, and pavement including removal and disposal of existing grass, sod, topsoil, necessary pavement saw cutting, excavation and/or backfill to required line and grade; saw cutting, asphalt pavement removal and installation of concrete grout at road edge; concrete; curing compound, and expansion joint material; work shall include installation of vertical curb backing to match existing walk; furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

- 2.13 CURB, TYPE 6, INCLUDING REMOVAL, AS PER PLAN
CURB RAMP, AS PER PLAN

Method of Measurement

ODOT Item 499 Concrete, Class QC MS mix shall be used for all curbs and curb ramps.

Basis of Payment

Payment shall be made in accordance with ODOT Item 609 and shall also include full depth diamond blade saw cutting as needed and removal of existing pavement, curb, or curb and gutter. Curb shall be extended to nearest existing joint and shall match the reveal of the adjacent curb, where applicable.

- 2.14 6 INCH SANITARY SEWER LATERAL REPLACEMENT, INCLUDING NEW TEST
TEE/CLEAN-OUT AND NEW MAINLINE CONNECTION, AS PER PLAN
6 INCH SANITARY SEWER TEST TEE/CLEAN-OUT AND RISER, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of sanitary sewer laterals replaced to each address specified or directed.

Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and whether one or both of the connections are on the long side or short side of the main to R/W and shall include horizontal and vertical surveying and layout; locating the existing service connection alignment, main connection location and test tee location; field location, exploratory excavation, and verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; tri-band couplings (w/center shear band); adapters; o-rings; plugs; stoppers; sanitary and storm test tee/clean out assemblies and trap (most storm sewer laterals); bulkheads; jointing material; compaction of backfill material;

replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; site cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.15 PAVEMENT MARKING, AS PER PLAN

Basis of Payment

The lump sum price shall include recording locations of existing pavement markings, installing temporary pavement markings as needed, and re-painting of existing pavement markings.

2.16 ABANDON WATERLINE, AS PER PLAN

Basis of Payment

The lump sum price shall include trench excavation; sheeting and shoring; dewatering, including all pumping required for water in existing pipe, underground water, or surface water; support, protection and/or replacement of all existing utilities (conduit, wires, cables, poles, signs, etc.); exploratory excavation and field location of existing pipe and fittings; disposal of excess materials; cutting and removal of existing pipe; furnishing and installation of stone bedding, conduit, caps, plugs, specials, glands, megalugs, thrust blocking, bolts, jointing material, backfill material; closing all valves, removal of valve boxes, and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.17 8 INCH TO 12 INCH WATER MAIN DUCTILE IRON PIPE ANSI CLASS 52, PUSH-ON JOINTS AND CAST IRON MECHANICAL JOINT FITTINGS, AS PER PLAN

Method of Measurement

The method of measurement shall be as per ODOT 638.

Basis of Payment

The basis of payment shall be as per ODOT 638 with the following additions: The unit price shall be irrespective of the depth of pipe and shall include excavation, bedding, backfill, compaction, all waterline and soils testing, chlorination/disinfection, supports, thrust blocking, joint restraints, polyethylene encasement, tees, bends, reducers, plugs, caps, and all other necessary fittings.

2.18 CONNECT NEW WATER MAIN TO EXISTING WATER MAIN, AS PER PLAN

Measurement

The quantity to be paid shall be the number of locations the new pipe is connected to the existing pipe with the specified fitting as shown on the plans or as directed.

Basis of Payment

The unit price shall be full compensation for each connection made including, but not limited to: trench excavation, sheeting and shoring, dewatering, earth and/or rock excavation, backfill, disposal of surplus material, furnishing and installing joint material, long solid sleeve, fittings, saw cutting pipe, removal of existing caps or plugs and making connections as required, hypochlorite swabbing, joint restraints, thrust blocking, polyethylene encasement, removal, and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

2.19 1 INCH COPPER SERVICE BRANCH (LONG OR SHORT), AS PER PLAN

Method of Measurement

The method of measurement shall be as per ODOT 638 except that the water service connections shall be paid per each as short service connections or long service connections for the diameter designated on the plans regardless of length of the connection. Short service connections shall be those which the water main is on the same side of centerline of the pavement as the subplot serviced. Long service connections shall be those which the water main is on the opposite side of centerline of the pavement as the subplot serviced.

Basis of Payment

The basis of payment shall be as per ODOT 638 with the following exceptions: The unit price shall also include connection to the existing service at locations designated on the plans or connection to water meters; and exploratory excavation and field location of existing service connections for connections indicated on the plans to be located.

2.20 GATE VALVES, VALVE BOXES, TAPPING SLEEVES AND VALVES, AND CUT-IN TEES, AS PER PLAN

Method of Measurement

The work, method of construction and materials for, gate valves and valve boxes, cut in tee and solid sleeves, shall be in accordance with the current Village of Chagrin Falls Water Department Rules and Regulations, except as modified in these specifications and/or contract drawings. All gate valves shall be mechanical joint.

Basis of Payment

The unit price shall be full compensation for earth and/or rock excavation, backfill, disposal of surplus material, finishing and installing joint material, long solid sleeve, fittings, saw cutting pipe removal of existing caps or plugs and making connections as required, joint restraints, removal, and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

2.21 FIRE HYDRANT REMOVED FOR STORAGE, AS PER PLAN

Method of Measurement

The number of hydrants removed to be paid for shall be the actual number removed in accordance with the contract drawings and these specifications.

Basis of Payment

The unit price for each removal of existing hydrants shall be full compensation for the undamaged removal of the hydrant, watch valve assembly and stored on site for the undamaged delivery of all removed parts to the Village of Chagrin Falls Water Department, excavation necessary to remove the hydrant, hydrant watch valve, valve box and backfill; disposal of all other surplus, furnishing and placing temporary pavement replacement; and furnishing all labor, tools, materials and appliances necessary to complete the work as specified or as shown.

2.22 CATCH BASIN/INLET OR MANHOLE ADJUSTED TO GRADE, AS PER PLAN

Basis of Payment

Structures shall be adjusted in accordance with ODOT 611.10. Payment shall be made in accordance with ODOT Item 611 and shall also include rebuilding of the top 12 inches of masonry on each structure. Also included are the saw cutting and the removal of all spoil material.

On streets with full depth asphalt or existing asphalt overlay - Fill for the excavated area needed to facilitate the adjustment shall be ODOT Class QCMS concrete and shall be installed as per the Engineer at no additional cost to the Owner.

On existing concrete streets without an existing asphalt overlay - the concrete for the boxout shall be included in the quantity for ODOT Item 255.

2.23 CATCH BASIN/INLET OR MANHOLE RECONSTRUCTED TO GRADE, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of vertical feet reconstructed per the plans and specifications and at locations and lengths as directed by the Engineer measured from the bottom of the frame to the bottom of the new brickwork of the reconstructed walls. No extra payment shall be made for masonry work to accommodate existing or proposed conduits entering the reconstructed portions of the structure.

Basis of Payment

The unit price shall include casting removal and reinstallation, excavation, disposal of excess material, backfill, red shale or clay brick, mortar, and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.24 VALVE BOX ADJUSTED TO GRADE, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number directed to be adjusted with a new riser section or sections.

Basis of Payment

The unit price shall include all labor and materials to adjust the valve box to grade with a new riser section or sections including all excavation, disposal of excess materials, stone backfill to base elevation and QCMS concrete for pavement replacement (T= match existing). The new riser section or sections, as directed, will be supplied by the Water Department. The Contractor shall coordinate with the Water Department in a timely manner to supply needed riser sections.

2.25 LAWN RESTORATION, AS PER PLAN

Method of Measurement

The work, method of construction and materials for lawn restoration shall be in accordance with Section 329200.19 with the following modifications:

1. There will be no separated measurement or payment for furnishing and placing the required 4-inch topsoil bed.
2. Cost to prepare the subgrade to receive the 4-inch topsoil bed including any necessary excavation or embankment to bring the subgrade to the lines indicated on the plans and parallel to the proposed finished grade shall be included in this bid item.
3. The cost to furnish and place sphagnum peat moss at the rate specified and mix into the topsoil shall be included in this item.
4. Restoration within the contract pay limits will be paid as directed by the Engineer on a one-time basis. Subsequent repairs of previously repaired seeded areas, repair of areas outside the contract pay limits and repairs to areas not planted within the designated spring or fall sowing season shall be at the Contractor's expense.
5. Cost to inventory and restore existing tree lawn landscape i.e., decorative stone, mulch, trees, brick pavers or any other special features damaged by the Contractor shall be included in this bid item.
6. Cost to prepare and repair the additional area that has been previously disturbed by the Aqua Ohio water main installation preceding the City project. Intent is to provide restoration of disturbed areas that will match the existing lawns beyond the right of way. Contractor shall inventory project limits prior to bidding & construction.

Basis of Payment

The unit price of all disturbed and damaged lawn areas shall be full compensation for excavation and/or embankment of all areas to be restored to a depth necessary for placing topsoil to the grades shown or directed by the Engineer; removal and disposal of excess and unsuitable materials; preparation of the subgrade for topsoil; furnishing, placing, spreading and rolling topsoil; preparing the topsoil bed for sowing of seed; furnishing and placing soil amendments, fertilizer, peat moss and seed; maintaining lawn by watering, fertilizing, weeding, mowing, trimming and other operations as rolling, regrading and replanting as required to establish an acceptable standard of growth; inventory and restore damaged tree lawn landscape features; and the furnishing of all labor, material, tools, materials and appliances necessary to complete the work as specified or as shown.

2.26 CONDUIT POINT REPAIR, AS PER PLAN CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED

Method of Measurement

Conduit Point Repair: The quantity to be paid shall be the number constructed per the specifications at locations directed by the Engineer. Each point repair shall include six (6) feet of pipe to be removed and replaced.

Conduit Point Repair - Additional Footage: The quantity to be paid shall be the additional number of lineal feet directed by the Engineer to be constructed should existing conditions warrant additional pipe to be replaced.

Basis of Payment

The unit price shall be irrespective of the depth or class of pipe and if not called out as a separate pay item shall include locating the existing service connection alignment; field location, exploratory excavation, and verification of existing utilities prior to excavation; protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; pavement, earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; specials; fittings; plugs; stoppers; cleanouts; bulkheads; jointing material; connection to existing conduit or structures; compaction and compaction testing of suitable backfill material; replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; surface grading, restoration, seeding and mulching of all disturbed areas; site cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

**SUPPLEMENTAL INSTRUCTION TO BIDDERS
FOR PROJECTS FUNDED BY THE
OHIO PUBLIC WORKS COMMISSION**

PART 1 - GENERAL

- 1.1 Each bidder must submit a current EEO Certificate of Compliance or if the bidder is not currently certified, he must indicate that the bidder will be able to obtain a valid Certificate of Compliance prior to the execution of the contract. Failure to submit or indicate the ability to obtain an EEO Certificate of Compliance will cause rejection of the bid as non-responsive.

PART 2 - OHIO PREFERENCE

- 2.1 In accordance with Ohio Revised Code §164.05 (A)(6), to the extent practicable, the Contractor and subcontractor shall use Ohio products, materials, services and labor in connection with this project.

PART 3 - DRUG-FREE WORKPLACE PROGRAM

- 3.1 In accordance with Ohio Revised Code §153.03 and during the life of this project, the Contractor and all its Subcontractors that provide labor on the Project site must be enrolled in and remain in good standing in the Ohio Bureau of Worker's Compensation ("OBWC") Drug-Free Safety Program ("DFSP") or a comparable program approved by the OBWC.

PART 4 - OHIO ETHICS LAW

- 4.1 Contractor agrees that it is currently in compliance and will continue to adhere to the requirements of Ohio Ethics law as provided by Section 102.03 and 102.04 of the Ohio Revised Code.

PART 5 - VENDOR SELF REGISTRATION

- 5.1 New vendors must register online using the Supplier Self-Registration module of the Ohio Administrative Knowledge System (OAKS). For questions, please contact the Ohio Shared Services at 1-877-644-6771 or email ohiosharedservices@ohio.gov.

STATE OF OHIO
EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS &
BID CONDITIONS FOR OPWC-ASSISTED CONSTRUCTION PROJECTS

The attached materials are provided for use by local subdivisions in receipt of financial assistance from the Ohio Public Works Commission for the development or redevelopment of capital infrastructure improvements. The materials relate to the State of Ohio's equal employment opportunity requirements for contractors when they participate in State-assisted construction projects.

These materials must be inserted into the contracting subdivision's bidding documents for such State-assisted projects, and must be regarded as an integral component of the bidder's response. The bidder must, as a part of its bid response: elect one of the two Bidder's Affirmative Action Requirements, adopt the Bidder's EEO Covenants, and complete the Bidder's Certification. Failure to complete the required sections may cause the bidder's proposal to be rejected as being non-responsive to the State's Equal Employment Opportunity Requirements and in non-compliance with the State Equal Employment Opportunity Bid Conditions. In addition, the bidder must submit a copy of a valid Certificate of Compliance for Equal Employment Opportunity purposes prior to the execution of a contract.

Should there be any questions regarding the use or meaning of any portion of these materials, the best answers can be received from the Equal Opportunity Center at 77 South High Street, 24th Floor, Columbus, Ohio 43266-0408. Phone: (614) 466-8380.

"APPENDIX A" OF THE STATE EEO BID CONDITIONS

MINORITY MANPOWER UTILIZATION GOALS AND TIMETABLES

The following minority goals listed are expressed in terms of percentages of work hours for each trade to be used by the contractor in a designated area. Designated areas are defined as Ohio's Standard Metropolitan Statistical Areas (SMSA). They are: Akron, Cincinnati, Cleveland, Columbus, Dayton, Toledo and Youngstown-Warren. In cases where the project is not located in a designated area, the contractor may adopt minority utilization goals of the near/nearest designated area.

AKRON		CINCINNATI		CLEVELAND	
All Trades	10%	<u>Trade</u>		<u>Trade</u>	
		Asbestos Workers	9%	Asbestos Workers	17%
		Boilermakers	9 %	Boilermakers	10%
		Carpenters	10%	Carpenters	16%
		Elevator Constructors	11%	Electricians	20%
		Floor Layers	10%	Elevator Constructors	20%
		Glaziers	10%	Floor Layers	11%
		Lathers	10%	Glaziers	17%
		Marble, Tile, Terrazzo	8%	Ironworkers	13%
		Millwright	10%	Operating Engineers	17%
		Operating Engineers	11%	Painters	17%
		Painters	11%	Pipefitters	17%
		Pipefitters	11%	Plasterers	20%
		Plasterers	10%	Plumbers	17%
		Plumbers	11%	Roofers	17%
		Sheet Metal Workers	11%	Other Trades	17%
		Other Trades	11%		
COLUMBUS					
All Trades	10%				
DAYTON					
All Trades	11%				
TOLEDO					
All Trades	9%				
YOUNGSTOWN					
All Trades	9%				

"APPENDIX B" OF THE STATE EEO BID CONDITIONS

SPECIFIC AFFIRMATIVE ACTION STEPS

The following Affirmative Action steps are directed at increasing minority utilization:

(1) The contractor should maintain a file of the names and addresses of each minority and female referred to it by any individual or organization and what action was taken with respect to each such referred individual, and if the individual was not employed by the contractor, and the reasons therefore. If such individual was sent to the union hiring hall for referral and not referred back by the union or if referred back by the union or if referred, not employed by the contractor, the file should document this and the reason therefore.

To Demonstrate Compliance: Maintain a file of the names, addresses, telephone numbers, and craft of each minority and female applicant showing (a) the date of contact and whether the person was hired; if not, the reason, (b) if the person was sent to a union for referral, and the results (c) follow-up contacts when the contractor was hiring.

(2) The contractor should promptly notify the State Contracting Agency when the Union or Unions with which the contractor has collective bargaining agreements does not refer to the contractor a minority or female worker referred (to the union) by the contractor, or when the contractor has information that the union referral process has impeded efforts to meet its goals.

To Demonstrate Compliance: Have a copy of letters sent, or do not claim the union is impeding the contractors' efforts to comply.

(3) The contractor should disseminate its Equal Employment Opportunity policy within its organization by including it in any company newsletters and annual reports; by advertising at reasonable intervals in union publications; by posting of the policy; by specific review of the policy with minority and female employees; and by conducting staff meetings to explain and discuss the policy.

To Demonstrate Compliance: Have a written EEO policy which includes the name and how to contact the contractor's EEO Officer and (a) include the policy in any company policy manuals, (b) post a copy of the Policy on all company bulletin boards (in the office and on all job sites), (c) records, such as reports or diaries, etc., that each minority and female employee is aware of the Policy and that it has been discussed with them, (d) that the policy has been discussed regularly at staff meetings and (3) copies of newsletters and annual reports which include the Policy.

(4) The contractor should continually monitor all personnel activities to ensure that its EEO policy is being carried out, including the evaluation of minority and female employees for promotional opportunities on a quarterly basis and the encouragement of such employees to seek those opportunities.

To Demonstrate Compliance: Have records that the company EEO Officer reviews all: (a) monthly workforce reports, (b) hiring and terminations, (c) training provided on-the-job, (d) minority and female employees quarterly for promotion and encourages them to prepare for and seek promotion. The records should be the EEO Officer's job description, reports, memos, personnel files, etc., documenting the activities for possible discriminatory patterns.

(5) The contractor should disseminate its EEO policy externally by informing and discussing it with all recruiting sources; by advertising it in news media, specifically including minority and female news media; and by notifying and discussing it with all subcontractors.

To Demonstrate Compliance: Have copies of (a) letters sent, at least six months or at the start of each new major contract, to all recruiting sources (including labor unions) requiring compliance with the Policy, (b) advertising, which has the EEO "tagline" on the bottom, and (c) purchase order and subcontract agreement forms will include or make reference to the State EEO Covenant, Appendix A or B of the Ohio Administrative Code 123:2-3-02.

(6) The contractor should make specific and reasonably recurrent oral and written recruitment efforts directed at minority and women's organizations, and training organizations with the contractor's recruitment area.

To Demonstrate Compliance: Have a record either in a follow-up file for each organization or on the reverse of the notification letter sent under Item 1, above, of the dates, individuals contacted and the results of the contract from telephone calls or personal meetings with the individuals or groups notified under Item 1.

(7) The contractor, where reasonable, should develop on-the-job training opportunities and participate and assist in all Department of Labor funded and/or approved training programs (including Apprenticeship) Programs relevant to the contractor's employee needs consistent with its obligations in the Bid Conditions.

To Demonstrate Compliance: Have records of contributions in cash, equipment supplied and/or contractor personnel provided as instructors for Bureau of Apprenticeship and Training approved or Department of Labor funded training programs and records of the hiring and training of minorities and females referred to Company by such programs.

(8) The contractor should solicit bids for subcontracts (and joint ventures) from available minority and female subcontractors engaged in the trades covered by the Bid Conditions, including circulation of minority and female contractors associations.

To Demonstrate Compliance: Have copies of letters or other direct solicitation of bids for subcontracts/joint ventures from minority/female contractors with a record of the specific response and any follow-up the contractor has done to obtain a price quotation or to assist a minority/female contractor in preparing or reducing a price quotation; have a list of all minority/female subcontracts awarded or joint ventures participated in with dollar amounts, etc.

EXPLANATION OF AN ACCEPTABLE AFFIRMATIVE ACTION PROGRAM:

An Affirmative Action Program is a set of specific and result-oriented procedures to which a Contractor shall apply every good faith effort. The objective of those procedures and efforts is to assure equal employment opportunity. An acceptable Affirmative Action Program will include an analysis of all trades employed by the Contractor within the last year with an explanation of whether Minorities are currently being under-utilized in any one or more trades. A necessary prerequisite to the development of a satisfactory Affirmative Action Program is the identification and analysis of problem areas inherent in Minority employment and an evaluation of opportunities for utilization of Minority group personnel.

Part I - Basic Contents of an Affirmative Action Program:

1. Development or reaffirmation of the contractor's EEO policy in all personnel actions.
2. Formal internal and external dissemination of contractor's EEO policy.

3. Establishment of responsibilities for implementation of the contractor's affirmative action program.
4. Identification of problem areas (deficiencies) by organizational units and job classification.
5. Establishment of goals and objectives by organizational units and job classification, including timetables for completion.
6. Development and execution of action oriented programs designed to eliminate problems and further designed to attain established goals and objectives.
7. Design and implementation of internal audit and reporting systems to measure effectiveness of the total programs.
8. Compliance of personnel policies and practices with Federal sex discrimination guidelines (41 CFR Part 60-20).
9. Active support of local and national community action programs and community service programs, designed to improve the employment opportunities of minorities.
10. Consideration of ethnic minorities and women not currently in the work force having requisite skills who can be recruited through affirmative action measures.
11. Summary data on applicant flow, hires, terminations and promotions, and training for the last twelve months or the last one hundred applicants, hires, etc., whichever is less.

Part II - Analysis of Individual Trades

1. The minority population of the labor area surrounding (contractor's) projects.
2. The size of the minority unemployment force in the labor area surrounding (the contractor's) projects.
3. The percentage of minority work force as compared with the total work force in the immediate labor area.
4. The general availability of minorities having requisite skills in the immediate labor area.
5. The availability of minorities having requisite skills in the area in which the contractor can reasonably recruit.
6. The availability of promotable minority employees within the contractor's organization.
7. The anticipated expansion, contraction, and turnover of an in the work force.
8. The existence of training institutions capable of training minorities in the requisite skills.
9. The degree of training which the contractor is reasonably able to undertake as a means of making all job classes available to minorities.

Goals, timetables and affirmative action commitments must be designed to correct any identifiable deficiencies. Where deficiencies exist and where numbers or percentages are relevant in developing corrective action, the contractor shall establish and set forth specific goals and timetables. Such goals and timetables, with supporting data and the analysis thereof shall be a part of the contractor's written affirmative action program. Where the contractor has not established a goal, its written affirmative action program must specifically analyze each of the factors listed above, and must detail its reason for a lack of a goal. The goals and timetables should be attainable in terms of the contractor's analysis of its deficiencies and its entire action. Thus, in establishing its goals and timetables, the contractor should consider the results which could be reasonably expected from its good faith efforts to make its overall affirmative action program work. If the contractor does not meet its goals and timetables, the contractor's good faith efforts shall be judged as to whether the contractor is following its program and attempting to make the program work toward the attainment of its goals.

Support data for the above analysis and program shall be compiled and maintained as part of the contractor's affirmative action program. This data should include applicant flow data and applicant rejection ratios indicating minority status.

Compliance Status: No State Contractor's compliance status shall be judged alone by whether or not he reaches his goals and meets his timetables. Rather each Contractor's compliance posture shall be reviewed and determined by reviewing the contents of his program, the extent of his adherence to his

program and his good faith efforts to make his program work toward the realization of the program's goals within the timetables set for completion.

“APPENDIX C” OF THE STATE EEO BID CONDITIONS

FEMALE UTILIZATION GOALS

OAC 123:2-3-05 Required utilization analysis and goals

(A) Each state-involved contractor shall include in his/her affirmative action program the information and analysis required pursuant to part IV 401-C of appendix A of rule 123:2-1-01 of the Administrative Code, in addition to female utilization requirements pursuant to the governor's "Executive Order 84-9" and this rule.

(B) As required by the governor's "Executive Order 84-9", the utilization of women shall be, at a minimum, that currently in use by the federal government as of February 15, 1984. This requirement stated at C.F.R. part 60-4 is 6.9 percent utilization of women. This requirement shall remain at 6.9 percent unless further amended by the governor in a subsequent order. This requirement shall be met by a determination of work hours utilized in the same manner as minority utilization hours are calculated.

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