



CITY OF WORTHINGTON

PROPOSAL,

CONTRACT DOCUMENTS

AND SPECIFICATIONS

for

PROJECT NO. 618-15

2016 CENTRAL DISTRICT SANITARY SEWER LINING

MATTHEW H. GREESON, CITY MANAGER

DANIEL WHITED, P.E., DIRECTOR OF SERVICE AND ENGINEERING/CITY ENGINEER

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WORTHINGTON, OHIO 43085

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BID SET NO.: _____

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Review Set
Not For Bidding

BIDDING REQUIREMENTS

Review Set
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ADVERTISEMENT FOR BIDS

Sealed bids will be received by the City Manager, City of Worthington, Ohio, 6550 North High Street, Worthington, Ohio 43085, until 12:00 Noon, local time, on **Friday, November 4, 2016**, at which time and place all bids will be publicly opened and read aloud for the following:

2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15

Plans, specifications and related information may be obtained by prospective bidders for a fee at Franklin Imaging, 500 Schrock Rd. Columbus, OH 43229. Questions concerning the bid specifications should be directed to Mr. Daniel Whited, P.E., Director of Service and Engineering/City Engineer, Ph. No. (614) 431-2425.

Plans, specifications and related information may also be viewed at offices of the City Clerk located at Worthington Municipal Building at 6550 North High Street, Worthington, OH 43085 and at the Department of Service and Engineering, 380 Highland Ave., Worthington, OH 43085

The Owner shall not be responsible for full or partial sets of Contract Documents obtained from any other source.

The Engineer's estimate of construction cost for this project is **\$219,105.00**

The City of Worthington, Ohio reserves the right to reject any and all bids and to waive irregularities in bidding.

Members of the public are hereby invited to be present at this bid opening. The City will make reasonable accommodations for persons with disabilities who wish to attend the bid opening held by the City, with a minimum 48 hours' advance notice.

Matthew H. Greeson, City Manager

Date: October 17, 2016

Publish: October 20, 2016
October 27, 2016
THE COLUMBUS DISPATCH

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Review Set
Not For Bidding

INFORMATION FOR BIDDERS

1.0 Receipt of Bids

1.1 Sealed bids will be received by the City Manager of the City of Worthington, Ohio, at the offices of the City Manager, 6550 North High Street, Worthington, Ohio 43085 until 12:00 noon, local time, on **Friday** the **4th** day of **November, 2016**, at which time and place all bids will be publicly opened and read aloud for the following: **2016 CENTRAL DISTRICT SANITARY SEWER LINING PROJECT NO. 618-15.**

1.2 Each Bid must be submitted in a sealed envelope, addressed to the City Manager, 6550 North High Street, Worthington, Ohio 43085. Each sealed envelope containing a Bid must be plainly marked on the outside as Bid for: **2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15** and the envelope should bear on the outside the name of the Bidder, the Bidder's address and the name of the Project for which the Bid is submitted. If forwarded by mail, the sealed envelope containing the Bid must be enclosed in another envelope addressed to City Manager, 6550 North High Street, Worthington, Ohio 43085.

2.0 Examination of Contract Documents and the Work Site

2.1 The Bidder is required to examine carefully the site of the Work and the Contract Documents. The Bidder, in submitting a Bid, warrants that he/she has investigated and is acquainted with the conditions to be encountered for performing the work including the character, quality, and quantities of work to be performed and materials to be furnished, the prevailing hourly wage rates for the area in which the project is located and the requirements of the Contract Documents hereinafter defined. It is mutually agreed that submission of a Bid shall be considered prima facie evidence that the Bidder has made such examination and is satisfied as to all the conditions which will affect the work.

2.2 Further submission of a Bid shall be considered evidence that the Bidder has carefully examined the site of the proposed work, that he/she is satisfied as to the nature of the subsurface conditions to be encountered in performing the work, and that the Bidder has performed all necessary subsurface test borings, laboratory analysis and other subsurface investigations preparatory to submitting an informed and intelligent Bid and to undertaking performance of the proposed work.

2.3 No pleas of ignorance of the Contract Documents, or of the conditions that exist, including subsurface conditions; or of conditions or difficulties, including subsurface conditions, that may be encountered in the execution of the work, as a result of failure to make such examination or investigation, will be accepted as an excuse for any failure or omission on the part of the contractor to fulfill in every respect all of the requirements of the Contract, nor will the same be accepted as a basis for any claim whatsoever, for extra compensation, extra work, or for any extension of time.

3.0 Interpretation of Quantities in the Bid Proposal

3.1 The quantities listed in the Bid proposal are to be considered as approximate and are to be used only for the comparison of the Bids and as a basis for computing amounts of security or penal sums of Bonds to be furnished. The item costs to be tendered by the Bidders are to be tendered expressly for the scheduled quantities and as they may be increased or decreased by duly authorized Change Orders. Payments, except for lump sum Bids, and except for lump sum items in the item cost Bids, will be made to the Contractor for the actual quantities only if work performed or materials furnished is in accordance with the Contract Documents.

4.0 Addenda

4.1 If any person contemplating submitting a Bid for the proposed Project is in doubt as to the true meaning of any part of the Contract Documents, they may submit to the Engineer a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the Contract Documents will be made only by Addendum duly issued and a copy of such Addendum will be mailed or delivered to each person receiving a set of such Contract Documents. Any such Addenda shall become part of the Contract Documents. The time for opening the bids shall be extended for one week if, within seventy-two hours before the date set for the opening of bids, the Owner mails or otherwise furnishes to prospective bidders a modification of its plans, specifications, or cost estimate for the project. The Owner will not be responsible for any other explanation or interpretation of the Contract Documents. The Engineers office hours are Monday through Friday 7:30 AM to 4:30 PM.

4.2 The Addendum process shall also be used for unspecified product substitutions. Prospective bidders shall submit written requests at least ten days before the bid closing date. Requests received after this time will not be considered.

5.0 Modification and Withdrawal of Bid

5.1 Bids may be withdrawn at any time before the scheduled closing time for receipt of bids, but may not be modified and resubmitted. No bid or bid security may be withdrawn or modified after the scheduled closing time for receipt of bids for at least Sixty (60) days except as provided in Section 9.31 of the Ohio Revised Code. Bids may be held by the City of Worthington for a period not to exceed Sixty (60) days from the date of opening for the purpose of reviewing the Bids and investigating the qualifications of Bidders prior to the award of the Contract, unless a one week extension is made pursuant to Section 153.12 of the Ohio Revised Code.

6.0 Non-collusion Affidavit and Unresolved Finding for Recovery Affidavit

6.1 Each Bidder is required to execute and submit with his/her Bid a Non-collusion Affidavit in order for his/her Bid to be considered complete.

6.2 Each Bidder is required to execute and submit with his/her Bid an Unresolved Finding for Recovery Affidavit in order for his/her Bid to be considered complete.

7.0 Bid Proposal

7.1 All Bids must be made on the Bid Proposal forms contained in the Contract Documents. Separate and distinct bids shall be required for labor and materials for each trade or kind of mechanical labor, employment, or business required for this project. Failure to comply with this requirement may result in rejection of the Bid. When more than one trade or kind of mechanical labor, employment, or business is required, no contract for the entire job, or for a greater portion thereof than is embraced in one such trade or kind of mechanical labor shall be awarded, unless the separate bids do not cover all of the work and materials required on the bids for the whole or for two or more kinds of work or materials are lower than the separate bids in the aggregate. In all items, Bids must be made separately on labor and material and the total cost for each item shall be the "Total (Sum of Labor and Material)." In the event of conflict, the "Total (Sum of Labor and Material)" of the item or lump sum Bid shall govern. Each Bidder must Bid on all Items and Alternates contained in the Bid Schedule. All Bids not in conformity with this notice may be rejected.

7.2 If an item in the Bid Proposal contains a choice to be designated by the Bidder, the Bidder shall indicate his/her choice in accordance with the specifications for that particular item, and thereafter no further choice will be permitted.

7.3 The Bidder's proposal must be signed in ink by the individual proprietor, by two or more members of the partnership, by one or more members or officers of each firm representing a joint venture, or by one or more officers of a corporation, or by an agent of the Contractor legally qualified and acceptable to the Owner. If the proposal is made by an individual, his/her name and business address must be shown; if as a joint venture, the name and business address of each member or officer of the firms represented by the joint venture must be shown; if by a corporation, the name of the state under the laws of which the corporation is chartered and the name and title of the officer or officers having authority under the by-laws to sign contracts, the name of the corporation and the business address of its corporate officials must be shown; or if by any other business entity the Owner shall require the names and address of the responsible officers of such interested persons or entities. Anyone signing a proposal as agent must file with it legal evidence of this authority to do so.

7.4 Before a contract will be awarded to a foreign corporation or a person or partnership non-resident of the State of Ohio, such foreign corporation, person, or partnership nonresident shall file with the

Secretary of State a power of attorney designating his/her or its agent for the Secretary of State, as agent for the purpose of accepting service of summons, in any action in law or equity, or both, brought in the State of Ohio.

- 7.5 Bid proposals will be considered informal, irregular, or defective and may be rejected for the following reasons:
- (a) If the proposal is on a form other than that furnished; or if the form is altered or any part thereof is detached.
 - (b) If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite, or ambiguous as to its meaning.
 - (c) If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
 - (d) If the proposal does not contain a unit price, for each pay item listed except in the case of authorized alternate pay items or lump sum items.

8.0 Bid Guaranty

8.1 Each Bid must be accompanied by a Bid Guaranty payable to the Owner in the form of either:

- (a) A Bond for the full amount of the Bid, with a corporate Surety approved by the Owner. The Bid guaranty form included herein should be used.
- (b) A certified check for 10 percent of the Bid.
- (c) A cashier's check for 10 percent of the Bid.
- (d) An irrevocable letter of credit for 10 percent of the Bid.

8.2 As soon as the Bids have been compared, the Owner will return the Bid Guaranties of all except the three lowest and best Bidders. When the Contract is executed, or the period for holding the Bids has expired, the Bid Guaranties of the two remaining unsuccessful Bidders will be returned within Ten (10) days. The Bid Guaranty of the successful Bidder will be returned after a satisfactory Contract Bond has been furnished and the Contract has been executed.

9.0 Statement of Qualifications

9.1 Each Bid must be accompanied by a Statement of Qualifications on the form provided in the Contract Documents in order for the Bid to be considered complete.

10.0 Proposed Use of Sub-Contractors for Specified Portions of the Work

10.1 Each Bid must be accompanied by a Subcontractor's list on the form provided in the Contract Documents in order for the Bid to be considered complete. Each Subcontractor's name, address and type of work to be performed shall be provided.

11.0 Bidder Investigation

11.1 The Owner may make such investigations as he/she deems necessary to determine the ability of the Bidder to perform the work, and the

Bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. In determining the award, consideration will be given to (a) whether the Bidder maintains a permanent place of business, (b) suitability of the Bidder's plant and equipment for the work, (c) Bidder's financial status and organization, (d) Bidder's record of experience in constructing improvements of this type, and (e) lowest Bid. The Owner reserves the right to reject any Bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein.

11.2 In addition, the Owner reserves the right to disqualify or refuse to consider a Bid Proposal if a Bidder is in default for any of the following reasons:

(a) More than one proposal for the same work from an individual, firm, or corporation under the same or different name, or corporation under the same name or corporation with one or more of the same persons as officers of such corporations, or corporations who are holding companies or holding companies which are subsidiaries of such corporations.

(b) Evidence of collusion among bidders.

(c) Bid prices which obviously are unbalanced.

(d) Lack of competency and for inadequate machinery, plant or other equipment, as revealed by experience questionnaires required by the proposal.

(e) Uncompleted work, whether or not with the Owner, which in the judgment of the Owner, might hinder or prevent the prompt completion of additional work if awarded.

(f) Failure to perform previous contracts adequately or a breach of prior contracts, whether or not the breach was waived by the Owner at a prior time.

(g) Any other reasonable cause.

11.3 Before any contract is awarded, the Bidder may be required to furnish a complete statement of the origin, composition, and manufacture of any or all materials to be used in the construction of the work together with samples, which samples may be subjected to the tests provided for in these specifications to determine their quality and fitness for the work.

12.0 Combination or Conditional Proposals

12.1 If the Owner so elects, proposals may be issued for the project in combination and/or separately, so that bids may be submitted either on the combination or on separate units of the combination. The Owner reserves the right to make awards on combination bids or separate bids to the best advantage of the Owner. No combination bids, other than those specifically set upon the proposals, will be considered. Separate contracts will be written for each individual project included in the combination.

13.0 Contract Award and Execution

13.1 After the proposals are opened and read aloud, they will be compared on the basis of the summation of the products of the approximate quantities shown in the proposal by the total (sum of labor and material) price. In the event of a discrepancy between the total (sum of labor and material) price and the extensions, the total (sum of labor and material) price shall govern. The Owner shall also determine any alternate Items as stipulated in the Bid Proposal to be performed and they will be included in above summation. The right is reserved to reject any or all proposals, to waive technicalities or to advertise for new proposals, if in the judgment of the Owner its best interests will be promoted thereby.

13.2 The award of the work, if it is awarded, will be made as soon as is reasonably possible after the opening of the Bids to the lowest and best Bidder whose proposal complies with all the requirements prescribed. In no case will an award be made until all necessary investigations are made as to the responsibility of the Bidder to whom it is proposed to award the contract. No bid will be accepted if it exceeds the cost estimate by more than 10%.

13.3 The Owner reserves the right to rescind the award of the work at any time before the execution of the Contract by all parties without incurring any liability. Therefore, if the Contractor changes its position, economically or otherwise, after receiving a verbal or written notice of award and in reliance upon the Owner executing the Contract, the Contractor agrees to do so solely at its own risk and the Owner will not incur any liability from the Contractor's change of position.

13.4 The lowest and best Bidder to whom the work is awarded will be required to execute the Contract and to furnish the required Contract Bond, Certificates of Insurance, and Personal Property Tax Affidavit within 10 calendar days from the date when Notice of Award is communicated in writing or orally to the Bidder. In case of failure of

the Bidder to execute the Contract, the Owner may, at his/her option, consider the Bidder in default, in which the Bidder will be subject to liability as set forth in Section 153.54 of the Ohio Revised Code. The award may then be made to the next lowest and best Bidder, or the work may be readvertised as the Owner may decide.

13.5 A Contract Bond in the amount of 100 percent of the Contract price, with a corporate Surety approved by the Owner, will be required for the faithful performance of the Contract. The Contract Bond form included herein shall be used.

13.6 The Contract Bond furnished by the Contractor shall remain in effect until the expiration of the one year guarantee period as assurance of the guarantee herein stipulated.

13.7 All Bid Guaranty and Contract Bonds shall be signed by an authorized agent of an acceptable Surety Bonding Company and by the Bidder. Surety Bonding Company bonds shall be supported by credentials showing the power of attorney of the agent, the Certificate showing the legal rights of the Bonding Company to do business in the State of Ohio and a financial statement of the surety. These supporting credentials need only be furnished by the successful Bidder upon the award of the work.

13.8 The lowest and best Bidder will further be required to furnish the Owner with a complete breakdown of the lump sum Bid items to the satisfaction of the Engineer before signing the Contract. The lump sum breakdown shall be in sufficient detail to provide a check of claims for partial payments requests.

13.9 The Notice to proceed shall be communicated in writing or orally to the Contractor within 10 days of the execution of the Contract by the Owner. Should there be reasons why the Notice to Proceed cannot be issued within such period, the time may be extended by mutual Agreement between the Owner and Contractor.

14.0 Personal Property Tax Affidavit

14.1 The lowest and best Bidder shall, after the award of the work but before the Contract is executed, submit to the Owner a Personal Property Tax Affidavit that he/she was not charged at the time the Bid was submitted with any delinquent personal property taxes on the general tax list of personal property of any county in which the taxing district (City of Worthington) has territory, or that such person was charged with delinquent personal property taxes on any such tax list, in which case the statement shall also set forth the amount of such due and unpaid delinquent taxes and any due and unpaid penalties and interest thereon.

15.0 Insurance

15.1 The Contractor shall purchase and maintain insurance on an occurrence basis as will protect him/her and the Owner from claims set forth below which arise out of or result from the Contractor's execution of the work, whether such execution be by him/herself or by any

Subcontractor or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

- (a) Claims under Workers' Compensation, disability benefit, and other similar employee benefit acts.
- (b) Claims for damages because of bodily injury, occupational sickness or disease, or death of his/her employees.
- (c) Claims for damages because of bodily injury, sickness or disease, or death of any person other than his/her employees.
- (d) Claims for damages insured by usual personal injury liability coverage which are sustained (1) by any person as a result of an offense directly or indirectly related to the employment of such person by the Contractor, or (2) by any other person.
- (e) Claims for damages because of injury to or destruction of tangible property, including loss of use resulting therefrom.

15.2 Certificates of Insurance acceptable to the Owner and naming the Owner as an additional insured shall be filed with the Owner prior to execution of the Contract. Insurance Coverage shall not terminate without due notice to the City of Worthington.

15.3 The Contractor shall purchase and maintain, during the duration of the Contract, Comprehensive General and Automobile Liability insurance issued to the Contractor and protecting him/her from all claims for personal injury, including death, and all claims for destruction of or damage to property, arising out of or in connection with any operations under the Contract Documents, whether such operations be by him/herself or by any Subcontractor under him/her, or anyone directly or indirectly employed by the Contractor or by a Subcontractor under him/her. Insurance shall be written with limits of liability of not less than \$500,000.00 for each person and \$1,000,000.00 for each occurrence for all damages arising out of bodily injury, including death at any time resulting therefrom, and not less than \$500,000.00 for all property damages sustained in any one occurrence and shall include coverage for:

- (a) Claims arising after the Contractor and Subcontractor have completed their work (completed operations and product liabilities coverage).
- (b) Claims arising from the liability assumed by the Contractor under this Contract including third party beneficiary liability coverage.
- (c) Claims arising from property damage to wires, conduits, pipes, mains, sewers, tanks, tunnels, any similar property and any apparatus in connection therewith beneath the surface of the ground or water, caused by and occurring during the use of mechanical equipment for the purpose of grading land, paving, excavating, drilling, borrowing, filling, backfilling, tunneling, or pile driving.

- (d) Claims for property damage arising out of collapse of or structural injury to any building or structure due to grading of land, excavating, borrowing, filling, backfilling, tunneling, pile driving, cofferdam work or caisson work.

15.4 In addition, the following coverages shall be provided if the work contemplated by the contract involves such operations:

- (a) Claims for damage to property arising from operations directly or indirectly incident to blasting or explosion, however caused.
- (b) Claims for damage to property arising out of moving, shoring, underpinning, raising or demolition of any building or structure, or removal or rebuilding of any structural support thereof.
- (c) Umbrella Excess Liability Insurance to extend existing policies to the required limits will be accepted.

15.5 The Contractor shall purchase and maintain, during the Contract Time, All Risk Builders Risk Insurance upon the Project to the full insurable value thereof for the benefit of the Owner, the Contractor, and Subcontractors as their interest may appear. This provision shall in no way release the Contractor or Contractor's Surety from obligations under the Contract Documents to fully complete the Project.

15.6 The Contractor shall purchase and maintain, during the Contract time, in accordance with the provisions of the laws of Ohio, Workers' Compensation Insurance, including occupational disease provisions, for all of his/her employees at the site of the Project and in case any work is sublet, the Contractor shall require such Subcontractor similarly to provide Workers' Compensation Insurance, including occupational disease provisions for all of the latter's employees unless such employees are covered by the protection afforded by the Contractor. In case any class of employees engaged in hazardous work under this contract at the site of the Project is not protected under Workers' Compensation statute, the Contractor shall provide, and shall cause each Subcontractor to provide, adequate and suitable insurance for the protection of his/her employees not otherwise protected.

15.7 In order to comply with this requirement, the Contractor shall furnish and attach to each executed set of the Contract Documents, a copy of the Workmen's Compensation Certificate showing that the Contractor has paid his/her industrial insurance premium. Renewal certificates shall be furnished as necessary during the life of the Contract.

16.0 Prevailing Wage

16.1 The Contractor to whom the work is awarded will be required to pay laborers, workmen, mechanics and other employees on the work under this Contract not less than the prevailing wage scale in accordance with Chapter 4115 of the Ohio Revised Code. The Payroll Information and Final Payroll Affidavit forms contained in the Contract Documents shall be filled out as specified in Section 38 of the General Conditions.

17.0 Supplemental General Conditions and Supplemental Specifications

17.1 Supplemental General Conditions and Supplemental Specifications, when included, shall supplement and/or modify the General Conditions and Specifications included herein and shall govern whenever there is a conflict in meaning.

18.0 Bonds Accompanying Bid To Be Executed By Authorized Surety

18.1 A bid shall be deemed nonresponsive and shall be rejected if the bidder submits with his/her bid a bid guaranty, contract bond, payment bond, or combination of such bonds, executed by a surety not licensed, or a surplus lines company not approved, by the Superintendent of Insurance to execute such a bond in the State of Ohio.

Review Set
Not For Bidding

BIDDING FORMS

Review Set
Not For Bidding

BID GUARANTY, CONTRACT BOND AND MAINTENANCE BOND

(O.R.C. 153.571-- Not to be filled out if a certified check, cashier's check or letter of credit is submitted.)

KNOW ALL PERSONS BY THESE PRESENTS, that we, the undersigned _____, as Principal and _____ as Surety, are hereby held and firmly bound unto the City of Worthington, as obligee in the penal sum of the dollar amount of the bid submitted by the Principal to the obligee on _____, 20__ to undertake the project known as _____ . The penal sum referred to herein shall be the dollar amount of the Principal's bid to the obligee, incorporating any additive or deductive alternate bids made by the Principal on the date referred to above to the obligee, which are accepted by the obligee. In no case shall the penal sum exceed the amount of _____ dollars (\$_____). (If the foregoing blank is not filled in, the penal sum will be the full amount of the Principal's bid, including alternates. Alternatively, if the blank is filled in, the amount stated must not be less than the full amount of the bid including alternatives, in dollars and cents. A percentage is not acceptable.) For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this _____ day of _____, 20__.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named Principal has submitted a bid for _____ [the Project].

Now, therefore, if the obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the obligee the difference not to exceed ten per cent (10%) of the penalty hereof between the amount specified in the bid and such larger amount for which the obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the obligee does not award the contract to the next

lowest bidder and resubmits the project for bidding, the Principal pays to the obligee the difference not to exceed ten per cent (10%) of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the obligee accepts the bid of the Principal and the Principal within ten (10) days after the awarding of the contract enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein.

Now also, if the said Principal shall well and faithfully do and perform the things agreed by said Principal to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, materials suppliers, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materials suppliers or laborer having a just claim, as well as, for the obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of the said contract or in or to the plans or specifications therefor shall in any wise affect the obligations of said surety on its bond.

FURTHER, it is expressly understood and agreed that this Bond shall remain in full force and effect and continue as a guarantee of workmanship and materials for a period of one (1) year after completion of the contract for the Project and final acceptance of the completed work by the obligee City of Worthington.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed, and these presents to be signed by their proper officers, the day and year first set forth above.

Principal

By: _____
Title

Surety

By: _____
Title

The foregoing Bid Guaranty is hereby approved:

CITY OF WORTHINGTON

By: _____
City Manager

By: _____
Director of Finance

Approved as to Form:

By: _____
Director of Law

IMPORTANT - Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and must not exceed the underwriting limitation. Surety companies and their agents or attorneys-in-fact must be authorized to transact business in the state where the Project is located and shall furnish proof of such authorization in the Bid.

UNRESOLVED FINDING FOR RECOVERY AFFIDAVIT

Complete one of the two affidavits below.

STATE OF OHIO)
) ss
COUNTY OF FRANKLIN

The undersigned, being first duly sworn, is the _____
(title and office) of _____ (company), and states that,
upon inspection of all pertinent records, that the Auditor of the State
of Ohio has not issued a finding for recovery against said company and
which recovery is unresolved, pursuant to Section 9.24 of the Ohio
Revised Code.

Affiant

Sworn to and subscribed before me this _____ day of _____, 2016.

Notary Public

STATE OF OHIO)
) ss
COUNTY OF FRANKLIN

The undersigned, being first duly sworn, is the _____
(title and office) of _____ (company), and states that
the Auditor of the State of Ohio has issued a finding of recovery against
the company, but, that under Section 9.24, said recovery is not
unresolved pursuant to one or more of the following factors (initial
those that apply):

_____ The money identified in the finding for recovery is paid in full to
the state agency or political subdivision to whom the money was owed;

_____ The debtor has entered into a repayment plan that is approved by the
attorney general and the state agency or political subdivision to whom
the money identified in the finding for recovery is owed.

_____ The attorney general has waived a repayment plan for good cause
shown.

_____ The debtor and state agency or political subdivision to whom the
money identified in the finding for recovery is owed have agreed to a
payment plan established through an enforceable settlement agreement.

_____ The state agency or political subdivision desiring to enter into
the contract with a debtor certifies, and the attorney general concurs,
that all of the following are true:

1. Essential services the state agency or political subdivision is
seeking to obtain from the debtor cannot be provided by any other
person besides the debtor;

2. Awarding a contract to the debtor for the essential services described in (1) above is in the best interest of the state;
3. Good faith efforts have been made to collect the money identified in the finding of recovery.

_____ The debtor has commenced an action to contest the finding for recovery and a final determination on the action has not yet been reached.

Affiant

Sworn to and subscribed before me this ____ day of _____, 2016.

Notary Public

Review Set
Not For Bidding

NON-COLLUSION AFFIDAVIT

State of Ohio

County of Franklin

Project Name: 2016 CENTRAL DISTRICT SANITARY SEWER LINING

Project No.: 618-15

Being first duly sworn, deposes and says that he/she is

Sole (owner, a partner, president, secretary, etc.)

of _____,
the party making the foregoing Bid: that such Bid is not in the interest of or on behalf of any undisclosed person, partnership, company, association, or corporation; that such Bid is genuine and not collusive or sham; that said Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham Bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham Bid, or that anyone shall refrain from bidding; that said Bidder has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the Bid price of or cost element of such Bid price, or of that of any other Bidder, or anyone interested in the proposed contract; that all statements contained in such bid are true; and, further, that said Bidder has not, directly or indirectly, submitted his/her Bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in association, organization, Bid depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or the financial interest with said Bidder in his/her general business.

Signed:

(Contractor)

(Title)

Subscribed and sworn to before me this _____ day of _____, 20__.

Seal of Notary Public

BID PROPOSAL

BID PROPOSAL

Project: 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15

Description of Project:

Installation of Cured In Place Piping for the Central District Sanitary Sewer lines as designated in these specifications and attached mapping. Locations throughout the City of Worthington.

To: Mr. Matthew H. Greeson
6550 N. High St.
City of Worthington
Worthington, Ohio 43085

After a careful examination of the specifications, form of Contract, and the site of the proposed work, the undersigned hereby proposes and agrees, if this proposal be accepted, to enter into Contract, using the form of contract provided for, to furnish all equipment, labor, materials, and construction to complete the said work in accordance with the terms and conditions specified, and to furnish a satisfactory bond, in the amount of the total amount of the Contract, conditioned as in the form prescribed by law as a guarantee for the faithful performance of the Contract, for the following prices:

Review
Not For Bidding

DESCRIPTION	UNIT PRICE IN FIGURES			TOTAL EXTENDED
	MATERIAL	LABOR	TOTAL (SUM OF MAT. AND LABOR)	
999.001 Sanitary Sewer Lined (8-in) 3577 LF				
999.002 Sanitary Sewer Lined (10-in) 503 LF				
999.003 Sanitary Sewer Lined (12-in) 1030 LF				
999.101 Sanitary Sewer Service Restored 93 EA				
999.102 Protruding Tap Trimmed 1 EA				
999.103 Obstruction Removed 1 EA				

Total Bid in Numbers: \$ _____

Total Bid in Words: _____

In case a discrepancy exists between the above amount as written in numbers and in words, the amount as written in words shall govern.

Documents to Accompany Bids

The Bidder shall be aware that the following fully executed documents are required in order for his/her bid to be considered:

1. Noncollusion Affidavit
2. Bid proposal
3. Bid Guaranty
4. Unresolved Finding for Recovery Affidavit
5. Statement of Qualifications
6. Proposed Use of Sub-Contractors for Specific Portions of the Work
7. A signed certificate from a surety company acceptable to the Owner that such surety shall provide the Bidder if the Bidder is awarded the Contract, with a Contract Bond.

Signature of Bidder

Date _____ Firm Name _____

Official Address _____

BY: _____

Title: _____

Other Interested Persons

NAME _____ ADDRESS _____

NAME _____ ADDRESS _____

NAME _____ ADDRESS _____

NAME _____ ADDRESS _____

The Bidder acknowledges the receipt of the following Addenda:

Review Set
Not For Bidding

CONTRACT FORMS

PERSONAL PROPERTY TAX AFFIDAVIT

State of _____

County of _____

The undersigned _____ being first duly sworn, deposes and says that I am _____ (sole owner, partner, president secretary, etc.)

Of the party making the foregoing Bid and the party awarded the Contract by the Owner. Furthermore, I hereby affirm under oath, pursuant to Section 5719.042 of the Ohio Revised Code, that at the time the Bid was submitted, the above party (was) (was not) charged with delinquent personal property taxes on the General Tax List of Personal Property for Franklin County, Ohio.

If such charge for delinquent personal property tax exists on the General Tax List of personal property for Franklin County, Ohio, the amount of such due and unpaid delinquent taxes, including due and unpaid penalties and interest shall be set forth below. In such case, a copy of this statement shall be transmitted by the Director of Finance to the County Treasurer within 30 days of the date it is submitted.

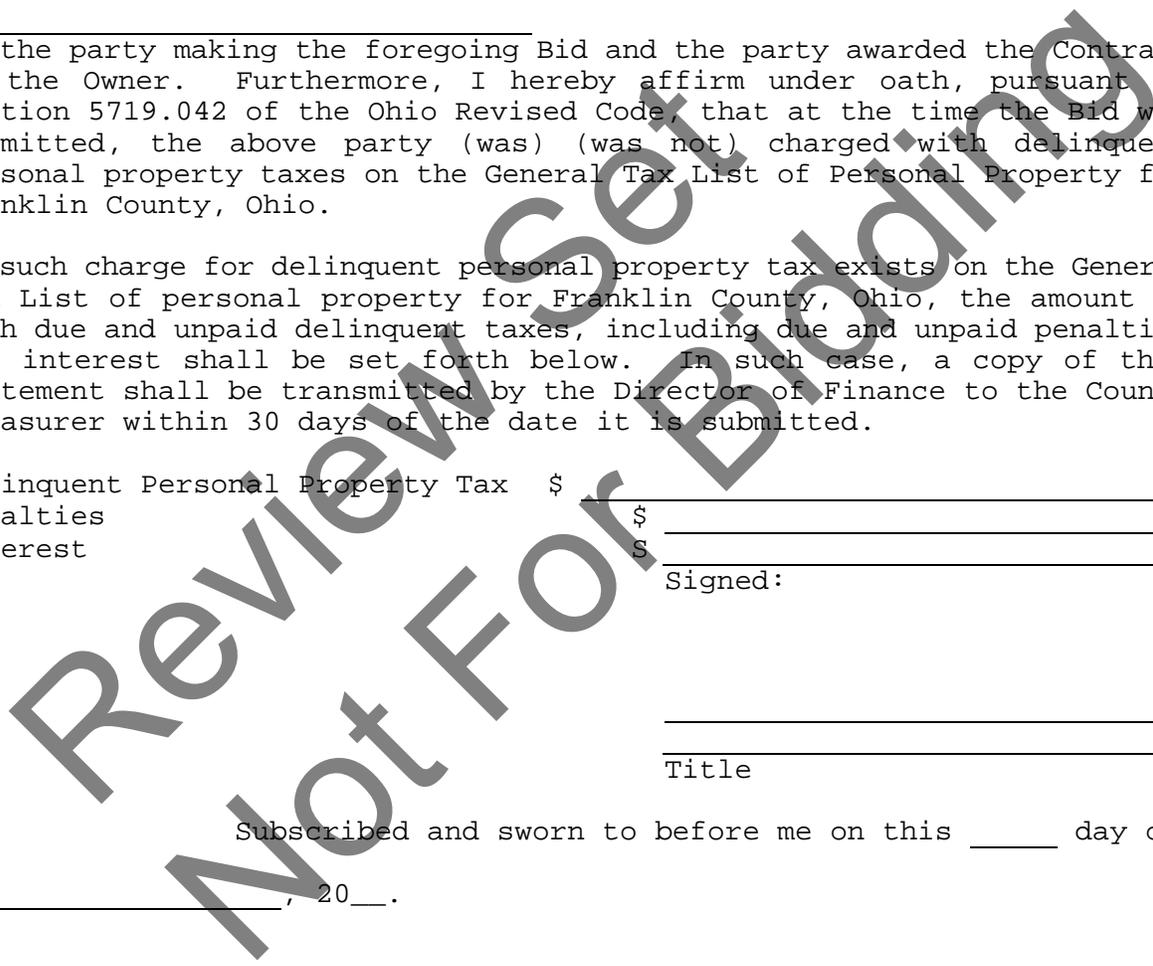
Delinquent Personal Property Tax \$ _____
Penalties \$ _____
Interest \$ _____

Signed:

Title

Subscribed and sworn to before me on this _____ day of _____, 20__.

Notary Public



CONTRACT

This Contract made as of this ____ day of _____, 20__, by and between the City of Worthington, an Ohio municipal corporation (hereinafter referred to as the "Owner"), and _____, (corporation, partnership or individual) (hereinafter referred to as the "Contractor").

WITNESSETH: That for and in consideration of the mutual covenants hereinafter stipulated to be kept and performed, the Owner and the Contractor agree as set forth below:

Article I. Scope

The Contractor hereby agrees to furnish all of the materials, supplies, tools, equipment, labor and other services necessary for the construction and completion of: 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15, in accordance with the requirements and provisions of the following Documents as well as the Contract Documents as hereinafter defined and which are hereby made a part of this Contract:

(a) Specifications and supplemental specifications prepared or issued by DLZ dated June 27, 2016 , and revised _____ (N/A) , 2016.

(c) Addenda.

No. _____ dated _____, 20__.

(d) Bidding requirements including Advertisement for Bids and Information for Bidders.

(e) Bidding forms including Bid Guaranty, Non-Collusion Affidavit, Statement of Qualifications, Bid Proposal, Unresolved Finding for Recovery Affidavit and Proposed Use of Sub-Contractors for Specific Portions of the Work.

(f) Contract Forms and General Conditions including Contract, Contract Bond, Personal Property Tax Affidavit, Certificates of Insurance, Notice of Award, Notice to Proceed, Change Order, Affidavit of Payment, Payroll Information, General Conditions, Supplemental General Conditions, Specifications, and Supplemental Specifications, Drawings, and Prevailing Rates of Wages.

Article II. Time

(a) The work to be performed under this Contract shall be commenced within Ten (10) calendar days after receipt of the Notice to proceed. The work shall be completed within 90 calendar days after receipt of the Notice to proceed unless the period for completion is extended otherwise by the Contract Documents.

(b) Failure to complete the work within the number of calendar days stated in this Article, including extensions granted thereto as

determined by the General Conditions made applicable to the Contract, shall entitle the Owner to deduct from the monies due to the Contractor as liquidated damages an amount equal to \$100.00 for each calendar day of delay in the completion of the work.

Article III. Payment

(a) Subject to additions and deductions by Change Order and quantities actually performed, the Owner shall pay the Contractor for work in the manner and at such times as set forth in the General Conditions, the sum of \$ _____

(_____ .

(b) The Owner shall make progress payments on account of the Contract for labor performed and for material delivered to the site of work and shall retain a percentage as provided in the General Conditions applicable to the Contract.

This Contract shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors and assigns.

IN WITNESS WHEREOF, the parties have executed or caused to be executed by their duly authorized officials this Contract in quadruplicate, each of which shall be deemed an original, as of the year first written above.

ATTEST:

CITY OF WORTHINGTON

BY:

CITY MANAGER

ATTEST:

CONTRACTOR

BY:

TITLE

Approved as to Form:

BY:

Director of Law

Review Set
Not For Bidding

DEPARTMENT OF FINANCE CERTIFICATE

It is hereby certified that the amount of \$ _____ required to meet the Contract, Agreement, Obligation, payment or Expenditure, for the above has been lawfully appropriated, authorized or directed for such purpose, is in the Treasury or in the process of collection to the credit of the _____ 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT Number 618-15 account number 308.8170.533346 Fund and is free from any obligation or certification now outstanding.

CITY OF WORTHINGTON

BY: _____

Director of Finance

Dated: _____

Review Set
Not For Bidding

BID GUARANTY, CONTRACT BOND AND MAINTENANCE BOND

(O.R.C. 153.571-- Not to be filled out if a certified check, cashier's check or letter of credit is submitted.)

KNOW ALL PERSONS BY THESE PRESENTS, that we, the undersigned _____, as Principal and _____ as Surety, are hereby held and firmly bound unto the City of Worthington, as obligee in the penal sum of the dollar amount of the bid submitted by the Principal to the obligee on _____, 20__ to undertake the project known as _____. The penal sum referred to herein shall be the dollar amount of the Principal's bid to the obligee, incorporating any additive or deductive alternate bids made by the Principal on the date referred to above to the obligee, which are accepted by the obligee. In no case shall the penal sum exceed the amount of _____ dollars (\$_____). (If the foregoing blank is not filled in, the penal sum will be the full amount of the Principal's bid, including alternates. Alternatively, if the blank is filled in, the amount stated must not be less than the full amount of the bid including alternatives, in dollars and cents. A percentage is not acceptable.) For the payment of the penal sum well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this _____ day of _____, 20__.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH, that whereas the above named Principal has submitted a bid for _____ [the Project].

Now, therefore, if the obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the obligee the difference not to exceed ten per cent (10%) of the penalty hereof between the amount specified in the bid and such larger amount for which the obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the obligee does not award the contract to the next

lowest bidder and resubmits the project for bidding, the Principal pays to the obligee the difference not to exceed ten per cent (10%) of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect; if the obligee accepts the bid of the Principal and the Principal within ten (10) days after the awarding of the contract enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein.

Now also, if the said Principal shall well and faithfully do and perform the things agreed by said Principal to be done and performed according to the terms of said contract; and shall pay all lawful claims of subcontractors, materials suppliers, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of said contract; we agreeing and assenting that this undertaking shall be for the benefit of any materials suppliers or laborer having a just claim, as well as, for the obligee herein; then this obligation shall be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

The said surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of the said contract or in or to the plans or specifications therefor shall in any wise affect the obligations of said surety on its bond.

FURTHER, it is expressly understood and agreed that this Bond shall remain in full force and effect and continue as a guarantee of workmanship and materials for a period of one (1) year after completion of the contract for the Project and final acceptance of the completed work by the obligee City of Worthington.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed, and these presents to be signed by their proper officers, the day and year first set forth above.

Principal

By: _____
Title

Surety

By: _____
Title

The foregoing Bid Guaranty is hereby approved:

CITY OF WORTHINGTON

By: _____
City Manager

By: _____
Director of Finance

Approved as to Form:

By: _____
Director of Law

IMPORTANT - Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and must not exceed the underwriting limitation. Surety companies and their agents or attorneys-in-fact must be authorized to transact business in the state where the Project is located and shall furnish proof of such authorization in the Bid.

NOTICE OF AWARD

To: _____

Project Description: 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15.

The Owner has considered the Bid submitted by you on November 4, 2016, (Bid Date) for the above described work in response to its Advertisement for Bids and Information for Bidders.

You are hereby notified that your Bid has been accepted for items in the amount of \$ _____ (Fill in amount))

You are required by the Information for Bidders to execute the Contract and to furnish the required Contract Bond, Certificate of Insurance and Personal property Tax Affidavit within ten calendar days from the date of this notice to you.

If you fail to execute said Contract and to furnish said Contract Bond within ten days from the date of this notice, said Owner will be entitled to consider all your rights arising out of the Owner's acceptance of your Bid as abandoned and as a forfeiture of your Bid guaranty subject to the liability as set forth in Section 153.64 of the Ohio Revised Code. The Owner will be entitled to such other rights as may be granted by law.

The Owner reserves the right to rescind the award of the work at anytime before the execution of the Contract by all parties without incurring any liability. Therefore, if you change your position, economically or otherwise, after receiving a verbal or written notice of award and in reliance upon the Owner executing the Contract, you agree to do so solely at your own risk and the Owner will not incur any liability from your change of position.

You are required to return an acknowledged copy of this Notice of Award to the Owner.

Dated this _____ day of _____, 20__.

CITY OF WORTHINGTON

BY: _____
City Manager

ACCEPTANCE OF NOTICE

Receipt of the above Notice of Award is hereby acknowledged by _____
_____, this _____ day of _____,
2016_.

Name and Title

cc: Contractor's Surety
Surety's Agent

(Note: R.C. 9.32 requires that the Surety and its Agent be given written notice by mail of the award of the contract.)

Review Set
Not For Bidding

NOTICE TO PROCEED

To: _____ Date: _____

Project Description: 2016 CENTRAL DISTRICT SANITARY SEWER LINING,
PROJECT NO. 618-15

You are hereby notified to commence work in accordance with the Contract dated _____, 2016_, and you are to complete the work within _____ consecutive calendar days thereafter. The date of completion of all work is therefore _____, 201__.

You are required to return an acknowledged copy of this Notice to Proceed to the Owner.

Dated: _____, 20___. CITY OF WORTHINGTON

BY: _____
City Manager

Acceptance of Notice

Receipt of the above Notice to proceed is hereby acknowledged by

this _____ day of

2016_.

BY: _____

Name: _____

Title: _____

CHANGE ORDER

Order No.: _____
Date: _____
Agreement Date: _____

Name of Project: **2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15**

Owner: **City of Worthington**

Contractor: _____

The following changes are hereby made to the Contract Documents:

*Justification:

Change to Contract price:

Original Contract Price: \$ _____

Current Contract Price adjusted by previous Change Order \$ _____

The Contract price due to this Change Order will be (increased)/(decreased) by: \$ _____.

The new Contract price including this Change Order will be \$ _____

Change to Contract Time:

The Contract Time will be (increased) (decreased) by _____ calendar days.

The date for completion of all work will be _____ (Date).

Requested by: _____
Name Title

Recommended by: _____
Name Title

Approved by: _____
Name Title

Review Set
Not For Bidding

PREVAILING RATES OF WAGES

See Attachment A

Review Set
Not For Bidding

GENERAL CONDITIONS

1.0 Conformity with Plans and Specifications

1.1 All work performed and all materials furnished shall be in reasonably close conformity with the lines, grades, cross sections, dimensions and material requirements, including tolerances, shown on the plans or indicated in the specifications.

1.2 In the event the Engineer finds the materials, or the finished product in which the materials are used, not within reasonably close conformity with the plans and specifications but that reasonably acceptable work has been produced, he/she shall then make a determination if the work shall be accepted and remain in place. In this event, the Engineer will document the basis of acceptance by contract modification which may provide for an appropriate adjustment in the contract price for such work or materials as he/she deems necessary to conform to his/her determination based on engineering judgment.

1.3 In the event the Engineer finds the materials of the finished product in which the materials are used or the work is performed are not in reasonably close conformity with the plans and specifications and have resulted in an inferior or unsatisfactory product, the work or materials shall be removed and replaced or otherwise corrected by and at the expense of the Contractor.

1.4 Upon the order of the Engineer, failure of the contractor to follow the order of the Engineer, pursuant to this section, shall give the Owner the unqualified right to supply the materials for the finished product and perform the labor or cause it to be performed and any and all expense chargeable thereto, directly or indirectly, shall be deducted or billed to the Contractor.

2.0 Schedules, Reports and Records

2.1 The Contractor shall submit to the Owner such schedule of quantities and costs, progress schedules, payrolls, reports, estimates, records, and other data where applicable as required by the Contract Documents for the work to be performed.

2.2 Within 15 days after the execution of the Contract the Contractor shall submit construction progress schedules showing the order in which he/she proposes to carry on the work, including dates at which he/she will start the various parts of the work, estimated date of completion for each part, and as applicable:

- (a) The dates at which special detail drawings will be required.
- (b) Respective dates for submission of Shop Drawings, the beginning of manufacture, the testing and the installation of materials, supplies, and equipment.

2.3 If the Contractor's operations are materially affected by changes in the plan or in the amount of the work or if he/she has failed to comply with the approved schedule, the Contractor shall submit a

revised progress schedule, if requested by the Engineer, which schedule shall show how he/she proposes to prosecute the balance of the work. The Contractor shall submit the revised progress schedule within ten days after the date of the request.

2.4 The Contractor shall incorporate into every progress schedule submitted any Contract requirements regarding the order of performance of portions of the work. The Contractor shall use all practicable means to make the progress of the work conform to that shown on the progress schedule which is in effect. Should the prosecution of the work, for any reason, be discontinued, the Contractor shall notify the Engineer at least 24 hours in advance of resuming operations.

2.5 The Contractor shall submit three (3) copies of a current program schedule with each request for payment. Failure to submit an updated, realistic and accurate progress schedule will be sufficient cause for the Engineer to decline to approve the request for payment. In the event the Engineer determines that the Contractor is behind schedule and may be subject to liquidated damages for delay, the Engineer will deduct from the Contractor's request for payment such sum as the Engineer estimates may be reasonable for such liquidated damages. If the progress is improved and the Engineer estimates that the Contractor is back on schedule, the liquidated damages will be released in the current request for payment.

2.6 The Contractor shall also submit a schedule of payments that he/she anticipates he/she will earn during the course of work.

2.7 Whenever the work accomplished to date deviates from the latest construction progress schedules, the Contractor shall submit revised construction progress schedules indicating the work accomplished to date and the work to be done. When the work to be done is behind schedule, the Contractor shall include the necessary remedial measures to put the work on schedule.

3.0 Engineer's Authority

3.1 The Engineer shall act as the Owner's representative during the construction period. He/she shall decide questions which may arise as to quality and acceptability of materials furnished and work performed. He/she shall interpret the intent of the Contract Documents in a fair and unbiased manner. The Engineer will make periodic visits to the site and determine if the work is proceeding in accordance with the Contract Documents.

3.2 The Engineer will not be responsible for the construction means, controls, techniques, sequences, procedures, or construction safety.

3.3 The Engineer has immediate charge of the engineering details of each construction project. He/she is responsible for the administration and satisfactory completion of the project. The Engineer has the authority to reject defective material and to suspend any work that is being improperly performed.

3.4 The Engineer will have the authority to suspend the work wholly or in part due to the failure of the Contractor to correct conditions unsafe for the workers or the general public; for failure to carry out provisions of the Contract; for failure to carry out orders; for such periods as he/she may deem necessary due to unsuitable weather.

The suspension of the work for the above reasons does not relieve the Contractor of his/her responsibility according to Section 11 of these General Conditions.

3.5 In the event the Engineer orders the work suspended for unsafe conditions, whether they be unsafe to workers or the public, or unsuitable weather, use of defective material not in conformity with the specifications or because work is being improperly performed, the expense, whether direct or indirect for such suspension shall be borne solely by the Contractor.

4.0 Owner's Inspector

4.1 Inspectors employed by the Owner will be authorized to inspect all work done and materials furnished. Such inspection may extend to all or any part of the work and to the preparation, fabrication or manufacture of the materials to be used. The Inspector is not authorized to alter or waive the provisions of the Contract. He/she shall have the authority to reject materials which do not meet specification requirements or suspend the portion of the work involved until any question at issue can be referred to and decided by the Engineer. The Inspector is not authorized to issue instructions contrary to the plans and specifications, or to act for the Contractor.

5.0 Inspection and Testing

5.1 All materials and equipment used in the construction of the Project shall be subject to inspection and testing in accordance with accepted standards, as required and defined in the Contract Documents.

5.2 The Owner shall provide all inspection and testing services not required by the Contract documents.

5.3 The Contractor shall provide all the testing and inspection services required by the Contract Documents.

5.4 If the Contract Documents, laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction require any work to specifically be inspected, tested, or approved by someone other than the Contractor, the Contractor will give the Engineer timely notice of readiness. The Contractor will then furnish the Engineer the required certificates of inspection, testing, or approval.

5.5 Inspections, tests or approvals by the Engineer or others shall not relieve the Contractor from his/her obligations to perform the work in accordance with the requirements of the Contract Documents.

5.6 The Engineer and his/her representatives will at all times have access to the work. In addition, authorized representatives and agents of the Owner and any participating federal or state agency shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work and also for any inspection or testing thereof.

5.7 If any work is covered, contrary to the written instructions of the Engineer, it must be uncovered for the Engineer's observation and replaced at the Contractor's expense.

5.8 If the Engineer considers it necessary or advisable that covered work be inspected or tested by others, the Contractor at the Engineer's request, will uncover, expose or otherwise make available for observation, inspection or testing as the Engineer may require, that portion of the work in question, furnishing all necessary labor, materials, tools, and equipment. If it is found that such work is defective, the Contractor will bear all the expenses of such uncovering, exposure, observation, inspection and testing, and of satisfactory reconstruction. If, however, such work is not found to be defective, the Contractor may be allowed an increase in the Contract price or an extension of the Contract price or an extension of the Contract time, or both, directly attributable to such uncovering, exposure, observation, inspection, testing, and reconstruction and an appropriate Change Order may be issued.

6.0 Correction of Work

6.1 Unacceptable work, whether the result of poor workmanship, nonconformity with Contract Documents, use of defective materials, damage through carelessness or any other cause, found to exist prior to the final acceptance of the work, shall be removed immediately and replaced in an acceptable manner by the Contractor. The Contractor shall bear the expense of all work of other Contractors destroyed or damaged by such removal or replacement.

6.2 Work done contrary to the instructions of the Engineer, work done beyond the lines shown on the plans, or any extra work done without authority, will be considered as unauthorized and will not be paid for under the provisions of the Contract. Work so done may be ordered removed or replaced at the Contractor's expense.

6.3 If the Contractor does not comply with any reasonable order of the Engineer under the provisions of this section within 10 days after receipt of written notice, the Owner will have authority to cause unacceptable work to be remedied at the expense of the Contractor.

6.4 The correction of all items shall be completed in all respects within thirty (30) days after the date of Substantial Completion unless specifically noted otherwise. If punch list items are not completed or corrected by this date, the Owner has the right to perform the work by other means and the cost of the same will be charged against the Contractor originally responsible for the work.

6.6 If more than one inspection by the Engineer is required for the purpose of evaluating punch list items to be completed or corrected, such inspection will be performed at the Contractor's expense.

7.0 Surveys, Permits, Regulations, Land and Right-of-Way

7.1 The Owner shall establish control points for locating the principal component parts of the work together with a suitable number of bench marks adjacent to the work as shown in the Contract Documents. From the information provided by the Owner, unless otherwise specified in the Contract Documents, the Contractor shall develop and make all detail surveys needed for construction such as slope stakes, better boards, stakes for pile locations and other working points, lines, elevations, and cut sheets.

7.2 Permits and licenses of a temporary nature necessary for the prosecution of the work shall be secured and paid for by the Contractor unless otherwise specified. Permits, licenses, and easements for permanent structures or permanent changes in existing facilities shall be secured and paid for by the Owner, unless otherwise specified. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the Contract Documents are at variance therewith, he/she shall promptly notify the Engineer in writing and any necessary changes shall be adjusted as provided in these Contract Documents.

7.3 Prior to the closure of or working in or on any portion of a street the Contractor shall obtain a permit from the Owner.

7.4 Prior to issuance of the Notice to proceed, the Owner shall obtain all land and rights-of-way necessary for carrying out and for the completion of the work to be performed pursuant to the Contract Documents, unless otherwise mutually agreed.

8.0 Maintenance of the Work Site

8.1 The Contractor shall obtain the permission of the Owner before placing or maintaining any temporary facilities on the Owner's property or that of an adjacent landowner.

8.2 The Contractor shall provide, at his/her own expense, a suitable spill area away from the Owner's property for the disposal of waste materials and rubbish.

8.3 The Contractor shall, at all times, keep the construction area free from accumulations of waste material and rubbish, and shall, prior to the completion of the work, and at other times as required by the Owner or Engineer, remove from and about the work area and the adjacent premises, all such waste material and rubbish.

8.4 At the completion of the work, the Contractor shall remove from the interior of the building, all minor rubbish that has

accumulated, and shall leave the interior broom clean and the grounds around the structure rake clean.

9.0 Laws to be Observed

9.1 The Contractor shall keep fully informed of all Federal, Ohio, and City of Worthington laws, ordinances, and regulations and all orders and decrees of authorities having any jurisdiction or authority, which in any manner affect those engaged or employed on the work, or which in any way affect the conduct of the work. he/she shall at all times observe and comply with all such laws, ordinances, regulations, orders, and decrees; and shall protect and indemnify the Owner and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order or decree, whether by him/herself or his/her employees.

10.0 Federal Aid Provisions

10.1 When the United States Government pays all or any portion of the cost of a project, the Federal laws and the rules and regulations made pursuant to such laws must be observed by the Contractor and the work shall be subject to the inspection of the appropriate Federal Agency.

10.2 Such inspection shall in no sense make the Federal Government a party to this contract and will in no way interfere with the rights of either party hereunder.

11.0 Responsibility for Damage Claims

11.1 The Contractor and Surety shall save harmless the Owner and all of its representatives from all suits, actions, or claims of any character brought on account of any injuries or damages sustained by any person or property in consequence of any neglect in safeguarding the work or through the use of unacceptable materials in the construction of the improvement or on account of any act or omission, by the Contractor, or his/her agents and he/she shall pay any judgment obtained or growing out of any claims or suits.

12.0 Contractor's Responsibility for Work

12.1 Until final written acceptance of the project by the Owner, the Contractor shall have the charge and care thereof and shall take every precaution against injury or damage to any part thereof by the action of the elements, from vandalism or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore and make good all injuries or damages to any portion of the work occasioned by any of the above causes before final acceptance and shall bear the expense thereof except damage to the work due to unforeseeable causes beyond the control of and without

the fault or negligence of the Contractor, including but not restricted to acts of God, of the public enemy or governmental authorities.

12.2 The Contractor shall not suspend the work unless approved by the Engineer and in such cases under the provisions of Section 20 of these General Conditions, the Contractor shall be responsible for the project and shall take such precautions as may be necessary to prevent damage to the project, provide for adequate drainage and shall erect any necessary temporary structures, signs, or other facilities at his/her expense. During such period of suspension of work, the Contractor shall properly and continuously maintain in an acceptable growing condition all living material in newly established plantings, meetings, and soddings furnished under its Contract, and shall take adequate precautions to protect new tree growth and other important vegetative growth against injury.

13.0 Supervision by Contractor

13.1 The Contractor will supervise and direct the work. He/she will be solely responsible for the means, methods, techniques, safety, sequences, and procedures of construction. The Contractor will employ and maintain on the work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor is the Contractor's representative at the site. The supervisor shall have full authority to act on behalf of the Contractor and all communications given to the supervisor shall be as binding as if given to the Contractor. The supervisor shall be present and on the site at all times as required to perform adequate supervision and coordination of the work.

14.0 Personal Liability of Public Officials

14.1 In carrying out any of the provisions of these specifications, or in exercising any power or authority granted to them by or within the scope of the Contract, there shall be no liability upon the Owner or his/her authorized representatives, either personally or as officials of the Owner, it being understood that in all such matters they act solely as agents and representatives of the Owner.

15.0 Non-Waiver of Legal Rights

15.1 Neither the inspection by the Engineer, nor by any of his/her duly authorized representatives, nor any order, measurements, or certificates by the Owner, or said representatives, nor any order by the Owner for the payments of money, nor any payment for, nor acceptance of any work by the Owner, nor any extension of time, nor any possession taken by the Owner or its duly authorized representatives, shall operate as a waiver of any provision of this Contract, or of any power herein reserved to the Owner, or any right to damages herein provided; nor shall any waiver of any breach of this Contract be held to be a waiver of any other subsequent breach.

16.0 O.S.H.A. Compliance

16.1 All Contractors shall comply with the provisions of the Occupation, Safety and Health Act of 1970 and subsequent amendments and regulations thereto.

17.0 Changes in the Work

17.1 The Owner may at any time, as the need arises, order changes within the scope of the work without invalidating the Contract. If such changes increase or decrease the amount due under the Contract Documents, or in the time required for performance of the work, an equitable adjustment may be authorized by Change Order.

17.2 The Engineer also may, at any time, by issuing a Field Order, make changes in the details of the work. The Contractor shall proceed with the performance of any changes in the work so ordered by the Engineer unless the Contractor believes that such Field Order entitles him/her to a change in Contract Price or Time, or both, in which event he/she shall give the Engineer Written Notice thereof within 7 days after the receipt of the ordered change. Thereafter, the Contractor shall document the basis for the change in Contract Price or Time within 30 days. The Contractor shall not execute such changes until the Contractor receives an executed Change Order approved by the Owner.

18.0 Changes in Contract Price

18.1 The Contract price may be changed only by a Change Order. The value of any work covered by a Change Order or of any claim for increase or decrease in the Contract price shall be determined by one or more of the following methods in the order of precedence listed below:

- (a) Item prices previously approved.
- (b) An agreed lump sum.
- (c) The actual cost for labor, direct overhead, materials, supplies, equipment, and other services necessary to complete the work. In addition, there shall be added an amount to be agreed upon, but not to exceed 15 percent of the actual cost of the work to cover the cost of general overhead and profit.

18.2 All contract price changes shall be approved by the Owner.

19.0 Time for Completion and Liquidated Damages

19.1 The date of beginning and the time for completion of the work are essential conditions of the Contract Documents and Notice to Proceed.

19.2 The Contractor will proceed with the work at much rate of progress to ensure full completion within the Contract time. It is expressly understood and agreed, by and between the Contractor and the

Owner, that the Contract Time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.

19.3 If the Contractor shall fail to complete the work within the Contract Time, or extension of time granted by the Owner, then the Contractor will pay to the Owner the amount of liquidated damages as specified in the Contract for each calendar day that the Contractor shall be in default after the time stipulated in the Contract Documents.

19.4 The Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due to the following and the Contractor has promptly given Written Notice of such delay to the Owner or Engineer:

(a) To any preference, priority or allocation order duly issued by the Owner.

(b) To unforeseeable causes beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, or the public enemy, acts of the Owner, acts of another Contractor in the performance of a contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and abnormal and unforeseeable weather.

19.5

SCHEDULE OF LIQUIDATED DAMAGES

Original Contract Amount
(Total Amount of the Bid)

Amount of Liquidated
Damages to be Deducted
for Each Calendar Day
of Overrun in Time

For More Than _____ To and Including

\$	0	\$	25,000.	\$	30.00
\$	25,000.	\$	50,000.	\$	50.00
\$	50,000.	\$	100,000.	\$	75.00
\$	100,000.	\$	500,000.	\$	100.00
\$	500,000.	\$	1,000,000.	\$	150.00
\$	1,000,000.	\$	2,000,000.	\$	200.00
\$	2,000,000.	\$	5,000,000.	\$	400.00
\$	5,000,000.	\$	10,000,000.	\$	500.00
			OVER \$10,000,000.		\$600.00

19.6 In addition to liquidated damages, the Contractor shall be liable for all expenses incurred by the Owner by reason of the Contractor's default, including judgments awarded to others, reasonable attorneys' fees and all expenses of engineering and inspection after the date set for completion.

19.7 The Owner shall have the right to deduct all or any unpaid balance from liquidated damages or other expenses from any money due or to become due to the Contractor. The amount still owing, if any after such deduction, shall be paid on demand by the Contractor or his/her Surety. Such payment shall not relieve the Contractor or his/her Surety from any other obligations under this contract. It is also expressly agreed that the contractor shall be liable to the Owner for all damages from his/her failure to complete the work within the time limit fixed.

20.0 Suspension of Work, Termination and Delay

20.1 The Owner may suspend the work or any portion thereof for a period of not more than 90 days or such further time as agreed upon by the Contractor, by Written Notice to the Contractor and the Engineer which notice shall fix the date on which work shall be resumed. The Contractor will resume that work on the date so fixed. The Contractor may be allowed an increase in the Contract Price or an extension of the Contract time, or both, directly attributable to any suspension.

20.2 If the Contractor should be adjudged a bankrupt, or if he/she should make a general assignment for the benefit of his/her creditors, or if a receiver should be appointed on account of his/her insolvency, or if he/she should persistently or repeatedly refuse or should fail, except in cases for which extensions of time are provided and then only for much time, to supply enough properly skilled workmen or materials, or if he/she should fail to make payments to Subcontractors or for material or labor, so as to affect the progress of the work, or persistently be in violation of a substantial requirement of the Contract, or be in violation of Ohio law, the Owner, may, without prejudice to any other right or remedy and after giving the Contractor and his/her Surety Ten days' written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, equipment and other facilities installed on the work and paid for by the Owner and finish the work by whatever method it may deem expedient. In such case the Contractor shall not be entitled to receive any further payment until

the work is finished. If the unpaid balance of the contract price shall exceed the expense of finishing the work, including compensation for additional managerial and administrative services, such excess shall be paid to the Contractor. If such expense shall exceed such unpaid balance, the Contractor shall pay the difference to the Owner. The expense incurred by the Owner as herein provided, and the damage incurred through the Contractor's default, shall be certified by the Engineer.

20.3 Where the Contract has been terminated by the Owner, said termination shall not affect or terminate any of the rights of the Owner as against the Contractor or his/her surety then existing or which may thereafter accrue because of such default. Any retention or payment of moneys by the Owner due the Contractor under the terms of the Contract, shall not release the Contractor or his/her surety from liability for his/her default.

20.4 After 10 days from delivery of a Written Notice to the Contractor and the Engineer, the Owner may, without cause and without prejudice to any other right or remedy, elect to terminate the Contract. In such case, the Contractor shall be paid for all Work executed and any expense sustained plus reasonable profit, unless such termination was due to the act or conduct of the Contractor.

20.5 If, through no act or fault of the Contractor, the work is suspended for a period of more than 90 days by the Owner or under an order of a Court or other public authority, or the Engineer fails to act on any request for payment within 30 days after it is submitted, or the Owner fails to pay the Contractor substantially the sum approved by the Engineer or awarded by arbitrators within 30 days of its approval and presentation, then the Contractor may, after 10 days from delivery of a Written Notice to the Owner and the Engineer, terminate the Contract and recover from the Owner payment for all work executed and all expenses sustained. In addition and in lieu of terminating the Contract, if the Engineer has failed to act on a request for payment or if the Owner has failed to make any payment as aforesaid, the Contractor may upon 10 days Written Notice to the Owner and the Engineer stop the work until he/she has been paid all amount then due, in which event and upon resumption of the work, Change Orders shall be issued for adjusting the Contract price or extending the Contract Time or both to compensate for the costs and delays attributable to the stoppage of the work.

20.6 If the performance of all or any portion of the work is suspended, delayed, or interrupted as a result of a failure of the Owner or Engineer to act within the time specified in the Contract Documents, or if no time is specified within a reasonable time, an adjustment in the Contract price or an extension of the Contract Time, or both, may be made by Change Order to compensate the Contractor for the costs and delays necessarily caused by the failure of the Owner or Engineer.

21.0 Scope of Payment

21.1 The Contractor shall receive and accept compensation provided for in the Contract as full payment for furnishing all labor, materials and equipment for performing all work under the Contract in a complete

and acceptable manner and for all risk, loss, damage, or expense of whatever character arising out of the nature of the work or the prosecution thereof, except as otherwise provided in the Contract Documents.

22.0 Compensation for Altered Quantities

22.1 When the accepted quantities of work vary from the quantities in the bid schedule, the Contractor shall accept as payment in full, so far as Contractor items are concerned, payment at the original contract item prices for the accepted quantities of work done. No allowance except as provided in General Conditions will be made for any increased expense, loss of expected reimbursement, or loss of anticipated profits suffered or claimed by the Contractor resulting either directly from such alterations or indirectly from unbalanced allocation among the Contract items of overhead expense on the part of the bidder and subsequent loss of expected reimbursements therefor or from any other cause.

22.2 Increased work involving supplemental agreements shall be paid for as stipulated in such agreements. The Contractor shall furnish substantiating data required in the preparation of these agreements.

23.0 Extra Work and Force Account Work

23.1 The Contractor shall perform unforeseen work, for which there is no price included in the Contract, whenever it is deemed necessary or desirable in order to complete fully the work as contemplated. Such work shall be performed in accordance with the specifications and as directed by the Owner.

23.2 Extra work performed in accordance with the requirements and provisions of the Owner will be paid for at the item prices or lump sum stipulated in the order authorizing the work, or the Owner may require the Contractor to do such work on a force account basis to be compensated in the following manner:

(a) Labor. For all labor and for all foremen in direct charge of the specific operations, the Contractor shall receive the rate of wage and fringe benefits currently in effect at the time the work is performed for each and every hour that said labor and foremen are actually engaged in such work, to which may be added an amount equal to 30 percent of the sum thereof. The term fringe benefits shall be defined as the actual costs paid to, or in behalf of, workmen by reason of health and welfare benefits, pension fund benefits or other benefits, when such amounts are required by collective bargaining agreement or other employment contract generally applicable to the classes of labor employed on the work. In addition to the above, the Contractor shall receive the actual cost of Social Security Tax, Workers' Compensation and State and Federal Unemployment Insurance. In lieu of itemizing these four items, 15 percent of the sum of wages and fringe benefits may be added.

The wages of any foreman or timekeeper who is employed partly on force account work and partly in other work, shall be prorated between

two classes of work according to the number of men employed on each class of work as shown by the payrolls.

The Contractor shall receive the actual costs paid for subsistence and travel allowances when such payments are required by collective bargaining agreement or other employment contract generally applicable to the classes of labor employed on the work. No percentage may be added to these costs.

(b) Materials. For materials accepted by the Engineer and used, the Contractor shall receive the actual cost of such materials delivered on the work, including transportation charges paid by him/her (exclusive of machinery rentals as hereinafter set forth), to which cost 15 percent may be added.

(c) Equipment. For any machinery or special equipment other than small tools which it may be deemed necessary or desirable to use, the Contractor shall be allowed a rental price to be agreed upon in writing before much work is begun, for the time that much work is begun, for the time that such equipment is in use on the work. No profit or overhead shall be added to any charges in connection with the use of owned equipment, however, 15 percent of the basic amount payable for rented equipment may be added for overhead and profit. Proper invoices will be required for rental equipment.

(d) Foreman's Transportation. A flat hourly rate, which includes fuel and lubricants, profit and overhead, and any other costs will be allowed for the foreman's transportation.

(e) Fuel and Lubricants. For all equipment except the foreman's transportation (for which an all-inclusive flat rate is allowed), 15 percent of the basic equipment allowance may be added for cost of fuel and lubricants.

(f) Subcontract Work. For work performed by an approved Subcontractor the prime Contractor will be allowed an amount to cover administrative costs, equal to 5 percent of the compensation provided in (a), (b), (c), (d) and (e) but not exceeding \$5,000.00.

(g) Compensation. The compensation to the Contractor as above provided in (a), (b), (c), (d), (e) and (f) shall constitute payment in full for extra work done on a force account basis including administration, superintendence, overhead, use of tools and equipment for which no rental is allowed, profit, taxes other than sales tax, premium on insurance, and any other expense incidental to performing the force account work. Sales tax will not be allowed on any item for which tax exemption may be obtained.

(h) Statements. Final payment will not be made for work performed on a force account basis until the Contractor has furnished the Engineer with quadruplicate itemized statements of the cost of such force account work detailed as follows:

(1) Name, Classification, date, daily hours, total hours, rate and extension for each laborer and foreman.

(2) Designation, dates, daily hours, total hours, rental rate, and extension for each unit of machinery and equipment.

(3) Quantities of materials, prices, and extensions.

(4) Transportation of materials.

23.3 The Contractor's representative and the Engineer shall compare records daily of the cost of work done as ordered on a force account basis. The Engineer shall certify that these records are correct.

23.4 Statements shall be accompanied and supported by proper invoices for all materials used and transportation charges, and rented equipment performing work on force account operations. However, if materials used on the force account work are not specifically purchased for such work but are produced by the Contractor or taken from the Contractor-stock, then in lieu of the invoices the Contractor shall furnish an affidavit certifying that such materials were produced by him/her or taken from his/her stock, that the quantity claimed was actually used, and that the price and transportation claimed represent the actual cost to the Contractor. Statements shall be filed not later than the 20th day of the month following that in which the work was actually performed.

23.5 The above described force account provisions will also apply to work performed at agreed unit prices and agreed lump sums when the agreed prices are based on analyses of cost of labor, material and equipment.

24.0 Eliminated Items

24.1 Should any items contained in the proposal be found unnecessary for the proper completion of the work, the Owner may, upon written order to the Contractor, eliminate such items from the Contract, and such action shall in no way invalidate the Contract. When a Contractor is notified of the elimination of items, he/she will be reimbursed for actual work done and all costs incurred, including mobilization of materials prior to said notification.

25.0 Claims for Adjustment and Disputes

25.1 If, in any case, the Contractor deems that additional compensation is due him/her for work or material not clearly covered in the Contract or not ordered by the Owner as extra work, as defined herein, the Contractor shall notify the Owner in writing of his/her intention to make claim for such additional compensation before he/she begins the work on which he/she bases his/her claim. If such notification is not given, and the Owner is not afforded proper facilities by the Contractor for keeping strict account of actual cost as required, then the Contractor hereby agrees to waive any claim for such additional compensation. Such notice by the Contractor, and the fact that the Owner has kept account of the cost as aforesaid shall not in any

way be construed as proving or substantiating the validity of the claim. If the claim, after consideration by the Owner, is found to be just, it will be paid as extra work as provided herein for force account work. Nothing in this subsection shall be construed as establishing any claim contrary to the terms of Sections 17 and 18 of these General Conditions.

26.0 Payments to Contractor

26.1 Partial payments to the Contractor for labor performed shall be made at the rate of ninety-two percent (92%) of the estimates prepared by the Contractor and approved by the Engineer. All labor performed after the project is fifty percent (50%) completed shall be paid for at the rate of one hundred percent (100%) of the estimates submitted by the Contractor and approved by the Engineer thirty (30) days after the date of the approved estimate. In addition to all other payments made to the Contractor on account of work performed, the Owner shall pay the Contractor a sum at the rate of ninety two percent (92%) of the invoice costs, for material delivered to the site of the work, provided such materials have been inspected and found to meet the specifications. After the project is fifty percent (50%) completed the balance of such invoiced value shall be paid when such material is incorporated into and becomes a part of the work. Payment on approved estimates filed with the Owner shall be made within thirty (30) days. All retained funds after fifty percent (50%) completion shall be deposited in an escrow account with one or more banks or building and loan associations in the state selected by mutual agreement between the Contractor and the Owner at the time the contract is executed. The sums retained by the Owner under this section shall be held by the Owner until completion of the entire work and shall be held by the Owner as guarantee of the performance by the Contractor of all conditions contained in their contract. The Contractor shall cooperate with the Owner in the opening of the escrow account and shall accompany the Owner's representatives for such purpose to the financial institution of their mutual choice.

26.2 The request for payment may also include an allowance for the cost of such major materials and equipment which are suitably stored either at or near the site.

26.3 Prior to Substantial Completion, the Owner, with the approval of the Engineer and with the concurrence of the Contractor, may use any completed or substantially completed portions of the work. Such use shall not constitute an acceptance of such portions of the work.

26.4 The Owner shall have the right to enter the premises for the purpose of doing work not covered by the Contract Documents. This provision shall not be construed as relieving the Contractor of the sole responsibility for the care and protection of the work, or the restoration of any damaged work except such as may be caused by agents or employees of the Owner.

26.5 Upon completion of the work, the Engineer shall issue a letter attached to the final payment request, recommending that the work be accepted by the Owner. The entire balance found to be due the Contractor, including the retained percentages with accumulated interest,

but except such sums as may be lawfully retained by the Owner, shall be paid to the Contractor within 30 days of completion and acceptance of the work by the Owner.

26.6 The Contractor will indemnify and save the Owner or the Owner's agents less from all claims growing out of the lawful demands of Subcontractors, laborers, workmen, mechanics, material suppliers, and furnishers of machinery and parts thereof, equipment, tools, and all supplies, incurred in the furtherance of the performance of the work.

26.7 The Contractor shall deliver to the Owner either prior to or concurrently with the final estimate the Contractor's Affidavit of Payment (pages 87-100) listing all suppliers of material and all persons performing labor under and by virtue of this Contract. The Contractor shall also supply, at this time, waivers of mechanics' liens from all material suppliers and all persons performing labor as listed in the Contractor's Affidavit of Payment. The Contractor will be responsible for obtaining from his/her subcontractors the affidavits of payment and waivers of mechanics' liens for the subcontractors' portion of the work.

If the Contractor fails to do so the Owner may, after having notified the Contractor, either pay unpaid bills or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of the Contract Documents, but in no event shall the provisions of this sentence be construed to impose any obligations upon the Owner to either the Contractor, his/her surety, or any third party. In paying any unpaid bills of the Contractor, any payment so made by the Owner shall be considered as a payment made under the Contract Documents by the Owner to the Contractor and the Owner shall not be liable to the Contractor for any such payments made in good faith.

27.0 Acceptance of Final Payments as Release

27.1 The acceptance by the Contractor of final payment shall be and shall operate as a release to the Owner of all claims and all liability to the Contractor, his/her subcontractors, heirs, executors, administrators, successors and assigns. Any payment, however, final or otherwise, shall not release the Contractor, his/her subcontractors, heirs, executors, administrators, successors and assigns or his/her sureties from any obligations under the Contract Documents.

28.0 Contract Security

28.1 The Contractor shall within 10 days after the receipt of the Notice of Award furnish the Owner with a Contract Bond, if applicable, in penal sums equal to the amount of the Contract price, conditioned upon the performance by the Contractor of all undertakings, covenants, terms, conditions, and agreements of the Contract Documents, and upon the prompt payments by the Contractor to all persons supplying labor and materials in the prosecution of the work provided by the Contract Documents. Such Bond shall be executed by the Contractor and a corporate bonding company licensed to transact such business in the state in which the work is to

be performed and named on the current list of "Surety Companies Acceptable on Federal Bonds" as published in underwriting limitation. The expense of this Bond shall be borne by the Contractor. If at any time a Surety on any such Bond as declared bankrupt or loses its right to do business in the state in which the work is to be performed or is removed from the list of Surety Companies accepted on federal Bonds, Contractor shall, within 10 days after the happening of any of the above eventualities, substitute an acceptable Bond or (bonds) in such form and sum, and signed by such other Surety or Sureties as may be satisfactory to the Owner. The premiums on such Bond shall be paid by the Contractor. No further payments shall be deemed due nor shall be made until the new Surety or Sureties shall have furnished an acceptable Bond to the Owner.

29.0 Assignments

29.1 Neither the Contractor nor the Owner shall sell, transfer, assign or otherwise dispose of the Contract or any portion thereof, or of his/her right, title or interest therein, or his/her obligations thereunder, without written consent of the other party.

30.0 Indemnification

30.1 The Contractor will indemnify and hold harmless the Owner and the Engineer and their officers, agents, and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the work; provided that any such claims, damage, loss or expense is attributable to (i) bodily injury, sickness, disease or death, or (ii) the risk of injury to tangible property, or the injury to or destruction of tangible property, including the loss of use resulting therefrom, and is caused in whole or in part by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder.

30.2 In any and all claims against the Owner or the Engineer, or any of their agents or employees, by any employee of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the indemnification obligation shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor under workers' compensation acts, disability benefit acts, or other employee benefit acts.

30.3 The obligation of the Contractor under this paragraph shall not extend to the liability of the Engineer, his/her agents or employees arising out of the preparation or approval of maps, plans, opinions, reports, surveys, change orders, designs or specifications.

31.0 Patented Devices, Materials and Processes

31.1 If the Contractor employs any design, device, material, or process covered by letters of patent or copyright, he/she shall provide for such use by suitable legal agreement with the patentee or owner. The Contractor and the Surety shall indemnify and save harmless the Owner, any affected third party, or political subdivision from any and all claims for infringement by reason of the use of any such patented design, device, material or process or any trademark or copy right, and shall indemnify the Owner for any costs, expenses, and damages which it may be obliged to pay by reason of any infringement, at any time during the prosecution or after the completion of the work.

32.0 Subcontractors

32.1 The "Proposed Use of Sub-Contractors For Specific portions of the Work" bid form shall be a basis for evaluating Bids. No Bid shall be considered by the Owner unless the "Proposed Use of Sub-Contractors for Specific Portions of the Work" bid form is completed and submitted with the Bid. The Owner reserves the right to reject any or all proposed subcontractor(s) listed thereon before the Bid is awarded. However, the Owner shall give the Bidder an opportunity to: either (a) withdraw the Bid or (b) substitute subcontractors who are acceptable to the Owner provided such substitution of subcontractors does not change the amount of the Bid. The Owner shall not reject any such listed subcontractor(s) after the Contract award has been made by the Owner.

32.2 The Contractor shall not, without the written permission and approval of the Owner, subcontract any additional portions of the work to be performed under this Contract.

32.3 In the event that the Contractor desires to subcontract any additional portions of the work, he/she shall first submit to the Owner a statement showing the nature of the work to be subcontracted and the name and street address of the party or parties to whom it is proposed to subcontract. The decision of the Owner as to its approval shall be final and binding.

32.4 The approval of subcontractor(s) by the Owner shall not directly or indirectly release or modify the responsibility of the Contractor for the satisfactory and entire completion of the work under this Contract, and each and every part, and portion thereof.

32.5 In case any party or parties to whom any work under this Contract shall have been subcontracted shall disregard the direction of the Engineer or his/her duly authorized representatives, or shall furnish any unsatisfactory work or shall fail or refuse in any way to conform to any of the conditions of this Contract, then, in that case, upon written order of the Engineer the Contractor shall require said party or parties in default to discontinue any work under this Contract.

32.6 Any defective work performed by a subcontractor shall be removed and replaced with work which is satisfactory to the Engineer and without cost to the Owner.

32.7 Nothing contained in this Contract shall create any contractual relation between any subcontractor and the Owner.

32.8 The Contractor shall provide the Owner with a list of names and telephone numbers of the designated employees for each subcontractor to be contacted in case of emergency during non-working hours. A copy of this list shall also be displayed on the job site.

33.0 Guaranty

33.1 The Contractor shall guarantee that the work is free from all defects due to faulty materials or workmanship for a period of one (1) year from the date of Final Acceptance of the work by the Owner. This guaranty period shall be covered by the Bid Guaranty and Contract Bonds. The Contractor shall, during the life of this guaranty, promptly make all repairs or changes in the work which, in the opinion of the Project Engineer, are necessary as a result of defects due to faulty materials or workmanship. The Owner shall give the Contractor notice of observed defects with reasonable promptness. In the event that that Contractor should fail to make the necessary repairs or changes, the Owner may do so, and the Contractor and his/her Surety shall be liable for all expenses incurred by the Owner in making said repairs or changes.

34.0 Disputes and Arbitration

34.1 In the event a dispute arises under this Contract, it shall be submitted to nonbinding arbitration. Upon demand by either party for arbitration, the parties shall attempt to agree upon an arbitrator. The arbitrator shall promptly set a date for hearing and after consideration of the evidence and arguments of the parties, render a written decision on the dispute. If the parties are unable to agree upon an arbitrator within ten (10) days after a demand for arbitration is made, either party may file a demand for arbitration with the American Arbitration Association and arbitration shall proceed in accordance with the Construction Industry Rules of the American Arbitration Association. The decision of the arbitrator shall not be binding on either party. The costs of arbitration shall be divided equally between the parties.

34.2 The Contractor will carry on the work and maintain the progress schedule during any arbitration unless otherwise mutually agreed in writing.

35.0 Taxes

35.1 The Contractor hereby further agrees to withhold all City of Worthington income taxes due or payable under the provisions of Part Seventeen - Taxation Code of the Codified Ordinances of the City of Worthington, Ohio, for wages, salaries, and commission paid to its employees and further agrees that any of its subcontractors shall be required to agree to withhold any such City of Worthington income taxes due under said Code for service performed under this Contract.

36.0 Nondiscrimination in Employment

36.1 In connection with the performance of work under this Contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of race, color, religion, sex, military status, national origin, disability, age, or ancestry, or any other class protected by law. The aforesaid provision shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment, or recruitment advertising, layoff or selection for training including apprenticeship. The Contractor shall post notices in conspicuous places setting forth the provisions of this nondiscrimination clause for the benefit of employees or applicants for employment.

37.0 Contract Work Performed by the Owner

37.1 In the event that it becomes necessary for the Owner to perform work of an immediate nature (such as the placement of barricades or replacement of signs or other warning or protective devices) required of the Contractor by this Contract because of a failure or refusal of the Contractor to perform such work, the Contractor shall reimburse the Owner for the actual cost of the labor, materials and equipment necessary to perform such work plus a reasonable overhead amount. The Owner shall be required to notify or attempt to notify the designated representative of the Contractor of the necessity to perform such work. If the Contractor refuses or fails within a reasonable time to perform or cause the performance of such work, the Owner shall perform it and shall be reimbursed by the Contractor for same.

38.0 Certified Payroll

38.1 The Contractor shall post in a prominent and accessible place on the site of the work a legible statement of the schedule of wage rates specified in the Bid Documents to the various classifications of laborers, workmen, and mechanics employed. This statement shall remain posted during the life of the Contract.

38.2 The Contractor shall, as soon as he/she begins performance under the Contract, supply to the prevailing wage coordinator of the Owner a schedule of the dates during the life of the Contract on which he/she is required to pay wages to employees. The Contractor shall also deliver to the prevailing wage coordinator a certified copy of his/her payroll (Attachment A: page(s) 101), within two weeks after the initial pay date, and supplemental reports for each month thereafter. If the life of the Contract is expected to be no more than four (4) months from the beginning of performance by the Contractor, such supplemental reports shall be filed each week after the initial report. The certification of each payroll shall be executed by the Contractor or duly-appointed agent thereof and shall recite that the payroll is correct and complete and

that the wage rates shown are not less than those required by Chapter 4115 of the Ohio Revised Code. The Contractor shall be responsible for the submission of payroll copies from all Subcontractors.

38.3 The Contractor shall make unemployment records available for inspection by authorized representatives of the Owner and will permit employees to be interviewed during working hours by these representatives.

38.4 All monthly payrolls shall contain or have attached the following:

(a) The name, employer identification number, and social security number of each employee.

(b) The current address of the employee.

(c) The Job Classification of the employee (same as shown on wage determination or provisional approval).

(d) The rate of pay.

(e) The hours worked each day and total for each week.

(f) The fringe payments and deductions made.

38.5 The failure by the Contractor to furnish and submit the above information as part of the required monthly Certified Payroll will be cause for the owner to withhold the preparation of the monthly estimate. In the event of a violation of the wage rate provisions by the Contractor or any Subcontractor, the Owner may, after notice to the Contractor, suspend further payments or proceed to terminate the Contract as provided by other sections of the Contract.

38.6 The Contractor shall file with the Owner upon completion of the project and prior to final payment therefor an Affidavit of Final Payment (page 87) stating that he/she has fully complied with Sections 4115.03 to 4115.16 of the Ohio Revised Code. The Contractor shall also be responsible for obtaining such Affidavits from all Subcontractors and for forwarding the Subcontractors' Affidavits to the Owner.

38.7 This provision shall not apply to public improvements where the federal government or any of its agencies furnishes by loan or grant all or any part of the funds used in constructing such improvements, provided the federal government or any of its agencies prescribes predetermined minimum wages to be paid to mechanics and laborers employed in the construction of such improvements.

38.8 The Department of Industrial Relations shall file with the Secretary of State a list of contractors and subcontractors whom it finds have been prosecuted and convicted for violations of Sections 4115.03 to 4115.16 of the Ohio Revised Code, and each such contractor or subcontractor is prohibited from contracting directly or indirectly with any public authority for the construction of a public improvement or from performing any work on the same as a contractor or subcontractor for a period of two years from the date of conviction. The Owner shall not

award a contract for a public improvement to any contractor or subcontractor during the time that its name appears on such list. The filing of the notice of conviction with the Secretary of State shall constitute notice to all public authorities.

39. Utilities

39.1 The Contractor shall notify all utility companies, all pipe line owners, or other parties affected by the project, and have all necessary adjustments of the public or private utility fixtures, pipe lines, and other appurtenances within or adjacent to the limits of construction made as soon as practicable.

39.2 Water lines, gas lines, wire lines, service connections, water and gas meter boxes, water and gas valve boxes, light standards, cableways, signals, and all other utility appurtenances within the limits of the proposed construction which are to be relocated or adjusted are to be moved by the utility company or its authorized designee, except as otherwise provided for in the special provisions or as noted on the plans.

39.3 It is understood and agreed that the Contractor has fully considered in his/her bid the financial impact or otherwise of all known permanent and temporary utility appurtenances in their present or relocated positions and that no additional compensation will be allowed to the Contractor for any delays, inconvenience or damage sustained by him/her due to any interference from known utility appurtenances or the operation of moving said utility appurtenances.

Review
Not For Bidding

Review Set
Not For Bidding

SUPPLEMENTARY SPECIFICATIONS
AND SPECIAL CONDITIONS

**Supplemental Specifications
&
Special Conditions**

**City of Worthington
2016 CENTRAL DISTRICT SANITARY SEWER LINING
Project Number 618-15**

SPECIFICATIONS

The specifications for this project shall be the City of Columbus Construction and Material Specifications (CMSC), February 1, 2012 edition, unless stated otherwise in the contract documents.

OWNER

All references to the "Owner" or the "City" shall identify The City of Worthington, Ohio.

PROPOSAL

Submission of a Bid shall constitute: (1) An acknowledgment by the Bidder that the City makes no representations or warranties as to the accuracy or completeness of any information which the City has provided to the Bidder including without limitation maps, surveys, diagrams, samples, soil reports, cores, borings, test excavations and other information concerning naturally existing or man-made site conditions; (2) A release of the City from any and all claims, defenses and setoffs, including without limitation damage, or increased cost of performance, which in any way relate to naturally existing or man-made site conditions not shown on the information provided by the City; and (3) In the event the Bidder is the successful bidder, an agreement to indemnify and hold harmless the City from any and all such claims.

No extra compensation will be paid to the contractor by reason of compliance with any of the requirements indicated on the plans or in the specifications or among the items bid upon, unless specifically provided.

TRAFFIC, PUBLIC SAFETY & PUBLIC CONVENIENCE

It is the intent of this contract that all work be scheduled and performed by the Contractor in a manner as to minimize inconvenience to the motoring public, pedestrians and the abutting properties to the maximum extent reasonable during the performance of the work. No street may be closed nor may any traffic movements be restricted without prior approval by the City Engineer. All changes from the normal traffic pattern shall be clearly delineated by the use of proper signage and barrels/"grabbers". All unattended excavations shall be covered or safely and securely barricaded. Barricades and/or barrels shall include steady burning lights. Any and all steel plates used shall be secured with "cold-mix" asphalt around their edges to eliminate movement and noise.

All traffic control devices shall be furnished, installed and maintained in accordance with the Ohio Manual of Uniform Traffic Control Devices, hereinafter referred to as the Manual, current edition. All necessary traffic control devices MUST be in place per the Manual prior to beginning any phase of

the work and maintained throughout the project.

The costs for erection, maintenance and removal of all traffic control devices shall be included in the bid price for all other various pay items that are part of this contract.

24-HR. EMERGENCY TELEPHONE NUMBERS

The Contractor shall provide adequate twenty-four (24) hour emergency telephone numbers to permit notification by the City in the event of a problem or emergency. Should the City be unable to notify the Contractor after a reasonable attempt(s) or the Contractor fail to perform work of an immediate nature upon notification, the City will be reimbursed 2.5 times the cost to the City for performing the work.

NORMAL HOURS OF OPERATION

It is the intent of the City to keep inconvenience and disturbance to property owners to a minimum. If the Contractor desires to work on Saturdays or Holidays the contractor should provide such request in writing to the City Engineer at least 48 hrs in advance. All work is to be scheduled to maintain the work area clean and safe and final restoration shall follow as soon as reasonably possible. Payment will not be made for any pay item until all work, including cleanup and restoration associated with said pay item, is completed. Equipment and materials shall not be stored in streets or rights of way without approval of the City Engineer.

UTILITIES

The Contractor shall notify the Ohio Utilities Protection Service (1-800-362-2764) at least two (2) working days prior to performing any excavation. Any damage to utilities caused by the contractors operations shall be repaired to the satisfaction of the owner and at no cost to the owner.

The Contractor is responsible for the support and protection of utilities in any excavation.

CONFINED SPACES ENTRY

APPENDIX B – OSHA REGULATION 29 CFR 1910.146

OSHA Regulations (Standards – 29 CFR)
Permit-required confined spaces – 1910.146

- **Standard Number:** 1910.146
- **Standard Title:** Permit-required confined spaces
- **Standard Number:** J
- **Subpart Title:** General Environmental Controls

(A) **SCOPE AND APPLICATION.** This section contains requirements for practices and procedures to protect employees in general industry from the hazards of entry into permit-

required confined spaces. This section does not apply to agriculture, to construction, or to shipyard employment (Parts 1928, 1926, and 1915 of this chapter, respectively).

(B) DEFINITIONS.

“Confined space” means a space that:

- (1) Is large enough and so configured that an employee can bodily enter and perform assigned work, and
- (2) Has limited or restricted means for entry or exit (for example, tanks, vessels, silos, storage bins, hoppers, vaults, and pits are spaces that may have limited means of
- (3) entry.); and
- (4) Is not designed for continuous employee occupancy.

“Hazardous atmosphere” means an atmosphere that may expose employees to the risk of death, incapacitation, impairment of ability to self-rescue (that is, escape unaided from a permit space), injury, or acute illness from one or more of the following causes:

- (1) Flammable gas, vapor, or mist in excess of 10 percent of its lower flammable limit(LFL);
- (2) Airborne combustible dust at a concentration that meets or exceeds its LFL;
NOTE: This concentration may be approximated as a condition in which the dust obscures vision at a distance of 5 feet (1.52m) or less.
- (3) Atmospheric oxygen concentration below 19.5 percent or above 23.5 percent;
- (5) Atmospheric concentration of any substance for which a dose or a permissible Exposure limit is published in Subpart G, Occupational Health and Environmental Control, or in Subpart Z, Toxic and concentration of any substance that is not capable of causing death, incapacitation, Hazardous Substances, of this Part and which could result in employee exposure in excess of its dose or permissible exposure limit;
NOTE: An atmospheric impairment of ability to self-rescue, injury, or acute illness due to its health effects is not covered by this provision.
- (6) Any other atmospheric condition that is immediately dangerous to life or health.
NOTE: For air contaminants for which OSHA has not determined a dose or permissible exposure limit, other sources of information, such as Material Safety Data Sheets that comply with the Hazard Communication Standard, section 1910.1200 of this Part, published information, and internal documents can provide guidance in establishing acceptable atmospheric conditions.

“Permit-required confined space (permit space)” means a confined space that has one or more of the following characteristics:

- (1) Contains or has a potential to contain a hazardous atmosphere;
- (2) Contains a material that has the potential for engulfing an entrant;
- (3) Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross-section; or

(4) Contains any other recognized serious safety or health hazard.

(C) GENERAL REQUIREMENTS.

(C)(8) When an employer (host employer) arranges to have employees of another employer (contractor) perform work that involves permit space entry, the host employer shall:

(C)(8)(i) Inform the contractor that the workplace contains permit spaces and that permit space entry is allowed only through compliance with a permit space program meeting the requirements of this section;

(C)(8)(ii) Apprise the contractor of the elements, including the hazards identified and the host employer's experience with the space, that make the space in question a permit space;

(C)(8)(iii) Apprise the contractor of any precautions or procedures that the host employer has implemented for the protection of employees in or near permit spaces where contractor personnel will be working;

(C)(8)(iv) Coordinate entry operations with the contractor, when both host employer personnel and contractor personnel will be working in or near permit spaces, as required by paragraph (D)(11) of this section; and

(C)(8)(v) Debrief the contractor at the conclusion of the entry operations regarding the permit space program followed and regarding any hazards confronted or created in permit spaces during entry operations.

(C)(9) In addition to complying with the permit space requirements that apply to all employers, each contractor who is retained to perform permit space entry operations shall:

(C)(9)(i) Obtain any available information regarding permit space hazards and entry operations from the host employer;

(C)(9)(ii) Coordinate entry operations with the host employer, when both host employer personnel and contractor personnel will be working in or near permit spaces, as required by paragraph (D)(11) of this section; and

(C)(9)(iii) Inform the host employer of the permit space program that the contractor will follow and of any hazards confronted or created in permit spaces, either through a debriefing or during the entry operation.

(K) RESCUE AND EMERGENCY SERVICES.

(K)(2) When an employer (host employer) arranges to have persons other than the host employer's employees perform permit space rescue, the host employer shall:

(K)(2)(i) Inform the rescue service of the hazards they may confront when called on to perform rescue at the host employer's facility, and

(K)(2)(ii) Provide the rescue service with access to all permit spaces from which rescue may be necessary so that the rescue service can develop appropriate rescue plans and practice rescue operations.

[58 FR 4549, Jan. 14, 1993; 58 FR 34845, June 29, 1993; 59 FR 26115, May 19, 1994]

Review Set
Not For Bidding

Contractors

When the Worthington Department Service & Engineering retains a contractor to perform work that is in or around a permit-required confined space, the responsibilities are as follows:

The Service Department shall:

- Require the contractor to have a confined space policy that adheres to OSHA Standard 29 CFR 1910.146
- Inform the contractor of the hazards identified and the Service Department's experience with the space, that make the space in question a permit space,
- Notify the contractor of any precautions or procedures that the Worthington Department Service & Engineering has implemented for the protection of employees in or near permit spaces where contractor personnel will be working; AND
- Communicate with the contractor following the conclusion of the entry operation of procedures followed and of any hazards confronted or created in the space.

The Contractor shall:

- Have a permit-required confined space company policy established that adheres to OSHA Standard 29 CFR 1910.146.
- Obtain any available information regarding permit space hazards and entry operations from the Worthington Department Service & Engineering.
- Inform the Worthington Department Service & Engineering of permit-required confined space procedures intending to be followed and of any hazards confronted or created in permit spaces, either through a debriefing or during progress meetings; AND
- Notify the Worthington Department Service & Engineering at least 24 hours prior to any planned confined space entry.

Review Only
Not For Bidding

When a contractor is working simultaneously with the Worthington Department Service & Engineering

As authorized entrants in a confined space, the Department of Public Service Confined Space Program takes precedence and the following shall apply:

The Worthington Entry Supervisor must authorize entry of both the Service Department and the Contractor by completing and signing the Worthington Confined Space Entry Permit. *Note:* The confined space team may consist of employees from both the Service Department and the Contractor and all participating employees must pass the safety equipment pre-entry checklist.

The Entry Supervisor must provide the contractor with a copy of the Confined Space Program and ensure the contractor's employees understand the procedures and requirements therein.

999.001, 999.002, 999.003 – SANITARY SEWER LINED (Diameter)

This work entails lining of existing vitrified clay sanitary sewer pipe using the cured-in-place (CIPP) process in accordance with the following detailed specifications.

Submittals

A. The following submittals shall be made:

1. Resident Notification

a. The Contractor shall be responsible for **written** notification to residents which shall include three (3) separate notices:

- (1) The initial notification – to be submitted at the pre-construction meeting for approval, the Contractor shall immediately distribute this notification to all residents affected by work on this project. The initial note shall contain general information about the project and the lining process using graphics as necessary to illustrate the procedure. Other information to be included shall be City of Worthington project number, project name, description of work to be performed, time frames for the work, and precautions to take during the course of the project (i.e. ...keeping water in traps, keeping toilet lids down, etc.) The Contractor shall list the superintendent on the job, along with his mobile telephone number, as the primary contact. Secondary contact information shall be the company name, address, and telephone number.
- (2) Second notification – This notification shall provide the beginning date and time of the disruption, the length of disruption (not to exceed 6 hours, total, for sanitary sewer services to be out of service), and the ending date and time of disruption. Contact information shall be repeated on this notification. This second resident notification shall be distributed by the Contractor two (2) working days prior to commencement of the work.
- (3) Third resident notification – This notification shall inform residents that work on their portion of the sewer is complete and they may resume normal usage. The Contractor shall distribute this notice immediately upon completion of the work.

1. Contractor's Qualifications – Submit copy of manufacturer's licensee certificate and a list of ten (10) similar regional jobs within the past three (3) years as well. Provide project information such as length of project, pipe diameter, date complete, and project cost.
2. Pre-lining Videos and Logs – The Contractor shall submit a copy of the pre-lining Video and log to the Owner that documents existing conditions after the Contractor has cleaned the line. This shall be accompanied by a letter from the Contractor certifying the line is clean enough to ensure an effective rehabilitation in compliance with the manufacturer's recommended specifications and procedures.
3. Material Certification – The Contractor shall furnish at the pre-construction meeting a written description of all equipment and materials to be used during rehabilitation lining. Written certification is required from the manufacturer that all materials to be used in the work were manufactured and tested in accordance with
4. The appropriate ASTM specification, and are being used or installed in conformance with the manufacturer's recommendations.
5. Contractor's description of his proposed rehabilitation lining methodology.

Intent

It is the intent of this specification to install long tubular resin impregnated sleeves, affixed to the walls in existing 8-in., 10-in. and 12-in. vitrified clay pipe sanitary sewer mains running from manhole to manhole upstream or downstream. Note: Pipe segment 05-0051:05-0050 does not have an upstream manhole. The existing upstream cleanout is believed to be buried under a driveway. If necessary, the City will expose the pipe and install a cleanout.

General

The method involves the impregnation of an absorbent carrier material; the inversion of the material into the pipe, the curing of the sleeve leaving behind a hard plastic sleeve mechanically bonded to the host pipe.

Reference specifications

Tensile strength ASTM-D638

Flexural Strength ASTM D-790

Flexural Modulus ASTM D-790

Chemical Resistance ASTM D-543

Industry Specifications

ASTMF- 1216-Standard Practice for Rehabilitation of Existing Pipelines and Conduits by the Inversion and Curing of a Resin Impregnated Tube

The carrier material

The carrier material shall be of fibrous absorbent composition tailored to achieve the following:

1. Allow the migration of resin from its internal structure by compressing to a thickness of less than 90% of its uncompressed thickness under a pressure of 1 psi.
2. The material must consist of non-degradable fiber's such as polyester or polypropylene or Corrosion resistant fiberglass.
3. The material must have an abrasion resistant, chemically resistant, fully bonded and coated surface in the lateral portion to ensure that, on curing, a smooth surface free from blemishes, pinholes or loose non wetted fibers is obtained.
4. Where fiberglass is used a surface veil or a layer of felt must be used to act as barrier to prevent osmosis or wicking of the strands.
5. The carrier material must be resistant to the resin used and must withstand any Installation forces without losing its integrity.

The resin

The resin must be a thermosetting resin cured by either heat or chemicals via the use of accelerators, or any other safe energy source which does not involve the use of electrical current within the main sewer, unless evidence can be supplied of the intrinsic safety.

The resin must give sufficient working time above ground to enable impregnation of the fabric, but must cure to sufficient hardness to carry overburden loads within a maximum of 8 hours from time of insertion inside the pipe.

Chemical Resistance

The resin must be resistant to the chemicals likely to be within the pipe and as a minimum must be resistant to the chemicals below.

The test is done in accordance with ASTM D 543. Exposure should be for a minimum of one month at 73.4° F. During this period the CIPP (Cured In Place Pipe) test specimen should lose no more than 20% of its initial flexural strength and flexural modulus when tested in accordance with Section 8 of this practice.

Chemical Solution

Concentration

Tap Water (ph 6-9)	100%
Nitric Acid	5%
Phosphoric Acid	10%
Sulfuric Acid	10%
Gasoline	100%

Characteristics of the Repair Sleeve

Starting Point:	From D/S or U/S manhole
Length in Main Pipe:	Up to 400 feet
Time for cure:	3 hours at 110° F
Thickness:	6mm or 7.5mm

Resin Carrier Combination

The resin and the carrier fabric when cured must meet the following minimum criteria:

Testing Method

ASTM-D 790

Flexural Strength: 4,500 psi

Flexural Modulus: 250,000 psi

Testing

Visual Inspection

On completion of the work a CCTV survey shall be carried out and the repairs must be verified as per below:

1. There should be no evidence of water ingress within the liner.
2. The sleeve should be watertight internally. Where bends or other pipe deformities are present the maximum wrinkling allowed is 3% of the pipe diameter.

Pressure Testing

If required by the owner's bid documents, testing may take place by placing two push rod plugs to the beginning and the end of the sleeve. Air is fed into the isolated area and pressure losses are monitored.

Test criteria and acceptable losses are to be determined in advance by the engineer in consultation with the contractor.

Design Considerations

The design is based on the assumption of a partially deteriorated pipe. The CIPP is

designed to support the hydraulic loads due to groundwater, since the soil and surcharge loads can be supported by the original pipe. The groundwater level should be determined by the purchaser and the thickness of the CIPP should be sufficient to withstand this hydrostatic pressure without collapsing. The following equation may be used to determine the thickness required:

$$P = \frac{2KE_L}{1 - \nu^2} \cdot \frac{.1}{(SDR - 1)^3} \cdot C \cdot N$$

where:

P = groundwater load, psi (Mpa),

K = enhancement factor of the soil and existing pipe adjacent to the new pipe (a minimum value of 7.0 is recommended where there is full support of the existing pipe),

E_L = long-term (time corrected) modulus of elasticity for CIPP, psi (Mpa)

N = Poisson's ration (0.3 average),

SDR = standard dimension ratio of CIPP,

C = ovality reduction factor = $[1 - 0.01q / (1 + 0.01q)]^3$

Q = percentage ovality of original pipe = $100 \times (\text{Mean Inside diameter} - \text{Minimum Inside Diameter}) / \text{Mean Inside Diameter}$

Using this formula we derive the following tables:

Diameter (Inches)	Thickness (mm)	Max. Pressure Head (ft.)
8	6	40
10	6	20
12	6	11
15	7.5	14

The table is based on $K=7$, $E=125,000$ psi (50 year strength figure, $\nu=0.3$, $C=0.64$ (ie 5% ovality) and $N=2$

Preparatory Procedures

Cleaning of the Main Pipe

The manhole to manhole section of main pipe must be free of debris, obstructions, scale or any other material that reduces the effective bore of the pipe or loose material which may be pushed forward by the inversion process.

If inverting upstream, provision needs to be made for reducing the flow to no more than 15% of the bore of the pipe.

Pre-repair survey

A recorded video survey coded in current PACP format must be done on the main run with a pan and tilt camera to confirm the proposed repair falls within the limitation parameters set by the

manufacturer on the following aspects: The presence of bends, groundwater infiltration, flow rates from laterals and through the main pipe, gradient of pipe run.

Repair Process

On completion of the survey, a report should be submitted to the Engineer confirming the feasibility and the required program of works.

Post Repair Survey

On completion of a given run, video evidence recorded and coded in current PACP format must be provided by the contractor. The repair sleeve should be monitored for excessive wrinkling, exposed unwetted fibers and pinhole leaks.

Testing

Subject to the result of the inspection test, the Engineer reserves the right to select approximately 10% of the repairs for further testing using water. The test shall comprise of pushing a plug to the downstream end of the sleeve, inserting a bypass plug at the upstream end and filling the isolated section with water. Losses shall be measured and must be within levels set by the local code.

If the failure rate exceeds 10% an additional retest area of an equivalent size shall be selected for further testing.

Quality Assurance

All work performed as a part of this City of Worthington public improvement project, **2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT 618-15**, shall be warranted for a period of twelve (12) months following completion of said project.

The price bid for these pay items shall include all pumping equipment and operations to pump sewage flow around the sanitary sewer mains to be lined, all labor, material, tools, equipment and incidentals required to complete the work as described above. The accepted quantities of sanitary sewer main lined shall be paid for at the contract unit price per lineal foot of 8-in complete in place.

999.101 – SANITARY SEWER SERVICES RESTORED

This work shall consist of restoring, from inside the sanitary sewer mains, all sanitary sewer services after the mains have been lined, and putting them back into service by opening the liner at said service locations by use of a remote controlled high speed rotating hydraulic cutter directed inside the sanitary sewer main pipe by a television camera. The Engineer reserves the right to require service connection by excavation at the Contractor's expense at any location, if the quality or workmanship for the cut is not satisfactory.

The cut shall be smooth and circular in nature as seen by a television inspection camera. Lateral cuts shall be brushed as necessary to ensure smooth openings. It shall be properly aligned, invert to invert, to the existing connection with no obstructions to the flow. Any miscuts shall be repaired at no cost to the Owner and to the full satisfaction of the Engineer. All "coupons" cut from the liner for reopening of lateral connections shall be retrieved from the sewer, accounted for by the Contractor, and turned over to the City.

The Contractor shall then video the rehabilitated sewer to provide a detailed record of finished conditions and lateral connections. Lateral connections shall be observed while the camera is stopped and viewing the connection squarely. When complete, the Contractor shall submit a video of this rehabilitated sewer inspection along with accompanying logs in current PACP format.

The contract unit price shall include all labor, equipment, tools, material and incidentals to perform this work as above specified.

Payment will be made at the contract unit price for each sanitary sewer service restored to service, complete.

All workmanship performed on, and material incorporated into, this City of Worthington public improvement project designated "**2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT 618-15**", shall be warranted for a period of twelve (12) months following completion of said project.

999.102 – PROTRUDING TAP TRIMMED

This work shall consist of trimming, from inside the sanitary sewer mains, protruding sanitary sewer services before the mains are lined. The Engineer reserves the right to require service connection by excavation at the Contractor's expense at any location, if the quality or workmanship for the cut is not satisfactory.

The cut shall be smooth in nature as seen by a television inspection camera. Lateral cuts shall be brushed as necessary to ensure smooth openings. It shall be properly aligned, invert to invert, to the existing connection with no obstructions to the flow. Any miscuts shall be repaired at no cost to the Owner and to the full satisfaction of the Engineer. All material cut from the service shall be retrieved from the sewer, accounted for by the Contractor, and turned over to the City.

The contract unit price shall include all labor, equipment, tools, material and incidentals to perform this work as above specified.

Payment will be made at the contract unit price for each protruding tap trimmed.

All workmanship performed on, and material incorporated into, this City of Worthington public improvement project designated “**2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT 618-15**”, shall be warranted for a period of twelve (12) months following completion of said project.

999.103 – OBSTRUCTION REMOVED

This work shall consist of cutting and removing, from inside the sanitary sewer mains, obstructions before the mains are lined. The Engineer reserves the right to require service connection by excavation at the Contractor’s expense at any location, if the quality or workmanship for the cut is not satisfactory.

The cut shall be smooth in nature as seen by a television inspection camera. Cuts shall be brushed as necessary to ensure with no obstructions to the flow. Any miscuts shall be repaired at no cost to the Owner and to the full satisfaction of the Engineer. All material cut from the service shall be retrieved from the sewer, accounted for by the Contractor, and turned over to the City.

The identified obstruction is located in pipe section 05-0053:05-0052 as seen below:



<http://bit.ly/2bQbDmW>

The contract unit price shall include all labor, equipment, tools, material and incidentals to perform this work as above specified.

Payment will be made at the contract unit price for each obstruction removed.

All workmanship performed on, and material incorporated into, this City of Worthington public improvement project designated “**2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT 618-15**”, shall be warranted for a period of twelve (12) months following completion of said project.

Review Set
Not For Bidding

NOTICE OF COMMENCEMENT
OF PUBLIC IMPROVEMENT

AFFIDAVIT OF PAYMENT
WAIVERS OF MECHANICS' LIENS
PAYROLL INFORMATION
AND
FINAL PAYMENT AFFIDAVIT

NOTICE OF COMMENCEMENT OF PUBLIC IMPROVEMENT

Section 1311.252 Ohio Revised Code

State of Ohio, County of Franklin, SS.

Notice is hereby given by the undersigned public authority ("Public Authority") of the commencement of a public improvement ("Project") as follows:

(1) The Project is identified as:

2016 CENTRAL DISTRICT SANITARY SEWER LINING

Project Name

Various Locations Citywide Worthington, OH 43085

Location

618-15

Project Number

(2) The Public Authority responsible for the Project is:

City of Worthington
6550 High Street
Worthington, Ohio 43085

(3) All principal contractors on the Project and the trade of each are as follows:

principal contractors

trade

Name

Address

Name

Address

AFFIDAVIT OF PAYMENT

_____, being first duly sworn, says that
(Name of Person Signing)
he is the _____ of
(Title) (Name of Contractor)
_____ having a Contract with

(City of Worthington or Prime Contractor)
for 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15
(Description of Project)

situated on or in front of the following described property in
Franklin County, Ohio, viz: Various locations Citywide, Worthington,
OH 43085

whereof the City of Worthington Ohio, was the owner, part owner, or
lessee.

* * * * *
Sub-Contractors

Affiant further says that the following shows the names of every sub-
contractor in the employ of said _____
(General Contractor)
giving the amount, if any, which is due, or to become due, to them, or
any of them, for work done, or material, or machinery, or fuel furnished
to date hereof under said Contract.

NOTE: This statement must be accompanied by a similar sworn statement by
each of the Sub-Contractors.

Name	Address	Trade	Amount

*Amount: Amount due or to become due for work and/or materials to date
hereof.
* * * * *

Material Suppliers

Affiant further says that the following shows the names of every person furnishing machinery, material, or fuel to _____

(General Contractor)

giving the amount, if any, which is due, or to become due, to them, or any of them, for machinery, material, or fuel furnished to date hereof, under said Contract.

Name	Address	Trade	Amount

NOTE: The above must be accompanied by a "Certificate of Material Supplier". In lieu of such certificate, there may be furnished a written waiver of lien, a written release, or receipt. *Amount: Amount due or to become due for work and/or materials to date hereof.

Labor

Affiant further says that the following shows the names of every laborer unpaid in the employ of _____ furnishing labor under said Contract,

(General Contractor)

giving the amount, if any, which is due, or to become due, for labor done to date hereof.

Name	Address	Trade	Amount

NOTE: If the fact that every laborer has been paid in full, then recite: "Every Laborer has been paid in full." If not, then give each unpaid laborer's name and amount due or to become due.

*Amount: Amount due or to become due for work and/or materials to date hereof.

Affiant further states that there is due or to become due to _____
_____ for work performed, or
machinery, material, or fuel furnished to _____
_____ to date hereof under said Contracts, the sum of
\$_____. That the amounts due or to become due to said
sub-contractors, material-men, and laborers for work done or machinery,
material, or fuel furnished to the date hereof, to

_____ are fully and correctly set forth opposite their
names, respectively, in the aforesaid statements, and further evidenced
by certificates of every person furnishing material, machinery, or fuel,
hereto attached, and made a part hereof.

Affiant further states that _____
has not employed or purchased or procured machinery, material, or fuel
furnished, under said Contracts, other than above set forth.

Signature

Name

Title

Sworn to before me and subscribed in my presence at _____
_____, Ohio, this _____ day of _____ 20____.

Notary Public

County

State

CONDITIONAL PARTIAL WAIVER OF MECHANICS' LIEN

Progress Payment No. (2)_____

TO ALL WHOM IT MAY CONCERN:

Upon receipt of the sum of (3)_____ Dollars (\$_____), the undersigned, subject to the reservations contained herein below, does hereby waive, release and relinquish any and all liens and claims for liens for labor or work performed and/or material furnished through the (4)_____ day of (5)_____, 20(6)___ to the construction project commonly known as (7)_____, located at(8)_____, and owned by (9)_____.

Nothing in this Partial Waiver of Mechanics' Lien shall waive or otherwise affect lien rights for retainage now being held by (10)_____ for labor or work performed and/or material furnished prior to the (4)_____ day of (5)_____, 20(6)___.

Additionally, nothing in this Partial Waiver of Mechanic's Lien shall in any way affect the priority of any lien filed after the date hereof. Further, the undersigned specifically reserves all lien rights for labor or work performed and/or material furnished after the (4)_____ day of (5)_____, 20(6)___ on or to the above referenced project.

THE INDIVIDUAL SIGNING THIS PARTIAL LIEN WAIVER ON BEHALF OF THE UNDERSIGNED, WARRANTS THAT HE/SHE HAS FULL AUTHORITY TO EXECUTE THIS LIEN WAIVER.

Dated this (11)_____ day of (12)_____, 20(13)___.

WITNESSES:

(15) _____
(14) _____ By: _____
(14) _____ (16)

STATE OF OHIO,
COUNTY OF FRANKLIN, ss:

Subscribed and acknowledged in my presence at (17)_____, Ohio, as being the free and voluntary act and deed of (15)_____ for the use and purposes therein mentioned on the (11)_____ day of (12)_____, 20(13)___.

NOTARY PUBLIC

- (1) Underlined material may require editing
- (2) Number of Progress Payment
- (3) Amount of Progress Payment
- (4) Day - Effective Date of Progress Payment
- (5) Month - Effective Date of Progress Payment
- (6) Year - Effective Date of Progress Payment
- (7) Name of Project
- (8) Address of Project
- (9) Name of Owner
- (10) Name of Original Contractor
- (11) Day
- (12) Month
- (13) Year
- (14) Signature of Witness
- (15) Name of Party Waiving Lien
- (16) Name and Capacity of Signing Agent
- (17) Location of Acknowledgment

Review Set
Not For Bidding

UNCONDITIONAL PARTIAL WAIVER OF MECHANICS' LIEN

Progress Payment No. (2)_____

TO ALL WHOM IT MAY CONCERN:

The undersigned, in consideration of the sum of (3)_____ Dollars (\$_____), the receipt of which is hereby acknowledged, subject to the reservations contained hereinbelow, does hereby waive, release and relinquish any and all liens and claims for liens for labor or work performed and/or material furnished through the (4)_____ day of (5)_____, 20(6)___ to the construction project commonly known as (7)_____, located at (8)_____ and owned by (9)_____.

Nothing in this Partial Waiver of Mechanics' Lien shall waive or otherwise affect lien rights for retainage now being held by (10)_____ for labor or work performed and/or material furnished prior to the (4)_____ day of (5)_____, 20(6)___.

Additionally, nothing in this Partial Waiver of Mechanic's Lien shall in any way affect the priority of any lien filed after the date hereof. Further, the undersigned specifically reserves all lien rights for labor or work performed and/or material furnished after the (4)_____ day of (5)_____, 20(6)___ on or to the above referenced project.

THE INDIVIDUAL SIGNING THIS PARTIAL LIEN WAIVER ON BEHALF OF THE UNDERSIGNED, WARRANTS THAT HE/SHE HAS FULL AUTHORITY TO EXECUTE THIS LIEN WAIVER.

Dated this (11)_____ day of (12)_____, 20(13)_____.

WITNESSES:

(15) _____
(14) _____ By: _____
(14) _____ (16)

STATE OF OHIO,
COUNTY OF FRANKLIN, ss:

Subscribed and acknowledged in my presence at (17)_____, Ohio, as being the free and voluntary act and deed of (15)_____ for the use and purposes therein mentioned on the (11)_____ day of (12)_____, 20(13)_____.

NOTARY PUBLIC

- (1) Underlined material may require editing
- (2) Number of Progress Payment
- (3) Amount of Progress Payment
- (4) Day - Effective Date of Progress Payment
- (5) Month - Effective Date of Progress Payment
- (6) Year - Effective Date of Progress Payment
- (7) Name of Project
- (8) Address of Project
- (9) Name of Owner
- (10) Name of Original Contractor
- (11) Day
- (12) Month
- (13) Year
- (14) Signature of Witness
- (15) Name of Party Waiving Lien
- (16) Name and Capacity of Signing Agent
- (17) Location of Acknowledgment

Review Set
Not For Bidding

CONDITIONAL WAIVER OF MECHANICS' LIEN

TO ALL WHOM IT MAY CONCERN:

Upon receipt of the sum of (2) _____ Dollars (\$ _____), the undersigned, does hereby waive, release and relinquish any and all liens and claims for liens for labor or work performed and/or material furnished to the construction project commonly known as (3) _____, located at (4) _____ and owned by (5) _____.

Additionally, the undersigned agrees to serve a new Notice of Furnishing if the undersigned furnishes additional material or performs additional labor or work on or to the aforementioned project, after the date hereof, and for which the undersigned wishes to reserve lien rights against said project.

THE INDIVIDUAL SIGNING THIS LIEN WAIVER ON BEHALF OF THE UNDERSIGNED, WARRANTS THAT HE/SHE HAS FULL AUTHORITY TO EXECUTE THIS LIEN WAIVER.

Dated this (6) _____ day of (7) _____, 20(8) _____.

WITNESSES:

(9) _____ By: (10) _____ (11) _____
(9) _____

STATE OF OHIO,
COUNTY OF FRANKLIN, ss:

Subscribed and acknowledged in my presence at (12) _____, Ohio, as being the free and voluntary act and deed of (10) _____ for the use and purposes therein mentioned on the (6) _____ day of (7) _____, 20(8) _____.

NOTARY PUBLIC

- (1) Underlined material may require editing
- (2) Amount of Payment
- (3) Name of Project
- (4) Address of Project
- (5) Name of Owner
- (6) Day
- (7) Month
- (8) Year
- (9) Signature of Witness
- (10) Name of Party Waiving Lien
- (11) Name and Capacity of Signing Agent
- (12) Location of Acknowledgment

Review Set
Not For Bidding

UNCONDITIONAL WAIVER OF MECHANICS' LIEN

TO ALL WHOM IT MAY CONCERN:

The undersigned, in consideration of the sum of (2) _____ Dollars (\$ _____), the receipt of which is hereby acknowledged, does hereby waive, release and relinquish any and all liens and claims for liens for labor or work performed and/or material furnished to the construction project commonly known _____ as _____ (3) _____, located _____ at _____ (4) _____ and _____ owned _____ by _____ (5) _____.

Additionally, the undersigned agrees to serve a new Notice of Furnishing if the undersigned furnishes additional material or performs additional labor or work on or to the aforementioned project after the date hereof, and for which the undersigned wishes to reserve lien rights against said project.

THE INDIVIDUAL SIGNING THIS LIEN WAIVER ON BEHALF OF THE UNDERSIGNED, WARRANTS THAT HE/SHE HAS FULL AUTHORITY TO EXECUTE THIS LIEN WAIVER.

Dated this (6) _____ day of (7) _____, 20(8) _____.

WITNESSES:

(10) _____
(9) _____ By: _____
(9) _____ (11)

STATE OF OHIO,
COUNTY OF FRANKLIN, ss:

Subscribed and acknowledged in my presence at (12) _____, Ohio, as being the free and voluntary act and deed of (10) _____ for the use and purposes therein mentioned on the (6) _____ day of (7) _____, 20(8) _____.

NOTARY PUBLIC

- (1) Underlined material may require editing
- (2) Amount of Payment
- (3) Name of Project
- (4) Address of Project
- (5) Name of Owner
- (6) Day
- (7) Month
- (8) Year
- (9) Signature of Witness
- (10) Name of Party Waiving Lien
- (11) Name and Capacity of Signing Agent
- (12) Location of Acknowledgment

Review Set
Not For Bidding

CITY OF WORTHINGTON

PAYROLL INFORMATION

Date

I, _____, _____, do
(Name of Signatory Party) (Title)
hereby certify:

1. That I pay or supervise the payment of the persons employed by _____ on the 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT NO. 618-15.

2. That during the payroll period commencing on the _____ day of _____, 20____, and ending on the _____ day of _____, 20____, all persons employed on said project have been paid the full weekly wages earned; that no rebates have been or will be made either directly or indirectly to or on behalf of said _____

(Contractor/Subcontractor)

from the full weekly wages earned by such persons; and that no deductions have been made either directly or indirectly from the wages earned by such persons, other than permissible deductions which are described below:

3. That any payrolls otherwise under this Contract required for the above period are correct and complete; that the wage rates for laborers or mechanics contained therein are not less than the applicable wage rates contained in the specifications as supplied by the Department of Industrial Relations or any wage determination incorporated into the Contract and that the classifications set forth therein for each laborer or mechanic conform with the work he/she performed.

4. That any apprentices employed in the above period are duly registered in a bona fide apprenticeship program registered with the Ohio Apprenticeship Council.

5. That:

(a) Where fringe benefits are paid to approved plans, funds, or programs, in addition to the basic hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits listed in the Contract have been or will be made to appropriate programs for the benefit of such employees, except as noted in Section 4(c) below; and

(b) Where fringe benefits are paid in cash, each laborer or mechanic listed in the above referenced payroll has been paid as indicated on the payroll, an amount not less than the sum of the applicable basic hourly wage rate plus the amount of the required fringe

benefits as listed in the Contract, except as noted in Section 4(c) below:

(c) Exceptions:

Exception (Craft)

Explanation

Remarks:

Name and Title _____

Signature

The willful falsification of any of the above statements may subject the Contractor or Subcontractor to fines as described in Section 4115.99 of the Ohio Revised Code.

Review Set
Not For Bidding

FINAL PAYROLL AFFIDAVIT
(Contractor or Subcontractor)

I, _____,
(Name of person signing affidavit) (Title)

of the _____, do hereby certify
that the wages paid to all employees for the full number of hours worked
in connection with the Contract to the Improvement, Repair and

Construction of: 2016 CENTRAL DISTRICT SANITARY SEWER LINING, PROJECT
NO. 618-15 Various City Street Locations City Wide
(Project and Location)

during the following period from _____ to _____ is in accordance with
the prevailing wages prescribed by the Contract Document. I further
certify that no rebates or deductions for any wages due any person have
been directly or indirectly made other than those provided by law.

(Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of
_____, 2016.

NOTARY PUBLIC

The above affidavit must be executed and sworn to by the officer or agent
or the Contractor or Subcontractor who supervises the payment of
employees, before the Owner will release the surety and/or make final
payment due under the terms of the Contract.

Rev. 7/22/87

ATTACHMENT A: PREVAILING WAGES

Review Set
Not For Bidding

Prevailing Wage Determination Cover Letter

County: FRANKLIN ▼
Determination Date: 09/06/2016
Expiration Date: 12/06/2016

THE FOLLOWING PAGES ARE PREVAILING RATES OF WAGES ON PUBLIC IMPROVEMENTS FAIRLY ESTIMATED TO BE MORE THAN THE AMOUNT IN O.R.C. SEC. 4115.03 (b) (1) or (2), AS APPLICABLE.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work, and shall be printed on the bidding blanks where the work is done by contract..."

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wage as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefore an affidavit stating that he has fully complied with Chapter 4115 of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code (the basic hourly rates plus certain fringe benefits). These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115 of the Ohio Revised Code by contractors and subcontractors. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to the Prevailing Wage Coordinator appointed by the public authority as soon as prevailing wage rates increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of work a legible statement of the Schedule of Wage Rates specified in the contract to the various classifications of laborers, workmen, and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07, Ohio Revised Code.

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio Apprenticeship Council.

Section 4115.071 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, Ohio Revised Code, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code.

Section 4115.05 provides for an escalator in the prevailing wage rate. Each time a new rate is established, that rate is required to be paid on all ongoing public improvement projects.

A further requirement of Section 4115.05 of the Ohio Revised Code is: "On the occasion of the first pay date under a contract, the contractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of Labor with individual written

notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage Coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed.”

Work performed in connection with the installation of modular furniture may be subject to prevailing wage.

THIS PACKET IS NOT TO BE SEPARATED BUT IS TO REMAIN COMPLETE AS IT IS SUBMITTED TO YOU. (Reference guidelines and forms are included in this packet to be helpful in the compliance of the Prevailing Wage law.)

wh1500

Review Set
Not For Bidding



Department of Commerce

Division of Industrial Compliance

Bureau of Wage and Hour Administration
6606 Tussing Road - PO Box 4009
Reynoldsburg, OH 43068-9009
Phone 614-644-2239 | Fax 614-728-8639
TTY/TDD 800-750-0750
www.com.ohio.gov
An Equal Opportunity Employer and Service Provider

John R. Kasich, Governor
Andre T. Porter, Director

PREVAILING WAGE CONTRACTOR RESPONSIBILITIES

This is a summary of prevailing wage contractors' responsibilities. For more detailed information please refer to Chapter 4115 of the Ohio Revised Code

General Information

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$250,000 for new construction or \$75,000 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting.

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$84,314 for new construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction or \$25,261 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting of a public improvement that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction.

- a) Thresholds are to be adjusted biennially by the Administrator of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration
- b) Biennial adjustments to threshold levels are made according to the Price Deflator for Construction Index, United States Department of Commerce, Bureau of the Census*, but may not increase or decrease more than 3% for any year

Penalties for violation

Violators are to be assessed the wages owed, plus a penalty of 100% of the wages owed.

Intentional Violations

If an intentional violation is determined to have occurred, the contractor is prohibited from contracting directly or indirectly with any public authority for the construction of a public improvement. Intentional violation means "a willful, knowing, or deliberate disregard for any provision" of the prevailing wage law and includes but is not limited to the following actions:

- Intentional failure to submit payroll reports as required, or knowingly submitting false or erroneous reports.
- Intentional misclassification of employees for the purpose of reducing wages.
- Intentional misclassification of employees as independent contractors or as apprentices.
- Intentional failure to pay the prevailing wage.
- Intentional failure to comply with the allowable ratio of apprentices to skilled workers as required by the regulations established by Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration.
- Intentionally employing an officer, of a contractor or subcontractor, that is known to be prohibited from contracting, directly or indirectly, with a public authority.

Responsibilities

- A. Pay the prevailing rate of wages as shown in the wage rate schedules issued by the Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration, for the classification of work being performed.
 1. Wage rate schedules include all modifications, corrections, escalations, or reductions to wage rates issued for the project.

2. Overtime must be paid at time and one-half the employee's base hourly rate. Fringe benefits are paid at straight time rate for all hours including overtime.
 3. Prevailing wages must be paid in full without any deduction for food, lodging, transportation, use of tools, etc.; unless, the employee has voluntarily consented to these deductions in writing. The public authority and the Director of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration - must approve these deductions as fair and reasonable. Consent and approval must be obtained before starting the project.
- B. Use of Apprentices and Helpers cannot exceed the ratios permitted in the wage rate schedules.
1. Apprentices must be registered with the U.S. Department of Labor Bureau of Apprenticeship and Training.
 2. Contractors must provide the Prevailing Wage Coordinator a copy of the Apprenticeship Agreement for each apprentice on the project.
- C. Keep full and accurate payroll records available for inspection by any authorized representative of the Ohio Department of Commerce, Division of Industrial Compliance, and Labor, Bureau of Wage and Hour Administration or the contracting public authority, including the Prevailing Wage Coordinator. Records should include but are not limited to:
1. Time cards, time sheets, daily work records, etc.
 2. Payroll ledger/journals and canceled checks/check register.
 3. Fringe benefit records must include program, address, account number, & canceled checks.
 4. Records made in connection with the public improvement must not be removed from the State for one year following the completion of the project.
 5. Out-of-State Corporations must submit to the Ohio Secretary of State the full name and address of their Statutory Agent in Ohio.
- D. Prevailing Wage Rate Schedule must be posted on the job site where it is accessible to all employees.
- E. Prior to submitting the initial payroll report, supply the Prevailing Wage Coordinator with your project dates to schedule reporting of your payrolls.
- F. Supply the Prevailing Wage Coordinator a list of all subcontractors including the name, address, and telephone number for each.
1. **Contractors are responsible for their subcontractors' compliance with requirements of Chapter 4115 of the Ohio Revised Code.**
- G. Before employees start work on the project, supply them with written notification of their job classification, prevailing wage rate, fringe benefit amounts, and the name of the Prevailing Wage Coordinator for the project. A copy of the completed signed notification should be submitted to Prevailing Wage Coordinator.
- H. Supply all subcontractors with the Prevailing Wage Rates and changes.
- I. Submit certified payrolls within two (2) weeks after the initial pay period. Payrolls must include the following information:
1. Employees' names, addresses, and social security numbers.
 - (a) Corporate officers/owners/partners and any salaried personnel who do physical work on the project are considered employees. All rate and reporting requirements are applicable to these individuals.
 2. Employees' work classification.
 - (a) Be specific about the laborers and/or operators (Group)
 - (b) For all apprentices, show level/year and percent of journeyman's rate
 3. Hours worked on the project for each employee.

- (a) The number of hours worked in each day and the total number of hours worked each week.
 4. Hourly rate for each employee.
 - (a) The minimum rate paid must be the wage rate for the appropriate classification. The Department's Wage Rate Schedule sets this rate.
 - (b) All overtime worked is to be paid at time and one-half for all hours worked more than forty (40) per week.
 5. Where fringes are paid into a bona fide plan instead of cash, list each benefit and amount per hour paid to program for each employee.
 - (a) When the amount contributed to the fringe benefit plan and the total number of hours worked by the employee on all projects for the year are documented, the hourly amount is calculated by dividing the total contribution of the employer by the total number of hours worked by the employee.
 - (b) When the amount contributed to the fringe benefit is documented but not the total hours worked, the hourly amount is calculated by **dividing the total yearly contribution by 2080**.
 6. Gross amount earned on all projects during the pay period.
 7. Total deductions from employee's wages.
 8. Net amount paid.
- J. The reports shall be certified by the contractor, subcontractor, or duly appointed agent stating that the payroll is correct and complete; and that the wage rates shown are not less than those required by the O.R.C. 4115.
- K. Provide a Final Affidavit to the Prevailing Wage Coordinator upon the completion of the project.

Review Set
Not For Bidding

First 6 months	80.00	\$20.56	\$6.81	\$6.70	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.27	\$44.55
7-12 months	85.00	\$21.84	\$6.81	\$6.70	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.56	\$46.48
13-18 months	90.00	\$23.13	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.14	\$41.71
19-24 months	95.00	\$24.41	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.42	\$43.63
25-30 months	100.00	\$25.70	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.71	\$45.56

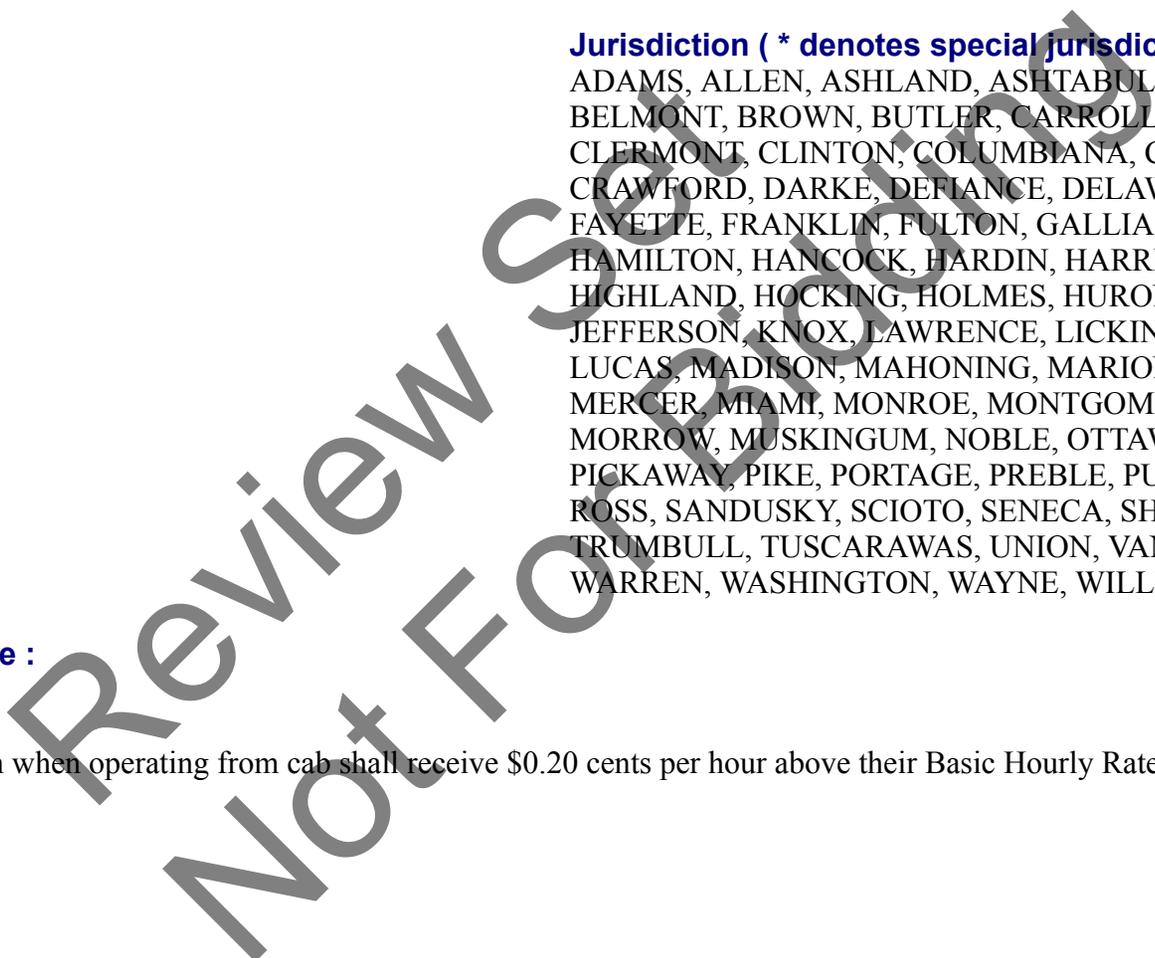
Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :
 3 Journeymen to 1 Apprentice
 per company/project

Jurisdiction (* denotes special jurisdictional note) :
 ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE,
 BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK,
 CLERMONT, CLINTON, COLUMBIANA, COSHOCTON,
 CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD,
 FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY,
 HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY,
 HIGHLAND, HOCKING, HOLMES, HURON, JACKSON,
 JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LORAIN,
 LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS,
 MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN,
 MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY,
 PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND,
 ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT,
 TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON,
 WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :
 ** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.



HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON,
JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING,
LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION,
MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY,
MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA,
PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,
PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA,
SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION,
VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE,
WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note : Industrial Dock and Door is the installation of overhead doors, roll up doors and dock leveling equipment

Details :

10/27/10 New Contract jc

Review Set
Not For Bidding

HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, TUSCARAWAS, UNION, VAN WERT, VINTON, WASHINGTON, WAYNE, WYANDOT

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site, Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Review Set
Not For Bidding

Ratio :

3 Journeymen to 1 Apprentice
 6 Journeymen to 2 Apprentice
 9 Journeymen to 2 Apprentice
 12 Journeymen to 4 Apprentice
 15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :**Details :**

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.
 (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Review Set
 Not For Bidding

7th 6 months												
8th 6 months	95.00	\$27.94	\$6.45	\$7.39	\$0.36	\$0.00	\$4.91	\$0.10	\$0.00	\$0.00	\$47.15	\$61.12

Special Calculation Note : \$.10 Other is for Industry and Millwright Fund.

Ratio :
3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
DELAWARE, FAIRFIELD, FRANKLIN, GUERNSEY, LICKING, MADISON, MARION, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, UNION

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

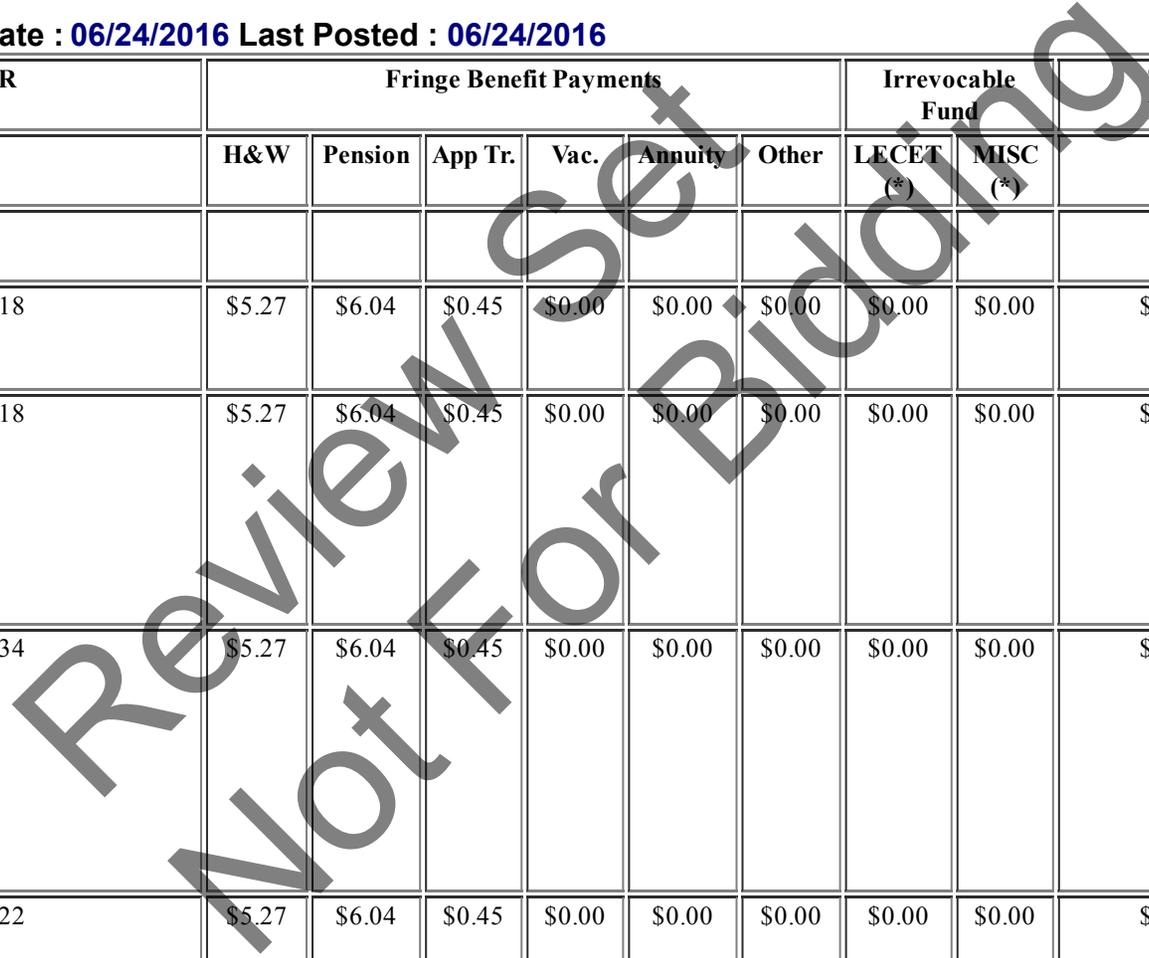
Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 1275 HevHwy

Change # : LCN01-2016fbLoc1275

Craft : Painter Effective Date : 06/24/2016 Last Posted : 06/24/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Bridge Class 1	\$34.18	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.94	\$63.03
Painter Bridges Class 1 Qualified Painters Blasters Riggers	\$34.18	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.94	\$63.03
Painter Bridges Class 2 Equipment Tenders and/or Containment Builders	\$27.34	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.10	\$52.77
Painter Bridges Class 3 Support Personal	\$22.22	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.98	\$45.09



Apprentice	Percent												
1st 0-1500 hrs	60.00	\$20.51	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.30	\$36.55
2nd 1501-3000 hrs	70.00	\$23.93	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.72	\$41.68
3rd 3001-4500 hrs	80.00	\$27.34	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.13	\$46.81
4th 4501-6000 hrs	90.00	\$30.76	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.55	\$51.93

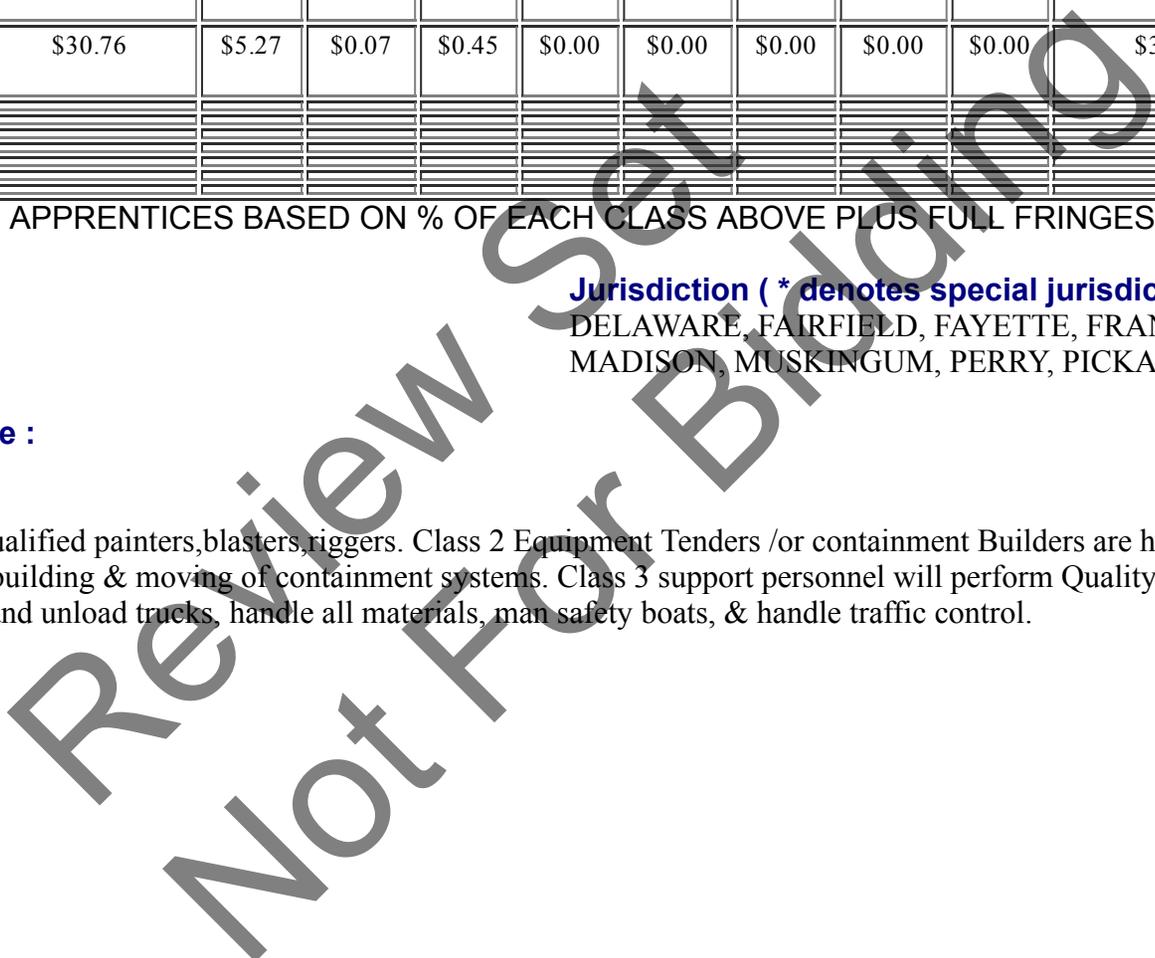
Special Calculation Note : APPRENTICES BASED ON % OF EACH CLASS ABOVE PLUS FULL FRINGES

Ratio :
1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, KNOX, LICKING, MADISON, MUSKINGUM, PERRY, PICKAWAY, ROSS, UNION

Special Jurisdictional Note :

Details :
Heavy Highway Class 1 are qualified painters, blasters, riggers. Class 2 Equipment Tenders /or containment Builders are hired to tend employers equipment also engage in the building & moving of containment systems. Class 3 support personnel will perform Quality control duties, clean abrasive blast materials, load and unload trucks, handle all materials, man safety boats, & handle traffic control.



MADISON, MARION, MORROW, MUSKINGUM, PERRY,
PICKAWAY, RICHLAND, ROSS, UNION, VINTON, WYANDOT

Special Jurisdictional Note :

Details :

PLASTERER IMPROVERS:

Is a person who has skills between an Apprentice and a Journeyman can be signed in as an Improver. An Improver receives 85% of the current wage and pension. All other benefits are same as Journeyman. The Improver has the opportunity to advance to Journeyman level by:

- (1) Working through a trial period of no more than 2,000 hrs.
- (2) Attending all safety and upgrading classes held or required.

Working on swing stage, slip scaffold or window jack scaffold shall receive the following rates:

\$.50 above the regular rate for heights up to fifty (50) feet above grade level

\$1.00 above the regular rate for heights over fifty (50) feet above grade level

Review Set
Not For Bidding

3rd YEAR 25 - 30 Months												
4th YEAR 37 - 42 Months	90.00	\$25.31	\$7.10	\$9.50	\$0.34	\$0.00	\$3.00	\$0.00	\$0.00	\$0.00	\$45.25	\$57.90

Special Calculation Note : Impact Fund:Training

Ratio :

Rod Work
3 Journeymen to 1 Apprentice
Structural Work
4 Journeymen to 1 Apprentice

Finishing, Steel Sash, Stairway and Ornamental
1 Journeymen to 1 Apprentice
Sheet Gang
1 Apprentice for every sheeting gang per project

Jurisdiction (* denotes special jurisdictional note) :

CHAMPAIGN*, CLARK, CRAWFORD*, DELAWARE, FAIRFIELD, FAYETTE*, FRANKLIN, HARDIN*, HIGHLAND*, HOCKING, JACKSON*, KNOX, LICKING, LOGAN*, MADISON*, MARION, MORROW, MUSKINGUM*, PERRY, PICKAWAY, PIKE, ROSS, UNION, VINTON, WYANDOT*

Special Jurisdictional Note : Champaign County Twps included: Wayne, Rush, Goshen. Crawford County Twps included: Bucyrus, Dallas, Jefferson, Jackson, Whetstone, Polk, Sandusky. Fayette County Twps included: Paint, Marion, Perry, Madison, Wayne, Union. Hardin County Twps included: McDonald, Taylorcreek, Hale, Dudley, Pleasant, Goshen, Blanchard, Lynn, Jackson, Buck, Cessna, Marion, Washington. Highland County Twps included: Madison. Jackson County Twps included: Liberty, Washington, Milton, Jackson, Coal, Wilkesville. Logan County Twps included: Monroe, Zane, Jefferson, Perry, Rush Creek, Bokes Creek. Madison County Twps included: Range, Paint, Fairfield, Sommerford, Jefferson, Pike, Canaan, Pleasant, Oak Run, Union, Deer Creek, Monroe, Darby. Pike County Twps included: Perry, Benton, Mifflin, Sunfish, Newton, Prebble, Pee Pee, Seal, Beaver, Jackson. Wyandot County Twps included: Jackson, Marseilles, Mifflin, Pitt, Antrim. Muskingum County includes: Jackson, Licking, Hope Well, Newton, Clay, Cass, Muskingum falls, Springfield, Madison, Washington, Wayne, Brush Creek.

Details :

Hot Pay \$1.00 above the journeymen rate: defined as a work area in which the temperature is in excess of 150 degrees F due to the presence of a furnace, smelter, incinerator, or other equipment that emits extreme heat.

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

Employees-----Journeyman to Apprentice

per Job

- 1) 1-0
- 2) 1-1
- 3) 2-1
- 4) 2-2
- 5) 3-2
- 6) 4-2
- 7) 4-3
- 8) 5-3
- 9) 6-3
- 10) 6-4
- 11) 7-4
- 12) 8-4
- 13) 8-5
- 14) 9-5
- 15) 10-5
- 16) 10-6
- 17) 11-6
- 18) 12-6
- 19) 12-7
- 20) 13-7
- 21) 14-7
- 22) 14-8
- 23) 15-8
- 24) 16-8
- 25) 16-9

Heating Piping refrigeration, Temperature Control, Air Conditioning Ratio

(1) Additional Apprentice to (3) Journeymen thereafter

Employees Journeyman to Apprentice

per Job

- 1) Employee 1-0
- 2) Employees 1-1
- 3) Employees 2-1
- 4) Employees 2-2
- 5) Employees 3-2
- 6) Employees 4-2

Jurisdiction (* denotes special jurisdictional note) :

DELAWARE, FAIRFIELD, FRANKLIN, HOCKING, LICKING, MARION, PERRY, PICKAWAY, ROSS, UNION

Review Set
Not For Bidding

- 7) Employees 5-2
- 8) Employees 5-3
- 9) Employees 6-3
- 10) Employees 7-3
- 11) Employees 8-3
- 12) Employees 8-4
- 13) Employees 9-4
- 14) Employees 10-4
- 15) Employees 11-4
- 16) Employees 11-5
- 17) Employees 12-5
- 18) Employees 13-5
- 19) Employees 14-5
- 20) Employees 14-6
- 21) Employees 15-6
- 22) Employees 17-5
- 23) Employees 18-5
- 24) Employees 18-6
- 25) Employees 19-6
- 26) Employees 20-6
- 28) Employees 22-6
- 29) Employees 22-7
- 30) Employees 23-7
- 31) Employees 23-7
- 32) Employees 25-7
- 33) Employees 26-7
- 34) Employees 26-8

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

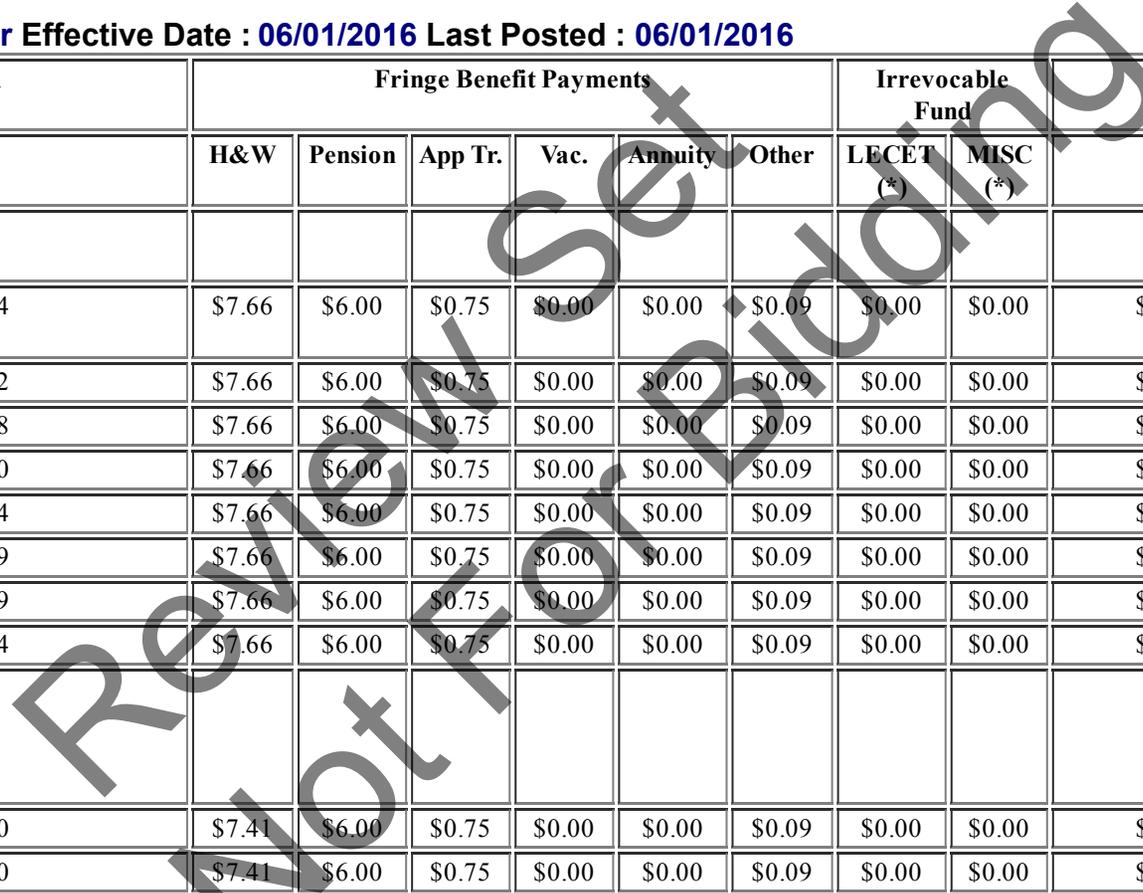
Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy II

Change # : LCN01-2016fbLoc18hevhwyl

Craft : Operating Engineer Effective Date : 06/01/2016 Last Posted : 06/01/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Operator Class 1	\$33.84	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$48.34	\$65.26
Class 2	\$33.72	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$48.22	\$65.08
Class 3	\$32.68	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.18	\$63.52
Class 4	\$31.50	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.00	\$61.75
Class 5	\$26.04	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$40.54	\$53.56
Class 6	\$34.09	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$48.59	\$65.64
Class 7	\$34.09	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$48.59	\$65.64
Class 8	\$34.34	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$48.84	\$66.01
Great Lakes Floating Agreement											
Class 1	\$41.90	\$7.41	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$56.15	\$77.10
Class 2A	\$40.40	\$7.41	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.65	\$74.85
Class 2B	\$40.40	\$7.41	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.65	\$74.85
Class 3	\$35.95	\$7.41	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$50.20	\$68.18
Class 4	\$29.90	\$7.41	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$44.15	\$59.10
Apprentice	Percent										



1st Year	50.00	\$16.92	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$31.42	\$39.88
2nd Year	60.00	\$20.30	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.80	\$44.96
3rd Year	70.00	\$23.69	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.19	\$50.03
4th Year	80.00	\$27.07	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$41.57	\$55.11
Field Mech Trainee Class 2												
1st year	49.82	\$16.86	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$31.36	\$39.79
2nd year	59.78	\$20.23	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.73	\$44.84
3rd year	69.73	\$23.60	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.10	\$49.89
4th year	79.73	\$26.98	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$41.48	\$54.97

Special Calculation Note : Other: Education & Safety Fund is \$0.09 per hour.

Ratio :

For every (3) Operating Engineer Journeymen employed by the company there may be employed (1) Registered Apprentice. An apprentice, while employed as part of a crew per Article VIII paragraph 65, will not be subject the apprenticeship ratios in this collective bargaining agreement. On jobs where maintenance engineers are to be employed, for every (2) Class 2 Mechanics there may be (1) Mechanic Trainee & so fourth. Mechanic Trainee rate is a percentage of Class 2 rate.

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

**Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% increase if they are required to have CDL.

Class 1 - Air Compressors on Steel Erection; Barrier Moving Machine; Boiler Operators, on Compressors or Generators, when mounted on a rig; Cableways, Combination Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types, including Boom Trucks, Cherry Pickers); Derricks; Draglines, Dredgers (dipper, clam or suction); Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls, Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting

system); Industrial - Type Tractors; Jet Engine Dryers (D8 or D9), Diesel Tractors; Locomotives (standard gage); Maintenance Operators (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Side Booms; Slip Form Pavers; Tower Dericks; Tree Shredders; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes, track rubber over 4,000 pound capacity, self-erecting cranes; stationary, track or truck (all configurations) Bucket trench machines (over 24 inches wide).

Class 2 - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or skid steer loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Endloaders; Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Maintenance Operators, Class B (Portage and Summit Counties only); Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Trench Machines (24inch wide and under); Vermeer Type Concrete saw. Material Transfer Equipment (Shuttle buggy) Asphalt; All rotomills,grinders and planers of all types. Horizontal Directional Drill (Over 50,000 ft.lbs.thrust and over)

Class 3 - A-Frames; Air Compressors, on tunnel work (low Pressure); Asphalt Plant Engineers; Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Rollers, asphalt; Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rotator (lime-soil Stabilizer); Switch & Tie Tampers (without lifting and aligning device); Locomotives (narrow gage); Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Utilities Operators, (small equipment); Welding Machines; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour).

Class 4 -Ballast Re-locator; Backfillers, Batch Plants; Bar and Joint Installing Machines; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yd and under); Conveyors (highway); Concrete Saws (multiple); Crushers; Deckhands; Farm type tractors, with attachments (highway), except masonry; Finishing Machines; Firemen, Floating Equipment (all types); Fork Lifts (highway); Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers; Plant Mixers; Post Drivers; Post Hole Diggers (power auger); Power Brush Burners; Power Form Handling Equipment; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-Graders; Tractors, pulling sheepsfoot rollers or graders; Steam Firemen; Vibratory Compactors, with integral power.

Class 5 - Compressors (portable, Sewer, Heavy and Highway); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters; Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen; Drum Fireman (in Asphalt Plant); Oil Heaters (Asphalt Plant); Tire Repairmen; VAC/ALLS; Fueling and greasing (plus \$3.00), compact cranes: track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Class 7 - Crane Boom 150 ft - 180 ft

Class 8 - Crane Boom over 180 ft .

GREAT LAKES FLOATING AGREEMENT:

Class 1 - Diver,Wet Tender, Engineer, (Hyd.Dredge), Craft Foreman (Master Mechanic)

Class 2A - Crane Backhoe Operator,Mechanic/Welder,Assistant Engineer (Hyd. Dredge), Leverman (Hyd Dredge) Diver Tender, Tug Operator (Tug

70T and over)

Class 2B - Friction Crane, Lattice Boom or any Crane Certification.

Class 3 - Deck Equipment Operator, (Machineryman), Maint. of Crane, Tug/Launch Operator, Loader/Dozer on Barge, Deck Machinery, Maintenance of Crane (over 50T capacity), or Backhoe (115,000lbs or more) Loaders/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock Scow.

Class4 - Deck Equipment Operator, (Machineryman/Fireman)(4 equipment Units or more), Deck Hand, Tug Engineer, Crane Maintenance, 50T and under/Backhoe 115,000lbs or less, Assistant Tug Operator, add off Road Truck.

Review Set
Not For Bidding

1st Year	50.00	\$16.92	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$31.42	\$39.88
2nd Year	60.00	\$20.30	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.80	\$44.96
3rd Year	70.00	\$23.69	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.19	\$50.03
4th Year	80.00	\$27.07	\$7.66	\$6.00	\$0.75	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$41.57	\$55.11

Special Calculation Note : Other: Education & Safety

Ratio :

For every (3) Operating Engineer Journeymen employed by the company ,there may be employed (1) Registered Apprentice. An apprenice, while employed as part of a crew per Article VIII, paragraph 77, will not be subject to the apprenticeship ratios in this collective bargaining agreement. On jobs where maintenance engineers are to be employed, for every (2) Class 2 Mechanics there may be (1) Mechanic Trainee & so fourth.

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WYANDOT

Special Jurisdictional Note :

Details :

**Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% increase if required to have CDL

Class 1 - Barrier Moving Machine; Boiler Operators or Compressor Operators, when compressor or boiler is mounted on crane (Piggyback Operation); Boom Trucks (all types); Cableways Cherry Pickers; Combination - Concrete Mixers & Towers; All Concrete Pumps with Booms; Cranes (all types) Derricks (all types); Draglines Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Gradalls; Helicopter Operators; hoisting building materials; Helicopter Winch Operators, Hoisting building materials; Hoes (All types); Hoists (with two or more drums in use); Hydraulic Gantry (lift system); Laser Finishing Machines; Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Engineers (Mechanic and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps, with booms, Panelboards, (all types on site); Pile Drivers; Power Shovels; Prentice Loader; Rail Tamper (with automatic lifting and aligning device); Rotary Drills (all) used on caissons for foundations and sub-structure work; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Tug Boats. Horizontal Directional Drill, Rough Terrain Fork-lift with Winch/Hoist, Laser Screed, and Like equipment; Compact Cranes, track or rubber over 4,000 pound capacity, self-erecting cranes: stationary, track or truck (all configurations) bucket trench machines (over 24 " wide).

Class 2 - Asphalt Pavers; Bobcat-type and/or skid steer loader with hoe attachment greater than 7000 lbs. Bulldozers; CMI type Equipment;

Endloaders; Hydro Milling Machine; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Pettibone-Rail Equipment; Power Graders; Power Scoops; Power Scrapers; Push Cats; Vermeer Type Concrete Saw; All rotomills, grinders & planers of all types. Articulating/end dumps (minus \$4.00/hour from Class 2 rate)

Class 3 - A Frames; Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Bobcat-type and/or skid steer loader with or without attachments; Boilers (15 lbs pressure and over); All concrete Pumps (without booms with 5 inch system); Fork Lifts (except masonry); Highway Drillers - all types (with integral power); Hoists (with one drum); House Elevators (except those automatic call button controlled); Man lifts; Mud Jacks; Pressure Grouting; Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pumps (4 inches and over discharge); Railroad Tie Inserter/Remover; Rotator (Lime-Soil Stabilizer); Submersible Pumps (4 inches and over discharge); Switch & Tie Tampers (without lifting and aligning device); Trench Machines (24 inches and under); Utility Operators; Material hoist/elevators.

Class 4 - Ballast Re-locator; Backfillers and Tampers; Batch Plant Operators; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Clefplanes; Compressors, on building construction; Concrete Spreader; Conveyors, used for handling building materials; Concrete Mixers, one bag capacity (side loader); Concrete Mixers, capacity more than one bag; Crushers; Deck Hands; Drum Fireman (in Asphalt Plant); Farm type tractors pulling attachments; Finishing Machines; Form Trenchers; Generators; Guniting Machines; Hydro-Seeders; Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Pressure Pumps (over 1/2 inch discharge); Road Widening Trenchers; Rollers (except asphalt); All Concrete pumps (without Boom with 4 inch or smaller systems); Self-Propelled Power Spreaders; Concrete Spreaders; Self-Propelled Sub-graders; Shotcrete Machines; Tire Repairmen; Tractors, pulling sheepfoot rollers or graders; VAC/ALLS; Vibratory Compactors, with integral power; Welder Operators.

Class 5 - Boilers (less than 15 lbs. pressure); Inboard/outboard Motor Boat Launches; Light Plant Operators; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen, Submersible Pumps (under 4 inch discharge). Directional Drill Locator and Allen Screed Concrete Paver. Fueling and greasing (plus \$3.00), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Class 7 - Boom & Jib 150 - 180 feet

Class 8 - Boom & Jib 180 - 249 feet

Class 9 - Boom & Jib 250 - or over

Review
Not For Bidding

MADISON, MAHONING, MARION, MEDINA, MIAMI,
MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE,
PERRY, PICKAWAY, PORTAGE, PREBLE, RICHLAND, ROSS,
SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION,
VINTON, WARREN*, WAYNE

Special Jurisdictional Note : Butler County:(townships of Fairfield,Hanover,Liberty,Milford,Morgan,Oxford,Ripley,Ross,StClair,Union & Wayne.) (Lemon & Madison) Warren County: (townships of: Deerfield, Hamilton, Harlan, Salem, Union & Washington). (Clear Creek, Franklin, Mossie, Turtle Creek & Wayney). Ashtabula County: (post offices & townships of Ashtabula, Austinburg, Geneva, Harperfield, Jefferson, Plymouth & Saybrook) (townships of Andover, Cherry Valley, Colbrook, Canneaut, Denmark, Dorset, East Orwell, Hartsgrove, Kingville, Lenox, Monroe,Morgan,New Lyme,North Kingsville, Orwell, Pierpoint, Richmond Rock Creek, Rome, Sheffield, Trumbull, Wayne, Williamsfield & Windsor) Erie County:(post offices & townships of Berlin, Berlin Heights,Birmingham,Florence ,Huron, Milan, Shinrock & Vermilion)

Details :

Asbestos & lead paint abatement including, but not limited to the removal or encapsulation of asbestos & lead paint, all work in conjunction with the preparation of the removal of same & all work in conjunction with the clean up after said removal. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Abatement Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers.

An Abatement Journeyman is anyone who has more than 300 hours in the Asbestos Abatement field.

Review Set
Not For Bidding

6001 - 7000 hrs												
7001 - 8000 hrs	85.00	\$21.03	\$5.27	\$4.05	\$0.41	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.76	\$41.27

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

DELAWARE, FAIRFIELD, FAYETTE*, FRANKLIN, HOCKING, JACKSON, KNOX, LICKING, MADISON, MARION, MORROW, MUSKINGUM, PERRY, PICKAWAY, PIKE, ROSS, UNION, VINTON

Special Jurisdictional Note : Fayette County except the eastern portion with Route #141 being the dividing line.

Details :

A premium of one dollar (\$1.00) per hour above regular hourly rate of pay shall be paid for each hour worked by every employee from any mechanical lift or scaffold, either suspended or supported including the Hex type scaffolding.

MARKET RECOVERY ADDENDUM- All Glazing work within the jurisdiction of Glaziers Local Union 372 with a glazing Bid Value of less than \$200,000 can Bid at the labor rate listed below (80% of current **11-01-2014** collectively bargained journeyman rate) with fringe benefits contribution rate listed below to be paid to the appropriate funds and in the manner described in the current Collective Bargaining Agreement..

Review Set
Not For Bidding

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice

4 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

FAIRFIELD, FAYETTE, FRANKLIN, HOCKING, LICKING,

MADISON, PICKAWAY, UNION

Special Jurisdictional Note :

Details :

Group 1:

General Laborers, Carpenter Tender, Cathodic Protection, Cleaning Debris, Cleaning of all Material, General Clean-up including Vacuum Cleaning, Scraping and Cleaning of Walls and Floors, Landscape, Installation and Removal of Fencing, Sod Layers, All Portable Heaters, Flagman, Loading and Unloading of all Trucks, Handling and conveying all Materials, Washing of all Windows, Conveyer Belt, All Water Pumps up to and including three (3) inch intake, Watchman, Water Boy and Tool Room Attendant.

Group 2:

Skid Steer, Concrete Specialists, Brick Tender, Stone Mason Tender, Plaster Tender, Mortar Mixer and Operator, Cement Mason Tender, Construction Specialist, All Scaffold Builders (Swinging Scaffolds), Lagging, Bush Hammering, Jack Hammer Operator, Air or Electric Pneumatic Tool Operator, Power Driven Tools, Power Buggy Operators, Pouring and Placement of all concrete, Fork Lift Operators, Power Wheelbarrow Operators, Asphalt and Blacktop Rakers, Wrecker/Demolition, Sand Blasting and Chipping, Welders on Demolition, Grade Checkers, a person on a bucket pouring concrete, Guniting Nozzle man, Wagon and Churn Drill Operator, Concrete Saw Operator, Brush Feeders on pulverizers, Pipe Layers, Bottom Man, Laser Gun, Burners, Sand Blasting of concrete, Vibrator Man, Steward, Signal Man, Caisson, Caisson Bottom Man, Piledrivers, Asbestos and Lead Abatement Laborers.

Hazardous Waste (Level B): Any work requiring the following protective equipment must be paid at Group 2 rate,

A protective suit and an Air Purifying Respirator (APR) with the appropriate filter canisters. The ensemble is used when contaminants are reliably known not to be hazardous to the skin and not IDLH (Immediately Dangerous To Life or Health) and correct filter protection is available. This ensemble offers adequate protection for many jobs. Heat stress may be a problem due to inherent restrictions to breathing in an APR. Also, normal job related injury risk will be nearly as high as for Level C Equipment.

Group 3 Hazardous (Level C:) Any work requiring the following protective equipment must be paid at Group 3 rate,

A chemically resistant splash suit and a (SCBA) or Airline Respirator. This ensemble is required when the situation is very hazardous, such as oxygen deficient atmospheres, IDLH atmospheres, or confined space entries, but the risk of skin exposure is not as great as in Level D situations. Then Level C ensemble gives the second highest level of protection, but also puts physical stress on the worker; primarily heat stress, reduced vision, dexterity and mobility directly attributable to wearing of the protective equipment. Therefore, in addition to the hazardous material, the hazard of the normal job related injuries is greatly increased.

Group 4 Hazardous Waste (Level D) requiring the following protective equipment must be paid at Group 4 rate,

Protective equipment is required when the area has been known to contain extremely toxic contaminants or contaminants unknown but may be expected to be extremely toxic and /or Immediately Dangerous to Life and Health (IDLH). This ensemble includes fully encapsulated chemical suit (moon suit), Self Contained Breathing Apparatus (SCBA), or Airline Fed Respirator, and various types and numbers of boots and gloves, cool vests

and voice activated radios are optional equipment sometimes worn. Level D ensembles provide the highest level of protection from contaminants but places the greatest physical and mental stress on the worker. The claustrophobic environment of the moon suit causes anxiety in most people, which greatly increases the already inherent heat stress problems. Also, this ensemble reduces vision, mobility, dexterity, and communication capacity, all of which increases the risk of normal job related injuries, ie., slips ,falls, caught between, etc

Hazardous Pay of \$0.25 per hour shall be paid in addition to classifications shown above

Swing Scaffolds (suspended by rope or pulley), and swing scaffolds for grain storage tank or grain elevators, when the work is performed at a height of fifty (50) feet or more above the foundations or grade level, whichever is higher. Caisson work and tunnel work (depth being 15 feet or deeper)

Hazardous Waste Removal & Lead Abatement Workers: Exclusive or "Hot" area with toxic or hazardous materials, when one of the following personal protective equipment ensembles will be required for necessary protection against toxic contaminants. All of the ensembles increase the risks of certain types of worker-related injuries. When Laborers complement another craft receiving premium rate of pay Laborers will also receive premium pay for this "HOT" type of work.

Review Set
Not For Bidding

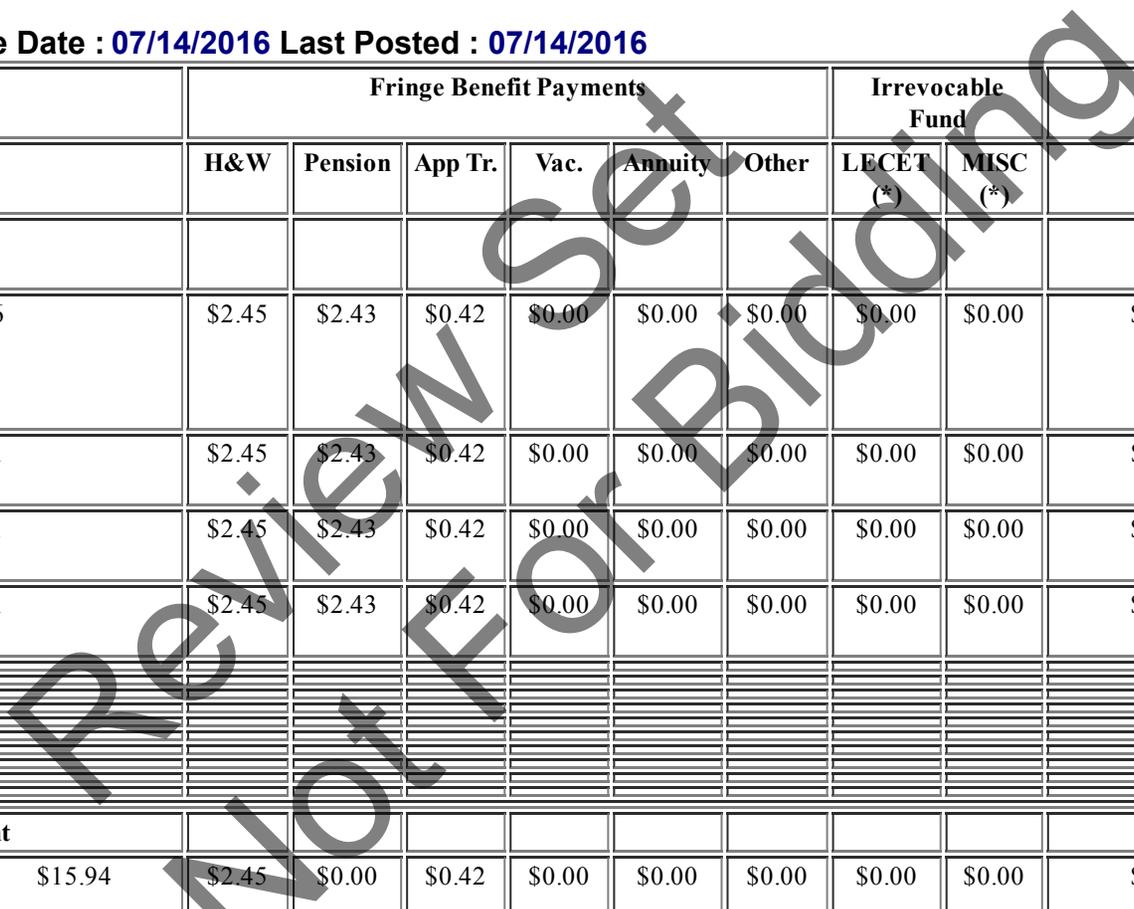
Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 55 Tile & Marble Finisher

Change # : LCN01-2016fbLoc55

Craft : Bricklayer Effective Date : 07/14/2016 Last Posted : 07/14/2016

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Tile Marble Finisher	\$26.56		\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.86	\$45.14
Terrazzo Finisher	\$26.81		\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.11	\$45.52
Floor Grinder	\$27.11		\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.41	\$45.97
Base Grinder	\$27.31		\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.61	\$46.27
Apprentice	Percent											
1st 6 months	60.00	\$15.94	\$2.45	\$0.00	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.81	\$26.77
2nd 6 months	65.00	\$17.26	\$2.45	\$0.00	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.13	\$28.77
3rd 6 months	70.00	\$18.59	\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.89	\$33.19
	75.00	\$19.92	\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.22	\$35.18



4th 6 months													
5th 6 months	80.00	\$21.25	\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.55	\$37.17
6th 6 months	90.00	\$23.90	\$2.45	\$2.43	\$0.42	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.20	\$41.16
Apprentice Improver	40.00	\$10.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.62	\$15.94

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local. Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

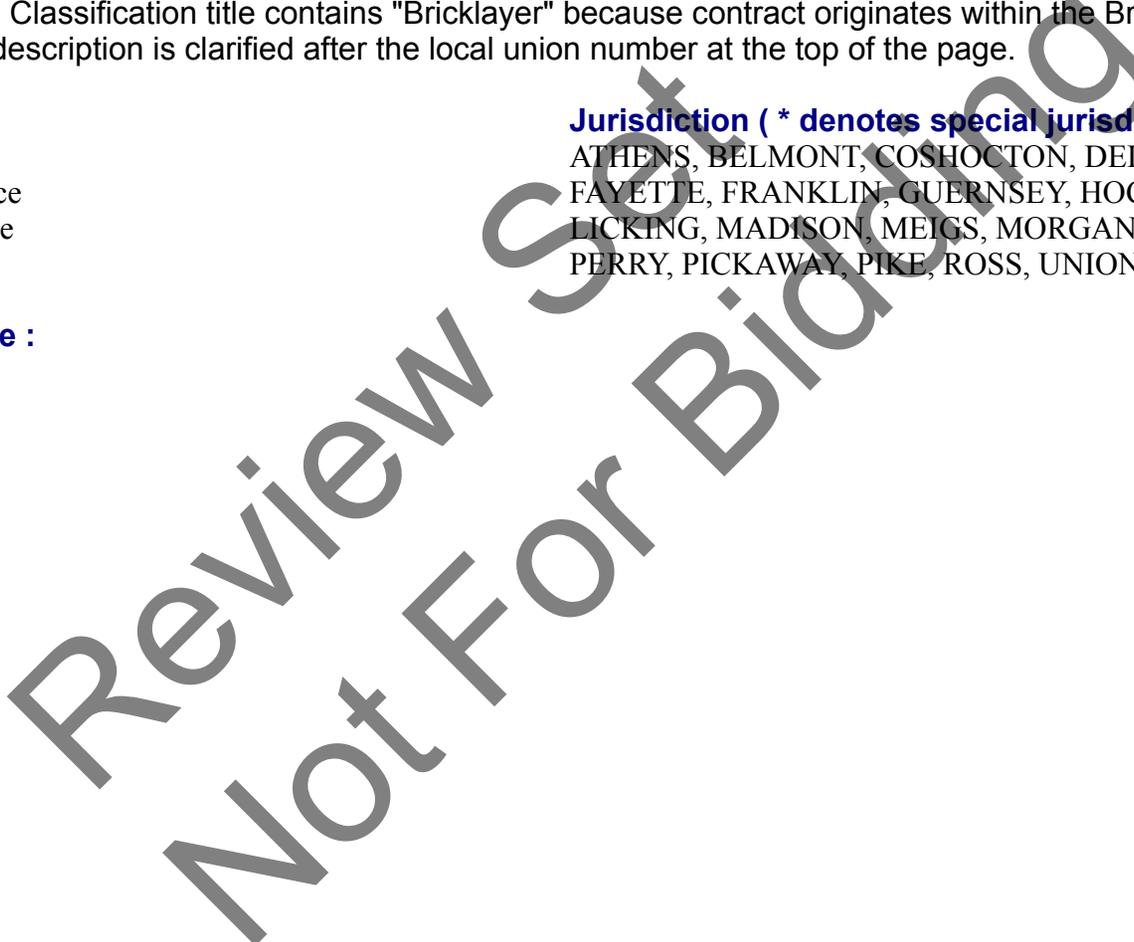
1-2 Journeyman to 1 Apprentice
 3-5 Journeyman to 2 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ATHENS, BELMONT, COSHOCTON, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GUERNSEY, HOCKING, JACKSON, KNOX, LICKING, MADISON, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, UNION, VINTON, WASHINGTON

Special Jurisdictional Note :

Details :



Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 2 Sign

Change # : LCN01-2016fbLoc639

Craft : Painter Effective Date : 08/03/2016 Last Posted : 08/03/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Sign Journeyman Tech/Team Leader Class A	\$21.25	\$1.33	\$0.14	\$0.00	\$0.00	\$0.00	\$0.57	\$0.00	\$0.00	\$23.29	\$33.92
Painter Sign Journeyman Tech/Team Leader Class B	\$21.25	\$1.33	\$0.14	\$0.00	\$0.41	\$0.00	\$0.57	\$0.00	\$0.00	\$23.70	\$34.32
Painter Sign Journeyman Tech/Team Leader Class C	\$21.25	\$1.33	\$0.14	\$0.00	\$0.82	\$0.00	\$0.57	\$0.00	\$0.00	\$24.11	\$34.74
Painter Sign Journeyman Tech/Team Leader Class D	\$21.25	\$1.33	\$0.14	\$0.00	\$1.23	\$0.00	\$0.57	\$0.00	\$0.00	\$24.52	\$35.14
Sign Journeyman Class A	\$20.98	\$1.33	\$0.14	\$0.00	\$0.00	\$0.00	\$0.56	\$0.00	\$0.00	\$23.01	\$33.50

Review Set Not For Bidding

MONTGOMERY, MORROW, MUSKINGUM, OTTAWA, PAULDING,
PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM, ROSS, SANDUSKY,
SCIOTO, SENECA, SHELBY, STARK, TRUMBULL, TUSCARAWAS,
UNION, VAN WERT, WARREN, WAYNE, WILLIAMS, WOOD,
WYANDOT

Special Jurisdictional Note :

Details :

Class A: less that 1 year.

Class B: 1-3 years.

Class C; 3-10 years.

Class D: More than 10 years.

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Change # : LCN01-2016fbLoc7

Craft : Lineman Effective Date : 03/10/2016 Last Posted : 03/10/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$38.29	\$5.25	\$1.15	\$0.38	\$0.00	\$8.42	\$0.35	\$0.00	\$0.00	\$53.84	\$72.98
Substation Technician	\$38.29	\$5.25	\$1.15	\$0.38	\$0.00	\$8.42	\$0.35	\$0.00	\$0.00	\$53.84	\$72.98
Cable Splicer	\$40.06	\$5.25	\$1.20	\$0.40	\$0.00	\$8.81	\$0.35	\$0.00	\$0.00	\$56.07	\$76.10
Operator A	\$34.42	\$5.25	\$1.03	\$0.34	\$0.00	\$7.57	\$0.35	\$0.00	\$0.00	\$48.96	\$66.17
Operator B	\$30.54	\$5.25	\$0.92	\$0.31	\$0.00	\$6.72	\$0.35	\$0.00	\$0.00	\$44.09	\$59.36
Operator C	\$24.73	\$5.25	\$0.74	\$0.25	\$0.00	\$5.44	\$0.35	\$0.00	\$0.00	\$36.76	\$49.13
Groundman 0-12 months Exp	\$19.15	\$5.25	\$0.57	\$0.19	\$0.00	\$4.21	\$0.35	\$0.00	\$0.00	\$29.72	\$39.29
Groundman 0-12 months Exp w/CDL	\$21.06	\$5.25	\$0.63	\$0.21	\$0.00	\$4.63	\$0.35	\$0.00	\$0.00	\$32.13	\$42.66
Groundman 1 yr or more	\$21.06	\$5.25	\$0.63	\$0.21	\$0.00	\$4.63	\$0.35	\$0.00	\$0.00	\$32.13	\$42.66
Groundman 1 yr or more	\$24.89	\$5.25	\$0.75	\$0.25	\$0.00	\$5.48	\$0.35	\$0.00	\$0.00	\$36.97	\$49.42

more w/CDL												
Equipment Mechanic A	\$30.54	\$5.25	\$0.92	\$0.31	\$0.00	\$6.72	\$0.35	\$0.00	\$0.00	\$44.09	\$59.36	
Equipment Mechanic B	\$27.65	\$5.25	\$0.83	\$0.28	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$40.44	\$54.26	
Equipment Mechanic C	\$24.73	\$5.25	\$0.74	\$0.25	\$0.00	\$5.44	\$0.35	\$0.00	\$0.00	\$36.76	\$49.13	
Line Truck w/uuger	\$27.24	\$5.25	\$0.82	\$0.27	\$0.00	\$5.99	\$0.35	\$0.00	\$0.00	\$39.92	\$53.54	
Apprentice	Percent											
1st 1000 hrs	60.00	\$22.97	\$5.25	\$0.69	\$0.23	\$0.00	\$5.05	\$0.35	\$0.00	\$0.00	\$34.54	\$46.03
2nd 1000 hrs	65.00	\$24.89	\$5.25	\$0.75	\$0.25	\$0.00	\$5.48	\$0.35	\$0.00	\$0.00	\$36.97	\$49.41
3rd 1000 hrs	70.00	\$26.80	\$5.25	\$0.80	\$0.27	\$0.00	\$5.90	\$0.35	\$0.00	\$0.00	\$39.37	\$52.77
4th 1000 hrs	75.00	\$28.72	\$5.25	\$0.86	\$0.29	\$0.00	\$6.32	\$0.35	\$0.00	\$0.00	\$41.79	\$56.15
5th 1000 hrs	80.00	\$30.63	\$5.25	\$0.92	\$0.31	\$0.00	\$6.74	\$0.35	\$0.00	\$0.00	\$44.20	\$59.52
6th 1000 hrs	85.00	\$32.55	\$5.25	\$0.98	\$0.33	\$0.00	\$7.16	\$0.35	\$0.00	\$0.00	\$46.62	\$62.89
7th 1000 hrs	90.00	\$34.46	\$5.25	\$1.03	\$0.34	\$0.00	\$7.58	\$0.35	\$0.00	\$0.00	\$49.01	\$66.24

Special Calculation Note : Other is Health Retirement Account

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater then 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note : 0.30 is for Health Retirement Account.

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Review Submitted
Not For Bid

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C)

***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

Group 3
Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

Group 4
Miner, Welder, Gunite Nozzle Person

A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc.

The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Review Set
Not For Bidding

8th 6 months	95.00	\$33.50	\$7.07	\$13.28	\$0.89	\$0.00	\$2.85	\$0.55	\$0.00	\$0.00	\$58.14	\$74.89

Special Calculation Note : Other is Supplemental Health and Welfare

Ratio :
5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
ADAMS, ATHENS, BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GREENE, GUERNSEY, HAMILTON, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MEIGS, MIAMI, MONTGOMERY, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PREBLE, ROSS, SCIOTO, VINTON, WARREN

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 683 Inside

Change # : LCN02-2016fbbLoc683In

Craft : Electrical Effective Date : 06/08/2016 Last Posted : 06/08/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrician	\$31.85	\$8.35	\$5.73	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$49.23	\$65.15
Cable Splicing	\$32.45	\$8.35	\$5.74	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$49.84	\$66.06
Lead Cable Splicing	\$32.85	\$8.35	\$5.76	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$50.26	\$66.68
Over 100 feet	\$47.78	\$8.35	\$6.20	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$65.63	\$89.52
Level 1 CW 0 to 2000 hours	\$10.34	\$5.21	\$0.31	\$0.63	\$0.00	\$0.31	\$0.00	\$0.00	\$0.00	\$16.80	\$21.97
Level 2 CW 2001 to 4000 hours	\$10.34	\$5.21	\$0.31	\$0.63	\$0.00	\$0.31	\$0.00	\$0.00	\$0.00	\$16.80	\$21.97
Level 3 CW 4001 to 6000 hours	\$11.81	\$5.21	\$0.35	\$0.63	\$0.00	\$0.35	\$0.00	\$0.00	\$0.00	\$18.35	\$24.26
Level 4 CW 6001 to 8000 hours	\$13.29	\$5.21	\$0.40	\$0.63	\$0.00	\$0.40	\$0.00	\$0.00	\$0.00	\$19.93	\$26.57

Review Set For Pricing

Level 1 CE 8001 to 10000 hours	\$14.77		\$5.21	\$0.44	\$0.63	\$0.00	\$0.44	\$0.00	\$0.00	\$0.00	\$21.49	\$28.88
Level 2 CE 10,001 to 12,000 hours	\$16.24		\$5.21	\$0.49	\$0.63	\$0.00	\$0.49	\$0.00	\$0.00	\$0.00	\$23.06	\$31.18
Level 3 CE 12,001 to14,000 hours	\$20.67		\$5.21	\$0.62	\$0.63	\$0.00	\$0.62	\$0.00	\$0.00	\$0.00	\$27.75	\$38.09
Apprentice		Percent										
0-1000 hrs 1st Period	40.00	\$12.74	\$8.35	\$2.29	\$0.80	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$25.18	\$31.55
1001-2000 hrs 2nd Period	40.00	\$12.74	\$8.35	\$2.29	\$0.80	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$25.18	\$31.55
2001-3500 hrs 3rd Period	50.00	\$15.93	\$8.35	\$2.87	\$0.80	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$29.19	\$37.16
3501-5000 hrs 4th Period	55.00	\$17.52	\$8.35	\$3.15	\$0.80	\$0.00	\$1.38	\$0.00	\$0.00	\$0.00	\$31.20	\$39.96
5001-6500 hrs 5th Period	65.00	\$20.70	\$8.35	\$3.72	\$0.80	\$0.00	\$1.63	\$0.00	\$0.00	\$0.00	\$35.20	\$45.55
6501-8000 hrs 6th Period	80.00	\$25.48	\$8.35	\$4.58	\$0.80	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$41.21	\$53.95

Special Calculation Note : Construction Wireman and Construction Electricians may work on residential projects without working under the supervision of a Journeyman Wireman. On ALL other job sites, Construction Wireman and Construction Electricians CAN only be employed after an APPRENTICE IS EMPLOYED on the job site.

Ratio :
 1 to 3 Journeyman to 2 Apprentices
 4 to 6 Journeyman to 4 Apprentices

Jurisdiction (* denotes special jurisdictional note) :
 CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN,
 MADISON, PICKAWAY*, UNION

Ratio
Construction Wireman and Construction Electrician
1 Journeyman to 2 Apprentices to 2 CW/CE
With a MAXIMUM of 6 CW/CE an on any jobsite

Special Jurisdictional Note : In Pickaway County the following townships:
Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

Details :

Review Set
Not For Bidding

8th 6 months	95.02	\$27.27	\$6.45	\$7.18	\$0.36	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$42.76	\$56.40

Special Calculation Note : Other is UBC National Fund

Ratio :

- 1 Journeymen to 1 Apprentice
- 2 Journeymen to 1 Apprentice thereafter.

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MORGAN, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO, UNION, VINTON, WASHINGTON

Special Jurisdictional Note : **Highway Construction, Airport Construction, Heavy Construction but not limited to: (Tunnels, subways, drainage projects, flood control, reservoirs). Railroad Construction, Sewer Waterworks & Utility Construction but not limited to: (storm sewers, waterlines, gaslines). Industrial & Building site, Power Plant, Amusement Park, Athletic stadium site, Sewer and Water Plants. When the contractor furnishes the necessary underwater gear for the diver, the diver shall be paid one and one half (1 & 1/2) times the journeyman rate for the time spent in the water.

Details :

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 50 Zone 1

Change # : LCN02-2016fbLoc50

Craft : Asbestos Worker Effective Date : 10/12/2016 Last Posted : 10/12/2016

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Asbestos Insulation Mechanic	\$30.23		\$6.16	\$6.16	\$0.35	\$0.00	\$2.00	\$0.15	\$0.00	\$0.00	\$45.05	\$60.16
Firestop Technician	\$30.23		\$6.16	\$6.16	\$0.35	\$0.00	\$2.00	\$0.15	\$0.00	\$0.00	\$45.05	\$60.16
Apprentice	Percent											
1st year	50.00	\$15.12	\$6.16	\$0.00	\$0.35	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$21.77	\$29.33
2nd year	60.00	\$18.14	\$6.16	\$0.80	\$0.35	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$25.60	\$34.67
3rd year	70.00	\$21.16	\$6.16	\$1.55	\$0.35	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$29.37	\$39.95
4th year	80.00	\$24.18	\$6.16	\$1.55	\$0.35	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$32.39	\$44.49

Special Calculation Note : Other is Industry Fund & Labor/Management Fund

Ratio :
4 Journeymen to 1 Apprentice Company Wide

Jurisdiction (* denotes special jurisdictional note) :
ATHENS, CRAWFORD, DELAWARE, FAIRFIELD, FAYETTE,

except no apprentice may work on the jobsite without a Mechanic

FRANKLIN, GUERNSEY, HARDIN, HOCKING, KNOX, LICKING,
MADISON, MARION, MORGAN, MORROW, MUSKINGUM, NOBLE,
PERRY, PICKAWAY, ROSS, UNION, VINTON

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 683 Inside Lt Commercial South West

Change # : LCN02-2016fbLoc683In

Craft : Electrical Effective Date : 06/08/2016 Last Posted : 06/08/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrician	\$31.85	\$8.35	\$5.73	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$49.23	\$65.15
Cable Splicing	\$32.45	\$8.35	\$5.74	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$49.84	\$66.06
Lead Cable Splicing	\$32.85	\$8.35	\$5.76	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$50.26	\$66.68
Over 100 feet	\$47.78	\$8.35	\$6.20	\$0.80	\$0.00	\$2.50	\$0.00	\$0.00	\$0.00	\$65.63	\$89.52
CE-3 12,001- 14,000 Hrs	\$20.67	\$5.21	\$0.62	\$0.63	\$0.00	\$0.62	\$0.00	\$0.00	\$0.00	\$27.75	\$38.09
CE-2 10,001- 12,000 Hrs	\$16.24	\$5.21	\$0.49	\$0.63	\$0.00	\$0.49	\$0.00	\$0.00	\$0.00	\$23.06	\$31.18
CE-1 8,001- 10,000 Hrs	\$14.77	\$5.21	\$0.44	\$0.63	\$0.00	\$0.44	\$0.00	\$0.00	\$0.00	\$21.49	\$28.88
CW-4 6,001- 8,000 Hrs	\$13.29	\$5.21	\$0.40	\$0.63	\$0.00	\$0.40	\$0.00	\$0.00	\$0.00	\$19.93	\$26.57
CW-3 4,001- 6,000 Hrs	\$11.81	\$5.21	\$0.35	\$0.63	\$0.00	\$0.35	\$0.00	\$0.00	\$0.00	\$18.35	\$24.26

CW-2 2,001- 4,000 Hrs	\$10.34		\$5.21	\$0.31	\$0.63	\$0.00	\$0.31	\$0.00	\$0.00	\$0.00	\$16.80	\$21.97
CW-1 0- 2,000 Hrs	\$10.34		\$5.21	\$0.31	\$0.63	\$0.00	\$0.31	\$0.00	\$0.00	\$0.00	\$16.80	\$21.97
Apprentice	Percent											
0-1000 hrs 1st Period	40.00	\$12.74	\$8.35	\$2.29	\$0.80	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$25.18	\$31.55
1001-2000 hrs 2nd Period	40.00	\$12.74	\$8.35	\$2.29	\$0.80	\$0.00	\$1.00	\$0.00	\$0.00	\$0.00	\$25.18	\$31.55
2001-3500 hrs 3rd Period	50.00	\$15.93	\$8.35	\$2.87	\$0.80	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$29.19	\$37.16
3501-5000 hrs 4th Period	55.00	\$17.52	\$8.35	\$3.15	\$0.80	\$0.00	\$1.38	\$0.00	\$0.00	\$0.00	\$31.20	\$39.96
5001-6500 hrs 5th Period	65.00	\$20.70	\$8.35	\$3.72	\$0.80	\$0.00	\$1.63	\$0.00	\$0.00	\$0.00	\$35.20	\$45.55
6501-8000 hrs 6th Period	80.00	\$25.48	\$8.35	\$4.58	\$0.80	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$41.21	\$53.95

Special Calculation Note :

Ratio :
 2 Apprentices for every 3 Journeyman Wireman
 or fraction thereof;
 1 to 3 Journeyman to 2 Apprentices
 4 to 6 Journeyman to 4 Apprentices

Jurisdiction (* denotes special jurisdictional note) :
 CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN,
 MADISON, PICKAWAY*, UNION

Construction Electrician and Construction Wireman Ratio
 There shall be a minimum ratio of one inside Journeyman to every (4)
 employees of different classification per jobsite. An inside Journeyman
 Wireman is required on the project as the fifth (5th) worker or when
 apprentices are used.

Special Jurisdictional Note : In Pickaway County the following townships:
Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

The scope of work for the light commercial agreement shall apply to the following facilities not to exceed 200,000 square feet; office buildings, shopping centers, auto sales agencies and garages, churches, funeral homes, nursing homes, hotels, retail and wholesale facilities, small stand-alone manufacturing facilities when free standing and not part of a larger facility (not to exceed 50,000 square feet), solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures, warehouses, gas stations, food service centers, restaurants, entertainment facilities, hospitals, clinics, motels, residential buildings.

Details :

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN03-2016fbLoc669

Craft : Sprinkler Fitter Effective Date : 08/17/2016 Last Posted : 09/08/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Sprinkler Fitter	\$35.08	\$8.77	\$6.05	\$0.45	\$0.00	\$4.72	\$0.00	\$0.00	\$0.00	\$55.07	\$72.61
Indentured prior to April 2010											
45%	\$15.79	\$7.45	\$0.00	\$0.45	\$0.00	\$0.69	\$0.00	\$0.00	\$0.00	\$24.38	\$32.28
50%	\$17.54	\$7.45	\$0.00	\$0.45	\$0.00	\$0.74	\$0.00	\$0.00	\$0.00	\$26.18	\$34.95
55%	\$19.29	\$8.77	\$6.05	\$0.45	\$0.00	\$0.53	\$0.00	\$0.00	\$0.00	\$35.09	\$44.74
60%	\$21.05	\$8.77	\$6.05	\$0.45	\$0.00	\$0.58	\$0.00	\$0.00	\$0.00	\$36.90	\$47.42
65%	\$22.80	\$8.77	\$6.05	\$0.45	\$0.00	\$1.13	\$0.00	\$0.00	\$0.00	\$39.20	\$50.60
70%	\$24.56	\$8.77	\$6.05	\$0.45	\$0.00	\$1.18	\$0.00	\$0.00	\$0.00	\$41.01	\$53.29
75%	\$26.31	\$8.77	\$6.05	\$0.45	\$0.00	\$1.23	\$0.00	\$0.00	\$0.00	\$42.81	\$55.96
80%	\$28.06	\$8.77	\$6.05	\$0.45	\$0.00	\$1.28	\$0.00	\$0.00	\$0.00	\$44.61	\$58.64
85%	\$29.82	\$8.77	\$6.05	\$0.45	\$0.00	\$1.32	\$0.00	\$0.00	\$0.00	\$46.41	\$61.32
90%	\$31.57	\$8.77	\$6.05	\$0.45	\$0.00	\$1.37	\$0.00	\$0.00	\$0.00	\$48.21	\$64.00
Apprentice Indentured on or after April 2010	Percent										

CILASS 1	45.00	\$15.79	\$7.45	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.69	\$31.58
CLASS 2	50.00	\$17.54	\$7.45	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.44	\$34.21
CLASS 3	55.00	\$19.29	\$8.77	\$6.05	\$0.45	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$34.81	\$44.46
CLASS 4	60.00	\$21.05	\$8.77	\$6.05	\$0.45	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$36.57	\$47.09
CLASS 5	65.00	\$22.80	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$38.57	\$49.97
CLASS 6	70.00	\$24.56	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.33	\$52.60
CLASS 7	75.00	\$26.31	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$42.08	\$55.24
CLASS 8	80.00	\$28.06	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$43.83	\$57.87
CLASS 9	85.00	\$29.82	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$45.59	\$60.50
CLASS 10	90.00	\$31.57	\$8.77	\$6.05	\$0.45	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$47.34	\$63.13

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

Sprinkler Fitter work shall consist of the installation, dismantling, maintenance, repairs, adjustments, and corrections of all fire protection and fire control systems including the unloading, handling by hand, power equipment and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems used in connection with sprinkler and alarm systems. Also all tanks and pumps connected thereto, also included shall be CO-2 and Cardox Systems, Dry Chemical Systems, Foam Systems and all other fire protection systems.

Review Set
Not For Bidding

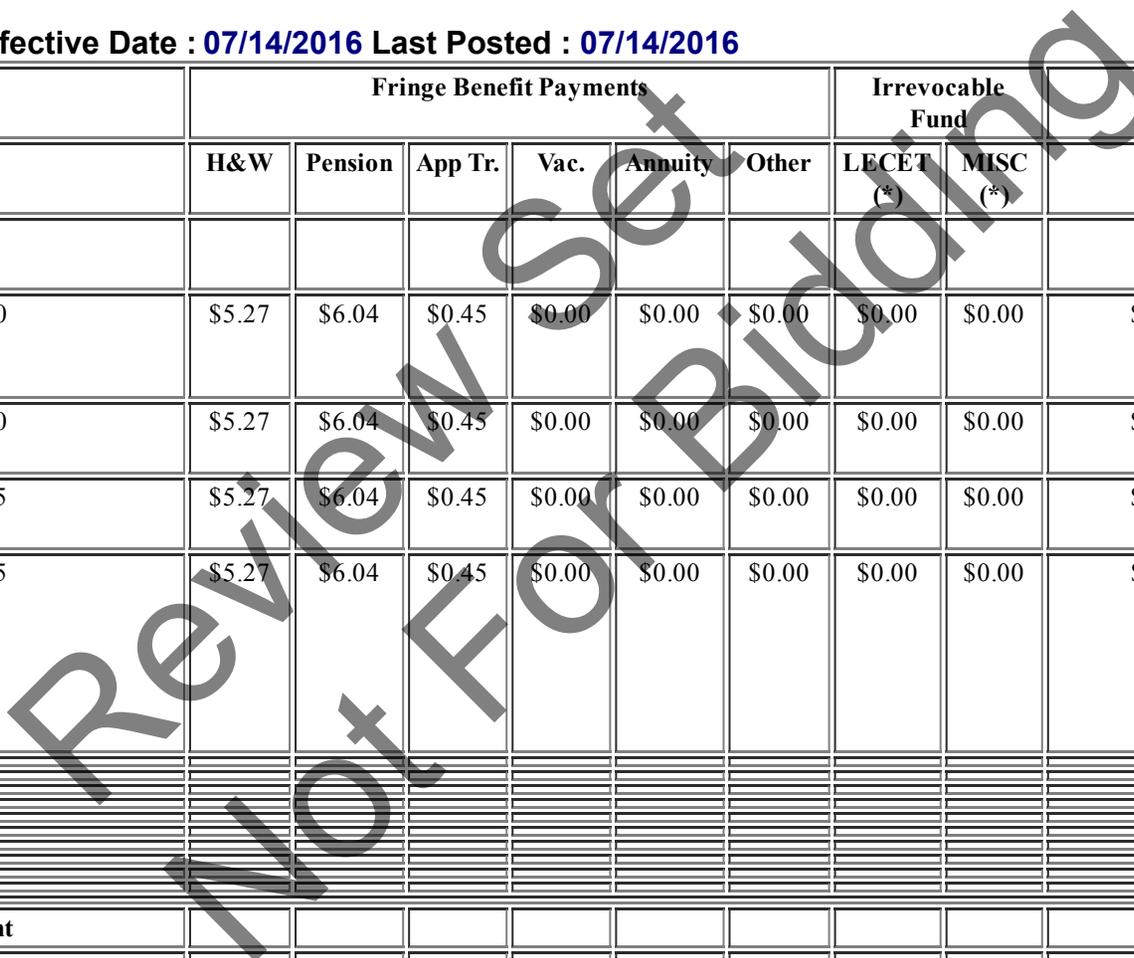
Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 1275

Change # : LCN04-2016fbLoc1275

Craft : Drywall Finisher Effective Date : 07/14/2016 Last Posted : 07/14/2016

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Drywall Finisher	\$25.10		\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.86	\$49.41
Painter Taper	\$25.10		\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.86	\$49.41
Drywall Sanders	\$24.45		\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.21	\$48.43
Drywall, Use of Mechanical or Pneumatic Tools	\$25.35		\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.11	\$49.79
Apprentice	Percent											
1st 0-1500 hrs	60.00	\$15.06	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.85	\$28.38
2nd 1501-3000 hrs	70.00	\$17.57	\$5.27	\$0.07	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.36	\$32.15



Special Calculation Note : Other is Sick and Personal Time**Ratio :****Jurisdiction (* denotes special jurisdictional note) :**

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :**Details :**

Top Helper: Shall perform the responsibilities of a Helper and be responsible for the setup, break down, safety and quality of the company's product.

Helper : Shall be responsible for performing tasks in refinishing, compliance with safety procedures, setting up and breaking down job sites, scaffolding and swing stages and preparing surfaces for refinishing including but not limited to, masking and stripping and cleaning, oxidizing, polishing and scratch removal on various surfaces

Class A Workers: Less than 1 Year of Service.

Class B Workers: More than 1 and less than 8 Years of Service.

Class C Workers: More than 8 Years of Service.

Metal Polisher Scope of Work: Polishing, buffing, stripping, coloring, lacquering, spraying, cleaning and maintenance of ornamental and architectural metals, iron, bronze, nickel, aluminum and stainless steel and in mental specialty work, various stone finishes, stone specialty work and any other work pertaining to the finishing of metal, stones, woods, and any window washing/cleaning done in conjunction with this work, using chemicals, solvents, coatings and hand applied lacquer thinner, removing scratches from mirror finished metals, burnishing of bronze, statuary finishes on exterior and interior surfaces and the use of all tools required to perform such work, including but not limited to polishes, spray equipment and scaffolding.

Swing State Rate: All work on scaffold 4 sections or higher, including any boom lifts and swing stage scaffolds including the rigging and derigging of

hanging/suspended swing stage systems and rappelling/bolson chair work, ADD \$1.50 per hour.

Review Set
Not For Bidding

6th 6 months													
7th 6 months	90.00	\$23.46	\$6.45	\$6.46	\$0.36	\$0.00	\$1.04	\$0.10	\$0.00	\$0.00	\$37.87	\$49.60	
8th 6 months	90.00	\$23.46	\$6.45	\$6.46	\$0.36	\$0.00	\$1.04	\$0.10	\$0.00	\$0.00	\$37.87	\$49.60	

Special Calculation Note : Other is UBC National Fund.

Ratio :

1 Journeyman to 1 Apprentice
 Thereafter
 2 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

DELAWARE, FAIRFIELD, FRANKLIN, GUERNSEY, LICKING,
 MADISON, MARION, MUSKINGUM, MORGAN, NOBLE, PERRY,
 PICKAWAY, UNION

The first carpenter on the job shall be a journeyman. The second carpenter employed may be an apprentice carpenter. After one (1) journeyman and one (1) apprentice are employed, each employer shall employ a ratio of one (1) apprentice, when available, to two (2) journeyman.

Special Jurisdictional Note :

Details :

Review Set
Not For Bidding

13-18 months	90.00	\$22.75	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.76	\$41.14
19-24 months	95.00	\$24.02	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.03	\$43.03
25-30 months	100.00	\$25.28	\$6.81	\$0.00	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.29	\$44.93

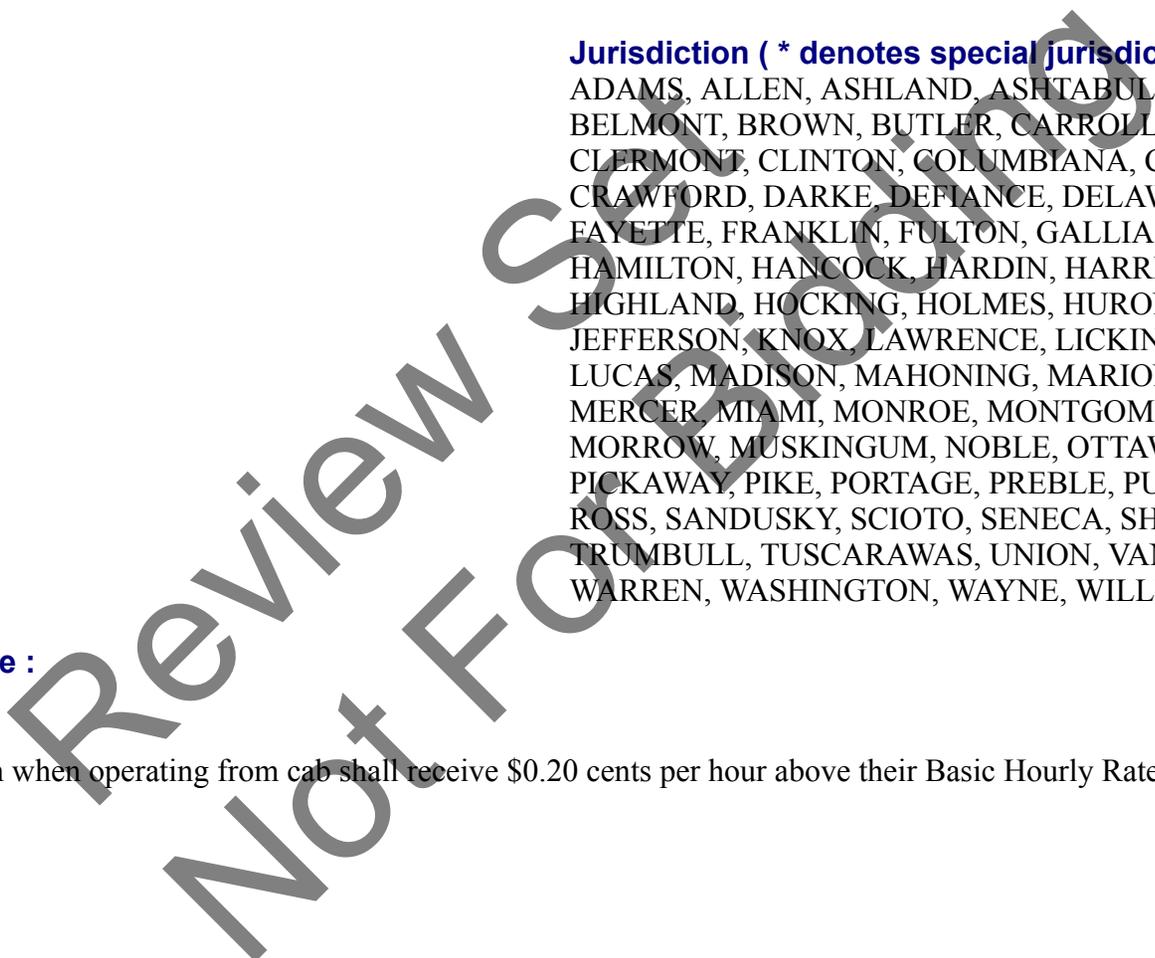
Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :
3 Journeymen to 1 Apprentice
per company/project

Jurisdiction (* denotes special jurisdictional note) :
ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :
** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.



Special Calculation Note : Other is for Holiday Pay**Ratio :**

1 Journeyman to 1 Apprentice**
1 Journeyman to 1 Helper
1 Journeyman to 1 Assistant Mechanic

Jurisdiction (* denotes special jurisdictional note) :

ATHENS, CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD,
FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HOCKING,
JACKSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON,
MARION, MEIGS, MORGAN, MORROW, MUSKINGUM, NOBLE,
PERRY, PICKAWAY, PIKE, ROSS, UNION, VINTON

Special Jurisdictional Note :**Details :**

**Art. 10 Par. 2 Apprentice Work Qualifications:

Par 2- The total number of Helpers and Apprentices employed shall not exceed the number of Mechanics on any one job, except on jobs where two teams or more are working, one extra Helper or Apprentice may be employed for the first two teams and an extra Helper or Apprentice for each additional three teams.

Further, the Company may use as many Helpers and Apprentices as best suits his convenience under the direction of a Mechanic in wrecking old plants and in handling and hoisting material, and on foundation work. When removing old and installing new cable on existing elevator installations, the Company may use two Helpers or Apprentices to one Mechanic.

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside (Central OH Chapter)

Change # : LCR01-2015fbLoc71CentralOhio

Craft : Lineman Effective Date : 12/28/2015 Last Posted : 03/11/2015

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$35.82	\$5.25	\$1.07	\$0.36	\$0.00	\$6.45	\$0.06	\$0.00	\$0.00	\$49.01	\$66.92
Traffic Signal & Lighting Journeyman	\$34.48	\$5.25	\$1.03	\$0.34	\$0.00	\$6.21	\$0.06	\$0.00	\$0.00	\$47.37	\$64.61
Equipment Operator	\$32.24	\$5.25	\$0.97	\$0.32	\$0.00	\$5.80	\$0.06	\$0.00	\$0.00	\$44.64	\$60.76
Groundman 0-12 months	\$19.70	\$5.25	\$0.59	\$0.20	\$0.00	\$3.55	\$0.06	\$0.00	\$0.00	\$29.35	\$39.20
Groundman 1 year plus	\$23.28	\$5.25	\$0.70	\$0.23	\$0.00	\$4.19	\$0.06	\$0.00	\$0.00	\$33.71	\$45.35
Traffic Signal Apprentices											
1st 1,000 hours	\$20.69	\$5.25	\$0.62	\$0.21	\$0.00	\$3.72	\$0.06	\$0.00	\$0.00	\$30.55	\$40.90
2nd 1,000 hours	\$22.41	\$5.25	\$0.67	\$0.22	\$0.00	\$4.03	\$0.06	\$0.00	\$0.00	\$32.64	\$43.85
3rd 1,000 hours	\$24.14	\$5.25	\$0.72	\$0.24	\$0.00	\$4.35	\$0.06	\$0.00	\$0.00	\$34.76	\$46.83

4th 1,000 hours	\$25.86	\$5.25	\$0.78	\$0.26	\$0.00	\$4.65	\$0.06	\$0.00	\$0.00	\$36.86	\$49.79	
5th 1,000 hours	\$27.58	\$5.25	\$0.83	\$0.28	\$0.00	\$4.96	\$0.06	\$0.00	\$0.00	\$38.96	\$52.75	
6th 1,000 hours	\$31.03	\$5.25	\$0.93	\$0.31	\$0.00	\$5.59	\$0.06	\$0.00	\$0.00	\$43.17	\$58.69	
Apprentice Lineman	Percent											
1st 1,000 Hours	60.00	\$21.49	\$5.25	\$0.64	\$0.21	\$0.00	\$3.87	\$0.06	\$0.00	\$0.00	\$31.52	\$42.27
2nd 1,000 Hours	65.00	\$23.28	\$5.25	\$0.70	\$0.23	\$0.00	\$4.19	\$0.06	\$0.00	\$0.00	\$33.71	\$45.35
3rd 1,000 Hours	70.00	\$25.07	\$5.25	\$0.75	\$0.25	\$0.00	\$4.51	\$0.06	\$0.00	\$0.00	\$35.89	\$48.43
4th 1,000 Hours	75.00	\$26.87	\$5.25	\$0.81	\$0.27	\$0.00	\$4.84	\$0.06	\$0.00	\$0.00	\$38.10	\$51.53
5th 1,000 Hours	80.00	\$28.66	\$5.25	\$0.86	\$0.29	\$0.00	\$5.16	\$0.06	\$0.00	\$0.00	\$40.28	\$54.60
6th 1,000 Hours	85.00	\$30.45	\$5.25	\$0.91	\$0.30	\$0.00	\$5.48	\$0.06	\$0.00	\$0.00	\$42.45	\$57.67
7th 1,000 Hours	90.00	\$32.24	\$5.25	\$0.97	\$0.32	\$0.00	\$5.80	\$0.06	\$0.00	\$0.00	\$44.64	\$60.76

Special Calculation Note : Other is National Electrical Benefit Fund (NEBF) and Safety & Education Fund.

Ratio :
1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
ADAMS, ASHLAND, ATHENS, COSHOCTON, CRAWFORD, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HIGHLAND, HOCKING, JACKSON, KNOX, LAWRENCE, LICKING, MADISON, MARION, MEIGS, MONROE, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, RICHLAND, ROSS, SCIOTO, TUSCARAWAS, UNION, VINTON, WASHINGTON

Special Jurisdictional Note :

Details :
A groundman when directed shall assist a Journeyman Lineman, Traffic Signal and Lighting Journeyman or Equipment Operator in the performance

of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an Apprentice.

No more than three (3) Groundmen shall work alone. Jobs with more than three Groundmen shall be supervised by a Groundcrew Foreman, Journeyman Lineman, Journeyman Traffic Signal Technician or an Equipment Operator.

Scope of Work: installation and maintenance of highway and street lighting, highway and street sign lighting, electronic message boards and traffic control systems, camera systems, traffic signal work, substation and line construction including overhead and underground projects for private and industrial work as in accordance with the IBEW Constitution. This Agreement includes the operation of all tools and equipment necessary for the installation of the above projects.

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 24 Columbus

Change # : LCR01-2016fbLoc24Col

Craft : Sheet Metal Worker Effective Date : 06/01/2016 Last Posted : 05/25/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Sheet Metal Worker	\$28.00	\$8.66	\$11.20	\$1.01	\$0.00	\$3.27	\$0.00	\$0.00	\$0.00	\$52.14	\$66.14
APPRENTICE entered program AFTER June 1, 2009											
1st year 50%	\$14.00	\$7.17	\$1.69	\$0.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.66	\$30.66
2nd year 60%	\$16.80	\$8.10	\$1.91	\$0.80	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.81	\$41.21
3rd year 70%	\$19.60	\$8.28	\$1.84	\$1.01	\$0.00	\$2.29	\$0.00	\$0.00	\$0.00	\$39.02	\$48.82
4th year 80%	\$22.40	\$8.40	\$1.96	\$1.01	\$0.00	\$2.62	\$0.00	\$0.00	\$0.00	\$43.39	\$54.59
Percent											
Apprentice entered program AFTER June 1, 2006 and BEFORE June 1, 2009											

2nd Year	60.00	\$16.80	\$7.46	\$5.79	\$0.85	\$0.00	\$1.41	\$0.00	\$0.00	\$0.00	\$32.31	\$40.71
3rd Year	70.00	\$19.60	\$7.58	\$6.76	\$1.06	\$0.00	\$1.65	\$0.00	\$0.00	\$0.00	\$36.65	\$46.45
4th Year	80.00	\$22.40	\$7.74	\$9.13	\$1.06	\$0.00	\$1.88	\$0.00	\$0.00	\$0.00	\$42.21	\$53.41

Special Calculation Note : No special calculations for this skilled craft wage rate required at this time.

Ratio :

- 1 Journeyman to 1 Apprentice
- 2-8 Journeymen to 2 Apprentices
- 9-11 Journeymen to 3 Apprentices
- 12-14 Journeymen to 4 Apprentices
- 15-17 Journeymen to 5 Apprentices
- 18-20 Journeymen to 6 Apprentices
- 21-23 Journeyman to 7 Apprentices
- 24-26 Journeyman to 8 Apprentices
- 27-29 Journeymen to 9 Apprentices
- 30-32 Journeymen to 10 Apprentices
- 33-35 Journeymen to 11 Apprentices
- 36-38 Journeymen to 12 Apprentices
- 39-41 Journeymen to 13 Apprentices
- 42-44 Journeymen to 14 Apprentices
- 45-47 Journeymen to 15 Apprentices
- 48-50 Journeymen to 16 Apprentices
- and so on

Jurisdiction (* denotes special jurisdictional note) :

- ADAMS, ATHENS, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN,
- GALLIA, GUERNSEY, HOCKING, JACKSON, KNOX, LAWRENCE,
- LICKING, MADISON, MARION, MEIGS, MORGAN, MORROW,
- MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, ROSS, SCIOTO,
- UNION, VINTON

Review Set
Not For Bidding

Special Jurisdictional Note :

Details :

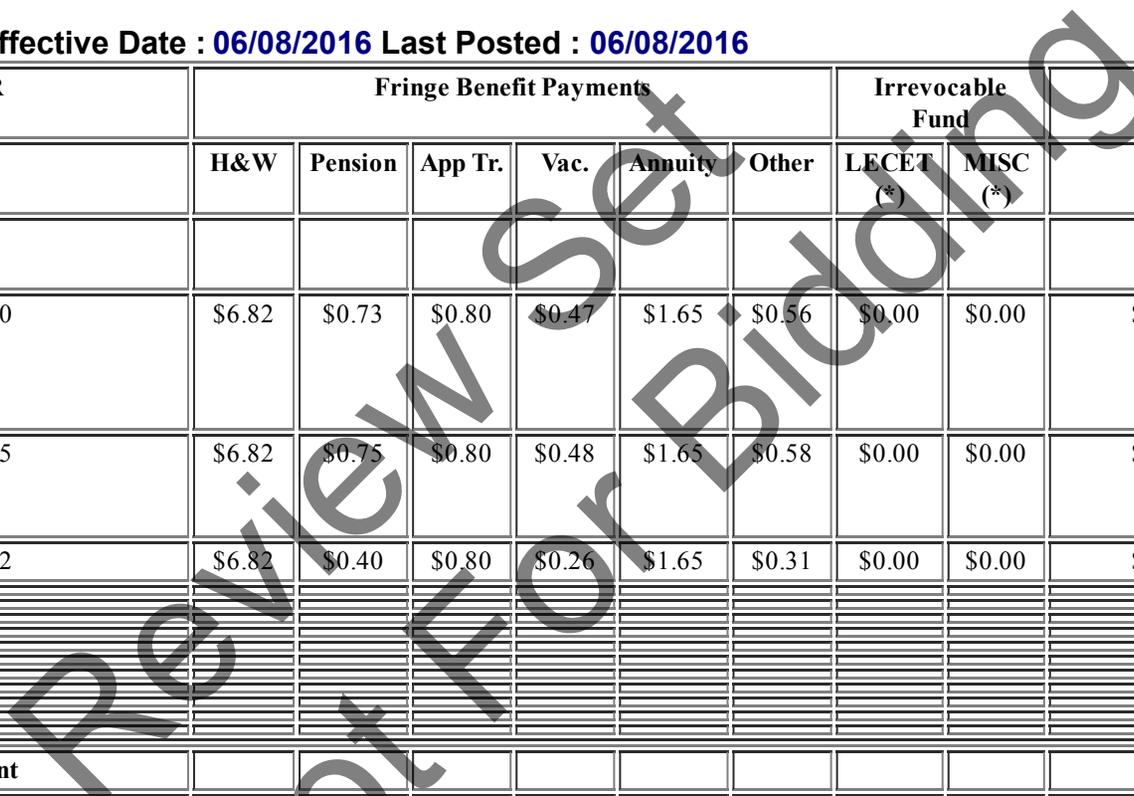
Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 683 Voice Data Video

Change # : LCR01-2016fbLoc683VDV

Craft : Voice Data Video Effective Date : 06/08/2016 Last Posted : 06/08/2016

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrical Installer Technician B	\$24.40		\$6.82	\$0.73	\$0.80	\$0.47	\$1.65	\$0.56	\$0.00	\$0.00	\$35.43	\$47.63
Installer Technician A	\$25.15		\$6.82	\$0.75	\$0.80	\$0.48	\$1.65	\$0.58	\$0.00	\$0.00	\$36.23	\$48.80
Cable Puller	\$13.42		\$6.82	\$0.40	\$0.80	\$0.26	\$1.65	\$0.31	\$0.00	\$0.00	\$23.66	\$30.37
Apprentices	Percent											
1st 750 hours	55.00	\$13.42	\$6.82	\$0.40	\$0.80	\$0.26	\$1.65	\$0.31	\$0.00	\$0.00	\$23.66	\$30.37
2nd 750 hours	60.00	\$14.64	\$6.82	\$0.44	\$0.80	\$0.28	\$1.65	\$0.34	\$0.00	\$0.00	\$24.97	\$32.29
3rd 750 hours	65.00	\$15.86	\$6.82	\$0.48	\$0.80	\$0.31	\$1.65	\$0.36	\$0.00	\$0.00	\$26.28	\$34.21
4th 750 hours	70.00	\$17.08	\$6.82	\$0.51	\$0.80	\$0.33	\$1.65	\$0.39	\$0.00	\$0.00	\$27.58	\$36.12



5th 750 hours	75.00	\$18.30	\$6.82	\$0.55	\$0.80	\$0.35	\$1.65	\$0.42	\$0.00	\$0.00	\$28.89	\$38.04
6th 750 hours	80.00	\$19.52	\$6.82	\$0.59	\$0.80	\$0.38	\$1.65	\$0.45	\$0.00	\$0.00	\$30.21	\$39.97

Special Calculation Note : Other is Holiday Pay. Vacation applies only to employees who work for one employer for a period of one year.

Ratio :
1 Apprentice for every 1 Installer Technician

Jurisdiction (* denotes special jurisdictional note) :
CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY*, UNION

Cable Pullers can only be employed after an apprentice is employed on the job

Special Jurisdictional Note : In Pickaway County the following townships: Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut, Washington.

Details :
An employee who is required to wear an electronic device after hours will receive an additional 1.00 per hour for all hours worked.

HOLIDAYS: Memorial Day, 4th of July, Labor Day, Thanksgiving Day, Christmas Day, New Years Day.

The following work is EXCLUDED from the Teledata Technician work scope:

- Installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.
- Installation of conduit &/or raceways shall be installed by Inside Wireman . On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway, or conduit not greater than 10 foot.
- Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit
- All HVAC control work.

TECHNICIAN (A) is a Technician B who holds a current Technician Certification from BICSI (Building Industry Consulting Service International,

Inc.)

CABLE PULLERS are for the installation of cable from one termination point to another.

Review Set
Not For Bidding

Special Calculation Note : Other is for Holiday Pay**Ratio :**

1 Journeyman to 1 Apprentice**
1 Journeyman to 1 Helper
1 Journeyman to 1 Assistant Mechanic

Jurisdiction (* denotes special jurisdictional note) :

ATHENS, CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD,
FAYETTE, FRANKLIN, GALLIA, GUERNSEY, HOCKING,
JACKSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON,
MARION, MEIGS, MORGAN, MORROW, MUSKINGUM, NOBLE,
PERRY, PICKAWAY, PIKE, ROSS, UNION, VINTON

Special Jurisdictional Note :**Details :**

**Art. 10 Par. 2 Apprentice Work Qualifications:

Par 2- The total number of Helpers and Apprentices employed shall not exceed the number of Mechanics on any one job, except on jobs where two teams or more are working, one extra Helper or Apprentice may be employed for the first two teams and an extra Helper or Apprentice for each additional three teams.

Further, the Company may use as many Helpers and Apprentices as best suits his convenience under the direction of a Mechanic in wrecking old plants and in handling and hoisting material, and on foundation work. When removing old and installing new cable on existing elevator installations, the Company may use two Helpers or Apprentices to one Mechanic.

Review Set
Not For Bidding

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 1275

Change # : LCR03-2016fbLoc1275

Craft : Painter Effective Date : 06/24/2016 Last Posted : 06/24/2016

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Brush Roll	\$24.70	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.46	\$48.81
Paperhanger Wall Washer	\$24.70	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.46	\$48.81
Spray Painter	\$25.20	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.96	\$49.56
Structural Steel Swing Stage	\$25.00	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.76	\$49.26
Sandblast steam Clean Water Blasting (3500 PSI and Over) and Hazardous	\$25.40	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.16	\$49.86
Stacks and towers	\$28.21	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.97	\$54.07
Tanks - All Tanks 50,000 gallon	\$28.21	\$5.27	\$6.04	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.97	\$54.07

ATTACHMENT B: PROJECT PLANS

Review Set
Not For Bidding

Facility ID	Location	Pipe Size(IN)	Length(LF)	Lateral(EA)	Protruding Tap(EA)	Obstruction(EA)
03-0260:03-0259	Oxford St	12	328	11		
03-0259:03-0257	Oxford St	12	402	8		1
03-0023:03-0022	Tucker Creek	12	300	0		
03-0252:03-0242	Evening St	10	503	8		
05-0050:05-0045	Oxford St	8	428	4		
05-0045:05-0043	South St. W.	8	200	2		
05-0051:05-0050	Oxford St	8	281	3		
05-0043:05-0042	South St. W.	8	374	7		
05-0049:05-0046	South St. W.	8	231	6		
05-0069:05-0061	New England Ave. W.	8	520	11		
05-0053:05-0052	Short St.	8	305	4		1
05-0099:05-0098	Farrington Dr.	8	244	5		
03-0244:03-0243	Oxford St	8	385	7		
03-0309:03-0308	Clearview Ave. E.	8	373	12		
05-0090:05-0089	Seabury Dr	8	236	5		



**2016 CENTRAL DISTRICT
SANITARY SEWER LINING**

Sanitary MH

- ▲ Cleanout
- Manhole

Sanitary Mains to be Lined

Main Location

- Right of way
- - - Easement
- - - Record not found