

BOOK NO. _____

CONTRACT NO. _____

CITY OF CUYAHOGA FALLS
2310 SECOND STREET
CUYAHOGA FALLS, OH 44221
Phone (330) 971-8000
Fax (330) 971-8168



TO BE COMPLETED BY THE CITY OF CUYAHOGA FALLS

DATE OF BIDDING _____, 2020 CONTRACT PRICE \$ _____

DATE AWARDED BOARD OF CONTROL _____, 2020 DATE EXECUTED _____, 2020

DEPARTMENT: ENGINEERING

ORDINANCE To Award

**WEST BATH ROAD
DRAINAGE IMPROVEMENTS**

THE FOLLOWING INFORMATION MUST BE COMPLETED FOR BID CONSIDERATION

COMPANY NAME _____

CONTACT PERSON _____ PHONE NO. (____) _____ FAX: _____

Email Address: _____ Alternate Phone No. _____

ADDRESS _____
STREET CITY STATE ZIP

Attach Bid Bond Here

WEST BATH ROAD DRAINAGE IMPROVEMENTS

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* *These pages to be completely filled in, signed, notarized where required, and returned in the Proposal Book in its entirety at time of bid opening.*

τ *These pages to be inserted **after** bid awarded.*

INFORMATION AND INSTRUCTIONS

Section 1

LEGAL NOTICE

Sealed proposals will be received in the office of the Director of Public Service, Municipal Building, Cuyahoga Falls, Ohio, until 12:00 noon, **TUESDAY, SEPTEMBER 1, 2020**, with bids being opened in Conference Room "A", Second Floor, Municipal Building, 2310 Second Street, Cuyahoga Falls, Ohio, **for drainage improvements on West Bath Road near Yellow Creek Road** in the City of Cuyahoga Falls.

Plans and proposals may be obtained by contacting the Cuyahoga Falls Engineering Department at [330-971-8180](tel:330-971-8180) or engineering@cityofcf.com.

The pre-bid meeting will be a conference call on Monday, August 24, 2020 at 2:00 p.m. If you wish to participate in this meeting, call: 605-313-4802, access code 702729#.

Bidders must use the printed forms provided therefore, as none other will be accepted. Each proposal must contain the full name of the party or parties making the same, and all parties interested therein, and must be accompanied by a bond or certified check in the sum of five percent (5%) of the total amount of the bid, on a solvent bank, as a guarantee that if the bid is accepted, a contract will be entered into. The Director of Public Service reserves the right to reject any or all bids and to waive any informality in any proposal. **Bids will be received only from parties that have obtained a recorded bid set of drawings and specifications as evidenced by returning the provided Acknowledgement of Receipt of Plans.**

The successful bidder must post a Performance, Payment, Maintenance bond in the amount of one hundred percent (100%) of the total amount of the bid.

The City of Cuyahoga Falls shall apply a Local Bid Preference to this invitation as outlined in Section 181.08 of the Codified Ordinances.

"DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN SECTION 153.011 OF THE REVISED CODE APPLY TO THIS PROJECT. COPIES OF SECTION 153.011 OF THE REVISED CODE CAN BE OBTAINED FROM ANY OF THE OFFICES OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES."

We are an Equal Opportunity Employer.

BY ORDER OF THE
DIRECTOR OF PUBLIC SERVICE

ANTHONY L. ZUMBO, P.E., P.S.

FALLS NEWS-PRESS: August 16, 2020
 August 23, 2020

**CITY OF
CUYAHOGA FALLS, OHIO**

**PRE-BID
CONSTRUCTION MEETING**

WEST BATH ROAD DRAINAGE IMPROVEMENTS

A Pre-Bid Meeting will be held to review bid documents and answer questions relative to the proposed project.

This meeting will be held **BY TELEPHONE CONFERENCE CALL on Monday, August 24, 2020, at 2:00 p.m., by calling 605-313-4802, access code 702729#**

Contact person for this project is:

Tony Demasi, P.E., or Mike Durkee
City Engineer's Office
971-8180

TONY DEMASI, P. E.
CITY ENGINEER

INFORMATION AND INSTRUCTIONS TO BIDDERS

1. In accordance with the advertised legal notice, sealed bids will be received by the City of Cuyahoga Falls, Ohio at the office of the Director of Public Service in the Municipal Building for certain material, equipment and/or labor services. The bids will be opened and read aloud at the time and place specified in the legal notice.
2. Bidders are advised to thoroughly examine the contract documents before submitting their bids. There may be changes in the specifications from those heretofore used. It is hereby understood that the bidder has read and fully understands each and every clause embodied therein.
3. All material, equipment and/or labor services proposed shall be in accordance with the attached specifications. Any exceptions are to be specifically noted herein.
4. Each proposal must contain the full name of the party or parties making the same and all persons interested therein.
5. All proposals or bids shall be signed and submitted on the printed blanks provided for that purpose and bound herewith. Except during the filling in of the proposal forms, no pages are to be removed from this binding. The complete set of contract documents must be submitted with the proposals. For clarity, uniformity and ease of tabulating bids all bidders are requested to TYPE their bids on the proposal forms.
6. The price bid for each unit of material equipment and/or service must be stated separately in figures in the proper column.
7. Each bidder shall submit on the proposal form the name of the manufacturer, type and catalog number of the equipment or material he proposed to furnish. He shall also submit all other data, statements and samples called for by the specifications and the data sheet forming a part of the proposal form.
8. Manufacturers or distributors failing to provide MSDS's will be considered as failing to meet contractual requirement. This statement shall appear on purchase orders or offers to bid.
9. Each bid shall be accompanied by a bond executed by the bidder and a surety company, per Ohio Revised Code, which the surety company shall be licensed to do business in the State of Ohio, in an amount not less than five (5) percent of the aggregate amount of the bid or proposal; or the bidder may submit with the bid, in lieu of such bond, a certified check on a solvent bank, payable to the order of the Director of Public Service, City of Cuyahoga Falls, Ohio, in an amount equal to the amount required in such bond. Said bond or certified check is required as a guarantee that should the said bid or proposal be accepted by the Director of Public Service, the bidder will, within ten (10) days from the time he shall have been notified of the acceptance of the same, enter into contract with the City of Cuyahoga Falls for the material, equipment and/or service bid upon.

10. Should any proposal be rejected, such check or bond will be returned to the bidder and should any proposal be accepted, such check or bond will be returned after proper execution of the contract documents. If the bidder, to whom the contract shall have been awarded shall refuse or neglect, within ten (10) days after due notice that the contract has been awarded to him, to execute the same, then the deposits shall be forfeited to the City as liquidate damages for such neglect or refusal.
11. Each proposal shall be accompanied by a non-conclusion affidavit executed on the form provided thereof.
12. When requested by the City of use in evaluation the bids submitted, the bidder must furnish satisfactory evidence of its ability, competency, facility and financial resource to furnish the material, equipment and/or labor services so bid. If the bidder represents a manufacturer, then he must submit similar data relating to the manufacturer.
13. Each bid on equipment, material and/or labor services shall contain a statement of the time, after the award of the contract, required by the bidder to deliver the equipment, material and/or labor services included in the bid.
14. Each bid shall be sealed and addressed to the Director of Public Service, City of Cuyahoga Falls, Ohio, and shall bear on its face, the name of the bidder, a statement that it is a sealed bid to be opened on the day and hour above mentioned, and statement of the item numbers on which the bid is made.
15. All bids shall be filed with the Director of Public Service, in that office in the Municipal Building, in the City of Cuyahoga Falls, Ohio, on or before the day and hour mentioned above and stated in the legal notice of advertisement. No proposal presented after that time will be accepted.
16. Permission will not be given for the modification of any proposal after the same has been filed. No bidder may withdraw his bid, for a period of thirty (30) days after the date of opening of same.
17. If any person contemplating submitting a bid for the proposed material, equipment and/or labor services is in doubt as to the true meaning of any part of the specifications or other proposed contract documents, he may submit to the Director of Public Service, a written request for an interpretation thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation of the proposed documents or changes therein 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 documents. The Director of Public Service will not be responsible for any other explanation or interpretations of the proposed documents.
18. No bid will be accepted from, or contract awarded to, any person, firm or corporation that is in arrears to the City of Cuyahoga Falls, upon any debt or contract, or who has failed to execute, in whole or in part, in a satisfactory manner, any contract with the City; or who if a defaulter as to surety or otherwise upon any obligation to the City of Cuyahoga Falls.

19. Attention of the bidder is called to the statutory requirements of the State of Ohio relative to licensing of corporations organized under the laws of any other state.
20. Instructions must be adhered to; failure to strictly observe them shall constitute a sufficient cause of rejection of a bid.
21. the City shall not be liable for the payment of any material furnished under the contract except upon written order from the Director of Public Service supplementing this agreement, and no shipment of same shall be made under the contract except after receipt of such written order.
22. The Director of Public Service may consider bid specification items as distinct bids for each of the items such as material, equipment and/or labor services. However, all parts of any bid specification item must be bid to qualify that item for consideration.
23. After the public reading, all bids will be tabulated and upon completion of a report by the appropriate purchasing department on the bids received, the Director of Public Service will proceed, without unnecessary delay, to award contracts for the various times to the lowest and best bidders on materials, equipment and/or labor services, conforming to the specifications.
24. The Director of Public Service expressly reserves the right to reject any or all bids and to waive informalities and to judge the character and sufficiencies of equipment, apparatus, materials, and/or labor services bid upon. Bidders who are in sympathy with the purpose outlined above and prepared to act in accordance therewith, are invited to submit bids in accordance with these specifications.
25. A Performance Bond will be required (if indicated by the legal notice) of each successful bidder to assure the faithful completion of the contract that has been awarded.
26. The Performance Bond form and/or the Contract form are not to be executed by the bidder until a contract has been awarded.
27. The City expressly reserves the right to award more than one contract on any particular supply item to more than one bidder, if it is considered to be in the best interest of the City. Multiple contracts will not be considered on items obviously not suitable to such means of contracting.

End of Instructions

INSURANCE REQUIREMENTS - Amended 2/18/82

103.08 INSURANCE:

The Contractor shall not commence work under this contract until he has obtained all the insurance required under this paragraph and such insurance has been approved by the City nor shall the Contractor or any subcontractor to commence work on his subcontract until the insurance required of the subcontractor has been so obtained and approved.

1. COMPENSATION INSURANCE:

The Contractor shall procure, and shall maintain during the life of this contract, Workmen's Compensation Insurance as required by the State of Ohio for all of his employees to be engaged in work at the site of the project under this contract and, in case of any such work sublet, the Contractor shall require the subcontractor similarly to provide Workmen's Compensation Insurance for all of the latter's employees to be engaged in such work unless such employees are covered by the protection afforded by the Contractor's Workmen's Compensation Insurance. If any class of employees engaged in hazardous work on the project under this contract is not protected under the Workmen's Compensation Statute, the Contractor shall provide and shall cause each subcontractor to provide adequate employer's liability insurance for the protection of such of his employees as are not otherwise protected.

2. CONTRACTOR'S COMPREHENSIVE GENERAL LIABILITY INSURANCE AND AUTOMOBILE LIABILITY INSURANCE:

The Contractor shall procure and shall maintain, during the life of this contract, (1) Comprehensive General Liability Insurance including all Premises/Operations; Products/Completed Operations; and Broad Form Property Damage, and (2) Automobile Liability Insurance for all vehicles and equipment in the amount specified in subparagraph 2.

3. SUBCONTRACTOR'S COMPREHENSIVE GENERAL LIABILITY INSURANCE AND AUTOMOBILE LIABILITY INSURANCE:

The Contractor shall either (1) require of his subcontractors to procure and to maintain during the life OF HIS SUBCONTRACT, comprehensive, General Liability Insurance and Automobile Liability Insurance of the type and in the amount specified in Subparagraph 2 and 6 hereof or, (2) insure the activities of his policy, specified in Subparagraph 2 hereof.

4. SCOPE OF INSURANCE AND SPECIAL HAZARDS:

The insurance required under subparagraphs 2 and 3 hereof shall provide adequate protection for the Contractor and his Subcontractors, respectively, against claims which may arise from operations under this contract, whether such operations be by the insured or by anyone directly or indirectly employed by him and, also against any of the special hazards which may be encountered in the performance of this contract as enumerated in the SPECIAL PROVISIONS.

INCOME TAX REQUIREMENTS

Employers doing business within Cuyahoga Falls are required to deduct at the time of payment of salaries, wages, commissions or other compensation the tax of two (2) percent of the gross amount earned in Cuyahoga Falls.

Every employer who is required to deduct the tax at the source is liable directly to the City of Cuyahoga Falls for payment of such tax whether actually collected from their employees or not.

Also, the net profit from income earned within Cuyahoga Falls is subject to the tax. Both withholding and tax on profits are due quarterly.

CONTACT THE INCOME TAX DIVISION FOR THE NECESSARY FORMS AND ANY ADDITIONAL INFORMATION.

City of Cuyahoga Falls
Office of the Mayor

Mayor Don Walters
2310 Second Street
Cuyahoga Falls OH 44221



Phone: 330-971-8200
Fax: 330-971-5696
mayor@cityofcf.com

Dear Employer:

In today's society, we all seem to face the dangers and consequences of alcohol and drug abuse. Studies have found the workplace is not exempt from this scourge that is threatening our nation. It is found that two-thirds of those entering the workplace for the first time have used illegal drugs. Up to twenty-three percent of employees abuse alcohol/drugs on the job. The figures are staggering. Up to 100 billion dollars a year are lost in productivity.

The City of Cuyahoga Falls has passed Ordinance 12-1990, which requires employers who are awarded competitively-bid City contracts to maintain a drug-free workplace.

I have enclosed an outline of the requirements that need to be met. You will also find a sample policy statement, a certification to be completed and returned in your bid packet. It is our hope that through education and awareness, we can be an effective part of the solution.

Please know this office and I are available to assist in any way we can.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Walters", written in a cursive style.

Don Walters
Mayor

Encl.

181.07 EMPLOYERS AWARDED CITY CONTRACTS TO MAINTAIN DRUG FREE WORKPLACE.

1. No contract awarded through the process of competitive bidding, other than contracts pursuant to Ohio R.C. 125.04, shall be awarded to any bidder who does not certify that the following requirements have been met:
 - a. A statement has been published and provided to employees notifying them that the manufacture, use, possession, or distribution of drugs in the work place is prohibited, as well as a specification of the disciplinary action that may be taken against employees who violate that prohibition.
 - b. Any employee convicted of violating a criminal drug statute occurring in the work place is required to notify the employer of said conviction within five days after such conviction.
 - c. Notice has been published specifying the sanctions for or requiring satisfactory participation in a drug abuse assistance or rehabilitation program by an employee convicted of violating a criminal drug statute occurring in the work place.
 - d. A program has been implemented for the distribution of information on drug abuse awareness and the availability of counseling and referral services.
2. The Board of Control may, for good cause shown, grant an extension of time for compliance of the above requirements.
3. The Drug control Coordinator be and hereby is directed to provide information and assistance necessary to facilitate compliance with the provisions of this section.

(Ord. 12-1990. Passed 1-22-90)

SEXUAL HARASSMENT POLICY

Employees of the City of Cuyahoga Falls have a right to work in an environment free of sexual harassment. The City will not tolerate any form of sexual harassment or any offensive conduct that has the effect of severely interfering with an employee's work performance or creating a pervasive intimidating, hostile, offensive work environment. Examples of sexual harassment include, but are not limited to, unwanted sexual advances; implicit or explicit demands for sexual favors in exchange for favorable treatment or continued employment; repeated sexual jokes, flirtations, advances or propositions; verbal abuse of a sexual nature; graphic, verbal commentary about an individual's body, sexual prowess or sexual deficiencies; leering; whistling; touching; pinching; assault; coerced sexual acts; suggestive insulting, obscene comments or gestures; and display in the work place of sexually suggestive objects or pictures.

It is the policy of the City of Cuyahoga Falls that any form of sexual harassment is unacceptable, either within the workplace or at City-sponsored events, whether on or off property owned by the City, and is subject to appropriate disciplinary action.

The City encourages individuals who believe they are being harassed to clearly and promptly notify the offender that his or her behavior is unwelcome. This procedure is not a required first step for reporting sexual harassment. If for any reason an individual does not wish to approach the offender directly or if such discussion does not successfully end the harassment, then the individual should notify their supervisor.

Additionally, any employee who observes harassment of any type is to report it to his or her supervisor.

All employees are expected to cooperate with an investigation of any type of harassment. Failure to do so may lead to discipline. False information provided in the course of any investigation may also lead to discipline.

The City will not retaliate against an individual who makes a report of sexual harassment, nor permit any employee to do so. Retaliation is a very serious violation of this policy and should be reported immediately. Any individual found to have retaliated against an individual for reporting sexual harassment, or against anyone participating in the investigation of a complaint, will be subject to appropriate disciplinary action.

FIREARMS POLICY

As a result of the General Assembly passing Am. Sub. House Bill 12 regarding “concealed carry” of firearms, the City of Cuyahoga Falls, Ohio, has adopted a policy. Each Bidder must review the policy and file the certification that is included in this bid packet. The policy can be accessed at the City’s website, www.cityofcf.com, or a copy can be obtained from the office of the Director of Public Service located on the 2nd floor of City Hall, 2310 Second Street, Cuyahoga Falls, Ohio. Upon request, the policy can be faxed or mailed.

A. PURPOSE

The purpose of this policy is to ensure a safe work environment, free of intimidation and threat of physical harm. This policy prohibits all employees, except law enforcement officers and security personnel, from carrying deadly weapons, including firearms, while acting in the course and scope of City employment.

No person shall knowingly possess, have under the person's control, convey or attempt to convey a deadly weapon onto City property except for those persons and circumstances specified in Section C., 2., below. This policy applies to employees, visitors, independent contractors, vendors and any other person on City property, including individuals with valid permits to carry deadly weapons and/or firearms.

B. DEFINITIONS

A "deadly weapon" is defined as any instrument, device or thing capable of inflicting death, and designed or specially adapted for use as a weapon. Examples of prohibited deadly weapons include, but are not limited to:

"Firearm" means any firearm capable of expelling or propelling one or more projectiles by the action of an explosive or combustible propellant. Firearm includes an unloaded firearm and a firearm that is inoperable but that can readily be rendered operable. Firearm includes, but is not limited to, handguns, pistols, rifles, shotguns, automatic and semi-automatic weapons and zip guns.

"Explosives" meaning any chemical compound, mixture, or device, the primary or common purpose of is to function by explosion. Explosive includes but is not limited to dynamite, black powder, pellet powders, blasting caps, fuse igniters and instantaneous fuses.

"Explosive devices" which are defined as any device designed or specially adapted to cause physical harm to persons or property by means of an explosion, and consisting of any explosive substance or agency and means to detonate it. Explosive devices include bombs, demolition devices, blasting caps or detonators containing an explosive charge and any pressurized vessel that has been knowingly tampered with or arranged so as to explode.

"Incendiary devices" which means any firebomb, and any device designed or specially adapted to cause physical harm to persons or property by means of fire and consisting of any incendiary substance or agency and means to ignite it.

Knives with a blade longer than 3.5".

"Ballistic knife" which means a knife with a detachable blade that is propelled by a spring-operated mechanism or other illegal knives.

“City property” means the vehicles, equipment, machinery, facilities and land owned, leased or under the primary control of the City of Cuyahoga Falls, including all Park and Recreation facilities and areas under construction.

“Visitor” means any person who is on City property, including independent contractors, vendors and visitors, and off-duty employees of the City of Cuyahoga Falls.

C. GENERAL PROVISIONS

No person is permitted to carry or possess a deadly weapon on City property except as provided in this policy.

1. Prohibition

Employees .Employees are prohibited from possessing or carrying a deadly weapon, including but not limited to a firearm, while acting in the course and scope of their employment, either on or off City property, regardless of whether the employee has a permit to carry a deadly weapon, except as otherwise provided in the policy.

Visitors .Visitors, vendors and independent contractors are prohibited from possessing or carrying a deadly weapon while on City property, or engaged in the course of City business or City activities, except as otherwise provided in this policy.

2. Exceptions

Law Enforcement .Law Enforcement officers, as defined in RC 2901 .01, acting within the scope of their duties, are exempt from this policy.

Security Officers .City of Cuyahoga Falls security officers and the head of security personnel, who are authorized to carry deadly weapons as a requirement of their duties, and who are acting within the scope of their duties at the time of that possession or control, are exempt from this policy.

Persons exempt pursuant to RC 2923.123

Parking Areas .This policy does not prohibit the lawful possession or carry of a concealed weapon in private vehicles in a City parking area or parking facility, provided the owner has obtained the appropriate permit(s) required under the law and stores the weapon in their own locked vehicle, either in a locked glove compartment (or other locked compartment), in the trunk, or locked inside a gun case.

Other Authorized Uses .Lawful possession or carry related to use at a City shooting range or other law-enforcement programs; Lawful discharge or possession of a deadly weapon for show or memorial purposes where no projectile is discharged; Lawful transport of an unloaded deadly weapon directly between a parking area or parking facility and the location authorized for its use, or transport of an unloaded deadly weapon directly between a parking area or parking facility and a storage facility provided by the City.

Other Authorized Persons . Individuals who have obtained written permission from the Mayor to carry or use deadly weapons or deadly weapons on City property to perform specific tasks for the City are exempt from this policy during the performance of those tasks.

D. DEADLY WEAPONS STORAGE

Deadly weapons are not permitted in any City vehicle. For purposes of this policy, City vehicles include any vehicle owned, leased or otherwise under the control of the City. City vehicles shall not be used to store or carry a deadly weapon, except as authorized for purposes under Section C. 2 above.

Nothing in this policy requires the City to provide storage facilities for employee's deadly weapon.

The City reserves the right to search all people and property in accordance with local, state and federal law.

E. VIOLATIONS BY EMPLOYEES

Violation of this policy by an employee while on duty or in the course of City business is grounds for immediate removal from City property and termination of employment. An employee who uses a deadly weapon while on duty or in the course of City business will not be defended or indemnified by the City of Cuyahoga Falls. Furthermore, the City may refer suspected violations to appropriate law enforcement authorities, as permitted by law.

Display of a deadly weapon while on or off duty on City property is considered a threat, and will subject the employee to disciplinary action up to and including termination of employment. An employee who displays an empty firearm holster while on duty, creates a physically intimidating and hostile work environment and will be subject to disciplinary action up to and including termination of employment.

F. REPORTING RESPONSIBILITY

If the employee believes that another person (visitor, independent contractor, vendor or another employee) is in possession of or carrying a deadly weapon in violation of this policy, the employee must report the suspected act immediately to the City Police Department and then his/her supervisor, unless reporting at that time would subject the employee or others to physical harm. The threat of physical harm may delay, but does not excuse this reporting requirement.

The City will not tolerate retaliation toward or harassment of any employee who, acting in good faith, reports violations of this policy.

Failure to Report . Failure to report knowledge the presence of any deadly weapon on City property in violation of this policy shall subject the employee to discipline up to and including termination of employment.

False Report .If an employee knowingly makes a false report of a suspected violation of this policy, the employee will be subject to disciplinary action, up to and including termination of employment.

G. SAFETY & ENFORCEMENT

Employees should be aware that the enforcement of this policy might deal with confronting individuals carrying potentially loaded deadly weapons. Under no circumstances should an employee take unnecessary risks or compromise his or her safety in order to enforce this policy. The Cuyahoga Falls Police Department should be contacted immediately if there is a possibility of imminent threat to the personal safety of an employee or others.

H. EMPLOYEE RESPONSIBILITY

Employees are responsible for making sure, in advance, that any potentially covered item in their possession is not prohibited by this policy. Questions regarding items covered in this policy should be directed to the City Police Department.

I. LIMITATIONS

In the event any other City policy or procedure is found to be in conflict with this policy, the terms of this policy shall govern. To the extent any federal, state or local law, rule or regulation limits or prohibits the application of any provision of this policy, then to the minimum extent necessary, this policy is deemed to be amended to be in compliance, pursuant to such law, rule or regulation.

CITY OF CUYAHOGA FALLS:

BIDS SUBJECT TO 60 DAY ACCEPTANCE

BECAUSE OF OUR DESIRE TO FAIRLY AND EQUABLY EVALUATE ALL COMPETITIVE BIDS, WE ARE SPECIFYING THAT ALL BIDS BE SUBJECT TO ACCEPTANCE BY THE CITY WITHIN 60 DAYS FROM THE DATE OF THE BID OPENING.

EXCEPTION BY THE BIDDER TO THIS REQUIREMENT MAY RESULT IN HAVING THE SUBJECT BID REJECTED BY THE CITY AS NOT HAVING MET THE CITY'S SPECIFICATIONS.

CONTRACTOR PERMIT/REGISTRATION REQUIREMENTS

The Contractor shall review and comply with the provisions of any and all permits issued for this work, including compliance with contractor registration, insurance and/or bonding provisions. Although City of Cuyahoga Falls permit fees for this work, if applicable, will be waived, costs for City of Cuyahoga Falls contractor registration, if applicable, will not.

INSURANCE

Section 2

CONTRACT FORMS

Section 3

(DIRECTOR OF PUBLIC SERVICE)

NOTE

The bidder hereby agrees that the Director of Public Service has the right to reject any or all bids and to waive informality in any bid and that the bidder shall not dispute the correctness of the quantities used in computing the lowest and best bid.

The bidder further agrees that the Director of Public Service may at his discretion award the contract on the basis of individual items taken separately in multiples or collectively for any or all items in this proposal and that he will not dispute the Director's judgment in his award upon this basis.

Signature of Officer, Partner or Owner

(Business address of bidder)

CERTIFIED CHECK OR BID BOND

Certified check or bid bond in the amount of:

_____ on
State Amount

Name of Bank or Bonding Company

_____ deposited herewith.

BIDDER

All bids not in conformity with these provisions will be rejected.

* *PLEASE PLACE BID BOND/CERTIFIED CHECK ON TOP OF THE BID PACKET WHEN SUBMITTING YOUR BID. ALSO, PLEASE HAVE NOTED THE ADDRESS OF WHERE THE BID BOND/CERTIFIED CHECK IS TO BE RETURNED. THANK YOU FOR YOUR COOPERATION.*

CERTIFICATION OF OSHA COMPLIANCE

I, _____, hereby certify that _____
(Company Official) (Company)
will comply with all Federal, State and City of Cuyahoga Falls statutes, ordinances, rules and regulations regarding job site safety, including but not limited to the Occupational Safety and Health Act while engaged in this project. I understand that a failure of _____
(Company)
or its subcontractors to follow any safety regulation will result in the city, in its sole discretion issuing a stop work order on the project until the violation is cured. Failure to stop work when so ordered by the City may result in the immediate termination of the Agreement by the City. The City may, in its sole discretion, notify OSHA of any violation of safety regulations by the Company or its subcontractors. All fines and penalties that may result from any violation will be borne by the Company or its subcontractor.

Signature

Title

State of Ohio)
)ss
County of _____)

Sworn to before me and subscribed in my presence this _____ of _____,
20_____.

Notary Public
My Commission Expires: _____

[seal]

CERTIFICATION

I, _____ certify that
(Company Official)

_____ has posted in the workplace and distributed
(Company)
to all employees our Drug-Free Workplace Policy Statement, a copy of which is attached hereto.

I further certify that _____ has made information on alcohol
(Employer)
and drug abuse awareness available to all employees and will provide information on the
availability of counseling and referral services to any employee requesting such information.

(Official Signature and Title)

State of Ohio)
County of Summit)ss
)

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

Notary Public

[Seal]

In accordance with City of Cuyahoga Falls Ordinance No. 12-1990, passed January 22, 1990:

DRUG FREE WORKPLACE POLICY STATEMENT

_____ hereby notifies all employees of our policy
(Employer)
regarding drugs in the workplace.

Without exception, the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance while in the workplace is strictly prohibited.

_____ requires that as a condition of employment,
(Employer)
any employee convicted of a drug violation occurring in the workplace must notify his or her employer within five (5) days after conviction.

Any employee found in violation of this policy is subject to appropriate personnel action, up to and including termination of employment. Continued employment may be conditioned upon successful completion of an acceptable drug rehabilitation program.

Any employee seeking information on drug or alcohol abuse awareness and the availability of counseling and referral services should contact:

(Name)

(Phone)

CERTIFICATION

I, _____ hereby certify that
(Company Official)

_____ has received, reviewed, and distributed the
(Company)

City of Cuyahoga Falls' policy regarding Sexual Harassment to all employees who will be working or involved with this project. I further certify that _____
(Company)

will indemnify the City of Cuyahoga Falls in any action brought against it alleging that an employee of _____ engaged in any conduct prohibited by the
(Company)

City's Sexual Harassment Policy while working or otherwise involved with this particular Project.

Signature

Title

State of Ohio)
)ss
County of _____)

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

Notary Public

My Commission Expires: _____

[Seal}

EQUAL EMPLOYMENT OPPORTUNITY

During the performance of this contract, the CONTRACTOR agrees as follows:

- a. The CONTRACTOR will not discriminate against any employee or applicant for employment because of race, creed, color, sex, national origin or handicap status. The CONTRACTOR will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, creed, color, sex, national origin or handicap status. Such action shall include, but not be limited to the following: Employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

The CONTRACTOR agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provision of this nondiscrimination clause.

- b. The CONTRACTOR will, in all applications or advertisements for employees placed by or on behalf of the CONTRACTOR, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, national origin or handicap status.
- c. The CONTRACTOR will cause the foregoing provisions to be inserted in all subcontractors for any work covered by this Contract so that such provisions will be binding upon each subcontractor, provided that foregoing provisions shall not apply to contractors or subcontracts for standard commercial supplies or raw materials.

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 the following:

"New" construction threshold for Building Construction:	\$250,000
"Reconstruction, enlargement, alteration, repair, remodeling, renovation or painting" threshold for Building Construction:	\$75,000

OR

As of January 1, 2020:

"New" construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction threshold level has been adjusted to:	\$93,292
"Reconstruction, enlargement, alteration, repair, remodeling, renovation or painting" that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction threshold has been adjusted to:	\$27,950

- a. Thresholds are to be adjusted biennially by the administrator of Ohio Bureau of Employment Services.
- b. Biennial adjustments to threshold levels are made according to the Building Cost for Skilled Labor Index published by McGraw-Hill's Engineering News-Record, but may not increase or decrease more than 3% for any year.

Penalties for Violation

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:

- a. Intentional failure to submit payroll reports as required, or knowingly submitting false or erroneous reports.
- b. Intentional misclassification of employees for the purpose of reducing wages.
- c. Intentional misclassification of employees as independent contractors or as apprentices.
- d. Intentional failure to pay the prevailing wage.
- e. Intentional failure to comply with the allowable ratio of apprentices to skilled workers as required by the regulations established by Ohio Bureau of Employment Services Wage and Hour Division.
- f. 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 Bureau of Employment Services, Wage and Hour Division, 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 OBES Wage and Hour Division 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 rations 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 Bureau of Employment Services 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 cancelled checks/check register.
 3. Fringe benefit records must include program name, address, account number, and cancelled 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 on 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. 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. Employee's 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. Employee's work classification.
 - a. Be specific about he laborers and/or operators.
 - 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. 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.
 - 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. Send a Final Affidavit to the Prevailing Wage Coordinator upon the completion of the project.

COMPLETION TIME CERTIFICATION

The Contractor shall state the number of calendar days necessary for completion of this Contract after the date of Award of Contract.

Number of calendar days for _____ : _____ days.
(Name of Contract)

Signature of Bidder

Witness: By: _____

Address: _____

LOCAL BID PREFERENCE

The City of Cuyahoga Falls shall apply a Local Bid Preference to this invitation as outlined in Section 181.08 of the Codified Ordinances, including:

- a) In determining the low bid for supplies, commodities, materials, equipment, furnishings or general services, the Board of Control shall exercise a preference for local bidders as provided herein. The local preference shall also apply to contracts for the building, repair or renovation of public buildings or improvements.
- b) Bidders having established their principal place of business, defined as a business with a significant economic and physical presence in Cuyahoga Falls for two (2) successive calendar years prior to the bid opening date, shall be preferred as lowest if their bid does not exceed by more than three percent (3%), with an upper limit of ten thousand dollars (\$10,000.00), the apparent lowest bid.
- c) To qualify for local preference, bidders shall state on the bid documents their principal place of business, the business address where work will be administered (post office boxes will not be accepted in lieu of a street address) and the date of establishment. Each bidder shall have only one principal place of business.
- d) Local preferences shall not be applied as provided; herein for any bids where prohibited by federal or state laws or regulations.
- e) Local preferences shall only be applied in considering the lowest bid and shall not waive or nullify evaluation of which bidders are responsive and responsible. In no event shall any preference granted herein exceed a maximum of three percent (3%) or ten thousand dollars (\$10,000.00), whichever is less.
- f) The City shall indicate in all its invitations to bid and specifications for all public contracts for supplies, equipment and materials, excluding construction contracts and contracts financed in whole or in part by contributions or loans from any agency of the State of Ohio or United States Government, that it shall apply a local bid preference as outlined in this section in the evaluation and award of bids received.

Principal Place of Business:

Street Address City State Zip

Address where work will be administered:

Street Address City State Zip

Date Business Established (MM/DD/YYYY):

Findings of Recovery by Auditor of the State

Ohio law (ORC section 9.24) prohibits any state agency or political subdivision from awarding a contract for goods, services, or construction to any person against whom a finding for recovery has been issued by the Auditor of State, if that finding is unresolved. While there are additional criteria, the statute limits this prohibition to contracts which are paid in whole or in part with state funds and which exceed \$25,000.

The Auditor of State has established a database pursuant to ORC 9.24 in order to list all persons who have unresolved findings for recovery, dating back to January 1, 2001. Before entering into a public contract described above, a state agency or political subdivision is required to verify that the person does not appear in this database.

Each bidder shall log on to <http://www.auditor.state.oh.us/> and **provide a copy of a certified search of unresolved findings with your bid.** This requirement shall apply to all contracts awarded by the City of Cuyahoga Falls.

CERTIFICATION

I, _____ hereby certify that
(Company Official)

_____ does not have an unresolved finding of
(Company Official)

recovery issued by the Auditor of the State of Ohio as required by Ohio law (ORC section 9.24).

I further certify that _____ has provided a certified search of
(Company Official)

unresolved findings with this bid showing no unresolved findings in his/her name.

Signature

Title

State of Ohio)
)ss
County of _____)

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

Notary Public

My Commission Expires: _____

[Seal]

CERTIFICATION OF COMPLIANCE WITH O.R.C. 3517.13

The following certificates are required pursuant to Ohio's Campaign Finance Reform law.

One of the following two certificates shall be completed by any individual, partnership, unincorporated business, association, professional association, estate, trust, corporation, or business trust that has been awarded a contract by the City of Cuyahoga Falls.

It shall be the Contractor's responsibility to determine which of the two certificates applies and if compliance with R.C. 3517.13 has been achieved.

The City of Cuyahoga Falls has entered into a contract for goods and/or services with _____ . The undersigned authorized representative of _____ certifies on behalf of _____ that all of the following persons, if applicable, are in compliance with division (I) (1) of Ohio Revised Code Section 3517.13 with respect to all public officials who had the authority to award that contract and all public officials who may authorize or receive goods or services under that contract:

- A. the individual;
- B. each partner or owner of the partnership or other unincorporated business;
- C. each shareholder of the association;
- D. each administrator of the estate;
- E. each executor of the estate;
- F. each trustee of the trust;
- G. each spouse of any person identified in (A)-(F) above;
- H. each child seven year of age to seventeen years of age of any person identified in (A)-(G) above;
- I. any combination of persons identified in (A) – (H) above.

The undersigned certifies such compliance on and since the date that the contract was executed by all parties necessary for a valid contract with the City. This certification shall be a part of the above-referenced contract between the City and _____.

ON BEHALF OF COMPANY:

DATE SIGNED:

Note: This form is to be used by an individual, partnership, or other unincorporated business, association, including without limitation, a professional association organized under Chapter 1785 of the Revised Code, estate or trust. If you are unsure if this form applies to you or if you are in compliance with R.C. 3517.13 you may want to contact an attorney.

Knowingly making a false statement on this certification is considered a felony of the fifth degree and any such falsification will act as a rescission of this contract.

CERTIFICATION OF COMPLIANCE WITH O.R.C. 3517.13

The City of Cuyahoga Falls has entered into a contract for goods and/or services with _____ (“Company”), an Ohio corporation. The undersigned authorized representative of Company certifies on behalf of the Company that all of the following persons, if applicable, are in compliance with division (J) (1) of Ohio Revised Code Section 3517.13 with respect to all public officials who had the authority to award that contract and all public officials who may authorize or receive goods or services under that contract:

- A. each owner of more than twenty percent of the corporation or business trust;
- B. each spouse of each owner of more than twenty percent of the corporation or business trust;
- C. each child of seven years of age to seventeen years of age of each owner of more than twenty percent of the corporation or business trust;
- D. any combination of persons identified in (A) – (C) of this indented list.

The undersigned certifies such compliance on and since the date that the contract was executed by all parties necessary for a valid contract with the City. This certification shall be a part of the above-referenced contract between the City and Company.

ON BEHALF OF COMPANY:

DATE SIGNED:

Note: This form is to be used by a corporation or business trust, except a professional association organized under Chapter 1785 of the Revised Code. If you are unsure if this form applies to you or if you are in compliance with R.C. 3517.13 you may want to contact an attorney.

Knowingly making a false statement on this certification is considered a felony of the fifth degree and any such falsification will act as a rescission of this contract.

SPECIFICATIONS AND PROPOSALS

Section 4

PROPOSAL

DATE: _____

TO THE DIRECTOR OF PUBLIC SERVICE
CITY OF CUYAHOGA FALLS, OHIO

The undersigned proposes to:

Make drainage improvements on West Bath Road near Yellow Creek Road

all in accordance with the plans and specifications for the City of Cuyahoga Falls, Ohio.

The quantity in the column headed "ESTIMATED QUANTITY" is that which will be used in determining the total amount of the proposal for the purpose of determining the lowest bidder; but it is understood and agreed that this quantity is APPROXIMATE ONLY and that the Contractor to whom the Contract is awarded shall not be entitled to any claim for the loss of profits, or for other damages should the quantity prove to be greater or less than is herein given in said "ESTIMATED QUANTITY" column.

In the event that the amounts entered into the columns labeled "UNIT COST LABOR" and "UNIT COST MATERIAL" are inconsistent with the amounts entered in the column labeled "TOTAL UNIT COST", the bidder agrees that the amounts entered in the "UNIT COST LABOR" and "UNIT COST MATERIAL" shall control.

The bidder agrees further that if this proposal be accepted he will contract with the City to perform the work as outlined in the specifications in accordance with a work schedule that is agreeable to the Director of Public Service all for the following prices:

COMPANY

BY: _____

TITLE

ADDRESS

Zip Code

Phone

BASE BID WEST BATH ROAD IMPROVEMENTS PROJECT

ITEM NO.	SPEC. REF.	ITEM DESCRIPTION	UNIT MEASURE	ESTIMATED QUANTITY	UNIT COST LABOR	UNIT COST MATERIAL	TOTAL UNIT COST	TOTAL COST	TOTAL AMOUNT WRITTEN OR TYPED WORDS
GENERAL									
1	624E10000	Mobilization, Demobilization	LS	1					
2	103E06000	Award & Execution of Contract-Bonding & Insurance	LS	1					
3	623E10000	Construction Layout Staking	LS	1					
4	614E13600	MOT/Misc.	LS	1					
5	201E11000	Clearing and Grubbing	LS	1					
SEWER MAINS									
6	611E52900	34"x53" Conduit, Type A (Class 3) (11-8LF Segments Required)	LF	88					
7	611E16400	36" Conduit, Type B	LF	272					
8	611E99574	Manhole, NO. 3	EA	2					
9	511E46610	Class QC1 Concrete Headwall, HW-3 (full height)	CY	18					
EXCAVATION & BACKFILL									
10	203E10000	Excavation	CY	150					
11	203E20000	Embankment	CY	600					
12	601E32100	Rock Channel Protection, Type B, W/ Filter Fabric	CY	7					
REMOVAL									
13	201E26400	Tree Removed Including Stump, APP	EA	1					
14	202E35201	Pipe Removed, Over 24", APP	LF	95					
15	202E70000	Special - Fill and Plug Existing Conduit	FT	40					
16	202E98011	Removal Misc.: Concrete Wall and Accumulated Sediment Removal, APP	LS	1					
PAVEMENT									
17	253E02000	Pavement Repair	SY	65					
SEEDING & RESTORATION									
18	659E51000	Seeding & Mulching	SY	600					
19	661E50120	Evergreen Tree, 6' Height	EA	3					

Unofficial Total Base Bid

\$ _____

4.1.1*

RESOURCES AND EXPERIENCE OF BIDDER

THE BIDDER, in order to secure consideration of this proposal, shall complete the following:

A. State below work performed similar to that to be done under this proposed contract:

B. State below the larger items of owned equipment proposed for use under this proposed contract:

C. Submit evidence of financial ability to handle the work under this proposed contract. A statement such as "Adequate" will not be accepted by the Board of Control.

NOTE: NO PROPOSAL WILL BE CONSIDERED UNLESS THE ABOVE IS COMPLETED.

QUALIFICATION INFORMATION

The information contained herein is for the guidance of the Board of Control in awarding the Contract and will be regarded as confidential.

The undersigned bidder proposes to use the following entirely owned equipment on this project:

The undersigned bidder proposes to use the following rented equipment on this project:

The undersigned bidder agrees to maintain all owned or rented equipment used on this project in a workable and safe condition and further agrees that the director of public service (or a designee) shall have the right to inspect said equipment at any reasonable time.

THE UNDERSIGNED BIDDER HAS CONTRACTED WITH THE FOLLOWING GOVERNMENTAL AGENCIES FOR WORK OF A SIMILAR NATURE:

	LOCATION & TYPE	AGENCY	DATE (S)	\$ VALUE
1				
2				
3				
4				
5				

COMPANY

SIGNATURE

PRINT NAME AND TITLE

NOTICE OF SUBCONTRACTORS

Name of Bidder: _____

If you intend to have any portion of this contract performed by a subcontractor, list the subcontractor(s) below:

If you are the successful bidder, you will be fully responsible to the City of Cuyahoga Falls for the acts and omissions of all subcontractors, supplies and other persons performing or furnishing any portion of this contract. In addition, you must ensure that any warranties provided by or through any subcontractor, supplier, or other person are to the benefit of and enforceable by the City of Cuyahoga Falls, Ohio.

Acknowledged by:

Authorized Agent of Bidder

ATTENTION ALL BIDDERS

ATTENTION OF THE BIDDER is directed to general information relating to the PROPOSAL contained herein, all of which work shall be performed in accordance with the **Current Specifications for the City of Cuyahoga Falls** and any **Special Specifications** contained herein applicable to these improvements.

CURRENT CONSTRUCTION SPECIFICATIONS: (1976 Edition)

Bidders who do not have a copy of these specifications may obtain same from the office of the City Engineer at a cost of twenty dollars (\$20.00) per copy.

SPECIAL PROVISIONS:

This section of the Proposal contains any Addenda's, Supplemental Specifications and Special Specifications applicable to these improvement and should be carefully reviewed by the Bidder. (This section follows the Proposal of bid items).

QUALIFICATION INFORMATION:

This page follows the Proposal of Items of Work and shall be filled in by the bidder to be used by the Board of Control as a guide in awarding this contract. This information will NOT be read at the bid opening.

AWARD OF CONTRACT BY THE BOARD OF CONTROL:

The BOARD OF CONTROL proposes to award the contract for this Proposal based upon the summation of the individual total bid prices, however, the BOARD OF CONTROL reserves the right to REJECT ANY AND ALL BIDS.

LOCAL BID PREFERENCE

The City of Cuyahoga Falls shall apply a Local Bid Preference to this invitation as outlined in Section 181.08 of the Codified Ordinances.

LAWN RESTORATION

- 1) Perform lawn restoration and seeding work only after other work affecting ground surfaces have been completed. All existing lawn areas disturbed by the installation of this project shall be re-seeded to establish new lawn in these areas.
- 2) The Contractor shall be responsible for removal of all site debris, fine grading of the disturbed areas with four-inches (4") of new, clean, screened topsoil, and seeding new lawn areas with Fairlawn Brand Seed (Oliger) or equal at a rate of 5 lbs. per 1000 square feet.
- 3) To insure quick establishment of lawn areas the Contractor will apply Mil-Chem organic fertilizer (12-16-10) or approved equal at a rate of 40 lbs. per 5000 square feet and then install shredded wheat straw held in place with tackifier or green netting.
- 4) Seed shall be Fairlawn Brand as distributed by Oliger Seed or approved equal. Seed shall be clean and fresh, packed in sealed bags showing net weight, composition of mix, date of germination tests and supplier's name. Germination test shall be done within a nine (9) month period prior to sale of the seed.
- 5) Fertilizer shall be a granular, non-burning product composed of not less than 50% organic, slow acting, guaranteed analysis professional fertilizer. Included shall be starter fertilizer containing 13% nitrogen, 25% phosphoric acid and 12% potash by weight or approved similar composition.
- 6) Clean topsoil shall not contain glass, rocks, twigs, leaves or other unsuitable material. All topsoil shall be screened.

ATTENTION

GENERAL CONTRACTORS

PUBLIC IMPROVEMENT CONTRACTS ARE AWARDED BY THE BOARD OF CONTROL TO A GENERAL CONTRACTOR WHO IS ENTIRELY RESPONSIBLE TO THE CITY OF CUYAHOGA FALLS FOR THE WORK UNDER THE TERMS OF THE PROPOSAL CONTAINED HEREIN.

SUB-CONTRACTORS WORK DIRECTLY FOR THE GENERAL CONTRACTOR, WITH WHOM ALL PROBLEMS SHALL BE DISCUSSED, AND NO CONTACT SHALL BE MADE WITH THE DIVISION OF ENGINEERING EXCEPT THROUGH OR IN THE PRESENCE OF THE GENERAL CONTRACTOR.

PAYMENTS FOR THE WORK ARE MADE DIRECTLY TO THE GENERAL CONTRACTOR.

SPECIFICATION ADDENDUM

SECTIONS 109.08 & 109.09

109.08 Final Estimate

Before the final estimate is allowed, the Owner shall require the Contractor to submit an affidavit from each and every subcontractor showing that all claims and obligations arising in connection with the performance of his portion of the contract have been satisfactorily settled. The improvement shall be inspected by the Engineer, and if he finds the Work is completed according to the contract, shall, within 60 days after the completion of this contract, prepare a statement of the total cost of the Work done hereunder, and the Owner shall pay the entire sum so found to be due hereunder after deduction therefrom all previous payments under the provisions of this contract and ALSO DEDUCTING THE GUARANTEE AND RETAINAGE CHARGE AS SET FORTH IN SECTION 109.09 following.

109.09 Guarantee and Retainage

The Contractor shall guarantee all Materials and Equipment furnished and work performed for a period of one (1) year from the date of completion. The Contractor warrants and guarantees that the completed system is free from all defects due to faulty materials or workmanship and the Contractor shall promptly make such corrections as may be necessary by reason of such defects including the repairs of any damage to other parts of the system resulting from such defects. The Owner will give notice of observed defects with reasonable promptness. In event that the Contractor should fail to make such repairs, adjustments, or other work that may be made necessary by such defects, the Owner may do so and charge the Contractor the cost thereby incurred. The Performance Bond shall remain in full force and effect through the guarantee period.

Further the City will retain three percent (3%) of the entire cost of the work done by the Contractor for the above guarantee period of one year beginning on the date of the Engineer's final estimate payment sheet.

If the Contractor shall have complied with all the requirements of the contract in keeping said improvement in good and proper repair, at the end of his guarantee period upon order of the director the Contractor shall receive this retainer; but, if the Contractor shall fail to make all necessary repairs as indicated by said Engineer at any time during the above period, then the Engineer shall have power to expend all or such part of the amounts so retained as the said Engineer may see fit, and apply the same to making the necessary repairs.

Should the amount retained not be sufficient to make the required repairs, the contractor shall at once make good the deficiency. At the expiration of the guarantee period as above specified, whatever remains to the credit of the Contractor, provided all repairs shall have been made satisfactory to the said Engineer, shall be paid to the Contractor as full settlement of any balance due on said contract as herein provided whereupon and not until then, shall the Contractor be released from the obligation assumed in this contract and his bond discharged. The final acceptance of the work shall be the date when the guarantee is released.

SPECIFICATION ADDENDUM

SECTION 109.06

109.06 Partial Payments

(a) At least ten (10) days before each progress payment falls due (but not more often than once a month), the Contractor will submit to the Engineer a partial payment estimate filled out and signed by the Contractor covering the Work performed during the period covered by the partial payment estimate and supported by such data as the Engineer may reasonably require. If payment is requested on the basis of materials and equipment not incorporated in the Work but delivered and suitably stored at the site, the partial payment estimate shall also be accompanied by supporting data, as follows: 1) waiver of lien, 2) proper invoice for material, 3) assurance of City's title to material, 4) proof of payment to vendor for material, 5) proof of applicable insurance on material is in effect. Payment for material stored on site shall be limited to major items of construction with a value exceeding one percent (1%) of contract value. The Engineer will, within ten (10) days after receipt of each partial payment estimate, either indicate in writing his approval of payment and present the partial payment estimate to the Owner, or return the partial payment estimate to the Contractor indicated in writing his reasons for refusing to approve payment. In the latter case, the Contractor may make the necessary corrections and resubmit the partial payment estimate. The Owner will, within thirty (30) days of presentation to him of an approved partial payment estimate, pay the Contractor a progress payment on the basis of the approved partial payment estimate. The Contractor will be paid the bid and stipulated unit and lump sum prices as set forth in his Proposal, for the amount of work approved for payment by the Engineer. The sum total for these items shall constitute full payment for the job complete, tested, and ready for use.

(b) The Owner shall retain ten percent (10%) of the amount of each partial payment until the work is complete. With the final payment the Owner shall pay the Contractor seventy percent (70%) of the retainage held.

Ord. 56-1990
4/9/90

GENERAL CONTRACTORS

IMPROVEMENT CONTRACTS FOR CURBING, PAVING, RESURFACING

THE CONTRACTOR TO WHOM THIS CONTRACT HAS BEEN AWARDED SHALL COMPLY WITH THE REQUIREMENTS OUTLINED HEREIN:

1. PLANS AND STANDARD DRAWINGS:
Prints shall be on the job and available at all times.

2. CONCRETE WORK INVOLVING FORM WORK:
No concrete work shall be placed until form work has been approved and accepted by the City Project Inspector.

Concrete work constructed in violation of this directive shall be subject to removal and replacement at the expense of the Contractor.

3. UNDERGROUND ELECTRIC AND COMMUNICATION WIRES, CONDUIT AND APPURTENANCES:
The Contractor shall be responsible for any damages.

4. LOCATION OF DOWN SPOUT DRAINS:
The Contractor shall be responsible for the location of all down spout drains. If a drain is inadvertently overlooked and it is necessary to drill a hole in the curb after it has been placed, the drilling shall be performed by the City's contractor at the expense of the Contractor.

5. LOCATING OF WATER SERVICE BOXES, WATER SHUT-OFF VALVE BOXES, AND SANITARY AND STORM SEWER MANHOLES:
The initial locating of these boxes and manholes will be performed by the City Water Utilities Department forces upon a one (1) week notice.

It will then be the responsibility of the Contractor to preserve the location stakes or log the points by another method. If it is necessary for the City Water Utilities Department forces to relocate these items, costs will be billed at the prevailing hourly rate at which the work is performed.

6. ADJUSTING WATER SERVICE BOXES TO GRADE:
The top of these curb boxes shall be either flush with or a maximum of 1/4" below the surface of the berm, drive approach, or sidewalk. These boxes will be replaced prior to adjusting as determined by the City Engineer. The Contractor will ensure that each box is in good condition and that the stem is operational.

All damaged or buried service boxes must be corrected within two (2) weeks following written notification by the City. All costs incurred by the City to correct damaged or buried service boxes will be billed at the prevailing hourly rate at which the work is performed.

7. ADJUSTING WATER SHUT-OFF BOXES TO GRADE:

The top of these water boxes shall be either flush with or a maximum of 1/4" below the final surface of pavement, berm, drive approach, or sidewalk. Measurement in excess of these limits shall be grounds for non-acceptance of this item.

The boxes shall be adjusted prior to addition of the final asphalt surface course. Riser rings are acceptable for water boxes, provided the top section is in good condition. The boxes will be replaced prior to adjusting as determined by the City Engineer.

All boxes found damaged, covered, or buried must be corrected within two (2) weeks following written notification by the City. All costs incurred by the City to expose or correct damaged boxes will be billed at the prevailing hourly rate at which the work is performed, minus the bid amount for items not performed.

8. ADJUSTING SANITARY AND STORM SEWER FRAMES AND LIDS TO GRADE:

The top of the sanitary and storm sewer frames and lids shall be either flush with or a maximum of 1/4" below the final surface of pavement, berm, drive approach, or sidewalk. Measurement in excess of these limits shall be grounds for non-acceptance of these items.

The frames and lids shall be adjusted prior to addition of the final asphalt surface course. The frames shall be replaced prior to adjusting as determined by the City Engineer. Riser rings are not acceptable for adjusting sanitary and storm sewer lids to grade.

Care must be exercised to prevent debris from falling into the base of the manhole during removal, loosening installation or adjusting of these frames and lids. All debris must be removed immediately to prevent restriction of flow. All damage or work incurred by the City or residents due to a plugged sewer caused by debris from this work will be at the expense of the Contractor.

The Water Utilities Department will provide all frames and lids needed to replace defective items. NOTE: All two-inch (2") frames and lids are to be replaced with Cuyahoga Falls Standard one-inch (1") frames and lids. All frames and lids needed will be picked up by the Contractor following coordination with the Water Utilities Superintendent. All items replaced are the property of the City and will be picked up by City forces.

All manhole frames and lids found damaged or buried must be corrected within two (2) weeks following written notification by the City. All costs incurred by the City to expose or adjust manhole frames and lids will be billed at the prevailing hourly rate at which the work is performed, minus the bid amount for items not performed.

SPECIAL PROVISIONS

ADDENDAS AND SUPPLEMENTAL SPECIFICATIONS
TO THE CURRENT CONSTRUCTION SPECIFICATIONS FOR
THE CITY OF CUYAHOGA FALLS.

THIS SECTION ALSO INCLUDES ANY SPECIAL
SPECIFICATIONS AND STANDARD CONSTRUCTION
DRAWINGS APPLICABLE TO THIS PROPOSAL.

SECTION 5

NOTICE TO CONTRACTOR:

“DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN SECTION 153.011 OF THE REVISED CODE APPLY TO THIS PROJECT. COPIES OF SECTION 153.011 OF THE REVISED CODE CAN BE OBTAINED FROM ANY OF THE OFFICES OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES.”

WEST BATH ROAD DRAINAGE IMPROVEMENTS

LOCATION OF WORK

The work shall be performed on W. Bath Road, near Yellow Creek Road.

SCOPE OF WORK

The Contractor shall furnish tools, equipment, materials, labor and services for the W. Bath Road Drainage Improvements Project, as shown on the project drawings, and all construction necessary and associated therewith.

The work shall include but not be limited to the following:

- 1) Remove tree, pipe, concrete wall and accumulated sediment as per plan
- 2) Clear and grub as needed
- 3) Install new storm sewer system and appurtenances
- 4) Provide traffic control and seeding/mulching
- 5) Repair pavement
- 6) Plant new evergreen trees

SCHEDULES

At the pre-construction meeting the Contractor shall provide, to the Engineer, a proposed schedule for all work. It is the City's desire that this project is substantially complete in 2020.

TECHNICAL SPECIFICATIONS

SECTION 013323 - SHOP DRAWINGS, PRODUCT DATA AND SAMPLES

PART 1 - GENERAL

1.1 GENERAL

- A. The Contractor shall submit detailed drawings, acceptable catalog data, specifications and material certifications for all equipment and materials specified or required for the proper completion of the work.
- B. The intent of these items is to demonstrate compliance with the design concept of the work and to provide the detailed information necessary for the fabrication, assembly and installation of the work specified. It is not intended that every detail of all parts of manufactured equipment be submitted, however sufficient detail will be required to ascertain compliance with the specifications and establish the quality of the equipment proposed.

Shop Drawings shall be sufficiently clear and complete to enable the Engineer/Architect and Owner to determine that items proposed to be furnished conform to the specifications and that items delivered to the site are actually those that have been reviewed.

- C. It is emphasized that the Engineer/Architect's review of Contractor's submitted data is for general conformance to the contract drawings and specifications but subject to the detailed requirements of drawings and specifications. Although the Engineer/Architect may review submitted data in detail, such review is an effort to discover errors and omissions in Contractor's drawings. The Engineer/Architect's review shall in no way relieve the Contractor of his obligation to properly coordinate the work and to Engineer/Architect the details of the work in such manner that the purposes and intent of the contract will be achieved. Such review by the Engineer/Architect shall not be construed as placing on him or on the Owner any responsibility for the accuracy and for proper fit, functioning or performance of any phase of the work included in the contract.
- D. Shop Drawings shall be submitted in proper sequence and with due regard to the time required for checking, transmittal and review so as to cause no delay in the work. The Contractor's failure to transmit appropriate submittals to the Engineer/Architect sufficiently in advance of the work shall not be grounds for time extension.
- E. The Contractor shall submit Shop Drawings for all fabricated work and for all manufactured items required to be furnished in the Contract in accordance with the General Provisions and as specified herein. Shop Drawings shall be submitted in sufficient time to allow at least twenty-one (21) calendar days after receipt of the Shop Drawings from the Contractor for checking and processing by the Engineer/Architect.
- F. It is the responsibility of each Prime Contractor to furnish to all other Prime Contractors and especially the General Construction Contractor reviewed Shop Drawings for guidance in interfacing the various trades; i.e., sleeves, inserts, anchor bolts, terminations, and space requirements.

- G. No work shall be performed requiring Shop Drawings until same have been reviewed by Engineer/Architect.
- H. Accepted and reviewed Shop Drawings shall not be construed as approval of changes from Contract plan and specification requirements.
- I. The Engineer/Architect will review the first and second Shop Drawing item submittals at no cost to the Contractor. Review of the third submittal and any subsequent submittal will be at the Contractor's expense. Payment will be deducted from the Contract amount at a rate of 2.8 times direct labor cost plus expenses.

1.2 SUBMITTAL PROCEDURE

- A. All required submissions shall be made to the Engineer/Architect by the Prime Contractor(s) only. Any data prepared by subcontractors and suppliers and all correspondence originating with subcontractors, suppliers, etc., shall be submitted through the Contractor.
- B. Contractor shall review and approve all Shop Drawings prior to submission. Contractor's approval shall constitute a representation to Owner and Engineer/Architect that Contractor has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data or assumes full responsibility for doing so, and that Contractor has reviewed or coordinated each Shop Drawing or sample with the requirements of the work and the Contract Documents.
- C. Submittal Preparation: Mark each submittal with a permanent label or page for identification. Provide the following information on the label for proper processing and recording of action taken:
 - 1. Location
 - 2. Project Name
 - 3. Contract
 - 4. Name and Address of Engineer/Architect
 - 5. Name and Address of Contractor
 - 6. Name and Address of Subcontractor
 - 7. Name and Address of Supplier
 - 8. Name of Manufacturer
 - 9. Number and Title of appropriate Specification Section
 - 10. Drawing Number and Detail References, as appropriate.
 - 11. Submittal Sequence or Log Reference Number.
 - a. Provide a space on the label for the Contractor's review and approval markings and a space for the Engineer/Architect's "Action Stamp".
- D. Each Shop Drawing, sample and product data submitted by the Contractor shall have affixed to it the following Certification Statement including the Contractor's Company name and signed by the Contractor:

Certification Statement: By this submittal, I hereby represent that I have determined and verified all field measurements, field construction criteria, materials, dimensions, catalog numbers and similar data and I have checked and coordinated each item with other applicable approved shop drawings and all Contract requirements.

Signature

Date

Company

- E. Shop Drawings shall be submitted in not less than six (6) copies to the Engineer/Architect at the address specified at the Preconstruction Conference. Single mylar or sepia reproducible copies of simple Shop Drawings may be submitted with prior approval of the Engineer/Architect.
- F. At the time of each submission, Contractor shall in writing identify any deviations that the Shop Drawings or samples may have from the requirements of the Contract Documents.
- G. Drawings shall be clean, legible and shall show necessary working dimensions, arrangement, material finish, erection data, and like information needed to define what is to be furnished and to establish its suitability for the intended use. Specifications may be required for equipment or materials to establish any characteristics of performance where such are pertinent. Suitable catalog data sheets showing all options and marked with complete model numbers may, in certain instances, be sufficient to define the articles which it is proposed to furnish.
- H. For product which require submittal of samples, furnish samples so as not to delay fabrication, allowing the Engineer reasonable time for the consideration of the samples submitted. Properly label samples, indicating the material or product represented, its place of origin, the names of the vendor and Contractor and the name of the project for which it is intended. Ship samples prepaid. Accompany samples with pertinent data required to judge the quality and acceptability of the sample, such as certified test records and, where required for proper evaluation, certified chemical analyses.

1.3 REVIEW PROCEDURE

- A. Engineer/Architect will review with reasonable promptness all properly submitted Shop Drawings. Such review shall be only for conformance with the design concept of the Project and for compliance with the information given in the plans and specifications and shall not extend to means, methods, sequences, techniques or procedures of construction or to safety precautions or programs incident thereto.
- B. The review of a separate item as such will not constitute the review of the assembly in which the item functions. The Contractor shall submit entire systems as a package.
- C. All Shop Drawings submitted for review shall be stamped with the Engineer/Architect's action and associated comments.

- D. Except for submittals for record, information or similar purposes, where action and return is required or requested, the Engineer/Architect will review each submittal, mark to indicate action taken, and return accordingly. Compliance with specified characteristics is the Contractor's responsibility.

Action Stamp: The Engineer/Architect will stamp each submittal with a uniform, self-explanatory action stamp. The stamp will be appropriately marked, as follows, to indicate the action taken:

1. If Shop Drawings are found to be in general compliance, such review will be indicated by marking the first statement.
 2. If only minor notes in reasonable number are needed, the Engineer/Architect will make same on all copies and mark the second statement. Shop Drawings so marked need not be resubmitted.
 3. If the submitted Shop Drawings are incomplete or inadequate, the Engineer/Architect will mark the third statement, request such additional information as required, and explain the reasons for revision. The Contractor shall be responsible for revisions, and/or providing needed information, without undue delay, until such Shop Drawings are acceptable. Shop Drawings marked with No. 3 shall be completed resubmitted.
 4. If the submitted Shop Drawings are not in compliance with the Contract Documents, the Engineer/Architect will mark the fourth statement. The Contractor will be responsible to submit a new offering conforming to specific products specified herein and/or as directed per review citations.
- E. No submittal requiring a Change Order for either value or substitution or both, will be returned until the Change Order is approved or otherwise directed by the Owner.

APPLICATION FOR USE OF SUBSTITUTE ITEM

TO: _____

PROJECT: _____

SPECIFIED ITEM:

Page	Paragraph	Description
A.		The undersigned requests consideration of the following as a substitute item in accordance with Article 6.05 of the General Conditions.
B.		Change in Contract Price (indicate + or -) \$ _____
C.		Attached data includes product description, specifications, drawings, photographs, references, past problems and remedies, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified. For consideration of the attached data as SHOP DRAWINGS, submittal shall be in accordance with requirements of Section 013323.
D.		Attached data also includes a description of changes to the Contract Documents that the proposed substitution will require for its proper installation.

The undersigned certifies that the following paragraphs, unless modified by attachments are correct:

1. The proposed substitute does not affect dimensions shown on Drawings.
2. The undersigned will pay for changes to the building design, including engineering design, detailing, and construction costs caused by the requested substitution.
3. The proposed substitution will have no adverse affect on other contractors, the construction schedule, or specified warranty requirements. (If proposed substitution affects construction schedule, indicate below using + or -)

_____ CONSECUTIVE CALENDAR DAYS

4. Maintenance and service parts will be locally available for the proposed substitution.

The undersigned further states that the function, appearance, and quality of the proposed substitution are equivalent or superior to the specified item, and agrees to reimburse the OWNER for the charges of the ENGINEER for evaluating this proposed substitute item.

E. Signature:

Firm:

Address:

Telephone:

Date:

Attachments:

For use by ENGINEER:

_____ Accepted as evidenced by affixed SHOP DRAWING REVIEW stamp.

_____ Accepted as evidenced by included CHANGE ORDER.

_____ Not accepted as submitted. See Remarks.

_____ Acceptance requires completion of submittal as required for SHOP DRAWINGS.

_____ Not accepted. Do not resubmit.

By:

Date:

Remarks:

APPLICATION FOR USE OF "OR-EQUAL" ITEM

TO: _____

PROJECT: _____

SPECIFIED ITEM:

Page	Paragraph	Description
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A. The undersigned requests consideration of the following as an "or-equal" item in accordance with Article 6.05 of the General Conditions.

B. Change in Contract Price (indicate + or -) \$ _____

C. Attached data includes product description, specifications, drawings, photographs, references, past problems and remedies, and performance and test data adequate for evaluation of the request; applicable portions of the data are clearly identified. For consideration of the attached data as SHOP DRAWINGS, submittal shall be in accordance with requirements of Section 013323.

D. Signature:

Firm: _____

Address: _____

Telephone: _____

Date: _____

Attachments: _____

For use by ENGINEER:

_____ Accepted as evidenced by affixed SHOP DRAWING REVIEW stamp.

_____ Accepted as evidenced by included CHANGE ORDER.

_____ Not accepted as submitted. See Remarks.

_____ Acceptance requires completion of submittal as required for SHOP DRAWINGS.

_____ Not accepted. Do not resubmit.

By: _____ Date: _____

Remarks: _____

END OF SECTION 013323

SECTION 015713 - TEMPORARY EROSION CONTROL

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Furnishing all labor, materials, tools, equipment and services for the temporary soil erosion and sediment control work as indicated.
- B. Coordinating the temporary pollution and erosion control with work of all other trades.
- C. Reducing to the greatest extent practicable the area and duration of exposure of readily erodible soils.
- D. Protecting the soils by use of temporary vegetation or mulch or by accelerating the establishment of permanent vegetation.
- E. Mechanically retarding the rate of runoff from the construction site and control disposal of runoff.
- F. Trapping all sediment resulting from construction in temporary or permanent debris basins.
- G. Using temporary measures to keep erosion under control if construction is suspended for any appreciable length of time.
- H. Providing protection against chemical, fuel, or lubricant spills, and sewage pollutants.
- I. Protecting project and existing structures from surface water damage due to utility line excavations.
- J. Controlling soil erosion and sedimentation by use of silt fences, dikes, ditches, slope protection, sediment pits, basins, dams, slope drains, coarse aggregate, mulches, sod, grasses, filter fabrics, and other erosion control devices or methods.

1.2 SUBMITTALS

- A. Product Data
 - 1. Filter fabric
- B. Shop Drawings
- C. Samples
- D. Quality Control Submittals

1. Design Data
 2. Test Reports
 3. Certificates
 - a. Seed
 - b. Fertilizer
 - c. Limestone
 4. Manufacturers Instructions
- E. Contract Closeout Submittals
1. Project Record Documents

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping
 1. Deliver grass seed, fertilizer and limestone in original containers labeled with content analysis.
- B. Acceptance at Site
- C. Storage and Protection

1.4 SEQUENCING AND SCHEDULING

- A. All temporary control measures as shown on the Drawings, called for in these Specifications or ordered by the Engineer shall remain in effect during the life of the contract to control soil erosion, sedimentation and water pollution.

PART 2 - PRODUCTS

2.1 SEED

- A. Provide fresh, clean, new crop seed complying with tolerance for purity and germination established by Official Seed Analysts of North America.
- B. All areas of temporary seeding shall be seeded with grass as shown in the following table:

	Per 1000	
<u>March 1 - August 15</u>	<u>Square Feet</u>	<u>Per Acre</u>
Oats	3 lbs.	4 bu.
Perennial Ryegrass	1 lb.	40 lbs.
Tall Fescue	1 lb.	40 lbs.
	Per 1000	
<u>August 16 - November 1*</u>	<u>Square Feet</u>	<u>Per Acre</u>
Rye	3 lbs.	2 bu.

Wheat	3 lbs.	2 bu.
Perennial Ryegrass	1 lb.	40 lbs.
Tall Fescue	1 lb.	40 lbs.

* After November 1, use mulch only

2.2 ORGANIC MULCH

- A. Select mulch material based on site requirements, availability of materials and availability of labor and equipment. The following are the minimum rates:

Mulch	Rates		Notes
	Per Acre	Per 1000 ft ²	
Straw (temporary only)	2 tons	90 lbs.	Free from weeds and coarse matter. Must be anchored. Spread with mulch blower or by hand.
Wood Chips (permanent or temporary)	400 yds. ³	9 - 10 yds. ³	Apply approx. 3" deep. Treat with 12 lbs. of nitrogen per ton. Do not use on firm turf areas. Apply with mulch blower, chip handler, or by hand.
Bark Chips or Shredded Bark (temporary mulch only)	70 yds. ³	1½ - 2 yds. ³	Do not use in fine turf areas. Apply about ½" thick. Apply with a mulch blower or by hand.

2.3 FERTILIZER

- A. All fertilizer shall be manufactured from cured stock and organic sources. Chemical elements shall be accurately proportioned, uniformly mixed, and delivered to the site in factory-sealed containers fully labeled, bearing the name or trademark and warranty of the manufacturer. Commercial fertilizer for lawn sodding shall be dry or liquid compounds of 12-12- 12 analysis, meeting applicable requirements of State and Federal laws.

2.4 LIMESTONE

- A. All limestone shall be ground agricultural grade dolomitic limestone containing at least 10 percent magnesium oxide with a minimum total neutralizing power of 90, with at least 40 percent passing a No. 100 sieve and at least 95 percent passing a No. 8 sieve.

2.5 WATER

- A. All irrigation water shall be clean and free from injurious amounts of oil, acid, alkali, or other deleterious substances.

2.6 DITCH CHECKS

- A. Temporary ditch checks shall consist of coarse aggregate dikes.

2.7 INLET FILTERS

- A. Temporary inlet filters and silt fences shall be adequately supported as detailed on the drawings.

2.8 SLOPE DRAINS

- A. Temporary slope drains shall consist of pipe, coarse aggregate, riprap, rock channel protection, mats, plastic sheets or other materials approved by the Engineer. Sediment pits may be included as part of slope drain protection.

2.9 FILTER FABRIC

- A. Synthetic filter fabric shall be a pervious sheet of propylene, nylon, polyester or ethylene yarn and shall be certified by the manufacturer or supplier as conforming to the following requirements:

<u>Physical Property</u>	<u>Requirements</u>
Filtering Efficiency	75% (min.)

Tensile Strength at Extra Strength -
 20% (max.) Elongation 50 lbs./lin. in. (min.)
 *

Standard Strength - 30 lbs./lin.
 in. (min.)

Flow Rate 0.3 gal./sq.ft./min. (min.)

*Requirements reduced by 50 percent after 6 months of installation.

- B. Synthetic filter fabric shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of 6 months of expected usable construction life at a temperature range of 0° F to 120° F.

2.10 BURLAP

- A. Burlap shall be 10 ounce per square yard fabric.

2.11 FILTER SUPPORTS AND REINFORCING

- A. Posts for silt fences shall be either 4" diameter wood or 1.33 pounds per linear foot steel with a minimum length of 5 feet. Steel posts shall have projections for fastening wire to them.
- B. Stakes for filter barriers shall be 1" x 2" wood (preferred) or equivalent metal with a minimum length of 3 feet.
- C. Wire fence reinforcement for silt fences using standard strength filter cloth shall be a minimum of 42 inches in height, a minimum of 14 gauge and shall have a maximum mesh spacing of 6 inches.

PART 3 - EXECUTION

3.1 CONSTRUCTION REQUIREMENTS

- A. The Contractor shall limit the surface area of erodible earth material exposed by clearing and grubbing; the surface area of erodible earth material exposed by excavation; borrow; and fill operations; and provide immediate permanent or temporary control measures to prevent contamination of adjacent streams or other areas of water impoundment. Such work will involve the construction of temporary ditch checks, filters, benches, dikes, slope drains, and use of temporary mulches, mats, seeding or other control devices or methods necessary to control erosion and sedimentation.
- B. The Contractor shall incorporate all permanent erosion control features into the Work at the earliest practicable time. Except where future construction operations will damage slopes, the Contractor shall perform the permanent seeding and mulching and other specified slope protection work in stages, as soon as substantial areas of exposed slopes can be made available. This will require the establishing of final grades as shown on the Drawings and application of agricultural limestone, commercial fertilizer, seeding and mulching or sodding . When directed by the Engineer, temporary fertilizer, seeding and mulching materials shall be used. In general, the Contractor shall temporarily seed all disturbed areas within seven (7) days if they are to remain dormant for more than forty- five (45) days. Permanent soil stabilization shall be applied to disturbed areas within seven (7) days after final grade is reached on any portion of the site.. Temporary control measures will be used when and as directed by the Engineer to correct conditions that develop during construction that were not foreseen during the design stage; that are needed prior to installation of permanent control features; or that are needed temporarily to control erosion that develops during normal construction practices, but are not associated with permanent control features on the project.
- C. Where erosion is likely to be a problem, clearing and grubbing operations should be so scheduled and performed that grading operations and permanent erosion control features can follow immediately thereafter if the project conditions permit;

otherwise temporary erosion control measures will be required between successive construction stages.

- D. The Engineer will limit the area of excavation, borrow and embankment operations in progress commensurate with the Contractor's capability and progress in keeping the finished grading, mulching, seeding, and other such permanent control measures current in accordance with the accepted schedule. Mulching, seeding, and other such permanent control measures shall be applied after completion of a vertical eight (8) feet of embankment or cut, unless otherwise directed by the Engineer. Should seasonal limitations or embankment make such coordination unrealistic, temporary erosion control measures shall be taken immediately.
- E. The Engineer may increase or decrease the allowable amount of surface area or erodible earth material to be exposed at one time by clearing and grubbing, excavation, borrow and fill operations as determined by his analysis of project conditions. Factors such as soil erodibility, slope, cut or fill height, exposed area contributing to a watercourse and weather will be considered in this determination.
- F. In the event of conflict between these requirements and pollution control laws, rules, or regulations or other Federal, State or local agencies, the more restrictive laws, rules or regulations shall apply.
- G. Temporary seeding areas shall be fertilized at a rate of 12-15 pounds per 1000 square feet of 10-10-10 or 12-12-12 analysis or equal.
- H. When directed by the Engineer, the seed bed shall be thoroughly watered to maintain adequate moisture in the upper four (4) inches of soil, necessary to promote proper root growth.
- I. When directed by the Engineer, temporary seeded areas shall be mowed when grass exceeds four (4) inches in height.
- J. Temporary erosion control features shall be acceptably maintained and shall subsequently be removed or replaced when directed by the Engineer.
- K. Removed materials shall become the property of the Contractor and shall be disposed of off the site at the Contractor's expense.

3.2 PERFORMANCE

- A. If, in the opinion of the Engineer and Owner, proper control of soil erosion and sedimentation is not being provided by the Contractor, the Owner may take all necessary steps to provide corrective measures and the cost of such services will be deducted from any money which may be due or become due the Contractor.
- B. Control work performed for protection of construction areas outside the construction site, such as borrow and waste areas, haul roads, equipment and material storage sites, and temporary plant sites shall be considered as a subsidiary

obligation of the Contractor, with all necessary control costs included in the contract price.

- C. In the event that temporary erosion and sediment control measures are required due to the Contractor's negligence, carelessness, or failure to install permanent controls as a part of the work as scheduled, and are ordered by the Engineer, such temporary work shall be performed by the Contractor at his expense.

3.3 SILT FENCE

- A. The height of a silt fence shall not exceed 36 inches (higher fences may impound volumes of water sufficient to cause failure of the structure).
- B. The filter fabric shall be purchased in a continuous roll cut to the length of the barrier to avoid the use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum six (6) inches overlap and securely sealed.
- C. Posts shall be spaced a maximum of ten (10) feet apart at the barrier location and driven securely into the ground (minimum of 12 inches). When extra strength fabric is used without the wire support fence, post spacing shall not exceed six (6) feet.
- D. A trench shall be excavated approximately four (4) inches wide and four (4) inches deep along the line of posts and upslope from the barrier.
- E. When standard strength filter fabric is used, a wire mesh support fence shall be fastened securely to the upslope side of the posts using heavy duty wire staples at least one (1) inch long, tie wires or hog rings. The wire shall extend into the trench a minimum of two (2) inches and shall not extend more than 36 inches above the original ground surface.
- F. The standard strength filter fabric shall be stapled or wired to the fence, and eight (8) inches of the fabric shall be extended into the trench. The fabric shall not extend more than 36 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- G. When extra strength filter fabric and closer post spacing are used, the wire mesh support fence may be eliminated. In such a case, the filter fabric is stapled or wired directly to the posts with all other provisions of Subparagraph F above applying.
- H. The trench shall be backfilled and soil compacted over the filter fabric.
- I. Silt fences shall be removed when they have served their purpose, but not before the upslope area has been permanently stabilized.
- J. Silt fences and filter barriers shall be inspected immediately after each rainfall and at least daily during prolonged rainfall. Any required repairs shall be made immediately.

- K. Should the fabric on a silt fence or filter barrier decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly.
- L. Sediment deposits should be removed after each storm event. They must be removed when deposits reach approximately one-half the height of the barrier.
- M. Any sediment deposits remaining in place after the silt fence or filter barrier is no longer required shall be dressed to conform with the existing grade, prepared and seeded.

3.4 TEMPORARY MULCHING

A. Application

- 1. Mulch materials shall be spread uniformly, by hand or machine.
 - a. When spreading straw mulch by hand, divide the areas to be mulched into approx. 1000 sq. ft. sections and place approx. 90 lbs. of straw in each section to facilitate uniform distribution.

B. Mulch Anchoring

- 1. Straw mulch shall be anchored immediately after spreading to prevent windblow. One of the following methods of anchoring straw shall be used:
 - a. Mulch anchoring tool
 - 1. This is a tractor-drawn implement (mulch crimper, serrated straight disk or dull farm disk) designed to punch mulch approximately two(2) inches into the soil surface. This method provides maximum erosion control with straw. It is limited to use on slopes no steeper than 3:1, where equipment can operate safely. Machinery shall be operated on the contour.
 - b. Liquid mulch binders
 - 1. Application of liquid mulch binders and tackifiers should be heaviest at edges of areas and at crests of ridges and banks, to prevent windblow. The remainder of the area should have binder applied uniformly. Binders may be applied after mulch is spread; however, it is recommended to be sprayed into the mulch as it is being blown onto the soil. Applying straw and binder together is the most effective method.
 - 2. The following type of binder may be used:
 - a.) Asphalt - any type of asphalt thin enough to be blown from spray equipment is satisfactory. Recommended for use are rapid curing (RC-80, RC-250, RC-800), medium curing (MC-250, MC-800) and emulsified asphalt (SS-1, MS-2, RS-1 and RS-2). Apply asphalt at 4 gal./1000 ft.², 600 gal./acre. Do not use heavier applications as it may cause the straw to "perch" over rills.

- b.) Wood Fiber - wood fiber hydroseeder slurries may be used to tack straw mulch.
 - c. Mulch nettings
 - 1. Lightweight plastic, cotton or paper nets may be stapled over the mulch according to manufacturer's recommendations.
- C. Chemical Mulches
 - 1. Chemical mulches may be used alone only in the following situations:
 - a. Where no other mulching material is available.
 - b. In conjunction with temporary seeding during the times when mulch is not required for that practice.
 - 2. Chemical mulches may be used to bind other mulches or with wood fiber in a hydroseeded slurry at any time. Manufacturer's recommendations for application of chemical mulches shall be followed.
- D. Nets and Mats
 - 1. Nets may be used alone on level areas, on slopes no steeper than 3:1, and in waterways.
 - 2. When mulching is done in late fall or during June, July and August, or where soil is highly erodible, net should only be used in conjunction with an organic mulch such as straw.
 - 3. When net and organic mulch are used together, the net should be installed over the mulch except when the mulch is wood fiber. Wood fiber may be sprayed on top of the installed net.
 - 4. Excelsior blankets are considered protective mulches and may be used alone on erodible soils and during all times of the year.
 - 5. Other products designed to control erosion shall conform to manufacturer's specification and should be applied in accordance with manufacturer's instructions provided those instruction are at least as stringent as this specification.
 - 6. Staples will be made of plain iron wire, No. 8 gauge or heavier, and will be six (6) inches or more in length.
 - 7. Prior to installation:
 - a. Shape and grade as required the waterway, channel, slope or other area to be protected.
 - b. Remove all rocks, clods or debris larger than two (2) inches in diameter that will prevent contact between the net and the soil surface.
 - c. When open-weave nets are used, lime, fertilizer and seed may be applied either before or after laying the net. When excelsior matting is used, they must be applied before the mat is laid.
 - 8. Laying the Net:
 - a. Start laying the net from top of channel or top of slope and unroll down-grade.
 - b. Allow to lay loosely on soil - do not stretch.
 - c. To secure net: Upslope ends of net should be buried in a slot or trench no less than six (6) inches deep. Tamp earth firmly over net. Staple the net every twelve (12) inches across the top end.

- d. Edges of net shall be stapled every three (3) feet. Where two strips of net are laid side by side, the adjacent edges shall be overlapped three (3) inches and stapled together.
 - e. Staples shall be placed down the center of net strips at 3-foot intervals. Do not stretch net when applying staples.
9. Joining strips
 - a. Insert new roll of net in trench, as with upslope ends of net. Overlap the end of the previous roll eighteen (18) inches, turn under six (6) inches and staple across end of roll just below anchor slot and at the end of the turned-under net every twelve (12) inches.
 10. At bottom of slopes
 - a. Lead net out onto a level area before anchoring. Turn ends under six (6) inches and staple across end every twelve (12) inches.
 11. Check slots
 - a. On highly erodible soils and on slopes steeper than 4:1, erosion check slots should be made every fifteen (15) feet. Insert a fold of net into a six (6) inch trench and tamp firmly. Staple at twelve (12) inch intervals across the downstream portion of the net.
 12. Rolling
 - a. After installation, stapling and seeding, net should be rolled to ensure firm contact between net and soil.
 13. All mulches should be inspected periodically, in particular after rainstorms, to check for rill erosion. Where erosion is observed, additional mulch should be applied. Net should be inspected after rainstorms for dislocation or failure. If washouts or breakage occur, re- install net as necessary after repairing damage to the slope. Inspections should take place up until grasses are firmly established. Where mulch is used in conjunction with ornamental plantings, inspect periodically throughout the year to determine if mulch is maintaining coverage of the soil surface; repair as needed.

3.5 TEMPORARY SEEDING

- A. Site Preparation
 1. Grade as needed and feasible to permit the use of conventional equipment for seedbed preparation, seeding, mulch application and anchoring.
 2. Install the needed erosion control practices prior to seeding such as diversions, temporary waterways for diversion outlets and sediment basins.
- B. Seedbed Preparation
 1. Lime (in lieu of a soil test recommendation) shall be applied on acid soil (pH 5.5 or lower) and subsoil at a rate of 100 pounds per 1000 square feet or two tons per acre of agricultural ground limestone. For best results, make a soil test.
 2. Fertilizer (in lieu of a soil test recommendation) shall be applied at a rate of 12-15 pounds per 1000 square feet or 500-600 pounds per acre of 10-10-10 or 12-12-12 analysis or equivalent.

3. Work the lime and fertilizer into the soil with a disk harrow, springtooth harrow or similar tools to as depth of two inches. On sloping areas, the final operation shall be on the contour.

C. Seeding

1. Apply the seed uniformly with a cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry may include seed and fertilizer) preferably on a firm, moist seedbed. Seed wheat or rye no deeper than one (1) inch. Seed ryegrass no deeper than one-fourth ($\frac{1}{4}$) inch.
2. When feasible, except where a cultipacker type seeder is used, the seedbed should be firmed following seeding operations with a cultipacker, roller or light drag. On sloping land, seeding operations should be on the contour wherever possible.

D. Mulching

1. Mulch shall be applied to protect the soil and provide a better environment for plant growth.
2. Mulch shall consist of small grain straw (preferably wheat or rye) and shall be applied at the rate of two tons per acre or 100 pounds (two to three bales) per 1000 square feet.
3. Spread the mulch uniformly by hand or mechanically so the soil surface is covered.
4. Mulch Anchoring Methods
 - a. Mechanical - use a disk, crimper or similar type tool set straight to punch or anchor the mulch material into the soil.
 - b. Asphalt Emulsion - apply at the rate of 160 gallons per acre into the mulch as it is being applied.
 - c. Mulch Nettings - use according to the manufacturer's recommendations. Use in areas of water concentration to hold mulch in place.

E. Irrigation

1. If soil moisture is deficient, supply new seedings with adequate water for plant growth until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites.

END OF SECTION 015713

SECTION 024116 – STRUCTURE DEMOLITION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK

- A. This section includes all demolition of existing structures and removal of pavement, piping, and equipment necessary to clear space for new construction and/or to rehabilitate existing construction.

1.3 REQUIREMENTS OF REGULATORY AGENCIES

- A. State and local code requirements shall control the disposal of debris resulting from the removal operation.

1.4 PROTECTION

- A. Structures shall be removed in such a manner as not to damage portions of the existing structure which are to remain in place.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 PAVEMENTS, SIDEWALKS, CURBING, SIMILAR STRUCTURES

- A. Removal of existing pavements, sidewalks, curbing, and similar structures shall end at an existing joint or a sawed joint. Sawed joints shall be straight, neat and free from chipped or damaged edges.
- B. For removal of reinforced or nonreinforced concrete, the minimum depth of saw cut shall be 3 in.
- C. For removal of reinforced concrete, the depth of saw cut shall be sufficient to cut the steel.
- D. If the concrete is coated with a bituminous surface or other material, the depth shall be sufficient to cut into the concrete, not including the coating depth, as specified above.

3.2 EXCAVATION OF RIGID PAVEMENT

- A. The Contractor shall excavate rigid pavement, consisting of concrete or concrete base with a wearing surface of brick or bituminous concrete, wherever such excavation is required for the purpose of this Contract.
- B. Pavement shall be excavated to neat lines and, only to widths required for trenches, for pipe laying and for construction of structures. Adequate provision shall be made to prevent settlement and breakage of pavement beyond the approved limits of excavation.
- C. All pavement broken or damaged beyond the limits above stated, or the approved extension thereof, shall be replaced by the Contractor at his expense.

3.3 MANHOLES, CATCH BASINS, INLETS AND SIMILAR STRUCTURES

- A. Existing drainage structure designated by the Engineer to be removed shall be completely removed.
- B. Catch basins, inlets, and similar structures designated to be abandoned shall be removed to an elevation of at least 3 ft. below the finished subgrade or ground surface. The remaining void shall be filled with selected backfill material compacted to 100% optimum density per ASTM D 698.
- C. Manholes designated by the Engineer to be abandoned shall be adjusted to 1' below proposed ground grade and the casting welded closed or an 8" reinforced concrete slab placed over the manhole.
- D. Live sewers connected to structures removed or abandoned shall be rebuilt through the area with new pipe. Sewer flow shall be maintained between removal and replacement operations. Abandoned sewers shall be sealed and made watertight with approved precast stoppers or masonry bulkheads.
- E. All castings salvaged from abandoned or removed drainage structures shall remain the property of the Owner and shall be cleaned and transported by the Contractor to a site designated by the Engineer or incorporated in the work where called for on the Drawings, scheduled, or so directed.

3.4 GUARDRAIL AND FENCE

- A. Where so required by the Drawings, existing guardrail and fence shall be carefully dismantled and stored for reuse or for salvage by the Owner.
- B. Wood posts and other materials not considered salvageable by the Engineer shall be disposed of by the Contractor.
- C. The Contractor will be required to replace, at no cost to the Owner, material lost or damaged by negligence or by the use of improper methods.

3.5 SUPERSTRUCTURES, TANKS, CHAMBERS AND SIMILAR STRUCTURES

- A. Care shall be used in demolishing structural elements which are continuous with structural elements remaining in service. Concrete and masonry shall be cut with a masonry or concrete saw before removing unwanted portions.
- B. Methods and equipment used in demolition work shall be chosen so the structural integrity and watertightness of both newly constructed and existing plant structures remain unimpaired by the performance of the demolition work.
- C. Existing structures and equipment which are damaged in appearance and/or function by performance of demolition work shall be replaced or repaired to approved first-class condition by the Contractor at not increase in Contract Price.
- D. Extreme care shall be used when removing existing concrete from around reinforcing steel which must be used for securing new concrete. If this reinforcing steel is damaged, the Contractor shall remove additional existing concrete until sufficient existing reinforcing steel is exposed to provide adequate imbedment length in the new concrete, as approved by the Engineer.
- E. Abandoned pipes shall be sealed and made watertight with approved precast stoppers or masonry bulkheads.

3.6 EQUIPMENT REMOVAL

- A. All equipment, valves, piping, fittings, and miscellaneous steel structures that are removed shall remain the property of the Owner and shall be stored at site selected by the Owner. The Owner reserves the right to require the Contractor to dispose of certain unwanted portions of removed equipment and materials. The Owner shall have the right to reject any or all materials removed during construction, and the Contractor shall haul away and dispose of these materials in a suitable manner at no additional cost to the Owner.

3.7 DISPOSAL OF DEBRIS

- A. All debris resulting from demolition operations; i.e., broken concrete, masonry, pipe, miscellaneous metal, trees and brush, equipment, etc., shall be disposed of off-site.
- B. The Contractor shall police the hauling of debris to insure that all spillage from haul trucks is promptly and completely removed.

3.8 BACKFILLING

- A. All trenches, holes, and pits resulting from the removal and abandonment of any structure or obstruction shall be backfilled and compacted in accordance with the requirements of Section 312333.

END OF SECTION 024116

SECTION 034000.02 - PRECAST CONCRETE MANHOLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification Sections, apply to work of this section.

1.2 DESCRIPTION OF WORK

- A. Under this section, the Contractor shall furnish and construct precast concrete manholes, including drops and manhole stacks of types and at locations shown on the Drawings and/or scheduled.
- B. This section includes additional excavation to widen and deepen sewer trenches for manhole construction, furnishing and installing concrete of classes called for, brick, Portland cement mortar, reinforcing steel, precast concrete pipe, integral base sections, bottom riser sections, transition sections, riser sections, eccentric cones, flat slab tops and adjusting rings, flexible manhole connections, pipe for drop connections, plugging lifting holes, pointing joints, forming channels through manhole bottoms, making watertight connections to new and existing sewers, and other work incidental to manhole construction.

1.3 QUALITY ASSURANCE

- A. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work.

1.4 DEFINITIONS

- A. The various types of manholes are as shown on the Drawings or in the Standard Details.

1.5 SUBMITTALS

- A. Manufacturer's Shop Drawings and Certificates
 - 1. Precast Concrete Manhole Sections and Specials
 - 2. Flexible Joints
- B. Supplier's Certificates
 - 1. Reinforced Concrete Pipe Manhole Sections.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Precast Concrete Pipe Manhole Sections

1. Precast concrete pipe manhole sections, transition sections, eccentric cones, flat slab tops, and adjusting rings shall conform to ASTM Specification C 478. Reinforcing in transition sections shall be equal to that specified for wall sections of the larger diameter.
2. Joints shall be O-ring type conforming to ASTM Specification C 443.
3. The standard length of riser sections shall be 48 in. Lengths of 32 in. or 16 in. shall be used to meet required dimensions and as specified.
4. Openings for connecting pipes in riser sections, bottom riser sections, and integral base sections, and for access in flat slabs shall be preformed or cored by the manufacturer. Cut-out openings shall be made immediately after the pipe is removed from the casting form. All cored openings for sewer pipe connections shall have flexible joints.
5. Specified manhole steps shall be factory installed to provide a continuous ladder of 16 in. c/c rung spacing. Steps shall be placed in the forms and cast in pipe wall or placed immediately after the pipe is removed from casting and carefully mortared in place with nonshrink mortar to insure a watertight joint. If the outer surface of the pipe wall is pierced, the patch shall be completely covered with a bituminous sealer.
6. Where pressure tight manhole frames and covers are called for, threaded inserts shall be cast in eccentric cones or flat slab tops and holes formed or cored in adjusting rings to match bolt size and spacing specified for manhole casting.

B. Manhole frames, covers, and steps utilized shall comply with their respective specification.

C. Mortar

1. Mortar used for the structures herein specified shall conform to Specifications for Mortar for Unit Masonry, ASTM Designation C 270 Type S, containing no masonry cement. The mortar shall be composed of one part Portland cement to two parts sand by volume.
2. Materials for nonshrinking grout shall conform to CRD-C "Corps of Engineers Specifications for Non- Shrink Grout". Approved products are "Sauereisen F-100 Grout" by Sauereisen Cements Co.; "Five Star Grout" by U.S. Grout Corporation; "Masterflow 713" by Master Builders; "Euco N-S" by Euclid Chemical Company.

D. Flexible joints for precast manhole pipe openings herein specified shall conform to ASTM designation C 923, "A-Lok" Type as manufactured by A-Lok Products; or an approved equivalent.

E. The pipe and size for manhole drops shall conform to the Standard Details and its respective specification contained herein.

F. Brick used for catch basin and manhole construction shall conform to Specifications for Sewer and Manhole Brick (made from clay or shale), ASTM Designation C 32, and shall be Grade "MS" unless otherwise specified.

PART 3 - EXECUTION

3.1 LOCATION AND CONSTRUCTION

- A. Location and type of manhole installed shall be as shown on the Drawings or directed.
- B. Construction shall be in conformance with details shown on the Drawings and as specified under this section.

3.2 EXCAVATION

- A. Excavation for manhole construction shall be prepared as directed in the applicable paragraphs of Section 310000 Earthwork.

3.3 INSTALLATION OF INTEGRAL BASE SECTIONS

- A. Class B concrete shall be poured so as to provide a minimum of 4-in. thick pad under the entire area of the manhole base. Place the manhole on the pad before the concrete is completely set so that final leveling adjustment can be made.
- B. 6" Granular backfill bedding can be used in lieu of Class B concrete.

3.4 CHANNELING MANHOLE BOTTOMS

- A. The bottoms of all manholes shall be channeled to conduct flow in the planned direction. Channels shall be the true shape of the lower half of the sewer pipe and shall match inverts of connecting pipe at the manhole wall.
- B. In integral base sections (only) channels may be constructed using brick and Portland cement mortar. Mortar shall be 3/4-in. thick minimum between bricks and between bricks and concrete and 1-in. thick minimum on all exposed surfaces.

3.5 PRECAST CONCRETE RISER SECTIONS

- A. The shortest length of riser section to be incorporated into the manhole shall be installed immediately below the flat slab top.
- B. Pipe section joints shall be pointed and lifting holes filled with nonshrinking mortar.

3.6 SPECIAL PROVISIONS

- A. The intent of this section is to identify requirements only associated with improvements, or rehabilitation of existing sewerage manholes.
- B. The installation of bottom riser sections shall be as follows:

1. The base shall be of Class A concrete as specified in Section 030000 9 in. thick minimum placed on undisturbed earth.
 2. The cut-out riser section shall be blocked in place above the pipe and the concrete base poured in place. Concrete shall be extended above the lower rim of the riser wall as required to provide a watertight seal around the entire circumference of the riser section.
 3. On straight runs the Contractor may carry the sewer pipe through the manhole and break out the top half after the fill concrete has set. In all cases the sewer pipe shall extend through the manhole wall to the inside face.
- C. All manholes for sanitary sewers shall have an application of Thoro-Seal or other approved coating (any color but gray).

END OF SECTION 034000.02

PART 1 - GENERAL

1.1 SUMMARY

- A. The Work covered by this Section shall include all excavation, trenching and related work for the construction of the designated structures and pipelines, backfill and other incidental work.
- B. The Work covered by this Section consists of:
 - 1. making all necessary excavations for the construction of all Work;
 - 2. preparing subgrade for foundations, slabs, walks, and pavements;
 - 3. doing all pumping, fluming, and dewatering necessary to keep the trenches and other excavation free from water;
 - 4. providing for uninterrupted flow of existing drains and sewers, and the disposal of water from any sources during the progress of the Work;
 - 5. supporting and protecting all trench walls, structures, pipes, conduits, culverts, posts, poles, wires, fences, buildings and other public and private property adjacent to the Work;
 - 6. removing and replacing existing sewers, culverts, pipelines and bulkheads where necessary;
 - 7. removing after completion of the Work all sheeting and shoring or other soil support materials not necessary to support the sides of trenches;
 - 8. removing and disposing all surplus excavated material;
 - 9. doing all backfilling and grading, of compacting backfill to limits specified or ordered by the Engineer;
 - 10. restoring all property damaged as a result of the Work involved in this Contract.
- C. The Work includes transporting surplus excavated materials not needed for backfill at the location where the excavation is made, to other parts of the Work where filling is required, and disposal of all types of surplus material off the site.
- D. The Work includes:
 - 1. constructing a structure of soil or granular material in layers to a predetermined elevation and cross section;
 - 2. supporting and protecting all structures, pipes, conduits, culverts, posts, poles, wires, fences, buildings and other public and private property adjacent to the Work;
 - 3. placing all fill and performing rough grading;
 - 4. compacting fill to limits specified or ordered by the Engineer;
 - 5. restoring all property damaged as a result of the Work involved in this Contract.

1.2 RELATED DOCUMENTS AND SECTIONS

- A. Section 015713 - Temporary Erosion Control
- B. Section 030000 - Concrete Work
- C. Specific Project Requirements

1.3 DEFINITIONS

- A. Backfill: Soil or granular materials used to fill an excavation.
 - 1. Initial Backfill: Backfill placed beside and over pipe in a trench, not including haunches to support sides of pipe.
 - 2. Final Backfill: Backfill placed over initial backfill to fill a trench.
- B. Bedding: Layer placed over the excavated subgrade in a trench before laying pipe.
- C. Borrow: Satisfactory soil imported for use as fill or backfill.
- D. Excavation: Removal and disposal of material encountered above subgrade or foundation elevations.
 - 1. Additional Excavation: Excavation below subgrade or foundation elevations as directed by Engineer.
 - 2. Trench: Narrow linear excavation
 - 3. Unauthorized Excavation: Excavation below subgrade or foundation elevations or beyond indicated dimensions without direction by Engineer. Unauthorized excavation, as well as remedial work directed by Engineer, shall be without additional compensation.
 - 4. Unclassified Excavation: Excavation to subgrade elevations regardless of the character of surface or subsurface conditions encountered, including rock, soil materials and obstructions.
- E. Embankment: A structure consisting of soil, granular material, shale, rock, or other approved material, constructed in layers to a predetermined elevation and cross-section.
- F. Granular materials: Natural aggregate, such as broken or crushed rock, gravel, or sand that can be readily incorporated into an 8-inch layer, and in which at least 65% by weight of the grains or particles are retained in a No. 200 sieve.
- G. Laboratory Dry Weight: The maximum laboratory dry weight shall be the weight provided by the laboratory when the sample is tested in accordance with ASTM D-698 Method A, C, or D.
- H. Optimum Moisture: The water content at which the maximum density is produced in a soil by a given compaction effort (ASTM D-698).

- I. Pavement Prism: Also referred to as the zone of influence. The area below a line drawn 45 degrees to the horizontal from the surface at the edge of pavement, sidewalk or curb.
- J. Pipe Embedment: The material placed in a trench surrounding a pipe or conduit consisting of the foundation, bedding, haunching, and initial backfill.
- K. Rock: Rock material in beds, ledges, unstratified masses, and conglomerate deposits and boulders of rock material one (1) cu. yd. or more in volume that when tested by an independent geotechnical testing agency, according to ASTM D 1586, exceeds a standard penetration resistance of 100 blows/2 inches.
- L. Shale: Laminated material, formed by the consolidation in nature of soil, having a finely stratified structure. For the purpose of these specifications, the following bedrock types shall also be considered shale: mudstone, claystone, siltstone and hard clay.
- M. Soil: All earth materials, organic or inorganic, which have resulted from natural processes such as weathering, decay, and chemical reaction.
- N. Structures: Buildings, footings, foundations, retaining walls, slabs, tanks, curbs, pavement, mechanical and electrical appurtenances, or other man-made stationary features constructed above or below the ground surface.
- O. Subgrade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below subbase, drainage course, or topsoil materials.
- P. Utilities: On-site underground pipes, conduits, ducts, and cables, as well as underground services within buildings.

1.4 SUBMITTALS

- A. Comply with all provisions of Section 013323, Shop Drawings and Submittals.
- B. Product Data: For the following:
 - 1. Source-locations of all materials shall be identified to the Engineer.
 - 2. Source quality laboratory test of all fill materials as required to show compliance with material specifications.

1.5 REFERENCES

- A. AASHTO M 43 Standard Specification for Size of Aggregate for Road and Bridge Construction

- B. ASTM C-150 Standard Specification for Portland Cement
- C. ASTM C-618 Standard Specification for Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete
- D. ASTM D-698 Standard Test Methods for Moisture-Density Relations of Soils and Soil-Aggregate Mixtures Using 5.5-lb (2.49-kg) Rammer and 12-in. (305-mm) Drop
- E. ASTM D-1586 Standard Method for Penetration Test and Split-Barrel Sampling of Soils
- F. ASTM D-2487 Standard Test Method for Classification of Soils for Engineering Purposes
- G. ASTM D-2940 Standard Specification for Graded Aggregate Material for Bases or Subbases for Highways or Airports
- H. ASTM D-4253 Standard Test Method for Maximum Index Density and Unit Weight of Soils Using a Vibratory Table
- I. ASTM D-4254 Standard Test Method for Minimum Index Density and Unit Weight of Soils and Calculation of Relative Density
- J. State of Ohio - Department of Transportation - Construction and Material Specifications, Item 304, Aggregate Base.
- K. State of Ohio - Department of Transportation - Construction and Material Specifications, Material Detail 703.16, Suitable Materials for Embankment Construction.
- L. State of Ohio - Department of Transportation - Construction and Material Specifications, Material Detail 703.02.A.2, Fine Aggregate for Portland Cement Concrete

1.6 QUALITY ASSURANCE

- A. Qualifications
- B. Regulatory Requirements
- C. Certifications
- D. Field Samples
- E. Mock-ups
- F. Pre-Construction Conference

1.7 PROJECT CONDITIONS

A. Existing Conditions

1. Existing ground elevations of the site are shown by figures and/or by contours on the Drawings. The contours and elevations of the present ground are believed to be reasonably correct, but do not purport to be absolutely so, and, together with any schedule of quantities, are presented only as an approximation. The Contractor shall satisfy himself, however, by actual examination on the site of the Work, as to the existing elevations and contours, and the amount of work required.

B. Existing Utilities

1. Do not interrupt utilities serving facilities occupied by Owner or others unless permitted in writing by Engineer and then only after arranging to provide temporary utility services according to requirements indicated.
2. Notify Engineer not less than two days in advance of proposed utility interruptions.
3. Do not proceed with utility interruptions without Engineer's written permission.
4. Contact utility-locator service for area where Project is located before excavating.

PART 2 - PRODUCTS

2.1 GRANULAR PIPE EMBEDMENT

- A. Crushed gravel or crushed limestone meeting AASHTO M 43 gradation shall be used for bedding, haunching, and initial backfill as shown on the Drawings.

2.2 ONSITE BACKFILL

- A. Excavated soil material, capable of meeting specified compaction, and approved by the Engineer for use as backfill in designated locations.
- B. Based upon subsurface investigation, the Owner does not guarantee the onsite soils in its present state consists of the proper moisture content to achieve the specified compaction without drying or adding water.
- C. Unsuitable Backfill Material
 1. Onsite materials that are unsuitable for backfill, unless otherwise specifically shown in the Drawings, include rock or other materials greater than six (6) inches in their largest dimension, pavement, rubbish, debris, wood, metal, plastic, frozen earth, and the following soils classified per ASTM D-2487:

<u>Symbol</u>	<u>Description</u>
OL	Organic silts and organic silty clays of low plasticity

MH	Inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts
CH	Inorganic clays of high plasticity, fat clays
OH	Organic clays of medium to high plasticity
PT	Peat, muck, and other highly organic soils

2.3 SPECIAL BACKFILL MATERIAL (ODOT Item 304)

- A. Special backfill material shall meet the gradation requirements of ODOT Item 304 and shall consist of crushed gravel or crushed limestone in combination with natural sand or stone. The aggregate shall meet the following gradation requirements:

<u>Sieve</u>	<u>Total Percent Passing</u>
2 inch	100
1 inch	70-100
¾ inch	50-90
No. 4	30-60
No. 30	9-33
No. 200	0-15

2.4 LOW STRENGTH MORTAR BACKFILL

- A. Low Strength Mortar shall comply with ODOT Item 613.
- B. Submit test data that demonstrates that the proposed mix has a strength of 50 to 100 PSI at 28 days.
- C. Each load shall be tested with 3 cylinders for strength test broken at 3, 7, and 28 days until the Engineer is assured that the mix will be between 50 to 100 PSI at 28 days. Thereafter, one set of strength tests shall be taken every 50 CY.

It is intended that the sand be fine enough to stay in suspension in the mixture to the extent required for proper flow. The Engineer reserves the right to reject the sand if a flowable mixture cannot be produced.

- D. Mortar Mix Proportioning
- The initial trial mixture shall be as follows:

Quantity of Dry Materials per Cubic Yard

Cement	100 lbs.
Fly Ash	250 lbs.
Sand (SSD)*	2700 lbs.
Water	500 lbs.

* saturated-surface dry

2. These quantities of materials are expected to yield approximately 1 cubic yard of mortar of the proper consistency. Adjustments of the proportions may be made providing the total absolute volume of the materials is maintained.

2.5 EMBANKMENTS

- A. Soils suitable for use in an embankment must conform to ODOT 703.16 and are restricted as follows:
 1. Maximum laboratory dry weight shall not be less than 90 pounds per cubic foot, except that soils having maximum dry weights of less than 100 pounds per cubic foot shall not be used in the top 12 inches of embankment.
 2. Soil having a liquid limit in excess of 49 are considered as unsuitable for use in an embankment.
 3. Silt from excavation or borrow identified as Ohio Classification A-4b shall be considered suitable for use in an embankment only when placed at least 3 feet below the surface of the subgrade.
 4. No slag, recycled Portland cement concrete or recycled asphaltic concrete products are suitable for use in an embankment.
 5. Do not use any suitable material that cannot be incorporated in an 8-inch lift in the top 2 feet of the embankment.
 6. Do not use shale, hard shale, or siltstone in the top 2 feet of embankment.
 7. Do not use materials that cannot be satisfactorily placed and compacted to a stable and durable condition.
 8. Material excavated in the work that contains excessive moisture is unsuitable for embankment construction unless dried. Dry or aerate such material before incorporating in the work. The Contractor may elect to waste this material, instead of drying it.
 9. Granular material Type E as specified in ODOT 703.16.C, is not allowed.
 10. No petroleum contaminated soils are suitable for use in an embankment.

PART 3 - EXECUTION

3.1 PROTECTION

- A. Excavation; Temporary Sheet piling, Shoring, and Bracing
 1. All excavation shall be in accordance with the Occupation Safety and Health Administration (OSHA) regulations.
 2. The Contractor shall furnish and install adequate sheet piling, shoring, and bracing to maintain safe working conditions, and to protect newly built work and all adjacent neighboring structures from damage by settlement.
 3. Bracing shall be arranged so as not to place a strain on portions of completed work until construction has proceeded enough to provide ample strength. Sheet piling and bracing may be withdrawn and removed at the time of backfilling, but the Contractor shall be responsible for all damage to newly built work and adjacent and neighboring structures.
 4. All sheet piling shall be removed unless specifically authorized in writing by the Engineer to be left in place.

- B. Construction Sheeting Left in Place
 - 1. The Contractor shall furnish, install, and leave in place construction sheeting and bracing when specified or when indicated or shown on the Drawings.
 - 2. Any construction sheeting and bracing which the Contractor has placed to facilitate his work may be ordered in writing by the Engineer to be left in place. The right of the Engineer to order sheeting and bracing left in place shall not be construed as creating an obligation on his part to issue such orders. Failure of the Engineer to order sheeting and bracing left in place shall not relieve the Contractor of his responsibility under this Contract.

3.2 REPLACING, MOVING AND REPAIRING OF EXISTING UTILITIES

- A. The Contractor shall:
 - 1. replace, move, repair and maintain all utilities and all other structures encountered in the work
 - 2. coordinate and communicate with applicable utility companies
 - 3. repair all damage done to any of the said structures and appurtenances through his acts or neglect and shall keep them in repair during the life of this contract. The Contractor shall in all cases leave them in as good condition as they were previous to the commencement of the work and to the satisfaction of the Engineer.

3.3 DEWATERING

- A. Drainage and Removal of Water
 - 1. The Contractor shall dispose of water from the Work in a suitable manner without damage to adjacent property or structures.
 - 2. The Contractor shall, when ordered by the Engineer, construct tight bulkheads across trench and provide pumps suitable for the removal of any water which may be encountered or which may accumulate in the trenches. Unless otherwise provided for in the Contract Documents, drainage water will not be permitted to flow through the conduit.
 - 3. The trench shall be kept free from sewage and storm, surface, and subsurface water to at least 2 feet below the bottom of the excavation.
 - 4. Where open water courses, ditches, or drain pipes are encountered during the progress of the Work, the Contractor shall provide protection and securing of the continuous flow in such courses or drains and shall repair any damage that may be done to them.

3.4 EXCAVATION CLASSIFICATION

- A. All excavated materials are unclassified as defined in Article 1.3.

3.5 GENERAL EXCAVATION

- A. All necessary excavation for buildings, structures, pavements, and site improvements shall be performed to accommodate the completion of all related Contract Work.
- B. The Drawings show the horizontal and the lower limits of structures. The methods and equipment used by the Contractor when approaching the bottom limits of excavation shall be selected to provide a smooth surface and to prevent disturbing the soil below the bottom limits of excavation. All soil loosened during excavation shall be removed from the bottom of the excavation.
- C. Conform to elevations and dimensions shown within a tolerance of plus or minus 0.10 feet, and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, other construction, and for inspection.
- D. Excavation which is carried below the bottom limits of structures shall be classified as Unauthorized Excavation, unless said excavation below bottom limits of structures has been authorized by the Engineer prior to each occurrence.

3.6 TRENCH EXCAVATION

- A. Excavation for trenches in which pipelines, sewers, and conduits are to be installed shall provide adequate space for workmen to space and joint pipe properly, but in every case the trench shall be kept to a minimum width. The width of trench shall not exceed the limits shown on the Drawings.
- B. Excavation shall be to the depth necessary for placing of granular bedding material under the pipe as shown on the Drawings. If over-excavation occurs, the trench bottom shall be filled to grade with compacted granular bedding material.
- C. Trenching operations shall not be performed beyond the distance that will be backfilled and compacted the same day.
- D. In general, backfilling shall begin as soon as the conduit is in approved condition to receive it and shall be carried to completion as rapidly as possible. New trenching shall not be started when earlier trenches need backfilling or the surfaces of streets or other areas need to be restored to a safe and proper condition.

3.7 EXCAVATION OF UNSUITABLE MATERIALS

- A. Unsuitable materials existing below the Contract bottom limits for excavation shall be removed as directed by the Engineer. Such excavation shall not exceed the vertical and lateral limits as prescribed by the Engineer.

- B. In utility trenches, the voids left by removal of unsuitable excavated material shall be filled with AASHTO M 43 No. 1 and No. 2 aggregate conforming to the material requirements of Article 2.1 of this Section.
- C. In excavations other than utility trenches, the voids left by removal of unsuitable excavated material shall be filled with material consisting or either: (1) Special Backfill Material; (2) Class B concrete; or (3) Low Strength Mortar Backfill, whichever is ordered by the Engineer.
- D. Removal of unsuitable excavated material and its replacement as directed will be paid on basis of Contract Conditions relative to Changes in Work unless specific unit prices have been established for excavation of unsuitable material.

3.8 DISPOSAL OF UNSUITABLE AND SURPLUS MATERIAL

- A. It shall be the responsibility of the Contractor to dispose of all surplus material that cannot be used in backfill or embankments at his expense outside the limits of the project. Unsuitable excavated material, including rock or large boulders, shall be disposed of outside the limits of the project.
- B. Surplus material may be wasted adjacent to or incorporated in the regular construction only when ordered in writing by the Engineer.

3.9 BACKFILL

- A. Pipelines, Sewers and Conduits
 1. All pipe shall have bedding extending the width of the trench with depth in conformance with the Drawings. The bedding material shall be thoroughly compacted by tamping until no further densification is possible.
 2. Pipe cover material shall be used for filling above the pipe bedding along the sides of the pipe and to a height of twelve (12) inches over the top of the pipe. The pipe cover material shall be brought up evenly on both sides of the pipe to eliminate the possibility of lateral displacement of the pipe and shall be thoroughly compacted by tamping until no further densification is possible. Care shall be taken to spade the aggregate under the pipe haunch below the spring line.
 3. All trenches and excavations shall be backfilled immediately after pipe is laid therein, unless otherwise directed by the Engineer.
 4. After the pipe cover has been placed and compacted around the pipe as specified above, the remainder of the trench may be backfilled by machine. The backfill material shall be deposited in eight (8) inch horizontal layers, and each layer shall be thoroughly compacted to the specified density by approved methods before a succeeding layer is placed. In no case will backfilling material from a bucket be allowed to fall directly on a pipe and in all cases the bucket must be lowered so that the shock of the falling earth will not cause damage.

5. Puddling of sand bedding and pipe cover material is acceptable provided an acceptable method for removal of water is provided.
- B. Structures
1. Backfilling shall not commence before concrete has attained specified strength. Do not use equipment for backfilling and compaction operations against structures that will overload the structure.
 2. Backfilling around and over structures shall be carefully placed and tamped with tools of suitable weight to a point one (1) foot above the top of same. Additional backfill may be required to protect the structure from damage from heavy equipment. Backfill shall be placed in uniform layers not exceeding eight (8) inches in depth. Each layer shall be placed, then carefully and uniformly compacted to the specified density so as to eliminate the possibility of displacement of the structure.
 3. After the backfill has been placed and compacted around the structure to the height specified above, the remainder may be backfilled by machine. The backfill material shall be deposited in eight (8) inch horizontal layers, and each layer shall be thoroughly compacted to the specified density by approved methods before a succeeding layer is placed. In no case will backfilling material from a bucket be allowed to fall directly on a structure, and in all cases the bucket must be lowered so that the shock of the falling earth will not cause damage.
- C. Where any new, proposed, or future pavement, driveway, parking lot, curb, curb and gutter, or walk is to be placed over a backfilled area, Special Backfill material shall be used for any portion of the trench falling within the pavement prism.
- D. Where it is necessary to undercut or replace existing utility conduits and/or service lines, the excavation beneath such lines shall be backfilled the entire length with approved Granular Pipe Embedment Material compacted in place in eight (8) inch layers to the required density. The approved Granular Pipe Embedment Material shall extend outward from the spring line of the conduit a distance of two (2) feet on either side and thence downward at its natural slope.

3.10 LOW STRENGTH MORTAR BACKFILL

- A. Low strength mortar backfill shall be discharged from the mixer as recommended by the supplier and approved by the Engineer.
- B. Low strength mortar backfill may be placed in the trench in as few lifts as may be practical.
- C. Secure conduit or pipelines before placing low strength mortar backfill to prevent conduits and pipelines from floating during backfilling.
- D. For low strength mortar backfill placed against existing structures of unknown strength, backfill material shall be brought up uniformly in maximum 12 inch lifts and allowed to cure for a minimum of 24 hours or until it can carry a person's weight without leaving imprints before the next lift is placed.

- E. Low strength mortar backfill shall be brought up to subgrade elevation or the pavement prism, whichever may be applicable.

3.11 EMBANKMENT

- A. In making fill for embankment, the surface of the existing ground shall be cleared, grubbed, stripped of organic material, plowed, compacted according to the requirements specified in this Section, and stepped on slopes so as to enable bond or firm bearing for the new fill. The materials for these fills shall be selected of approved materials free from organic matter and placed in horizontal layers not exceeding eight (8) inches in thickness when loose, each layer being thoroughly compacted. Materials shall not be placed when fill or foundation is frozen.
- B. Where fill is to be placed on side slopes steeper than one (1) vertical to six (6) horizontal, steps shall be formed into the slope before any embankment is placed. These steps shall be cut at vertical intervals at no more than two (2) feet and shall have a horizontal dimension of not less than three (3) feet.
- C. As fill progress, the top shall be kept crowned or sloped for drainage. No pavement shall be placed upon embankment until it meets compaction testing requirements.
- D. Fills that abut or contain concrete or masonry structures shall be placed with care to avoid undue or unbalanced loads on these structures.
- E. Following the completion of embankment, all slopes shall be neatly and evenly dressed to proper elevation, grade and dimension.

3.12 SUBGRADE

- A. All soil subgrade shall be prepared in accordance with this subsection.
- B. Drainage
 - 1. The surface of the subgrade shall be maintained in a smooth condition to prevent ponding of water after rains to insure the thorough drainage of the subgrade surface at all times.
- C. Unsuitable Subgrade
 - 1. Where unsuitable subgrade or subgrade not meeting the required bearing capacity is encountered in cuts, due to no fault or neglect of the Contractor, in which satisfactory stability cannot be obtained by moisture control and compaction, the unstable material shall be excavated to the depth required by the Engineer.
 - 2. Suitable material required for the embankment to replace the undercut will be paid on basis of Contract Conditions relative to changes in Work.
 - 3. Where soft subgrade in cuts is due to the failure of the Contractor to maintain adequate surface drainage as required in this article, or is due to any other

fault or neglect of the Contractor, the unstable condition shall be corrected as outlined above at no expense to the Owner.

D. Full Width New Pavement Construction

1. After the surface of the subgrade has been shaped to approximate cross section grade, and before any pavement, base or subbase material is placed thereon, the subgrade shall be compacted. When the rolling is completed, all surface irregularities shall be corrected and the surface of the subgrade shall be shaped as necessary to conform to the grade and cross section shown on the Drawings within the tolerance set forth in this Section and shall be so maintained until the overlying course is in place.

3.13 TOLERANCES

- A. The Contractor shall check the work under this item with templates, slope boards or other devices satisfactory to the Engineer. The completed work shall conform to the Drawings within the following tolerances:
 1. For subgrade, the surface shall at no place vary more than ½ inch from a ten-foot straight edge applied to the surface parallel to the centerline of the pavement, nor more than ½ inch from subgrade elevation established by construction layout stakes.

3.14 CONSTRUCTION WITH MOISTURE AND DENSITY CONTROL

- A. All backfill and embankments, except rock embankments, shall be constructed using moisture and density control. All subgrade, except rock and shale in cut sections, shall be constructed using moisture and density control.
- B. Backfill, embankment and subgrade material which does not contain sufficient moisture to be compacted in accordance with the requirements of Article 3.17 of this Section shall be sprinkled with water as directed by the Engineer to bring the moisture content to within the range of optimum plus or minus three (3) percent. Water shall be thoroughly incorporated into the material by means of discs or other approved equipment.
- C. Backfill, embankment and subgrade material containing excess moisture shall be dried, prior to installation, to a moisture content not greater than three (3) percentage points above optimum, except that for material within the moisture content range specified herein that displays pronounced elasticity or deformation under the action of loaded construction equipment, the moisture content shall be reduced to optimum or below if necessary to secure stability. For subgrade material, these requirements for maximum moisture shall apply at the time of compaction of the subgrade and also at the time of placing pavement or subbase. Drying of wet soil shall be expedited by the use of plows, discs, or by other approved methods when so ordered by the Engineer.

3.15 PROOF ROLLING

- A. Proof rolling shall be performed on areas described on the Drawings or as directed by the Engineer.
- B. Proof rolling equipment shall consist of a single unit, tandem axle dump truck capable of being loaded to 30,000 pound axle load with a gross vehicle weight of 60,000 pounds. Tire pressure shall be maintained at 90 psi. Loading shall be verified by a certified weight slip.
- C. Procedure
 1. The designated areas of subgrade, prior to the placing of the overlying course, shall be compacted to requirement of this Section. The Contractor shall be responsible for performing a minimum of two (2) proof rollings of the subgrade, as directed by the Engineer, prior to paving. The first proof rolling shall be performed after the installation of underground improvements and rough grading has been completed. After fine grading and just prior to paving, the subgrade shall be proof rolled again. The proof roller shall operate in a systematic manner so that the number of coverages over all areas can be readily determined and recorded. Maximum spacing shall not exceed six (6) feet.
 2. Moisture content of the subgrade at the time of proof rolling shall conform to the requirements of this Section.
 3. The equipment shall be operated at the speed directed, but in no case shall the speed exceed five (5) miles per hour, and the normal operating speed shall not be less than two (2) miles per hour.
 4. Where the operation of the proof roller shows the subgrade to be unstable or to have non-uniform stability, the Contractor shall correct the unstable areas so that the stability of the subgrade will be uniform and satisfactory. The subgrade shall then be checked for conformance to the plan lines and any irregularities of the surface caused by operation of the proof roller shall be corrected and the subgrade shall be shaped to the plan lines within the tolerances specified in this Section.
 5. The proof roll is a subjective test and does not relieve the Contractor of his responsibility under the Contract to provide an acceptable subgrade.
 6. If the subgrade fails due to the Contractor using it as a haul road or due to his negligence, the subgrade shall be repaired, retested, and proof rolled again at no additional cost to the Owner.

3.16 COMPACTION REQUIREMENTS

- A. The bottom of excavations upon which concrete foundations or structures are to be placed shall be compacted so as to obtain 100% of maximum dry density per ASTM D-698 in the top twelve (12) inches.

- B. The top twelve (12) inches of stripped original subgrade and final subgrade shall be compacted to not less than 100% of maximum dry density per ASTM D-698.
 - 1. Subgrade under new, proposed, or future pavement shall be compacted 18 inches beyond the edge of pavement, paved shoulders or paved medians.
- C. Compaction of subgrade for sidewalks (regardless of paving material) shall be 100% of maximum dry density per ASTM D-698 in the top six (6) inches.
- D. Compaction of non-paved areas shall be 90% of maximum dry density per ASTM D-698.
- E. Aggregate pipe embedment and aggregate backfill around structures shall be compacted to not less than 100% of maximum dry density per ASTM D-4253 and ASTM D-4254.
- F. Final backfill shall be compacted to not less than 100% of maximum dry density per ASTM D-698.
- G. Fill placed within the interior of structures shall be compacted to not less than 100% of maximum dry density per ASTM D-698.
- H. Embankment shall be placed and compacted in layers until the density is not less than the percentage of maximum dry density indicated in the following table determined by ASTM D-698.

EMBANKMENT SOIL COMPACTION REQUIREMENTS

Maximum Laboratory Dry Weight <u>Pounds/Cubic Foot</u>	Minimum Compaction Requirements Percent Laboratory <u>Maximum</u>
90-104.9	102
105-119.9	100
120 and more	98

- I. Test Sections
 - 1. If it is determined by the Engineer that the composition of the material is such that it cannot be tested for density using a nuclear densometer or other methods; or where, in the opinion of the Engineer, in-place compaction testing is not feasible; and if approved by the Engineer, the Contractor may construct a test section to demonstrate acceptable compactive effort in lieu of in-place compaction testing. Test sections shall be constructed at no additional cost to the Owner.
 - 2. The test section shall be completed by repeatedly compacting the material until no further density is achieved. This value shall be the Minimum Test Section Density (MTSD). The compaction equipment used to complete the

test section shall be of suitable size to compact the material and shall be the same equipment used to compact the in-place material.

3. The test section shall be constructed with moisture density control as specified in this Section.
4. The material shall be compacted to at least 98% of the MTSD.
5. Each lift of in-place fill or backfill shall be densified using a compactive effort equal to or greater than the effort applied to achieve the MTSD; i.e., if six passes were required to achieve MTSD, then each lift of material shall be compacted using six or more passes.
6. Construct a new test section when, in the opinion of the Engineer, the fill or backfill material has changed character or when the supporting material has changed character.

3.17 GRADING

- A. Uniformly grade areas to a smooth surface, free of irregular surface changes. Comply with compaction requirements and grade to cross sections, lines, and elevations indicated.
 1. Provide a smooth transition between adjacent existing grades and new grades.
 2. Cut out soft spots, fill low spots, and trim high spots to comply with required surface tolerances.
- B. Site Grading
 1. Slope grades to direct water away from buildings and to prevent ponding. Finish subgrades to required elevations within the following tolerances:
 - a. Lawn or unpaved areas shall be graded to plus or minus 1 inch.
 - b. Walks shall be graded to plus or minus 1 inch
- C. Grading inside Building Lines
 1. Finish subgrade to a tolerance of 1/2 inch when tested with a 10-foot straightedge.

END OF SECTION 310000

SECTION 312323.13 – COMPACTED BACKFILL

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK

- A. The Contractor shall furnish, place and compact all the materials needed from select excavated materials or furnish additional suitable material if the excavated material is deemed unsuitable or the moisture content is not or can not be made to be within acceptable tolerances of optimum moisture to achieve the specified compaction.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Suitable excavated material as specified in ODOT Item 203.

PART 3 - EXECUTION

3.1 PLACING

- A. Compacted backfill shall be properly placed in layers sufficient to meet the compaction requirement of 95% of maximum laboratory dry density per ASTM D 698 throughout the entire layer and thoroughly compacted with mechanical compaction equipment with moisture adjustment as needed. Should after settlement occur, the Contractor must add and compact additional material, and he must maintain the backfill at the required finished grade or sub-grade until the project is satisfactorily completed and during the correction period.
- B. Approved mechanical compaction equipment shall be used for tamping backfill. Flooding, jetting or puddling of backfill will not be permitted.

END OF SECTION 312323.13

SECTION 312333 - UNDERGROUND CONDUIT INSTALLATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. The Construction Drawings and General Provisions of this Contract including the General and Supplementary Conditions, Specific Project Requirements, Proposal, and all referenced standard specifications apply to work defined in this section.

1.2 DESCRIPTION

- A. This work shall consist of the construction or reconstruction of underground pipe conduits in accordance with these specifications and in reasonable close conformance to the lines and grades shown on the detailed plans or as otherwise established by the Engineer.
- B. This work shall include excavating for the conduit, fittings, and appurtenances; clearing and grubbing and removal of all materials necessary for placement of the conduit except any items paid for separately; furnishing and placing bedding and backfill as required; constructing and subsequently removing all necessary cofferdams, cribs and sheeting; pumping and dewatering; making all conduit joints as required; installing all necessary conduit; joining to existing and proposed appurtenances as required; performing leakage tests as required; restoration of all disturbed facilities and surfaces. The work shall also include the maintenance of existing flow and service to facilities being modified. Procedures for such maintenance shall be as approved by the Engineer prior to any work commencing.

PART 2 - MATERIALS

2.1 CONDUIT

- A. All conduit utilized shall be of one type and size specified in the proposal meeting the requirements of the detailed material specification.
- B. Shop drawings, catalog cuts, and test certifications may be required by the Engineer for all conduit, fittings, and appurtenances.
- C. Aggregate for the bedding and backfill shall conform to the requirements of the plan detail or as modified in writing by the Engineer. All aggregates shall conform to ODOT 703 for soundness and gradation.
- D. All other materials utilized as part of this work shall meet their respective ASTM requirements.

PART 3 - EXECUTION

3.1 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

A. Pavement, Sidewalks, and Curbing

1. Removal of existing pavements, sidewalks, curbing, and similar structures shall end at an existing joint or a sawed joint. Sawed joints shall be straight, neat, and free from chipped or damaged edges.
2. For non-reinforced concrete, the saw cut shall be completely through concrete.
3. For reinforced concrete, the saw cut shall be completely through the steel and concrete.
4. If the concrete is coated with a bituminous surface or other material, the saw cut shall be as specified above.

B. Manholes, Catch Basins, and Inlets

1. Existing drainage structures and sanitary manholes designated by the Engineer to be removed shall be completely removed.
2. Manholes designated to be abandoned shall be removed to an elevation of at least 3 ft. below the finished subgrade or ground surface. The remaining void shall be filled with backfill material in accordance with Section 312323.13 - Compacted Backfill.
3. Live sewers connected to structures removed or abandoned shall be rebuilt through the area with new conduit. Sewer flow shall be maintained between removal and replacement operations. Abandoned sewers shall be sealed and made watertight with approved precast stoppers or masonry bulkheads.
4. All castings salvaged from abandoned or removed structures shall remain the property of the Owner and shall be cleaned and transported by the Contractor to a nearby site designated by the Owner or incorporated in the work where called for on the drawings.

C. Guardrail and Fence

1. Where necessary, existing guardrail and fence shall be carefully dismantled and stored for reuse or for salvage by the Owner.
2. Posts and other materials not considered salvageable by the Engineer shall be disposed of by the Contractor.
3. The Contractor will be required to replace, at no cost to the Owner, material lost or damaged by negligence or by the use of improper methods.

3.2 METHOD OF EXCAVATION

- A. All excavation shall be in open cut unless otherwise permitted by the Engineer. Loosening of material by blasting will not be permitted without written authorization by the Owner specifying both the extent and location of the blasting to be done. If permission is granted the Contractor shall submit in writing his means and methods of blasting to the Owner for approval. Blasting shall not begin until the Owner issues written approval of the means and method of blasting.

- B. Excavation shall be made to undisturbed finish subgrade to the depth below the bottom of the conduit or structure as shown on the Contract Drawings details.
- C. Trenches shall be excavated with vertical sides from the bottom of the trench to one (1') foot above the top of the conduit from which point sides may slope to ground surface, except that, in streets or roadways, trenches shall be excavated with near vertical sides to the top of the trench. Width of trench in the vertical section shall be excavated only as wide as necessary to accommodate a safety box and to provide free working space on each side of the conduit or structure according to the size of the conduit or structure and the character of the ground. In every case there shall be sufficient space between the conduit or structure and the sides of the trench to make it possible to thoroughly ram the bedding around the conduit or structure and to secure tight conduit joints, but in no case more than twelve inches on either side of conduit. In no case, however, shall the width of the trench at the top of the conduit exceed the dimensions as shown on the contract drawings. In no case will it be permitted to excavate conduit trenches with sides sloping to the bottom.
- D. The trench bottom shall be firm and uniform for its full length. Should unstable material be encountered below plan subgrade, it shall be removed to a depth directed by the Engineer. Replacement of the additional excavation shall be with the specified bedding material or as otherwise directed by the Engineer.
- E. In the case the flow line is changed not to exceed one (1) foot or it becomes necessary to remove unstable material in an amount not to exceed one (1) foot, the same shall be done at one contract bid price or amount. When the flow line is lowered more than (1 foot) or if it becomes necessary to remove more than (1 foot) of unsuitable material below the bottom of the trench, compensation will be provide therefore in a supplemental agreement for the excavation and backfill beyond (1 foot).

3.3 UNAUTHORIZED EXCAVATIONS

- A. All excavations carried outside of the lines and grades given or specified, together with the disposal of such material, and all excavations and other work resulting from slides, cave-ins, swellings or upheavals shall be at the Contractor's own cost and expense. All spaces resulting from unauthorized excavations or from slides or cave-ins shall be refilled at the Contractor's expense with suitable material as specified in ODOT Item 203, "Roadway Excavation and Embankment" or Section 312323.13, "Compacted Backfill" in designated areas shown on the contract drawings or specified under this Section. Compaction requirements shall be in accordance with these specifications.

3.4 SHEETING AND SHORING

- A. The Contractor shall be responsible for supporting and maintaining all excavations required even to the extent of sheeting or shoring the sides and ends of excavations with timber or other satisfactory supports. If the sheeting, braces, shores, stringers, waling timbers, or other supports are not properly placed or are insufficient, the Contractor shall provide additional or stronger supports. The requirements of sheeting or shoring or of the addition of supports shall not relieve the Contractor of his responsibility for their sufficiency. All trench protection and sheeting and shoring must conform to the regulations of both the

Ohio State Industrial Commission (OSIC) and the Federal Occupational Safety and Health Act (OSHA) and will be subject to their respective inspections. All orders of OSIC and OSHA representatives must be complied with by the Contractor.

- B. All sheeting and shoring shall be removed where and when required and, upon its removal, all voids filled. If any sheeting or shoring is ordered to be left in place, it shall be cut-off as directed. In compensation for the sheeting and shoring left in place, if any, shall be by prior written change order.

3.5 REMOVAL OF WATER

- A. All conduit shall be installed in a dry and stable trench. The Contractor may pump or otherwise remove any water, sewage, or other liquid that may be found or may accumulate in the trench.
- B. If, in the opinion of the Contractor, dewatering pumps and equipment are required to maintain a dry and stable trench, suitably sized pumps shall be provided to meet the requirements. The manner and spacing of well points shall be at the Contractor's discretion.
- C. Excess water shall not be considered reason for undercut of trench bottom.
- D. The Contractor shall maintain the pumps for the duration of their need including a satisfactory discharge outlet. Power for the pumps shall be electric unless otherwise approved by the Engineer. Noise abatement may be required for any on-site generators in residential areas.

3.6 BEDDING FOR LAYING CONDUIT

- A. Bedding shall conform to the requirements of the plan detail unless otherwise modified by the Engineer.
- B. All granular bedding material shall be compacted to 95 percent of maximum laboratory dry density.
- C. All pipe bedding shall be of the gradation(s) specified and be limestone. Slag may not be used and gravel may be used with permission of the Engineer.

3.7 LAYING CONDUIT

- A. Except as otherwise permitted by the Engineer, all conduit shall be laid starting at the outlet end. Pressure conduits may be laid from either direction however the joints shall be such that the bell is upgrade or toward normal pressure.
- B. Line and grade for gravity conduits shall be established by the use of sufficient means to maintain acceptable installation tolerances and allow for reasonable checking observation by the Engineer.

- C. Line and grade shall be established and maintained over a length of fifty (50) feet minimum. Cut sheets establishing grade at fifty (50) foot intervals shall be provided to the Engineer prior to beginning work.
- D. The Contractor shall provide sufficient equipment and workers to safely handle and lay all conduit included as part of this work. All storage of materials shall be in a manner as to avoid damage to either surface prior to placement.
- E. The Contractor shall inspect each piece of conduit prior to placement in the trench and any unsatisfactory conduit shall be rejected.
- F. Conduit shall not be laid in water, mud, or any otherwise unsuitable trench. The conduit shall not be pushed into or allowed to fall to the bottom of the trench. Handling of the conduit shall be in conformance to the manufacturer's recommendations.
- G. The conduit shall be kept clean and any open ends of installed conduit shall be closed when work is not in progress.
- H. Jointing of the conduit shall be in accordance to the requirements of the manufacturers and as required by the specification material type. Any deviation from these acceptable methods requires approval of the Engineer.
- I. Testing of joints, where required, shall be done in accordance with the Specification for Testing. Should any section fail to meet test requirements, the Contractor shall make suitable corrections, at their cost, until the requirements are met.

3.8 SERVICE CONNECTIONS

- A. In general, and as called for on the drawings, as required or as ordered, provision shall be made in the sewers for service connections by inserting a wye branch for each service connection with a branch size called for by the contract drawings but never less than six (6) inch, in the sewer at location shown, where required or ordered, for sewers to ten (10) feet in depth. For sewers exceeding ten (10) feet in depth, or indicated on the plans, the Contractor shall construct a riser, as per detail, in such manner, that the top of the riser shall be not less than seven (7) feet below grade or at such elevation as to properly receive the required service connection, with full regard to elevation of service sewer and slope from building or structure to the sewer which shall not be less than one percent (1%). Risers are to be encased in sonotube filled with No. 57 Limestone as shown on the contract drawings.
- B. The location of service connections is shown in a general way on the contract drawings. The Owner may also increase the number of connections or delete some connections as the sewer is being built, or increase the size of connections when it deems such advisable.

3.9 FINAL BACKFILL

- A. Final backfill shall be installed from the top of the Pipe Embedment to the final grade. Final backfill of all conduit trenches shall conform to the requirements of the plans and details, Section 312323.13 "Compacted Backfill", and Section 312323.14 "Compacted Granular Backfill". All final backfill under existing or proposed pavement or structures or within the 1:1 zone of influence of existing or proposed pavement or structures shall be "Compacted Granular Backfill". All final backfill not under existing or proposed pavement or structures or within the 1:1 zone of influence of proposed pavement or structures shall be "Compacted Backfill".
- B. Unless otherwise directed, all forms, bracing and lumber shall be removed during backfilling and the cavities and voids resulting from the removal shall be backfilled and compacted to 100% of Standard Proctor.
- C. The Contractor must use special care in placing backfill so as to avoid injuring or moving the conduit or structure when compacting the backfill.
- D. In areas used for temporary maintenance of traffic the top layer of final backfill from the elevation of the existing subbase base interface to the existing or proposed surface(s), shall be ODOT Item 304 Aggregate Base to provide a temporary surface traffic course.
- E. Should after settlement occur, the Contractor must add and compact additional material.
- F. Machine mounted mechanical tamper shall be used for backfill compaction. Flooding, jetting or puddling of backfill will not be permitted.
- G. Excavated material in excess of that needed for backfilling and all unsuitable material shall be disposed of by the Contractor at his own expense and the cost of such disposal shall be included in the unit or lump sum prices bid.

3.10 TESTING AND ACCEPTANCE

- A. Prior to final acceptance of the conduit or the placing of the conduit into service, testing and/or televising may be required.
- B. For all sanitary, water, or other pressured conduits, pressure testing shall be required in accordance to the specifications contained herein. Televising shall be required for all sanitary sewer and may be required for storm sewers as outlined or required by plan note.
- C. Final television inspection of conduit shall be performed by an experienced company and in a format satisfactory to the Owner. Televising shall be done in the presence of the Engineer unless so waived. The Engineer shall be provided with unedited video tapes and two (2) copies of the video log.
- D. Televising shall not be done until all known repairs are completed and the line has been suitably flushed.

3.11 SITE RESTORATION

- A. Restoration of the disturbed project area shall begin immediately after backfilling has been completed. All excess material, debris, and excavation shall be disposed of by the Contractor.
- B. Restoration of paved surfaces and of seeded areas shall be done as soon as conditions permit. The manner in which this work shall be done is defined in other specifications or the contract plans.
- C. While payment for site restoration may be included in other items, final acceptance of the underground conduit shall not occur until all work is complete. Where no separate pay items exist for restoration work, the Engineer may determine an appropriate value for this work to be retained until its completion.

END OF SECTION 312333

SECTION 320190.35 - RIGHT-OF-WAY TREE MAINTENANCE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 1 Specification Sections, apply to this Section.

1.2 SCOPE OF WORK

- A. To provide all labor, supervision, equipment, services, and expertise necessary to perform right-of-way tree maintenance work on specified trees in the public right-of-way as specified herein. Since this work is of a potentially dangerous nature and requires special expertise, it is to be performed by a Contractor (or Subcontractor to the Contractor) that derives a majority of its annual income from arboricultural work and whose employees are highly trained and skilled in all phases of tree service work. Contractor shall have at least five years of experience in performing this scope of work and provide a list and references for same.

The Contractor has the responsibility to:

1. Remove or prune designated trees.
2. Reserve work space along any public streets.
3. Grind out stump when tree is to be removed.
4. Remove excess material and clean-up site.
5. Guarantee that specifications are met.
6. Keep work site safe at all times.
7. Any work incidental to above.

1.3 DEFINITIONS

- A. Reference: Reference to any other specifications or standards means the latest revision in effect on date of invitation to bid. This set of specifications governs when disagreement with reference specifications occurs.
- B. Specified: Means specified in the invitation to bid.
- C. ANSI Z-133: American Standard of Tree Worker Safety.
- D. ANSI A300: Standard Practices for Trees, Shrubs, and Other Woody Plant Maintenance.

- E. Contractor: A company that earns the majority of its annual revenue from pruning and maintaining trees. Contractor must employ an ISA Certified Arborist and/or Certified Tree Worker, who is on the job site at all times. Certifications shall be submitted with the bid.

1.4 WORK PROCEDURES

- A. Equipment: All bidders must have in their possession or available to them by formal agreement at the time of bidding: trucks, devices, chippers, hand tools, aerial and other equipment, and supplies which are necessary to perform the work as outlined in these specifications. The Owner and/or Engineer may inspect such equipment or agreements prior to the awarding of a contract.
- B. Tree Location: The Work shall be limited to trees located in the Owner's public right-of-way, permanent easements and temporary construction easements. All work under this contract shall be assigned by the Owner and/or Engineer by marking the trees with blue paint for priority pruning or red paint if tree is to be removed. The Owner reserves the right to change, add, or delete areas or quantities to be pruned or removed as it deems to be in its best interest. The Contractor shall be responsible for notifying the appropriate utility authority before removing trees growing in the utility wires or grinding stumps. Contractor shall be responsible for any damage to utilities during the removal or pruning process.
- C. Supervision: Contractor shall consult with the Owner and/or Engineer concerning details of scheduling of all work. Contractor shall have a competent person in charge of his work at all times to whom the Owner and/or Engineer may issue directives who shall accept and act upon such directives. Failure for the supervisor to act on said directives shall be sufficient cause to give notice that the Contractor is in default of contract unless such directives would create potential personal injury or safety hazards. The Contractor shall have an ISA Certified Arborist or Certified Tree Worker on the job site at all times.
- D. Inspections: The Owner and/or Engineer shall inspect the work at its discretion. Immediate correction of any work not done to industry standards as noted by the Owner and/or Engineer will be communicated to the Contractor and will be performed by the Contractor at no additional expense to the Owner.
- E. Tree Damage: Climbing irons, spurs, or spikes are not to be used on trees to be pruned. Any tree damage caused by the Contractor shall be repaired immediately at no additional expense to the satisfaction of the Owner. Trees damaged beyond repair, as judged by the Owner, shall be removed at no expense to the Owner and replaced by a tree of size and species designated by the Owner or the dollar value of such damaged trees, as determined by the Owner, is deducted from the monies owed the contractor.
- F. Traffic Control: The Contractor shall be solely responsible for pedestrian and vehicular safety and control within the work site and shall provide the necessary warning devices, barricades, and personnel needed to give safety, protection, and warning to persons and vehicular traffic within and approaching the work area.

- G. Utility Agencies: Utility(s) shall be contacted by the contractor any time assistance is needed to work safely around overhead or underground installations. Tree trimming, tree removal and grinding operations may be conducted in areas where overhead or underground electric, telephone, data, cable television, gas, sanitary sewer, storm sewer or waterline facilities exist. The contractor shall protect all utilities from damage, shall immediately contact the appropriate utility if damage should occur and shall be responsible for all claims for damage due to his operations.

The contractor shall make arrangements with the utility for removal of all necessary limbs, branches or stumps that may conflict with or create a personal injury hazard in conducting the operations of this contract.

- H. Safety: The Work shall conform to the latest revision of American National Standards Institute Standard Z-133.1 (Safety Requirement for Pruning, Trimming, Repairing, Maintaining, Removing Trees, and for Cutting Brush).
- I. Clean Up: Clean-up procedures shall be completed within two hours after debris has been placed around the site of each tree requiring pruning or removal. The work site shall be left equal to or cleaner than pre-work conditions. It shall be the responsibility of the Contractor to remove and dispose in a proper and acceptable manner all logs, brush, bark, and other organic debris resulting from the tree maintenance operations. Wood may be left for residents at the residents' request. It is the Contractor's responsibility to obtain written authorization from the resident to leave wood on private property. Copies of the authorization shall be provided to the Owner.
- J. Damages: Damages by the Contractor to any person or property, public or private, are the total responsibility of the Contractor and shall be repaired or compensated for by the Contractor to the satisfaction of both the injured party and the Owner at no cost to the Owner.

PART 2 - EXECUTION

2.1 WORK SPECIFICATIONS AND PROCEDURES

- A. Pruning Specifications: Pruning shall conform to the latest revision of ANSI A300. Generally, all pruning shall be performed to allow for development or maintenance of the vegetation's natural growth habit. All cuts shall be made as close as possible to the trunk or parent limb, without cutting into the branch collar or leaving a protruding stub. Stub cutting is only permitted with permission of the Owner on damaged trees where pruning as described above would remove an inordinate amount of wood from the tree. Bark at the edge of all pruning cuts should remain firmly attached. All branches too large to support with one hand shall be precut to avoid splitting or tearing of the bark. Where necessary, ropes or other equipment shall be used to lower large branches or stubs to the ground.

1. Trees fronting each side of the right of way shall be trimmed or removed unless otherwise specified. Dead trees beyond the right of way which would fall onto the roadway shall be removed. Leaning trees beyond the Right of Way, which would fall onto the roadway in falling the tree and which would require trimming if not removed, shall either be removed or trimmed, except that shade, fruit or ornamental trees shall be trimmed and not removed, unless otherwise authorized. If outside the Right of Way, the Owner will obtain a temporary construction easement from the property owner.
 2. If, while pruning a tree, a problem which suggests that the tree should be removed is discovered, Contractor shall notify the Engineer of the problem and wait for the Owner's and/or Engineer's decision before resuming work on the tree.
 3. Tree wound dressing shall not be used.
 4. Equipment that will damage the bark and cambium layer should not be used on or in the trees. Sharp tools shall be used so that clean cuts will be made at all times.
 5. All cut limbs shall be removed from the crown upon completion of the pruning.
- B. Removal Specifications: Removals shall include topping and other operations necessary to safely remove the assigned trees. No trees or trunks shall be felled onto pavement. Work includes removal of basal sprout and brush and weeds within 3 feet of trunk. The tree stump shall be ground out to a depth of 6 inches below the normal surface level including all surface roots. Immediately after grinding each stump, the grindings must be removed from the work area. Adjacent sidewalks, lawns, driveways, streets, and ditches shall be cleaned. The cavity shall be cleaned and free from all grinding debris. The cavity shall be backfilled with clean, screened topsoil to normal ground level, seeded and mulched.
- C. Chemicals and sprays for vegetation control shall not be permitted.
- D. Clean-up and disposal of logs, branches or any other debris resulting from all operations shall be promptly and properly accomplished. The work area shall be kept safe at all times until the clean-up operation is completed.

END OF SECTION

SECTION 321000- PAVEMENT REPLACEMENT

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK

- A. The Contractor shall furnish all of the equipment, labor and materials necessary to install, replace, and/or restore existing pavement structures together with their respective appurtenances as shown on the plans and as specified herein. This work shall include all of the subgrade preparation, subbase, base, intermediate pavement course(s), and finish pavement courses together with curbing, guttering, tack and/or prime coating, sealing and other pertinent work as necessary to meet the conditions of this contract.

1.3 QUALITY ASSURANCE

- A. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work.

1.4 REPAIR OR REPLACEMENT WORK

- A. For the repair and/or replacement of all existing pavement structures and their respective appurtenances that are removed and destroyed or otherwise damaged by the Contractor in the course of his performance of the work required under this contract, the Contractor shall furnish all equipment, labor, and materials as necessary to properly restore to a condition equal to that at his entry, and to the satisfaction of the Engineer, the Ohio Department of Transportation, the County Engineer, City Engineer, all cinder, slag, gravel, water-bound macadam, bituminous macadam, asphalt and brick or concrete driveways, curbs, sidewalks and roadways in strict accordance with the drawings and as specified herein.
- B. In general, this item will include concrete, steel reinforcement, brick, stone, slag, cinders, gravel, asphalt and other bituminous materials and curbs, gutters, driveway culverts, road and curb drains and the demolition, excavation and removal of existing driveways, sidewalks and roadways.

1.5 REFERENCE TO OTHER PARTS

- A. Other sections of these specifications shall apply, as and where applicable to this section and such sections will be the same as though they were included in this section.
- B. For all old work where pavement is being repaired and/or replaced as a result of damages occurring thereto during the course of the work of this contract, all clearing and grubbing,

removal and storage of topsoil, excavation and/or placing of compacted fill and granular backfill, shall be done as required under other parts of these specifications.

PART 2 - PRODUCTS

2.1 MATERIALS

- A. Generally, for all repair and replacement work, all new materials shall match the existing and adjoining work in both composition and quality unless otherwise ordered, specified herein, and/or shown on the drawings. In any stone driveway or roadway, the material used for stone fill shall conform to the existing material.

PART 3 - EXECUTION

3.1 CONSTRUCTION

- A. All pavement work shall be done in strict accordance with the specifications of the governmental body concerned and the latest ODOT specifications as applicable or at the direction of the Engineer.
- B. All pavements disturbed by the Contractor's operations shall be relaid to the thickness of the adjoining pavement and, in all cases, the restoring of pavements, shall apply both to foundation courses and to the wearing surface.
- C. Should cracks or settlements appear in adjoining pavements, the paving shall be removed to the extent necessary to secure firm and undisturbed bearing and shall be replaced in a satisfactory manner.
- D. No permanent pavement shall be installed, repaired, and/or restored unless, or until, in the opinion of the Engineer, the condition of the backfill is such as to properly support the pavement.
- E. Where new or replacement concrete pavement or base is placed adjacent to existing concrete pavement or base, contraction joints shall be provided in the new or replacement pavement so as to form a continuous joint with that in the existing pavement.

3.2 ROADWAY SUBGRADE

- A. The entire area to be occupied by the roadways and parking areas shall be cleared, topsoil removed and stored, and the excavation or compacted fill made as required and brought to the proper cross-sections. Pipe trenches and other excavations shall be backfilled as required, and thoroughly compacted within the limits of the roadways or parking areas.
- B. After the surface of the subgrade has been properly shaped and before any stone or slag is placed, the entire subgrade shall be thoroughly rolled and compacted to a depth of 12 inches under this section. Rolling shall be done with an approved type of self-propelled roller, weighing not less than ten (10) tons. All hollows and depressions which develop during the

rolling shall be filled with acceptable materials, and the subgrade rerolled. The process of filling and rolling shall be repeated until no depressions develop, and the entire subgrade has been brought to a uniform condition of stability.

- C. All places which, in the opinion of the Engineer cannot be properly rolled, shall be tamped with handheld mechanically or pneumatically powered tampers.
- D. In making the compacted fill and in doing the final subgrade rolling, the Contractor shall see that the material to be compacted and/or rolled has the proper moisture content to secure maximum compaction. When, in the opinion of the Engineer, the material is too wet, the compacting shall be delayed until the material has dried sufficiently. When, in the opinion of the Engineer, the material is too dry, the material shall be sprinkled with water in an amount to secure the proper moisture content.

END OF SECTION 321000

SECTION 329219 - SEEDING

PART 1 - GENERAL

1.1 SUMMARY

- . Installation of seeded areas shall be to the extent shown on Contract Drawings and shall include supplying all seed, topsoil, soil conditioning materials, mulching materials and watering, and the incorporation of these materials into the work as specified.
- A. The Contractor shall place topsoil at the depths specified in those areas requiring seeding. Topsoil shall be furnished by the Contractor.

1.2 SUBMITTALS

- A. Product Data: For the following:
 1. Provide copies of soils tests for both new topsoil (provided) and onsite topsoil for review and approval. This applies to all areas that require seeding, including reconditioned areas.
 2. Provide location of properties from which topsoil is to be obtained, names and addresses of owners, depth to be stripped, and crops grown in the past 2 years.
 3. Provide the name of the seed supplier, name and phone number, list of the seed, including varieties of seed, labels, and an analysis of the seed for review, 4 weeks prior to the start of seeding.
 4. Provide soil amendments information based on soils test requirements.

1.3 QUALITY ASSURANCE

- A. Any subcontracted restoration work shall be performed by a qualified firm specializing in landscape work.
- B. The Contractor shall have a soils test done at their expense and analyzed by a state approved testing agency. Soil tests shall be done on both the topsoil stockpiled from the site and new topsoil brought to the site. A minimum of two (2) tests shall be done. The tests shall include percent organic matter, pH, Buffer pH, Phosphorus, Exchangeable Potassium, Calcium, Magnesium, Cation Exchange Capacity and Percent Base Saturation with recommendations for nitrogen, phosphate, potash, magnesium and lime based on plant type and use.
- C. Seed: All seed specified shall meet O.D.O.T. specifications as to the percentage purity, weed seed, and germination. All seed shall be approved by the State of Ohio, Department of Agriculture, Division of Plant Industry, and shall meet the requirements of these specifications.

- D. Packaged Materials: Deliver packaged materials in containers showing weight, analysis, and name of manufacturer. Protect materials from deterioration during delivery, and while stored at site.

1.4 PROJECT CONDITIONS

- A. Utilities: Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate, as required. Maintain grade stakes set by others until removal is mutually agreed upon by parties concerned.
- B. Excavation: When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, such conditions shall be rectified by the Contractor before planting, with approval from the Owner's Representative.
- C. Soil Stabilization: The Contractor shall provide permanent or temporary soil stabilization to denuded areas within fifteen (15) days after final grade is reached on any portion of the site. Any such area which will not be regraded for longer than fifteen (15) days shall also be stabilized. Soil stabilization includes any measures which protect the soil from the erosive forces of raindrop impact and flowing water. Applications include seeding and/or mulching, or the use of other erosion control measures as directed by the Owner's Representative. If necessary, the Contractor shall coordinate soil stabilization practices with the local Soil and Water Conservation District.
- D. Spring-sown work shall be installed between April 1st and May 30th and Fall-sown work shall be installed between September 1st and October 15th. No permanent seeding shall take place between May 30th and September 1st and between October 15th and April 1st. The dates for seeding may be changed at the discretion of the Owner's Representative.

PART 2 - PRODUCTS

2.1 TOPSOIL

- A. Topsoil shall be furnished by the Contractor. Stockpiled material, if any, shall be utilized prior to obtaining additional topsoil.
- B. All topsoil shall conform to the U.S. Department of Agriculture soil texturing triangle and shall contain between 3% to 8% organic matter. Topsoil shall be loamy and not consist of more than 38% clay. New topsoil shall be screened to remove clay lumps, brush, weeds, litter, roots, stumps, stones larger than ½" in any dimension and any other extraneous or toxic matter harmful to plant growth.

New topsoil shall be obtained only from naturally well drained sites where topsoil occurs in a depth of not less than 4". Do not obtain from bogs or marshes.

- C. Soil amendments shall be added according to the soils test requirements. Amendments can

include, but are not limited to fertilizer, lime, compost, sand, and organic matter. Organic matter shall consist of composted leaves or other approved material.

2.2 SEED

A. Seed shall be vendor mixed, delivered in original bags and shall be proportioned as follows:

<u>Common Name</u>	<u>Proportion by Weight</u>
Creeping Red Fescue (This shall be a blend, of 3 improved varieties; recommended variety is Boreal, Cindy Lou or Rose)	65%
Perennial Rye (This shall be a blend of 3 improved varieties; recommended varieties are Allsport, Prosport, Wilmington, TeeLee, Private or Derby Xtreme)	20%
Kentucky Bluegrass blend	15%

2.3 MULCH

A. Mulch shall be clean straw free of seed and weed seed.

1. Anchoring for mulch shall be an ODOT specified SS-1 at 60 gal./ton non-toxic tackifier such as Hydro-stik, or equal, or by securing with a photo degradable netting.

Wood fiber mulching material shall be processed in such a manner as to contain no growth or germination inhibiting factors, and must contain a biodegradable green dye to aid in visual metering during application.

PART 3 - EXECUTION

3.1 PREPARATION - GENERAL

- A. Rough grading to a depth necessary to accept the specified thickness of topsoil must be approved prior to placing topsoil.
- B. Loosen subgrade, remove any stones greater than 1/2" in any dimension. Remove sticks, roots, rubbish, and other extraneous matter.

- B. Spread topsoil to a minimum depth of 4 inches, to meet lines, grades, and elevations shown on plan, after light rolling and natural settlement. Remove sticks, roots, rubbish, stones greater than 1/2" in any dimension, and other extraneous matter. Topsoil shall be tilled thoroughly by plowing, disking, harrowing, or other approved methods. Add specified soil amendments and mix thoroughly into the topsoil.
- C. Preparation of Unchanged Grades: Where seed is to be planted in areas that have not been altered or disturbed by excavating, grading, or stripping operations, prepare soil for planting as follows: Till to a depth of not less than 6 inches. Apply soil amendments and initial fertilizers as specified. Remove high areas and fill in depressions. Till soil to a homogenous mixture of fine texture, free of lumps, clods, stones, roots and other extraneous matter. Soils test requirements apply here as well.
 - 1. Prior to preparation of unchanged areas, remove existing grass, vegetation and turf. Dispose of such material outside of project limits. Do not turn existing vegetation over into soil being prepared for seed.

If necessary, supply and install topsoil in areas where there is no topsoil left after vegetation has been removed.
 - 2. Apply specified soil amendments at rates specified in the soils test and thoroughly mix into upper 2 inches of topsoil. Add topsoil if existing grade has less than 4" of topsoil. Delay application of amendments if planting will not follow within two (2) days.
- D. Fine grade areas to smooth, even surface with loose, uniformly fine texture. Roll, rake, and drag lawn areas, remove ridges and fill depressions, as required to meet finish grades. Remove sticks, roots, rubbish, stones greater than 1/2" in any dimension, and other extraneous matter. Limit fine grading to areas which can be planted immediately after grading.
- E. Moisten prepared areas before planting if soil is dry. Water thoroughly and allow surface moisture to dry before planting lawns. Do not create a muddy soil condition.
- F. Restore areas to specified condition, if eroded or otherwise disturbed, after fine grading and prior to planting.

3.2 SEEDING

- A. Do not use wet seed or seed that is moldy or otherwise damaged in transit or storage. Seed shall not be sown when the ground is frozen, muddy, or when weather conditions prevent proper soil preparation, interference with sowing and/or proper incorporation of seed into the soil.
- B. For seed sown with a spreader, mulch shall be spread uniformly to form a continuous blanket at a rate of 100 lbs. per 1,000 S.F. Mulch shall be 1 1/2" loose measurement over seeded areas and shall be anchored.

- C. Contractor has the option to hydroseed large lawn areas, using equipment specifically designed for such application. The rate of application of wood fiber mulching materials is 40 lbs./1,000 S.F. Contractor shall not hydroseed within close proximity to buildings and structures, or when unfavorable wind conditions may blow the hydroseed material onto the structure. Contractor shall clean all areas not to be seeded of overspray.

3.3 DORMANT SEEDING METHOD

- A. Seeding shall not take place from October 15 through November 20. During this period prepare the seed bed, add the required amounts of lime and fertilizer, and other amendments, then mulch and anchor.
- B. From November 20 through April 1, when soil conditions permit, prepare the seed bed, lime and fertilize, apply the selected seed mixture, mulch, and anchor. Increase the seeding rate by 50 percent.

3.4 RECONDITIONING EXISTING LAWNS

- A. A soils test shall be required for existing lawns prior to any reconditioning.
- B. Recondition all existing lawn areas damaged by Contractor's operations including storage of materials and equipment and movement of vehicles. Also recondition existing lawn areas where minor regrading is required.
- C. Provide soil amendments as called for in the soils test.
- D. Provide new topsoil, as required, to fill low spots and meet new finish grades.
- E. Cultivate bare and compacted areas according to the topsoil specifications.
- F. Remove diseased and unsatisfactory lawn areas; do not bury into soil. Remove topsoil containing foreign materials resulting from the Contractor's operations, including oil drippings, stone, gravel, and other loose building materials.
- G. All work shall be the same as for new seeding.
- H. Water newly planted seed areas. Maintenance of reconditioned lawns shall be the same as maintenance of new lawns.

3.5 ESTABLISHMENT

- A. Maintain work areas as long as necessary to establish a uniformly close stand of grass over the entire lawn area. A uniformly close stand of grass is defined as the seeded areas having 90%+ coverage of grass at 60 days after seeding. 90%+ coverage is defined as very little or no dirt showing when seeded area is viewed from directly overhead.
- B. Maintain lawns by watering, fertilizing, weeding, mowing, trimming, and other operations

such as rolling, regrading and replanting as required to establish a smooth acceptable lawn.

1. Mowing
 - a. Mow lawn areas during the period of maintenance to a height of 2 inches whenever the height of the grass becomes 3 inches. A minimum of 3 mowings is required during the period of maintenance.
2. Refertilizing
 - a. Distribute fertilizer on the seeded area between August 15 and October 15, during the period when grass is dry, and in accordance with the manufacturer's recommendations. The fertilizer shall be as specified in the soils test.
3. Reseeding
 - a. Reseed with the seed specified for the original seeding, at the rate of 4 lbs. per 1,000 S.F. in a manner which will cause minimum disturbance to the existing stand of grass and at an angle of not less than 15 degrees from the direction of rows of prior seeding.
4. Watering
 - a. The Contractor shall keep all work areas watered daily to achieve satisfactory growth. Water shall be applied at a rate of 120 gallons per 1,000 square feet. If water is listed as a pay item, it shall be separately paid for based on the actual amount of water used, measured in thousands of gallons.
5. Any mulching which has been displaced shall be repaired immediately. Any seed work which has been disturbed or damaged from the displacement of mulch shall be repaired prior to remulching.

3.6 INSPECTION AND ACCEPTANCE

- A. When seeding work is complete and an acceptable stand of growth is attained, the Contractor shall request the Owner's Representative to make an inspection to determine final acceptance.
- B. Acceptance shall be based upon achieving a vigorous uniformly stand of the specified grasses. If some areas are satisfactory and some are not, acceptance may be made in blocks, provided they are definable or bounded by readily identified permanent surfaces, structures, or other reference means. Partial acceptance decisions may be made by the Owner's Representative. Excessive fragmentation into accepted and unaccepted areas shall not be allowed. Unaccepted areas shall be maintained by the Contractor until acceptable.
- C. No payment shall be made until areas are accepted.
- D. All seeded areas shall be guaranteed for one full growing season to commence upon final acceptance of the areas.

END OF SECTION 329219

SECTION 329300.23 - TREES, SHRUBS, AND GROUND COVER

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 DESCRIPTION OF WORK

- A. Installation of trees, shrubs, and ground covers shall be to the extent shown on Contract Drawings and shall include supplying all plant material indicated on the plans, plant mix, soil conditioning materials, mulching materials, guying and staking, watering and the incorporation of these materials into the work as specified.

1.3 QUALITY ASSURANCE

- A. Landscaping shall be done by a single firm specializing in landscape work.
- B. Ship landscape materials with certificates of inspection required by governing authorities. Comply with regulations applicable to landscape materials.
- C. All plant material shall conform to ANSI Z60.1 "American Standard for Nursery Stock"; and State of Ohio, Department of Transportation, "Construction and Material Specifications", current edition.
- D. All plant material shall be labeled with a securely attached waterproof tag indicating species and size.
- E. All tree trunks shall be wrapped prior to leaving the nursery to protect the trunk from injury during transport. Wrapping shall stay on until planting is completed and removed after the tree is planted.
- F. All plant material shall be provided with protective covering (tarping) during transport to reduce desiccation.
- G. The Contractor shall have soils tests done at his expense by a State approved soils testing laboratory to determine amendments to the existing soils. Copies of the soils tests shall be provided to the Owner's Representative prior to planting the plant materials for review and approval.
 - 1. Soils tests shall determine percent organic matter, pH, buffer pH, available phosphorus, exchangeable potassium, calcium, magnesium, Cation Exchange Capacity (CEC), and percent base saturation with recommendations for nitrogen, phosphate, potash, magnesium and lime based on plant type and use.

- H. Plants may be subject to inspection and approval by the Owner's Representative at the place of growth or holding yard for conformity to specification requirements as to quality, size and variety. Notify Owner's Representative prior to transport of plant material to the site.
- I. The Contractor shall hire an arborist certified by the International Society of Arboriculture (ISA). The arborist shall be on site full time during tree planting operations to ensure that correct planting procedures are followed.

1.4 JOB CONDITIONS

- A. Utilities: Determine location of underground utilities and perform work in a manner which will avoid possible damage. Hand excavate as required. Maintain grade stakes set by others until removal is mutually agreed upon by parties concerned.
- B. Excavation: When conditions detrimental to plant growth are encountered, such as rubble fill, adverse drainage conditions, or obstructions, such conditions shall be rectified by the Contractor before planting with approval from the Owner's Representative.
- C. All plants shall be guaranteed for the entire maintenance period covered by the Maintenance Bond.

1.5 PRE-BID SUBSTITUTIONS

- A. Every reasonable effort shall be made to find the material specified by the architect. The landscape contractor is responsible for qualifying his/her proposal to document any plant suitability or availability problems. The landscape contractor may offer substitutions to the landscape architect for his/her consideration. The landscape contractor will notify the landscape architect if there are known diseases or insect resistant species that can be substituted for a selected pest-prone plant.

PART 2 - PRODUCTS

2.1 PLANT MATERIALS

- A. All plant material shall be of the quantity, size, genus, species, and variety shown, and conforming to ANSI Z60.1, "American Standard for Nursery Stock". Provide healthy, vigorous stock, nursery grown, free of disease, insects, eggs, larvae, and defects such as sun-scald, injuries, abrasion or disfigurement.
- B. All plant material shall be of typical proportion and form for the species.
- C. Provide freshly dug trees and shrubs.

- D. Provide ground cover plants and other plant materials as specified on the drawings.

2.2 OTHER PRODUCTS

- A. Mulch shall be double shredded hardwood, free of deleterious materials.
- B. Soil amendments shall conform to the soils tests.
- C. Organic matter shall consist of composted leaves, composted sludge, or other approved material. Peat moss is not an acceptable material.
- D. Filter fabric, i.e., soil separator shall be a non-woven, heat-bonded geotextile fabric made of 100% polypropylene, with a weight of 3.5 oz. to 4.02 oz. per square yard a minimum grab strength of 100 lbs. and a water flow rate of 100 gpm/ft.
- E. Structural soil.
 - 1. A uniformly blended mixture of 20-70% Crushed Stone, 20-25% Loam topsoil and 10-15% organic material mixed to proportions that meet CBR #50.
 - a. Crushed Stone shall be AASHTO M43 #57 (limestone aggregate).
 - 2. Submit sample of Structural Soil for testing. The air void/porosity of the soil compacted to 100% maximum density per ASTM D698 shall be 25% to 30%. Submit California Bearing Ratio test results for each sample compacted to peak standard density. The soaked CBR shall equal or exceed a value of 50.
- F. Inorganic soil additives shall be Perlite (coarse texture), Vermiculite or approved equal.
- G. A water retaining, soil conditioning polymer (polyacrylamide) such as "Soil Moist", by JRM Chemical or approved equal.

PART 3 - EXECUTION

3.1 PLANTING PREPARATION

- A. All planting shall be done during the proper planting season for each species. Planting shall not be done under extreme wet, cold or dry conditions. Planting adjacent to heavily treated streets shall only be done in the spring.
- B. All fall planted B&B trees shall have a minimum diameter root ball increased in size to that of the minimum diameter required for the next larger caliper size.

- B. Deliver trees and shrubs after preparation for planting has been completed, and plant immediately. If planting is delayed more than 6 hours after delivery, set plant material in shade, protect from weather and mechanical damage and keep roots moist by covering with mulch, burlap, or other acceptable means of retaining moisture. No plants shall be stored more than 2 weeks unless with approval of Owner's Representative. Do not remove container grown stock from containers until planting time.
- C. Layout individual tree and shrub locations and areas for multiple plantings. Stake locations and outline areas and secure Owner's Representative's approval prior to start of planting. Make adjustments as directed by the Owner's Representative.
- D. Planting beds shall be installed after lawn areas have been brought to finish grade and fine graded, but not seeded.

3.2 TREE PLANTING

- A. Excavate pits with flared sides and with bottom of pit at the same depth as the rootball. An auger shall not be used to dig planting pits.
- B. For balled and burlapped plants and container plants, pits shall be two and one-half times greater in diameter than the ball and the same depth as the ball.
- C. Dispose of any unsuitable subsoil. Plant mix shall consist of existing soil which is free of debris, sticks, rubbish and stones greater than 1", and twenty percent (20%) organic matter by volume. Add amendments as per the soils test requirements.
- D. For balled and burlapped material, set tree ball on bottom of pit, centered, and so the flare of the trunk sits at the same grade as it was in the nursery, when settled. Peel back burlap, cut first two rings of wire. When set, place additional plant mix around base and sides of ball, and work each layer to settle plant mix and eliminate voids and air pockets. Water after placing final layer of plant mix.
- E. For container plants, remove plant from container and loosen rootball. Make 4 – 5 cuts $\frac{3}{4}$ the length of the rootball with a sharp knife. Spread out root mass and place on bottom of pit, centered, so the flare of the trunk sits at the same grade as it was in the nursery when settled. When set, place additional plant mix around base and sides of ball and work to settle plant mix and eliminate voids and air pockets. Water thoroughly.
- F. Form a 3" high dish of backfill around the planting area to allow for mulching, as per detail.
- G. Provide mulch to a uniform depth of 2". Do not touch mulch to trunk of plant.
- H. Guy and stake trees immediately after planting, as indicated on the drawings. Remove wrapping around tree trunks.

3.3 PLANTING BEDS

- A. Loosen subgrade of planting bed areas to a minimum depth of 12" using a culti-mulcher or similar equipment. Remove stones greater than 1" in any dimension, remove sticks, rubbish, and any other extraneous matter. Planting soil mixture shall be the same as plant mix in the tree planting section. Remove all stones greater than 1" in any dimension in plant mix. Remove sticks, rubbish and any other extraneous matter. Soil amendments apply here as well.
- B. Spread planting soil mixture to a depth of 12" to meet line, grades, and elevations shown after light rolling and settlement. Place approximately 1/2 the total amount of planting soil required. Thoroughly mix into loosened subgrade to create a transition layer, then place remainder of plant soil.
- C. Set container grown stock as specified for balled and burlapped stock, except remove container and loosen root system. Plants, when settled, must be set at the same elevation as when in the container.
- D. Set bare root stock on cushion of planting soil mixture. Spread out roots without tangling or turning up to surface. Cut injured roots clean; do not break roots. Carefully work backfill around roots by hand, and puddle with water until plant mix layers are completely saturated. Plumb before backfilling and maintain plumb while working plant mix around roots and placing layers of soil mixture above roots. Plants, when settled, must be set at the same elevation as they were in the nursery.
- E. Form a 3" saucer of backfill around the planting area, as per detail. Mulch planted areas to a uniform depth of 2" and finish level with adjacent grades. Do not touch mulch to trunk of plant.
- F. Space ground cover plants as indicated on the planting plan. Dig holes large enough for spreading of roots, and backfill with planting soil mixture. Eliminate air pockets. Water thoroughly after planting, taking care not to cover crowns of plants with wet soils. Mulch areas between plants to a uniform depth of 2".
- G. Newly planted trees and shrubs shall be pruned in accordance with supplier's recommendations. All pruning must be done by experienced personnel.

3.4 CONTAINED PLANTER BEDS

- A. Drainage
 - 1. Install drainage material and structures in all planting areas as per plan. Areas to be planted must be clean of extraneous material and debris. Insure that planter drains are operable and free of debris. The landscape architect may review the installation of the drainage systems prior to placing any backfill mixes.

2. Install filter fabric above drainage material. Make sure filter fabric does not slip during the backfill installation.
- B. Planting soil mixture shall consist of 2 parts topsoil, 1-part organic matter and 1-part inorganic soil additive.
- C. Soil Placement
1. Place soil in 12” layers and lightly tamp to eliminate air pockets and minimize settling. Care should be taken in placing soil so as to not compact and restrict drainage. Due to anticipated settling, soil fill may exceed final grade.
 2. Prior to planting, the landscape contractor shall regrade and repair any areas which settle or are uneven.
- D. Planting Operations: Sections for plant materials and planting execution shall apply. Set plants 2” below top of the planter wall to allow for mulching.
- E. Bracing Operations: See drawings for bracing techniques. In some cases, galvanized steel eye bolts can be imbedded into the sides of the planter to allow the connection of guy wires.

3.5 STREETScape TREE PLANTING

- A. Do not proceed with the installation of the Structural Soil material until all walls, curb footings and utility work in the area have been installed. For site elements dependent on Structural Soil for foundation support, postpone installation until immediately after the installation of Structural Soil.
- B. Install subsurface drain lines as shown on the drawings prior to installation of Structural Soil.
- C. Excavate and compact the proposed sub-grade to depths, slopes and widths as shown on the drawings. Maintain all required angles of repose of the adjacent materials as shown on the drawings. Do not over excavate compacted sub-grades of adjacent pavement or structures.
- D. Confirm that the sub-grade is at the proper elevation and compacted as required. Sub- grade elevations shall slope parallel to the finished grade and or toward the subsurface drain lines as shown on the drawings.
- E. Clear the excavation of all construction debris, trash, rubble and any foreign material.
- F. Protect adjacent walls, walks and utilities from damage or staining by the soil. Use ½” plywood and or plastic sheeting as directed to cover existing concrete, metal and masonry work and other items as directed during the progress of the work.

- G. All Structural Soil mixing shall be performed at the Contractor's yard and not at the project site to assure proper quality control.
- H. Install Structural Soil in 6-inch lifts and compact each lift to maximum density per ASTM D698 and to required CBR value.
- I. Bring Structural Soils to finished grades as shown on the drawings. Immediately protect the Structural Soil material from contamination by toxic materials, trash, debris, water containing cement, clay, silt or materials that will alter the particle size distribution of the mix with plastic or plywood as directed by the Engineer.
- J. Planting Operations: Sections for plant materials and planting execution shall apply.
- K. Bracing Operations: See drawings for bracing techniques.

3.6 LANDSCAPE WATERING

- A. The Contractor shall furnish water for watering plants on a weekly basis in absence of 1 ½" rainfall. All plant material shall be thoroughly watered throughout the period of establishment.
- B. Saturate the root zone and mulched area of each plant without causing run-off. During the period from May 15 to September 15, the Contractor shall install one Tree Gator or approved equal drip irrigation bag with each tree planted. Use upright for deciduous trees and flat for evergreen trees. After completion of planting trees, the Contractor shall remove tape from drip irrigation bags and fill with water. Shrubs and trees too small to accept drip irrigation bags shall be watered by other means approved by the Owner.
- C. The Contractor shall water plant material at least once a week through-out the period of establishment, unless there has been adequate rainfall. An average of 1-½" rainfall per week shall be considered adequate to suspend watering, at the Owner's Representative's direction.
- D. The Contractor shall conduct an inspection of the trunk surrounded by and the area beneath each TreeGator irrigation bag on a bi-weekly basis. If any evidence of pests or disease is noticed, the Owner's Representative shall be notified in writing.

3.7 PERIOD OF ESTABLISHMENT

- A. Before final inspection, all plants shall be in place and under the care of the Contractor for a period of establishment. This period shall begin immediately upon completion of the planting operations and shall continue until October 1st. In no case shall it be less than one growing season, June 1 to October 1.

- B. During this period of establishment, follow all horticultural practices that will ensure the vigor and growth of the transplanted material. This includes watering, mulching, restaking, guying and cultivating. Weeding shall be performed either manually or by chemical control. If there is evidence of deer damage, then a deer inhibitor shall be applied.
- C. On or about September 14 the Owner's Representative will inspect the planting and supply the Contractor with a list of missing and dead plants and those that have died back beyond normal pruning lines. Replant as required in accordance with the specifications of the original material. However, plants replaced and planted in the Fall, that die before or during the Spring planting season, shall be replaced immediately.
- D. The Contractor is responsible for removing all stakes and guy wires from all plants approximately one year after final acceptance of the planting. The Owner's Representative shall be notified prior to removal

END OF SECTION 329300.23

SECTION 334100 - STORM DRAINAGE SYSTEM

PART 1 GENERAL

1.1 SUMMARY

- A. Furnishing all labor, materials, tools, equipment, and services for all storm sewers as shown on the Drawings.
- B. Although such is not specifically indicated, furnish and install all supplementary or miscellaneous items, appurtenances and devices incidental to or necessary for a functional and complete installation.

1.2 RELATED DOCUMENTS AND SECTIONS

- A. Section 310000 - Earthwork

1.3 PRODUCTS INSTALLED BUT NOT FURNISHED UNDER THIS SECTION

- A. Granular pipe bedding and cover material specified in Section 310000 - Earthwork
- B. Special backfill material specified in Section 310000 - Earthwork

1.4 SUBMITTALS

- A. Product Data
 - 1. PVC pipe, each type specified
 - 2. Polyethylene pipe
 - 3. Reinforced concrete pipe, each type specified
 - 4. Manhole castings
 - 5. Precast concrete manholes and inlets
 - 6. Manhole steps
- B. Shop Drawings
 - 1. Precast concrete manholes showing:
 - a. Orientation plan for each manhole or inlet indicating where all pipes connect.
 - b. The size and elevation of connecting pipes.
 - c. Details of drop connections.
 - d. Invert concrete channeling details.
 - e. Pipe to manhole connection details.
 - f. Casting and step orientation.
 - 2. Precast concrete inlets
- D. Quality Control Submittals

1. Design Data
 2. Test Reports
 3. Certificates
 - a. Evidence of current membership in specified manufacturer's associations.
 - b. Evidence of ODOT precertification for the manufacturing RCP pipe.
 - c. Evidence of National Precast Concrete Association (NPCA) certification for the manufacture of precast concrete manholes, inlets and catch basins.
 4. Manufacturers Instructions
- E. Contract Closeout Submittals
1. Project Record Documents
 2. Operation and Maintenance

1.5 REFERENCES

- A. ASTM A-48 Standard Specification for Gray Iron Castings
- B. ASTM A-536 Standard Specification for Ductile Iron Castings
- C. ASTM C-12 Standard Practice for Installing Vitrified Clay Pipe Lines
- D. ASTM C-32 Standard Specification for Sewer and Manhole Brick (Made From Clay or Shale)
- E. ASTM C-55 Standard Specification for Concrete Building Brick
- F. ASTM C-76 Standard Specification for Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
- G. ASTM C-139 Standard Specification for Concrete Masonry Units for Construction of Catch Basins and Manholes
- H. ASTM C-150 Standard Specification for Portland Cement
- I. ASTM C-270 Standard Specification for Mortar for Unit Masonry
- J. ASTM C-425 Standard Specification for Compression Joints for Vitrified Clay Pipe and Fittings
- K. ASTM C-443 Standard Specifications for Joints for Concrete Pipe and Manholes, Using Rubber Gaskets
- L. ASTM C-478 Standard Specifications for Precast Reinforced Concrete Manhole Sections

- M. ASTM C-507 Standard Specification for Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe
- N. ASTM C-700 Standard Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated
- O. ASTM C-990 Standard Specification for Joints for Concrete Pipe, Manholes, and Precast Box Sections Using Preformed Flexible Joint Sealants
- P. ASTM C-1173 Standard Specification for Flexible Transition Couplings for Underground Piping Systems
- Q. ASTM D-2321 Standard Practice for Underground Installation of Flexible Thermoplastic Sewer Pipe
- R. ASTM D-3034 Standard Specification for Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings
- S. ASTM D-3212 Standard Specification for Joints for Drain and Sewer Plastic Pipes Using Flexible Elastomeric Seals
- T. ASTM F-477 Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe
- U. ASTM F-679 Standard Specification for Poly(Vinyl Chloride) (PVC) Large Diameter Plastic Gravity Sewer Pipe and Fittings
- V. ASTM F-1336 Standard Specification for Poly(Vinyl Chloride) (PVC) Gasketed Sewer Fittings
- W. ANSI/AWWA C111/A21.11 American National Standard for Rubber-Gasket Joints for Ductile-Iron and Gray-Iron Pressure Pipe and Fittings
- X. ANSI/AWWA C151/A21.51 American National Standard for Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water and Other Liquids
- Y. AWWA C900 Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. Through 12 in., for Water Distribution
- Z. State of Ohio - Department of Transportation - Construction and Material Specifications as amended to date, Item 703.03, Fine Aggregate for Mortar or Grout.
- AA. State of Ohio - Department of Transportation - Construction and Material Specifications as amended to date, Item 706.04, Reinforced Concrete Elliptical Culvert, Storm Sewer, and Sewer Pipe.

- AB. State of Ohio - Department of Transportation - Construction and Material Specifications as amended to date, Item 706.10, Bituminous Pipe Joint Filler
- AC. State of Ohio - Department of Transportation - Construction and Material Specifications as amended to date, Item 706.13, Precast Reinforced Concrete Manhole Riser Sections, Catch Basin and Inlet Tops, and Temporary Barrier
- AD. State of Ohio - Department of Transportation - Construction and Material Specifications as amended to date, Item 707.33, Corrugated Polyethylene Smooth Lined Pipe

1.6 QUALITY ASSURANCE

- A. Qualifications
- B. Regulatory Requirements
- C. Certifications
- D. Field Samples
- E. Pre-Installation Conference

1.7 PROJECT CONDITIONS

- A. Environmental Requirements
- B. Existing Conditions
 1. Verify locations of underground utilities.
 2. Protect existing structures and utilities from damage. Repair if damaged by this work.
 3. Do not change pipe sizes without securing written approval of Engineer.
- C. Field Measurements
 1. If it becomes necessary to change location of storm drainage lines due to underground utility interference, secure approval of Engineer.
 2. If Contractor initiated, make changes approved by the Engineer without added cost to Owner.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Packing and Shipping
- B. Acceptance at Site
 1. All material and all equipment shall be subject to visual inspection and acceptance or rejection after delivery to the site of the work. All rejected material shall immediately be removed from the site.

C. Storage and Protection

1.9 SEQUENCING AND SCHEDULING

- A. Perform no pipe work in fill areas until embankment or fill has been completed to at least two (2) feet above proposed top of pipe and fill has been properly compacted.

PART 2 - PRODUCTS

2.1 PIPE

D. Reinforced Concrete Pipe

1. All reinforced concrete circular pipe shall be Class B pipe, conforming to ASTM C-76. Joints shall conform to the requirements of ASTM C-443 as it pertains to the use of confined O-Ring rubber gaskets placed in grooves cast in the spigot of the pipe such that the gaskets will be enclosed on all sides when the pipe is laid and the joint is completed. Cement used in manufacturing pipe and fittings shall be Type I conforming to ASTM C-150.
2. All reinforced concrete elliptical pipe shall conform to ASTM C-507, Class B as modified by ODOT 706.04. Bitumen sealants conforming to ASTM C-990 shall be used for joints in reinforced concrete elliptical pipe not subject to infiltration or exfiltration limits.
3. All pipe and fittings shall be marked or stenciled with the applicable ASTM specification designation on the interior surface of the pipe. All gaskets shall be marked or stenciled with the ASTM specification designation, name or trademark of the manufacturer, and pipe size.
4. Acceptable manufacturers shall be precertified by the Ohio Department of Transportation for the type of pipe specified.

2.2 PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS, INLETS AND CATCH BASINS

- A. All precast concrete units shall conform to ASTM C-478 and ODOT Item 706.13.
- B. Joints between manhole units shall be gasketed and shall comply with the requirements of ASTM C-443. All gaskets shall be marked or stenciled with the ASTM specification designation, name or trademark of the manufacturer, and pipe size.
- C. Joints between inlet or catch basin sections shall be sealed with material conforming to ODOT Item 706.10.

- D. The standard length of manhole riser units shall be 48 inches. Lengths of 32 inches or 16 inches shall be used to meet required dimensions.
- E. Openings for connecting pipes in riser units, bottom riser units, integral base units, and for access in flat slabs shall be preformed or cored by the manufacturer. Cut-out openings shall be made immediately after the pipe is removed from the casting form.
- F. Connectors between new precast concrete manholes and pipes shall be made by casting the connector integrally with the manhole wall. The connectors shall be "X-Cel" Type as manufactured by A-Lok Products; or an approved equivalent.
- G. All openings in existing manholes, inlets or catch basins shall be field cored.
- H. Annular spaces at pipe entrances shall be field sealed with a one component, hydraulic cement based, fast setting repair mortar equal to Thoro Products Waterplug as manufactured by ChemRex Inc., Shakopee, MN.
- I. The top four (4) inches to twelve (12) inches of the manhole shall provide for adjustment of casting to grade. Adjustment shall be through the use of a maximum of two (2) precast concrete adjusting collars.
- J. Precast concrete shall be manufactured by an NPCA certified plant.

2.3 MANHOLE STEPS

- A. All steps shall be minimum of twelve (12) inches in width with safety side lugs to prevent slipping and shall conform to the latest OSHA requirements. Manhole steps shall be of polypropylene plastic reinforced with a 3/8", No. 60 grade epoxy coated reinforcing rod.
- B. Manhole steps shall conform to the requirements of ASTM C-478.
- C. Acceptable manufacturers are:
 - 1. American Step Company, Inc.
 - 2. Lane International, Inc.
 - 3. M. A. Industries, Inc.

2.4 CASTINGS

- A. All castings shall be true to pattern and free from cracks, gas holes, flaws and excessive shrinkage. Surfaces shall be free from burnt-on sand and shall be reasonably smooth. Runners, fins, risers and other cast-on pieces shall be removed. Castings for frames, grates, covers and for any other purpose under these specifications shall conform to all the requirements for Class No. 35B for Gray Iron Castings conforming to ASTM A-48. All castings shall be commercially machineable and, in the case of manholes, the frame and cover shall be so machined

that it will be impossible to rock the cover after it has been seated in the proper position in the frame.

1. Frames, grates and covers shall be as detailed on the Drawings.
 2. Frame, grate, and cover shall be painted with one coat of the manufacturer's standard asphaltum paint.
- B. Acceptable manufacturers are:
1. East Jordan Iron Works
 2. Neenah

2.5 COUPLINGS

- A. Couplings for connecting dissimilar pipe materials or pipe sizes shall be a rubber type coupling with a sealing "O" ring under each of two sealing clamp bands and a Type 316 stainless steel shear ring. Coupling shall be manufactured with natural and synthetic rubbers conforming to ASTM C 425 and ASTM C 1173.
- B. Coupling shall be Flex-Seal Adjustable Repair Coupling as manufactured by the Mission Rubber Company, Corona, CA, or approved equal.

PART 3 - INSTALLATION

3.1 ALIGNMENT AND GRADE

- A. Horizontal and Vertical Control
 1. All horizontal and vertical control required for the complete layout and performance of the Work under this contract shall be done by a registered surveyor at the Contractor's expense, and any observations by the Engineer of the Contractor's methods will not relieve the Contractor of his responsibility.
 2. The Contractor shall be solely responsible for the accuracy of all horizontal and vertical control.
- B. Alignment and grade shall be established by means of a laser beam.
- C. The Contractor shall furnish all material and labor to establish line and grade of the generated laser beam from the benchmarks and control points indicated on the Drawings. The laser shall be securely anchored and checked periodically by the Contractor. The laser calibration shall be demonstrated when requested by the Engineer. Strict adherence to the manufacturer's operation procedure shall be observed. Only qualified and trained employees may be assigned to install, adjust, or operate laser equipment, and proof of qualifications of the equipment operator must be available at all times. Areas in which lasers are used must be posted with standard laser warning placards, and the laser beam shall be turned off when not

needed. During rain, snow, dust, excessive heat, or fog the operation of laser systems shall be prohibited where practicable because of beam scatter.

3.2 PIPE INSTALLATION

- A. All pipe installation shall conform to the trench and bedding details shown on the Drawings.
- B. PVC pipe shall be installed in full compliance with ASTM D-2321. Clay pipe shall be installed in full compliance with ASTM C-12. All concrete pipe shall be installed in conformity with recommended practices published by the American Concrete Pipe Association in the "Concrete Pipe Installation Manual".
- C. Only one type and strength of pipe shall be used between any two consecutive manholes, unless otherwise shown on the Drawings.
- D. After the trench has been excavated and the pipe bedded, the pipe shall be laid to the line and grade as shown on the Drawings. All joints shall be made as hereinafter specified. In no case shall any material except bedding material be placed under the bell of the pipe to secure proper grade.
- E. Prior to being lowered into the trench, each pipe shall be carefully inspected and those which are damaged or not meeting the specified requirements shall be rejected and clearly marked as rejected and removed from the Work. Satisfactory means shall be used to hold the pipe in line until embedment of pipe is complete. Precautions shall be taken to insure that the spigot end of the pipe being laid is pushed the proper depth into the bell of the preceding pipe.
- F. All conduit shall be laid starting at the outlet end and laid with the bell end upstream.
- G. In no case shall more than thirty (30) feet of trench be opened in advance of the pipe laying operations.
- H. Conduit shall not be laid in water, mud, or any otherwise unsuitable trench. No drainage shall run through the newly laid pipe. All sewers shall be temporarily capped with a watertight seal at the open ends at the completion of each day's work and no drainage water shall be permitted to flow through the sewer.
- I. All trenches and excavations shall be backfilled as specified as soon as possible after the pipe is laid and jointed. Where concrete encasement or cradle is used, pipe shall not be backfilled for at least twenty four (24) hours after placing concrete except that pipe may be covered to a depth of not to exceed sixteen (16) inches over the top of the pipe.

3.3 JOINTING

A. Concrete Pipe

1. Dust, dirt and foreign matter shall be removed from joint surfaces. A lubricant as furnished or recommended by the gasket manufacturer shall be applied to the gasket and joint surfaces with a brush, cloth pad, sponge or glove. For all gaskets not cemented to the pipe, a smooth round object shall be inserted under the gasket and run around the circumference two or three times to equalize stretch in the gasket. No jute or other caulking will be permitted. The spigot shall then be entered into the socket and the pipe shoved home in an approved manner to fully complete the particular type of joint which is being used.
2. When laying the pipe in concrete bedding, care shall be exercised to prevent the joint materials from coming in contact with the fresh concrete until after the joint has been completed.

3.4 PERMISSIBLE DEFLECTION AT JOINTS

- A. No pipe deflections or springing of joints, to effect a change in direction will be allowed, except by permission or direction of the Engineer, or as shown on the Drawings. Any permitted or directed deflection shall be a maximum of 80 percent of the allowable deflection value established by the pipe manufacturer.

3.5 MANHOLES

- A. Build each manhole to dimensions shown on Drawings and at such elevation that pipe sections built into wall of manhole will be true extensions of line of pipe.
- B. Set frames for manholes, within areas to be paved, to final grade. In asphalt pavement, surround frames set to grade with a ring of compacted asphalt concrete base material immediately after backfilling operations are complete. Place asphalt concrete mixture up to one (1) inch below top of frame, slope to grade, and compact with hand tamp.
- C. Storm manholes shall be constructed of precast concrete manhole sections, concrete masonry block, or concrete brick.
- D. Precast Concrete Manholes
1. Precast bases shall be placed on a bed of crushed gravel or crushed limestone, meeting AASHTO M 43 gradation, having a minimum thickness of three (3) inches. The bedding shall be compacted and provide uniform support for the entire area of the base.
 2. Provision shall be made for a minimum of four (4) inches and a maximum of twelve (12) inches of precast concrete grade rings between the uppermost precast section and the bottom of the cast iron manhole frame in order to set manhole cover to grade.
 3. No more than two lifting holes or other lifting devices shall be utilized for handling the precast sections. All lifting holes shall be acceptably sealed

with a hydraulic cement based, fast setting repair mortar, meeting the requirements of Article 2.2 of this Section, prior to backfilling around the manhole.

4. Inverts shall be formed to the equivalent of half-pipes in concrete and as follows:
 - a. Carry concrete out to the manhole wall with a slope of ½ in./ft. from the top of the half-pipe.
 - b. The bottoms of all manholes shall be channeled to conduct flow in the planned direction. Channels shall be the true shape of the lower half of the sewer pipe and shall match inverts of connecting pipe at the manhole wall.

3.6 INLETS AND CATCH BASINS

- A. Catch basins and inlets shall be built in accordance with the Drawings. Precast units shall be placed on a sand bed having a minimum thickness of three (3) inches. The bedding shall be compacted and provide uniform support for the entire area of the base.
- B. Set frames for catch basins and inlets, within areas to be paved, to final grade. Surround frames set to grade with a ring of compacted asphalt concrete base material immediately after backfilling operations are complete. Place asphalt concrete mixture up to one (1) inch below top of frame, slope to grade, and compact with hand tamp.
- C. For H-25 load rated PVC inlets, a minimum 10 inch thick Class C concrete ring shall be poured under the grate as shown on the Drawings. Regardless of loading condition, no brick, stone, or concrete block shall be used to adjust inlets or catch basin grates or covers to final grade.

3.7 MAINTAINING FLOW

- A. The Contractor shall be required to maintain the flow in all existing live sewers during construction and the method employed shall be approved by the Engineer.

3.8 REPLACING, MOVING AND REPAIRING OF EXISTING UTILITIES

- A. The Contractor shall replace, move, support, or repair and maintain all pipes for water, steam, air or gas, and all wire conduit(s), and all other structures encountered in the work and repair all damage done to any of the said structures and appurtenances through his acts or neglect and shall keep them in repair during the life of the Contract. The Contractor shall in all cases leave them in as good condition as they were previous to the commencement of the work and to the full satisfaction of the Owner.

3.9 CONNECTION TO EXISTING SEWER SYSTEM

- A. The Contractor shall make connections to the existing sewer system as shown on the Drawings. The connections shall be made by the Contractor at such hours that will cause the least disturbance to the flow in the existing sewer system. The Contractor, however, shall notify the Engineer at least five working days in advance of the time he desires to make the connections and no such connections shall be made until the permission of the Engineer is obtained.

3.10 CLEAN-UP

- A. Before final acceptance for the Work, the Contractor shall clear the sewers of any mortar, dirt or other refuse that may have been left or accumulated in the sewers. All manholes and other structures shall be cleared of all forms, scaffolding, bulkheads, centering, surplus mortar, rubbish or dirt and left in a clean and proper condition.

3.11 DEFECTS TO BE MADE GOOD

- A. If, at any time before the completion of the contract, any broken pipes, or any defects, are found in the storm sewers or in any of their appurtenances, the Contractor shall cause the same to be removed and replaced by proper material and workmanship, without extra compensation for the labor and material required. All materials shall be carefully examined by the Contractor for defects before placing and any found defective shall not be placed in the line.

END OF SECTION 334100

PREVAILING WAGE

SECTION 6

INSTRUCTIONS FOR PREPARING CERTIFIED PAYROLL REPORTS

General:

Contractors and subcontractors are required by law to submit certified payroll reports for work on projects covered by Ohio's Prevailing Wage Law. This form meets the reporting requirements established by Ohio Revised Code Chapter 4115. The use of this form is not mandatory; employers may submit their own forms provided that all of the required information is included. This form may be reproduced, or additional copies obtained from:

Ohio Bureau of Employment Services
Wage and Hour Division
131 North High Street 5th Floor
Columbus, Ohio 43216 (614) 644-2239

Certified Payroll Heading:

Employer name and address: Company's full name and address. Indicate if the company is a subcontractor, if so; list the name of the General or Prime.

Project: Name and location of the project, including county.

Contracting Public Authority: Name and address of the contracting public authority.

Week Ending: Month, day, and year for last day of reporting period.

Payroll #: Indicates first, second, third, etc., payroll filed by the company for the project.

Page indicator: Number of pages included in the report.

Project Number: Determined by the public authority. If there is no number leave blank.

Payroll Information by column:

1. Employee Name, Address and Social Security Number: This information must be provided for all employees that perform physical labor on the project. Corporate officers, partners, and salaried employees are considered employees and must be paid the prevailing rate. Individual sole proprietors do not have to pay themselves prevailing rate but must report their hours on the project.
2. Work Class: List classification of work actually performed by employee. If unsure of work classification, consult the Ohio Bureau of Employment Services, Wage and Hour Division. Employees working more than one classification should have separate line entries for each classification. Indicate what year/level for Apprentices. Be specific when using laborer and operator classifications, for example, Backhoe Operator or Asphalt Laborer.
3. Hours Worked, Day & Date: In the first row of column 3 enter days of pay period example, M T W TH F S SU. The second row is for the date that corresponds with each day for the pay period. In the employee information section enter the number of hours worked on the prevailing wage project and which day the hours were worked. Separate rows are labeled for (ST) straight time hours and (OT) overtime hours. All hours worked after 40, must be paid at the appropriate overtime rate.
4. Project Total Hours: Total the hours entered for pay period.
5. Base Rate: Enter actual rate per hour paid to the employee. The overtime hourly rate is time and one-half the base rate listed in the prevailing wage schedule plus fringe benefits at straight time rate. The prevailing wage schedule lists the base rate plus fringe benefit amounts. These amounts added together equal the total prevailing wage rate. Employers must pay this total amount in one of three ways.
 - a) Total rate may be paid in entirety in the base rate to the employee; in which case, the cash designation will be checked for fringe benefits.
 - b) Total rate may be paid as listed in prevailing wage rate schedule with total fringe amounts paid approved plans.
 - c) Total rate may be paid with a combination of base rate and fringe payments to approved plans in amounts other than those listed in schedule.
6. Project Gross: Enter total gross wages earned on the project for straight time and overtime. Project hours X base rate should equal project gross.
7. Fringes: If fringe benefits are paid in the hourly base rate, indicate this by marking the cash space. If fringe benefits are paid to approved plans as listed in the prevailing wage rate schedule, mark the space Approved Plans. If fringe benefits are paid partially in the base rate and partially to approved plans, mark the space Cash & Approved plans. List the hourly amount paid to approved plans for each fringe. If payments are not made on a per hour basis, calculate the hourly fringe credit by dividing the yearly employer contribution by the lesser of: hours actually worked in the year (these must be documented) or 2080. Fringe benefits include: Employer's share of health insurance, life insurance, retirement plan, bonus/profit sharing, sick pay, holiday pay, personal leave, vacation, and education/training programs.
8. Total Hours All Jobs: Total all hours worked during the pay period including non-prevailing wage jobs.
9. Total Gross All Jobs: Gross amount earned in the pay period for all hours worked.
10. Self explanatory
11. Self explanatory
12. Self explanatory

CERTIFIED PAYROLL REPORT

Employer Name and Address			Name of General/Prime Contractor				Project Name and Location					Contracting Public Authority				
Check if Subcontractor <input type="checkbox"/>		Week Ending:			Payroll #:		Page ___ of ___			Project Number:						
1. Employee Name, Address SSN		2. Work Class	3. Hours Worked Day & Date			4. Project Total Hrs	5. Base Rate	6. Project Gross	7. Fringes: Cash ___ Appd Plans ___ Cash & Approved Plans			8. Total Hrs All Jobs	9. Total Gross All Jobs	10. Taxes Withheld	11. Other Deducts	12. Net Paid
									H & W	Pens	Vac	Apo	Other			
		OT														
		ST														
		OT														
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Date _____ My signature on this form signifies that I pay, or supervise the payment of the employees shown above. I am certifying: 1) That during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done. 2) That fringe benefits have been paid as indicated above. 3) That no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissible deductions as defined in the Ohio Revised Code Chapter 4115. 4) That apprentices are registered with the U.S. Department of Labor Bureau of Apprenticeship and Training. The willful falsification of any of the above statements may subject the contractor or subcontractor to civil or criminal prosecution.

NAME AND TITLE _____ SIGNATURE _____

PLEASE BE ADVISED THAT THIS FORM IS INTENDED TO BE USED AS A SAMPLE ONLY. IT IS NOT INTENDED TO BE THE ACTUAL PAYROLL REPORT TO BE FILED. IN ORDER TO COMPLY WITH THE STATE STATUTE REGARDING THE FILING OF CERTIFIED PAYROLL REPORTS, THE REPORT FILED BY YOUR COMPANY MUST INCLUDE A STATEMENT CERTIFYING THAT THE "PAYROLL IS CORRECT AND COMPLETE AND THE WAGES PAID ARE NOT LESS THAN THOSE REQUIRED BY THE CONTRACT". IF YOU HAVE ANY QUESTIONS REGARDING THE FILING OF CERTIFIED PAYROLL REPORTS, PLEASE CONTACT THE OHIO BUREAU OF EMPLOYMENT SERVICES, WAGE AND HOUR DIVISION AT (614)-644-2239.

CERTIFICATION

Date

I, _____ (Name of signatory part) _____ (Title)

do hereby certify:

(1) That I pay or supervise the payment of the persons employed by

_____ on the _____
(Contractor or subcontractor) (Building or work)

_____ ; that during payroll period

commencing on the _____ day of _____ 20__ and

ending the _____ day of _____ 20__ all laborers

and mechanics employed on said project have been paid at the prevailing rate of wages for laborers and mechanics for the class of work called for by said project, and that no rebates have been or will be made either directly or indirectly to or on behalf of said

_____ (Contractor or subcontractor)

from the total wages earned by any person and that no deduction have been made either directly or indirectly from the total wages earned by any person, other than permissible deductions as defined in Chapter 4115. Ohio Revised Code, and described below:

(2) That this and all payrolls required to be submitted for the above period are correct and complete; that the prevailing wage rates for laborers and mechanics are not less than the prevailing wage rates then payable in the same trade or occupation in the locality where the work is being performed, as determined by the Ohio Department of Industrial Relations; and, that the classifications set forth for each laborer and mechanic conform with the work performed,

(3) That apprentices employed during the above period are duly registered in a bona fide apprenticeship program registered with the State Apprenticeship Council.

(4) That:

(a) WHERE FRINGE BENEFITS ARE PAID TO APPROVED PLANS, FUNDS, OR PROGRAMS

- In addition to the base hourly wage rates paid to each laborer or mechanic listed in the above referenced payroll, payments of fringe benefits as determined by the Ohio Department of Industrial Relations have been made to

_____ in the amount of: \$ _____ for the benefit of such employees, except as noted in Section 4(c) below.

(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 ratio plus the amount of the required fringe benefits as determined by the Ohio Department of Industrial Relations, except as noted in Section 4(c) below.

(c) EXCEPTIONS

EXCEPTION (CRAFT)	EXPLANATION

Ohio Bureau of Employment Services
Wage and Hour Division

Remarks: 145 South Front Street
PO Box 1618
Columbus, Ohio 43216-1618

Name and Title	Signature
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6.2.1

(SAMPLE)

AFFIDAVIT OF CONTRACTOR OR SUBCONTRACTOR

PREVAILING WAGES

Name of Company _____

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

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:

(Project Name & Location)

during the following period from _____ to _____

is in accordance with the prevailing wage prescribed by the contractor 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 _____, 20__.

(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 a final payment due under the terms of the Contract.

WAGE RATES

CURRENT PREVAILING
SUMMIT COUNTY

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 207 OH

Change # : LCN01-2018fbLoc207OH

Craft : Asbestos Worker Effective Date : 08/23/2018 Last Posted : 08/23/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Asbestos Abatement	\$25.50	\$7.25	\$6.45	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$39.92	\$52.67
Trainee	\$16.50	\$7.25	\$1.50	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$25.97	\$34.22

Special Calculation Note :

Ratio :

3 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA*, ATHENS, AUGLAIZE, BROWN, BUTLER*, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARDIN, HARRISON, HIGHLAND, HOCKING, HOLMES, HURON, KNOX, LAKE, LICKING, LOGAN, LORAIN, 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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Boilermaker Local 744

Change # : LCNO1-2019fbLoc744

Craft : Boilermaker Effective Date : 04/03/2019 Last Posted : 04/03/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Boilermaker	\$38.05		\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$67.76	\$86.78
Apprentice	Percent											
1st 6 months	70.02	\$26.64	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$56.35	\$69.67
2nd 6 months	72.52	\$27.59	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$57.30	\$71.10
3rd 6 months	75.00	\$28.54	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$58.25	\$72.52
4th 6 months	77.51	\$29.49	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$59.20	\$73.95
5th 6 months	80.00	\$30.44	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$60.15	\$75.37
6th 6 months	85.03	\$32.35	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$62.06	\$78.24
7th 6 months	90.00	\$34.25	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$63.96	\$81.08
8th 6 months	95.00	\$36.15	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$65.86	\$83.93
Helper	60.00	\$22.83	\$7.07	\$16.07	\$0.74	\$0.00	\$5.08	\$0.75	\$0.00	\$0.00	\$52.54	\$63.96

Special Calculation Note : Other is Supplemental Health

Ratio :

5 Journeymen to 1 Apprentice to 1 Helper

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CARROLL, COSHOCTON,
CUYAHOGA, GEAUGA, HARRISON, HOLMES,
LAKE, LORAIN, MAHONING, MEDINA,
PORTAGE, STARK, SUMMIT, TRUMBULL,
TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 36 Zone 2 Tile Finisher

Change # : LCN01-2019fbLoc7

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 05/01/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Tile Finisher	\$24.44		\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$37.22	\$49.44
Apprentice	Percent											
1st 6 months	60.00	\$14.66	\$8.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.66	\$30.00
2nd 6 months	70.00	\$17.11	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$29.89	\$38.44
3rd 6 months	75.00	\$18.33	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$31.11	\$40.28
4th 6 months	80.00	\$19.55	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$32.33	\$42.11
5th 6 months	85.00	\$20.77	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$33.55	\$43.94
6th 6 months	90.00	\$22.00	\$8.00	\$3.41	\$0.57	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$34.78	\$45.77

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 :

- 1-4 Journeymen to 1 Apprentice
- 5-10 Journeymen to 2 Apprentices
- 11-16 Journeymen to 3 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

The rate of Sewer Bricklayer will be \$.50 cents per above the building bricklayer's rate. Men working from cable or rope hung scaffold shall receive .50 cents per hour above building bricklayer rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 36 Zone 2 Tile Layer

Change # : LCN01-2020fbLoc7

Craft : Bricklayer Effective Date : 05/01/2020 Last Posted : 04/30/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Tile Layer	\$29.83		\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$43.69	\$58.60
Tile Layer Apprentice	Percent											
1st 30 days	60.00	\$17.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.90	\$26.85
1st 6 months	60.00	\$17.90	\$8.40	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.30	\$35.25
2nd 6 months	65.00	\$19.39	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$33.25	\$42.94
3rd 6 months	70.00	\$20.88	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$34.74	\$45.18
4th 6 months	75.00	\$22.37	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$36.23	\$47.42
5th 6 months	80.00	\$23.86	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$37.72	\$49.66
6th 6 months	85.00	\$25.36	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$39.22	\$51.89
7th 6 months	90.00	\$26.85	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$40.71	\$54.13
8th 6 months	95.00	\$28.34	\$8.40	\$3.62	\$0.64	\$0.00	\$1.20	\$0.00	\$0.00	\$0.00	\$42.20	\$56.37

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 :

1-4 Journeyman to 1 Apprentice
5-10 Journeymen to 2 Apprentice
11-16 Journeymen to 3 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: **Bricklayer Local 5 Marble Mason**

Change # : LCN01-2019fbLoc5

Craft : **Bricklayer** Effective Date : **05/01/2019** Last Posted : **04/24/2019**

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Horizontal Marble Mason	\$23.80		\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.15	\$53.05
Masonry Maintenance Specialist	\$11.90		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.90	\$17.85
Apprentice	Percent											
1st 6 Months	50.00	\$11.90	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.74	\$25.69
2nd 6 Months	60.00	\$14.28	\$7.84	\$1.60	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.33	\$31.47
3rd 6 Months	65.00	\$15.47	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.82	\$40.56
4th 6 Months	70.00	\$16.66	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.01	\$42.34
5th 6 Months	75.00	\$17.85	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.20	\$44.13
6th 6 Months	85.00	\$20.23	\$7.84	\$8.90	\$0.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.58	\$47.70
MASON TRAINEES												
1st 90 Days	45.00	\$10.71	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10.71	\$16.07
1st year after 90 Days	45.00	\$10.71	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.55	\$23.91
2nd Year	50.00	\$11.90	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.74	\$25.69

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

Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Ratio :

1-2 Journeyman to 1 Apprentice
3-4 Journeyman to 2 Apprentices
5-6 Journeyman to 2 Apprentices
6-10 Journeyman to 3 Apprentices

1 Apprentice permits 1 Mason Trainee
2 Apprentice permits 1 Mason Trainee
3 Apprentice permits 2 Mason Trainee
4 Apprentice permits 2 Mason Trainee

Special Jurisdictional Note :**Details :**

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
LORAIN, MEDINA, PORTAGE, SUMMIT

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Marble, Terrazzo & Mosaic

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/01/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Marble, Terrazzo, Mosaic	\$34.60		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.06	\$69.36
Swing Scaffold Workers	\$35.35		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.81	\$70.49
Stack	\$35.10		\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$52.56	\$70.11
Masonry Maintenance	\$15.57		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.57	\$23.35
Apprentice	Percent											
1st 6 months	50.00	\$17.30	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.14	\$33.79
2nd 6 months	55.00	\$19.03	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.49	\$46.01
3rd 6 months	60.00	\$20.76	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.22	\$48.60
4th 6 months	65.00	\$22.49	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.95	\$51.20
5th 6 months	70.00	\$24.22	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.68	\$53.79
6th 6 months	75.00	\$25.95	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.41	\$56.39
7th 6 months	80.00	\$27.68	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.14	\$58.98
8th 6 months	85.00	\$29.41	\$7.84	\$8.90	\$0.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.87	\$61.57
MASON TRAINEES 1st 90 Days	45.00	\$15.57	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.57	\$23.35
1st Year after 90 Days	45.00	\$15.57	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.41	\$31.19
2nd Year	50.00	\$17.30	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.14	\$33.79

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Ratio :

1-2 Journeyman to 1 Apprentice
3-4 Journeyman to 2 Apprentices
5-6 Journeyman to 3 Apprentices
7-10 Journeyman to 4 Apprentices

1 Apprentice permits 1 Mason Trainee
2 Apprentice permits 1 Mason Trainee
3 Apprentice permits 2 Mason Trainee
4 Apprentice permits 2 Mason Trainee

Special Jurisdictional Note :**Details :**

In the mutual interest of both Employer and Union and to promote the masonry industry, it is agreed that the Employer may work with the Union and the Local Educational Partners in the jurisdiction of this agreement to employ School to work students provided that no conflicts exist with any Federal or State Laws. Employer must be party to a bonified Apprenticeship and Training program registered with the State of Ohio (OSAC). It is further agreed by both parties that the wages for the Masonry Maintenance Specialist shall be forty-five percent (45%) of the journeyman rate with no fringe benefits or as specified by the Local Educational Partner in the jurisdiction of the agreement.

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, GEAUGA, LAKE, PORTAGE,
SUMMIT

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Tile & Marble Finisher

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/23/2019 Last Posted : 05/23/2019

	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	\$28.43		\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.35	\$55.57
Apprentice Tile Marble Finishers	Percent											
1st 6 months	60.00	\$17.06	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.90	\$33.43
2nd 6 months	70.00	\$19.90	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.82	\$42.77
3rd 6 months	75.00	\$21.32	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.24	\$44.90
4th 6 months	80.00	\$22.74	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.66	\$47.04
5th 6 months	85.00	\$24.17	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.09	\$49.17
6th 6 months	90.00	\$25.59	\$7.84	\$4.46	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.51	\$51.30

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 Journeymen to 1 Apprentice
- 3- 4 Journeymen to 2 Apprentice
- 5-6 Journeymen to 3 Apprentice
- 7-8 Journeymen to 4 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it.

They shall handle and distribute all materials such as sand, cement, lime, tile, all types of tile panels, prefabricated tile units, plastic materials and protective covering of all tile. Clean up and removal of always used in connection of said work.

Terrazzo Finishers: Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

Marble Finishers: Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waster material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 5 Terrazzo Finisher

Change # : LCN01-2019fbLoc5

Craft : Bricklayer Effective Date : 05/23/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Terrazzo Finisher	\$28.05		\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.35	\$55.38
Apprentice Terrazzo Finishers												
	Percent											
1st 6 months	60.00	\$16.83	\$7.84	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.67	\$33.08
2nd 6 months	70.00	\$19.63	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.93	\$42.75
3rd 6 months	75.00	\$21.04	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.34	\$44.86
4th 6 months	80.00	\$22.44	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.74	\$46.96
5th 6 months	85.00	\$23.84	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.14	\$49.06
6th 6 months	90.00	\$25.25	\$7.84	\$4.84	\$0.62	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.54	\$51.17

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 Journeymen to 1 Apprentice
- 3- 4 Journeymen to 2 Apprentices
- 5- 6 Journeymen to 3 Apprentices
- 7- 8 Journeymen to 4 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

- ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Tile Finishers:do all the cleaning, acid washing,grouting,by any methods or means. Also unpacking of all tiles,opening of all mastic containers,mixing of all mortar,thin-set and epoxy materials,also the distribution of it. They shall handle and distribute all materials such as sand,cement,lime,tile,all types of tile panels,prefabricated tile units, plastic materials and protective covering of all tile.Clean up and removal of always used in connection of said work.

Terrazzo Finishers:Assisting in grinding, and handling of material whether by hand or wheel barrow, or power buggies, including sand Portland cement, resinous cement and admixtures, aggregates of marble, stone or other compositions, bonding adhesives, sealers, waxes, and coatings used for Terrazzo Mosaic work, preparing, mixing by hand or machine, and distributing (spreading) all kinds of underbed or underlayment necessary and all scratch coat used for terrazzo and mosaic work. Also the rubbing, grinding, cleaning, sealing and polishing same either by hand or machine. will assist in the installation of the sand bed, tar paper, wire lath, divider strips, and rolling procedures and acid etching of all concrete floors that require it before installation. Shall handle all materials and assist in the installation of all types of terrazzo floors whether conventional or thin-set variety.

Marble Finishers:Loading and unloading handling and distributing of marble materials including the mixing of all materials used for the installation of marble, such as cement underbeds for the floors, thin-set or epoxies including but not limited to plastic materials. Clean up and removal of all waster material of said work. Cleaning and grouting of all marble and slate, and all polishing of marble and slate floors.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 7

Change # : LCR02-2019fbLoc7

Craft : Bricklayer Effective Date : 12/04/2019 Last Posted : 12/04/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer	\$31.29		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.20	\$65.84
Pointer Caulker Cleaner	\$31.29		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.20	\$65.84
Swing Scaffold Workers	\$31.79		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.70	\$66.59
Sewer Stack	\$31.79		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.70	\$66.59
Hot Pay	\$32.29		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$51.20	\$67.35
Stone Mason	\$31.29		\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$50.20	\$65.84
Apprentice	Percent											
1st 6 Months	60.00	\$18.77	\$8.13	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.90	\$36.29
2nd 6 Months	65.00	\$20.34	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$39.25	\$49.42
3rd 6 Months	70.00	\$21.90	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$40.81	\$51.76
4th 6 Months	75.00	\$23.47	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$42.38	\$54.11
5th 6 Months	80.00	\$25.03	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$43.94	\$56.46
6th 6 Months	85.00	\$26.60	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$45.51	\$58.80
7th 6 Months	90.00	\$28.16	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$47.07	\$61.15
8th 6 Months	95.00	\$29.73	\$8.13	\$8.08	\$0.70	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$48.64	\$63.50

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

Ratio :

- 5 Journeymen to 1 Apprentice
- 10 Journeymen to 2 Apprentice
- 15 Journeymen to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

1 Journeymen to 1 Apprentice
5 Journeymen to 1 Apprentice
10 Journeymen to 2 Apprentice
15 Journeymen to 3 Apprentice

PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Commercial NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$30.78		\$7.22	\$9.18	\$0.50	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$50.16	\$65.55
Apprentice	Percent											
1st 3 months	60.00	\$18.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.47	\$27.70
2nd 3 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
2nd 6 months is 1st year	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
3rd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
4th 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$35.42
5th 6 months	70.00	\$21.55	\$7.22	\$6.43	\$0.50	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$37.44	\$48.21
6th 6 months	75.00	\$23.08	\$7.22	\$6.89	\$0.50	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$39.56	\$51.10
7th 6 months	80.00	\$24.62	\$7.22	\$7.34	\$0.50	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$41.66	\$53.98
8th 6 months	85.00	\$26.16	\$7.22	\$7.80	\$0.50	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$43.79	\$56.87

Special Calculation Note :

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Floorlayer NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Floorlayer	\$30.78		\$7.22	\$9.18	\$0.52	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$50.18	\$65.57
Apprentice	Percent											
1st 3 months	60.00	\$18.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.47	\$27.70
2nd 3 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
2nd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
3rd 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
4th 6 months	60.00	\$18.47	\$7.22	\$0.00	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.21	\$35.44
5th 6 months	70.00	\$21.55	\$7.22	\$6.43	\$0.52	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$37.46	\$48.23
6th 6 months	75.00	\$23.08	\$7.22	\$6.89	\$0.52	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$39.58	\$51.12
7th 6 months	80.00	\$24.62	\$7.22	\$7.34	\$0.52	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$41.68	\$54.00
8th 6 months	85.00	\$26.16	\$7.22	\$7.80	\$0.52	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$43.81	\$56.89

Special Calculation Note :

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Insulation NE Zone 1A

Change # : LCN01-2019fbLocNEZone1A

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Insulation	\$24.62		\$7.22	\$9.18	\$0.50	\$0.00	\$2.48	\$0.00	\$0.00	\$0.00	\$44.00	\$56.31
Apprentice	Percent											
1st 3 months	50.00	\$12.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.31	\$18.46
2nd 3 months	50.00	\$12.31	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.03	\$26.18
2nd 6 months	50.00	\$12.31	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.03	\$26.18
3rd 6 months	55.00	\$13.54	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.26	\$28.03
4th 6 months	60.00	\$14.77	\$7.22	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.49	\$29.88
5th 6 months	70.00	\$17.23	\$7.22	\$6.43	\$0.50	\$0.00	\$1.74	\$0.00	\$0.00	\$0.00	\$33.12	\$41.74
6th 6 months	75.00	\$18.46	\$7.22	\$6.89	\$0.50	\$0.00	\$1.86	\$0.00	\$0.00	\$0.00	\$34.93	\$44.17
7th 6 months	80.00	\$19.70	\$7.22	\$7.34	\$0.50	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$36.74	\$46.58
8th 6 months	85.00	\$20.93	\$7.22	\$7.80	\$0.50	\$0.00	\$2.11	\$0.00	\$0.00	\$0.00	\$38.56	\$49.02

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

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Insulation NE Zone 1A

Change # : LCN01-2018fbLocNEZone1A

Craft : Carpenter Effective Date : 09/19/2018 Last Posted : 09/19/2018

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Insulation	\$24.49		\$6.80	\$8.58	\$0.45	\$0.00	\$2.37	\$0.00	\$0.00	\$0.00	\$42.69	\$54.93
Apprentice	Percent											
1st 3 months	50.00	\$12.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.25	\$18.37
2nd 3 months	50.00	\$12.25	\$6.80	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.49	\$25.62
2nd 6 months	50.00	\$12.25	\$6.80	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$19.49	\$25.62
3rd 6 months	55.00	\$13.47	\$6.80	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.72	\$27.45
4th 6 months	60.00	\$14.69	\$6.80	\$0.00	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.94	\$29.29
5th 6 months	70.00	\$17.14	\$6.80	\$6.01	\$0.45	\$0.00	\$1.66	\$0.00	\$0.00	\$0.00	\$32.06	\$40.63
6th 6 months	75.00	\$18.37	\$6.80	\$6.44	\$0.45	\$0.00	\$1.78	\$0.00	\$0.00	\$0.00	\$33.84	\$43.02
7th 6 months	80.00	\$19.59	\$6.80	\$6.86	\$0.45	\$0.00	\$1.90	\$0.00	\$0.00	\$0.00	\$35.60	\$45.40
8th 6 months	85.00	\$20.82	\$6.80	\$7.29	\$0.45	\$0.00	\$2.01	\$0.00	\$0.00	\$0.00	\$37.37	\$47.77

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

Ratio :
2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
MEDINA, PORTAGE, SUMMIT

Special Jurisdictional Note :

Details :

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 :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Millwright NE Zone M1

Change # : LCN01-2019fbLocNEZoneM1

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Millwright	\$30.54		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$52.10	\$67.37
Certified Welder	\$31.54		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$53.10	\$68.87
Layout man on Monorail	\$32.29		\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$53.85	\$69.99
Apprentice	Percent											
1st 6 months	60.00	\$18.32	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$39.88	\$49.05
2nd 6 months	60.00	\$18.32	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$39.88	\$49.05
3rd 6 months	62.00	\$18.93	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$40.49	\$49.96
4th 6 months	65.50	\$20.00	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$41.56	\$51.57
5th 6 months	69.00	\$21.07	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$42.63	\$53.17
6th 6 months	72.50	\$22.14	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$43.70	\$54.77
7th 6 months	76.00	\$23.21	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$44.77	\$56.38
8th 6 months	80.00	\$24.43	\$7.04	\$9.53	\$0.50	\$0.00	\$4.44	\$0.05	\$0.00	\$0.00	\$45.99	\$58.21

Special Calculation Note : Other \$0.05 is for UBC Millwright Promotional Fund

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :

The term "Millwright and Machine Erectors" jurisdiction shall mean the unloading, hoisting, rigging, skidding, moving, dismantling, aligning, erecting, assembling, repairing, maintenance and adjusting of all structures, processing areas either under cover, under ground or elsewhere, required to process material, handle, manufacture or service, be it powered or receiving power manually, by steam, gas, electricity, gasoline, diesel, nuclear, solar, water, air or chemically, and in industries such as and including, which are identified for the purpose of description, but not limited to, the following: woodworking plants; canning industries; steel mills; coffee roasting plants; paper and pulp; cellophane; stone crushing; gravel and sand washing and handling; refineries; grain storage and handling; asphalt plants; sewage disposal; water plants; laundries; bakeries; mixing plants; can, bottle and bag packing plants; textile mills; paint mills; breweries; milk processing plants; power plants; aluminum processing or manufacturing plants; and amusement and entertainment fields. The installation of mechanical equipment in atomic energy plants; installation of reactors in power plants; installation of control rods and equipment in reactors; and installation of mechanical equipment in rocket missile bases, launchers, launching gantry, floating bases, hydraulic escape doors and any and all component parts thereto, either assembled, semi-assembled or disassembled. The installation of, but not limited to, the following: setting-up of all engines, motors, generators, air compressors, fans, pumps, scales, hoppers, conveyors of all types, sizes and their supports; escalators; man lifts; moving sidewalks; hoists; dumb waiters; all types of feeding machinery; amusement devices; mechanical pin setters and spotters in bowling alleys; refrigeration equipment; and the installation of all types of equipment necessary and required to process material either in the manufacturing or servicing. The handling and installation of pulleys, gears, sheaves, fly wheels, air and vacuum drives, worm drives and gear drives directly or indirectly coupled to motors, belts, chains, screws, legs, boots, guards, booth tanks, all bin valves, turn heads and indicators, shafting, bearings, cable sprockets, cutting all key seats in new and old work, troughs, chippers, filters, calendars, rolls, winders, rewinders, slitters, cutters, wrapping machines, blowers, forging machines, rams, hydraulic or otherwise, planing, extruder, ball, dust collectors, equipment in meat packing plants, splicing of ropes and cables. The laying-out, fabrication and installation of protection equipment including machinery guards, making and setting of templates for machinery, fabrication of bolts, nuts, pans, drilling of holes for any equipment which the Millwrights install regardless of materials; all welding and burning regardless of type, fabrication of all lines, hose or tubing used in lubricating machinery installed by Millwrights; grinding, cleaning, servicing and any machine work necessary for any part of any equipment installed by the Millwrights; and the break-in and trial run of any equipment or machinery installed by the Millwrights. It is agreed the Millwrights shall use the layout tools and optic equipment necessary to perform their work.

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Pile Driver NE Zone P1

Change # : LCN01-2019fbLocNEZoneP1

Craft : Carpenter Effective Date : 05/30/2019 Last Posted : 05/30/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter Pile Driver	\$30.81		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$52.10	\$67.50
Diver	\$46.22		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$67.51	\$90.62
Certified Welder	\$31.86		\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$53.15	\$69.08
Apprentice	Percent											
1st 6 months	60.00	\$18.49	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$39.78	\$49.02
2nd 6 months	60.00	\$18.49	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$39.78	\$49.02
3rd 6 months	62.00	\$19.10	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$40.39	\$49.94
4th 6 months	65.50	\$20.18	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$41.47	\$51.56
5th 6 months	69.00	\$21.26	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$42.55	\$53.18
6th 6 months	72.50	\$22.34	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$43.63	\$54.80
7th 6 months	76.00	\$23.42	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$44.71	\$56.41
8th 6 months	80.00	\$24.65	\$7.03	\$9.53	\$0.50	\$0.00	\$4.23	\$0.00	\$0.00	\$0.00	\$45.94	\$58.26

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

Ratio :

2 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, ASHTABULA, CUYAHOGA, ERIE, GEAUGA, HURON, LAKE, LORAIN, MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :

Pile Drivers duties shall include but not limited to: Pile driving, milling, fashioning, joining assembling, erecting, fastening, or dismantling of all material of wood, plastic, metal, fiber, cork and composition and all other substitute materials: pile driving, cutting, fitting and placing of lagging, and the handling, cleaning, erecting, installing and dismantling of machinery, equipment and erecting pre-engineered metal buildings. Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling and reloading all equipment that is used for pile driving including pile butts is defined as sheeting or scrap piling. Underwater work that may be required in connection with the installation of piling. The driver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete or composite that is jetted, driven or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary. The construction of all wharves and docks, including the fabrication and installation of floating docks. Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite, loading, unloading, erecting, framing, dismantling, moving and handling of pile driving equipment piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams and erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline, work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed. Rate shall include carpenters, acoustic and ceiling installers, drywall installers, pile drivers and floorlayers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Statewide Office Systems

Change # : LCN01-2010jcJurSTWIDEOfficeSystems

Craft : Carpenter Effective Date : 07/27/2010 Last Posted : 07/27/2010

		Fringe Benefit Payments									
		BHR	H&W	Pension	App Tr.	Vac.	Annuity	Other	Total PWR	Overtime Rate	
Classification											
Carpenter Installers		\$16.00	\$5.27	\$1.00	\$0.08	\$0.00	\$0.00	\$0.00	\$22.35	\$30.35	
Helper		\$9.50	\$5.27	\$0.00	\$0.08	\$0.00	\$0.00	\$0.00	\$14.85	\$19.60	
Installer Trainee	Percent										
1st 6 months	59.40	\$9.50	\$5.27	\$0.00	\$0.08	\$0.00	\$0.00	\$0.00	\$14.85	\$19.61	
2nd 6 Months	62.00	\$9.92	\$5.27	\$0.00	\$0.08	\$0.00	\$0.00	\$0.00	\$15.27	\$20.23	
3rd 6 Months	65.00	\$10.40	\$5.27	\$0.00	\$0.08	\$0.00	\$0.00	\$0.00	\$15.75	\$20.95	
4th 6 Months	67.95	\$10.87	\$5.27	\$0.79	\$0.08	\$0.00	\$0.00	\$0.00	\$17.01	\$22.45	
5th 6 months	70.95	\$11.35	\$5.27	\$0.83	\$0.08	\$0.00	\$0.00	\$0.00	\$17.53	\$23.21	
6th 6 Months	73.90	\$11.82	\$5.27	\$0.86	\$0.08	\$0.00	\$0.00	\$0.00	\$18.03	\$23.95	
7th 6 Months	76.90	\$12.30	\$5.27	\$0.90	\$0.08	\$0.00	\$0.00	\$0.00	\$18.55	\$24.71	
8th 6 Months	79.85	\$12.78	\$5.27	\$0.93	\$0.08	\$0.00	\$0.00	\$0.00	\$19.06	\$25.44	
9th 6 months	82.80	\$13.25	\$5.27	\$1.00	\$0.08	\$0.00	\$0.00	\$0.00	\$19.60	\$26.22	

Special Calculation Note : Helper H&W after 90 days probationary period

Ratio :

1 Installer to 1 Trainee or 1 Helper

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 :

Office systems is defined as modular systems with demountable units such as desks, partitions and shelving. All work in connection with the assembly, reconfiguration and repair of all work in the office system field.

INSTALLER: is defined as a qualified office systems mechanic capable of laying out, estimating and installing various office system manufactured products.

INSTALL TRAINEE: is defined as a person training in the estimating, layout and installation in all facets of the office systems industry. An installer trainee will work to assist an installer or lead installer in all installations. He is NOT permitted to work without the assistance of lead installer

INSTALL HELPER: is defined as a person who assists in the delivery, staging and clean up of related office system work. He is NOT to be involved with the installation or layout of work related to office systems.

Receiving, unloading, unpacking, & removal of rubbish shall be done by install helpers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 Hwy A

Change # : LCN01-2019fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2019 Last Posted : 05/29/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Sewer Water Works A	\$29.34		\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.45	\$60.12
Apprentice	Percent											
1st year	50.00	\$14.67	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.78	\$38.12
2nd year	70.00	\$20.54	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.65	\$46.92
3rd year	90.00	\$26.41	\$9.25	\$6.41	\$0.45	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.52	\$55.72

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

- 3 Journeymen to 1 Apprentice
- 6 Journeymen to 2 Apprentice
- 9 Journeymen to 3 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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 HevHwy B

Change # : LCN01-2019fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2019 Last Posted : 05/29/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B	\$30.33		\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.45	\$61.62
Apprentice	Percent											
1st year	50.00	\$15.16	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.28	\$38.87
2nd year	70.00	\$21.23	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.35	\$47.97
3rd year	90.00	\$27.30	\$9.25	\$6.41	\$0.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.42	\$57.07

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

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.

Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit A District II

Change # : LCN01-2020fbCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2020 Last Posted : 04/30/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$30.11		\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$48.41	\$63.46
Apprentice Percent												
1st Year	70.00	\$21.08	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$39.38	\$49.92
2nd Year	80.00	\$24.09	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$42.39	\$54.43
3rd Year	90.00	\$27.10	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$45.40	\$58.95

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

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFIANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

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

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason & Plasterer Local 109

Change # : LCN01-2019fbLoc109

Craft : Cement Effective Date : 08/28/2019 Last Posted : 08/28/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)		
Classification											
Cement Mason	\$29.54	\$8.59	\$6.90	\$0.40	\$0.00	\$4.00	\$0.06	\$0.00	\$0.00	\$49.49	\$64.26
Plasterer	\$28.83	\$8.09	\$6.90	\$0.40	\$0.00	\$3.75	\$0.06	\$0.00	\$0.00	\$48.03	\$62.44
Apprentice Cement Mason	Percent										
1st year	70.00	\$20.68	\$8.59	\$6.90	\$0.40	\$4.00	\$0.06	\$0.00	\$0.00	\$40.63	\$50.97
2nd year	80.00	\$23.63	\$8.59	\$6.90	\$0.40	\$4.00	\$0.06	\$0.00	\$0.00	\$43.58	\$55.40
3rd year	90.00	\$26.59	\$8.59	\$6.90	\$0.40	\$4.00	\$0.06	\$0.00	\$0.00	\$46.54	\$59.83
Plasterer Apprentice											
1st year	68.35	\$20.19	\$8.09	\$6.90	\$0.40	\$3.75	\$0.06	\$0.00	\$0.00	\$39.39	\$49.49
2nd year	78.10	\$23.07	\$8.09	\$6.90	\$0.40	\$3.75	\$0.06	\$0.00	\$0.00	\$42.27	\$53.81
3rd year	87.85	\$25.95	\$8.09	\$6.90	\$0.40	\$3.75	\$0.06	\$0.00	\$0.00	\$45.15	\$58.13

Special Calculation Note : Other is for International Training.

Ratio :

1 Journeymen to 1 Apprentice
5 Journeymen to 2 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

CARROLL, HOLMES, MEDINA, PORTAGE,
STARK, SUMMIT, TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Finishers when applying colorshake shall be paid an additional \$2.00 per DAY.
Swing Scaffolds up to 50 feet shall be paid \$0.25 above the Journeymen rate.
Swing Scaffolds over 50 feet shall be paid \$0.35 above the Journeymen rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide Hwy Exhibit A District II

Change # : OCN01-2019fbCementHwy

Craft : Cement Mason Effective Date : 07/31/2019 Last Posted : 07/31/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason	\$29.36		\$8.00	\$6.90	\$0.71	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$47.22	\$61.90
Apprentice	Percent											
1st Year	70.00	\$20.55	\$8.00	\$6.90	\$0.71	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$38.41	\$48.69
2nd Year	80.00	\$23.49	\$8.00	\$6.90	\$0.71	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$41.35	\$53.09
3rd Year	90.00	\$26.42	\$8.00	\$6.90	\$0.71	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$44.28	\$57.50

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

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFIANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

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

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit B District II

Change # : LCN01-2019fbCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2020 Last Posted : 04/30/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$30.98		\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$49.28	\$64.77
Apprentice Percent												
1st Year	70.00	\$21.69	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$39.99	\$50.83
2nd Year	80.00	\$24.78	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$43.08	\$55.48
3rd Year	90.00	\$27.88	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$46.18	\$60.12

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

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFIANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

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

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside

Change # : LCN01-2019fbLoc306in

Craft : Electrical Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$34.89		\$9.71	\$1.05	\$0.70	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$55.35	\$72.79
Electrician w/10 hrs JATC training in the past 12 months	\$35.39		\$9.71	\$1.06	\$0.71	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$55.87	\$73.56
Cable Splicer	\$38.38		\$9.71	\$1.15	\$0.77	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$59.01	\$78.20
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.93		\$9.71	\$1.17	\$0.78	\$0.00	\$9.00	\$0.00	\$0.00	\$0.00	\$59.59	\$79.05
Apprentice	Percent											
1st period	40.00	\$13.96	\$9.71	\$0.42	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.37	\$31.34
2nd period	45.00	\$15.70	\$9.71	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$34.04
3rd period	50.00	\$17.44	\$9.71	\$0.52	\$0.35	\$0.00	\$4.50	\$0.00	\$0.00	\$0.00	\$32.53	\$41.25
4th period	55.00	\$19.19	\$9.71	\$0.58	\$0.38	\$0.00	\$4.95	\$0.00	\$0.00	\$0.00	\$34.81	\$44.40
5th period	65.00	\$22.68	\$9.71	\$0.68	\$0.45	\$0.00	\$5.85	\$0.00	\$0.00	\$0.00	\$39.37	\$50.71
6th period	80.00	\$27.91	\$9.71	\$0.84	\$0.56	\$0.00	\$7.20	\$0.00	\$0.00	\$0.00	\$46.22	\$60.18

Special Calculation Note :

Ratio :

- Each job site
- 2 Apprentices to 3 Journeymen or fraction thereof:
- 1 - 3 Journeymen to 2 Apprentice
- 4 - 6 Journeymen to 4 Apprentice
- 7 - 9 Journeymen to 6 Apprentice
- 10-12 Journeymen to 8 Apprentice
- 13-15 Journeymen to 10 Apprentice

First person assigned to a job site shall be a Journeyman Wireman

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside Lt Commercial Northern

Change # : LCN02-2019fbLoc306in

Craft : Electrical Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$34.89		\$8.90	\$1.04	\$0.70	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.34	\$72.78
Electrician w/10 hrs JATC training in the past 12 months	\$35.39		\$8.90	\$1.06	\$0.71	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.87	\$73.56
Cable Splicer	\$38.38		\$8.90	\$1.15	\$0.77	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.01	\$78.20
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.93		\$8.90	\$1.17	\$0.78	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.59	\$79.06
CE-3 12,001-14,000 Hrs	\$25.00		\$5.95	\$0.75	\$0.82	\$0.00	\$0.75	\$0.10	\$0.00	\$0.00	\$33.37	\$45.87
CE-2 10,001-12,000 Hrs	\$19.64		\$5.95	\$0.59	\$0.82	\$0.00	\$0.59	\$0.10	\$0.00	\$0.00	\$27.69	\$37.51
CE-1 8,001-10,000 Hrs	\$17.86		\$5.95	\$0.54	\$0.82	\$0.00	\$0.54	\$0.10	\$0.00	\$0.00	\$25.81	\$34.74
CW-4 6,001-8,000 Hrs	\$16.07		\$5.95	\$0.48	\$0.82	\$0.00	\$0.48	\$0.10	\$0.00	\$0.00	\$23.90	\$31.94
CW-3 4,001-6,000 Hrs	\$14.28		\$5.95	\$0.43	\$0.82	\$0.00	\$0.43	\$0.10	\$0.00	\$0.00	\$22.01	\$29.15
CW-2 2,001-4,000 Hrs	\$13.39		\$5.95	\$0.40	\$0.82	\$0.00	\$0.40	\$0.10	\$0.00	\$0.00	\$21.06	\$27.75
CW-1 0-2,000 Hrs	\$12.50		\$5.95	\$0.38	\$0.82	\$0.00	\$0.38	\$0.10	\$0.00	\$0.00	\$20.13	\$26.38
Apprentice	Percent											
1st period	40.00	\$13.96	\$9.71	\$0.42	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.37	\$31.34
2nd period	45.00	\$15.70	\$9.71	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$34.04
3rd period	50.00	\$17.44	\$9.71	\$0.52	\$0.35	\$0.00	\$4.50	\$0.00	\$0.00	\$0.00	\$32.53	\$41.25
4th period	55.00	\$19.19	\$9.71	\$0.58	\$0.38	\$0.00	\$4.95	\$0.00	\$0.00	\$0.00	\$34.81	\$44.40
5th period	65.00	\$22.68	\$9.71	\$0.68	\$0.45	\$0.00	\$5.85	\$0.00	\$0.00	\$0.00	\$39.37	\$50.71
6th period	80.00	\$27.91	\$9.71	\$0.84	\$0.56	\$0.00	\$7.20	\$0.00	\$0.00	\$0.00	\$46.22	\$60.18

Special Calculation Note : Other is for Retirement Health and Welfare and Administration Fund for CE/CW.

Ratio :

Each job site
2 Apprentices to 3 Journeymen or fraction thereof:
1 - 3 Journeymen to 2 Apprentice
4 - 6 Journeymen to 4 Apprentice
7 - 9 Journeymen to 6 Apprentice
10-12 Journeymen to 8 Apprentice
13-15 Journeymen to 10 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

First person assigned to a job site shall be a Journeyman Wireman

Construction Electrician and Construction Wireman Ratio

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

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Canaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

The scope of work for the light commercial agreement shall apply to the following small medical clinics, stand-alone doctor and dentist offices with up to 600 amp service (not attached to a hospital), gas stations/convenience stores, fast food restaurants and franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurants facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless other wise covered under this 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.

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Lightning Rod

Change # : LCN01-2019fbLoc306VDV

Craft : Voice Data Video Effective Date : 07/10/2019 Last Posted : 07/10/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lightning Protection Installer	\$29.50		\$7.50	\$0.89	\$0.00	\$2.09	\$1.77	\$0.00	\$0.00	\$0.00	\$41.75	\$56.50
Apprentice	Percent											
1st Day- 6 months	50.00	\$14.75	\$7.50	\$0.44	\$0.00	\$0.00	\$0.89	\$0.39	\$0.00	\$0.00	\$23.97	\$31.35
2nd 6 months	55.00	\$16.23	\$7.50	\$0.49	\$0.00	\$0.00	\$0.97	\$0.43	\$0.00	\$0.00	\$25.61	\$33.73
3rd 6 months	60.00	\$17.70	\$7.50	\$0.53	\$0.00	\$0.87	\$1.06	\$0.00	\$0.00	\$0.00	\$27.66	\$36.51
4th 6 months	65.00	\$19.17	\$7.50	\$0.58	\$0.00	\$0.94	\$1.15	\$0.00	\$0.00	\$0.00	\$29.34	\$38.93
3rd Year	70.00	\$20.65	\$7.50	\$0.62	\$0.00	\$1.47	\$1.24	\$0.00	\$0.00	\$0.00	\$31.48	\$41.80
4th Year	80.00	\$23.60	\$7.50	\$0.71	\$0.00	\$1.68	\$1.42	\$0.00	\$0.00	\$0.00	\$34.91	\$46.71
5th Year	90.00	\$26.55	\$7.50	\$0.80	\$0.00	\$1.89	\$1.59	\$0.00	\$0.00	\$0.00	\$38.33	\$51.61

Special Calculation Note : Other is Holiday

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Special Jurisdictional Note : In Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York). In Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield). In Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside

Change # : LCN01-2018fbLoc306in

Craft : Electrical Effective Date : 06/20/2018 Last Posted : 06/20/2018

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$34.54		\$9.36	\$1.04	\$0.69	\$0.00	\$8.70	\$0.00	\$0.00	\$0.00	\$54.33	\$71.60
Electrician w/10 hrs JATC training in the past 12 months	\$35.04		\$9.36	\$1.05	\$0.70	\$0.00	\$8.70	\$0.00	\$0.00	\$0.00	\$54.85	\$72.37
Cable Splicer	\$37.99		\$9.36	\$1.14	\$0.76	\$0.00	\$8.70	\$0.00	\$0.00	\$0.00	\$57.95	\$76.95
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.54		\$9.36	\$1.16	\$0.77	\$0.00	\$8.70	\$0.00	\$0.00	\$0.00	\$58.53	\$77.80
Apprentice	Percent											
1st period	40.00	\$13.82	\$9.36	\$0.41	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.87	\$30.77
2nd period	45.00	\$15.54	\$9.36	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.68	\$33.45
3rd period	50.00	\$17.27	\$9.36	\$0.52	\$0.35	\$0.00	\$4.35	\$0.00	\$0.00	\$0.00	\$31.85	\$40.49
4th period	55.00	\$19.00	\$9.36	\$0.57	\$0.38	\$0.00	\$4.79	\$0.00	\$0.00	\$0.00	\$34.10	\$43.60
5th period	65.00	\$22.45	\$9.36	\$0.67	\$0.45	\$0.00	\$5.66	\$0.00	\$0.00	\$0.00	\$38.59	\$49.82
6th period	80.00	\$27.63	\$9.36	\$0.83	\$0.55	\$0.00	\$6.96	\$0.00	\$0.00	\$0.00	\$45.33	\$59.15

Special Calculation Note :

Ratio :

Each job site
2 Apprentices to 3 Journeymen or fraction thereof:

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

1 - 3 Journeymen to 2 Apprentice
4 - 6 Journeymen to 4 Apprentice
7 - 9 Journeymen to 6 Apprentice
10-12 Journeymen to 8 Apprentice
13-15 Journeymen to 10 Apprentice

First person assigned to a job site shall be a Journeyman
Wireman

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Inside Lt Commercial Northern

Change # : LCN01-2020fbLoc306in

Craft : Electrical Effective Date : 01/22/2020 Last Posted : 01/22/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$34.89		\$8.90	\$1.04	\$0.70	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.34	\$72.78
Electrician w/10 hrs JATC training in the past 12 months	\$35.39		\$8.90	\$1.06	\$0.71	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$55.87	\$73.56
Cable Splicer	\$38.38		\$8.90	\$1.15	\$0.77	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.01	\$78.20
Cable Splicer w/10 hrs JATC training in the past 12 months	\$38.93		\$8.90	\$1.17	\$0.78	\$0.00	\$9.00	\$0.81	\$0.00	\$0.00	\$59.59	\$79.06
CE-3 12,001-14,000 Hrs	\$25.63		\$6.15	\$0.77	\$0.83	\$0.00	\$0.77	\$0.10	\$0.00	\$0.00	\$34.25	\$47.07
CE-2 10,001-12,000 Hrs	\$20.14		\$6.15	\$0.60	\$0.83	\$0.00	\$0.60	\$0.10	\$0.00	\$0.00	\$28.42	\$38.49
CE-1 8,001-10,000 Hrs	\$18.31		\$6.15	\$0.55	\$0.83	\$0.00	\$0.55	\$0.10	\$0.00	\$0.00	\$26.49	\$35.64
CW-4 6,001-8,000 Hrs	\$16.48		\$6.15	\$0.49	\$0.83	\$0.00	\$0.49	\$0.10	\$0.00	\$0.00	\$24.54	\$32.78
CW-3 4,001-6,000 Hrs	\$14.65		\$6.15	\$0.44	\$0.83	\$0.00	\$0.44	\$0.10	\$0.00	\$0.00	\$22.61	\$29.94
CW-2 2,001-4,000 Hrs	\$13.73		\$6.15	\$0.41	\$0.83	\$0.00	\$0.41	\$0.10	\$0.00	\$0.00	\$21.63	\$28.49
CW-1 0-2,000 Hrs	\$12.82		\$6.15	\$0.38	\$0.83	\$0.00	\$0.38	\$0.10	\$0.00	\$0.00	\$20.66	\$27.07
Apprentice	Percent											
1st period	40.00	\$13.96	\$9.71	\$0.42	\$0.28	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.37	\$31.34

2nd period	45.00	\$15.70	\$9.71	\$0.47	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.19	\$34.04
3rd period	50.00	\$17.44	\$9.71	\$0.52	\$0.35	\$0.00	\$4.50	\$0.00	\$0.00	\$0.00	\$32.53	\$41.25
4th period	55.00	\$19.19	\$9.71	\$0.58	\$0.38	\$0.00	\$4.95	\$0.00	\$0.00	\$0.00	\$34.81	\$44.40
5th period	65.00	\$22.68	\$9.71	\$0.68	\$0.45	\$0.00	\$5.85	\$0.00	\$0.00	\$0.00	\$39.37	\$50.71
6th period	80.00	\$27.91	\$9.71	\$0.84	\$0.56	\$0.00	\$7.20	\$0.00	\$0.00	\$0.00	\$46.22	\$60.18

Special Calculation Note : Other is for Retirement Health and Welfare and Administration Fund for CE/CW.

Ratio :

Each job site

2 Apprentices to 3 Journeymen or fraction thereof:

1 - 3 Journeymen to 2 Apprentice

4 - 6 Journeymen to 4 Apprentice

7 - 9 Journeymen to 6 Apprentice

10-12 Journeymen to 8 Apprentice

13-15 Journeymen to 10 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE*, SUMMIT, WAYNE*

First person assigned to a job site shall be a Journeyman Wireman

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

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

The scope of work for the light commercial agreement shall apply to the following small medical clinics, stand-alone doctor and dentist offices with up to 600 amp service (not attached to a hospital), gas stations/convenience stores, fast food restaurants and franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurants facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless other wise covered under this 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.

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 306 Voice Data Video

Change # : LCN01-2019fbLoc306VDV

Craft : Voice Data Video Effective Date : 01/30/2019 Last Posted : 01/30/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Installer Technician	\$23.85	\$8.05	\$0.75	\$0.37	\$1.07	\$2.75	\$0.51	\$0.00	\$0.00	\$37.35	\$49.28
Cable Puller	\$13.12	\$8.05	\$0.39	\$0.20	\$0.57	\$1.51	\$0.51	\$0.00	\$0.00	\$24.35	\$30.91
Journeyman/Tech with 10 Hrs of Journeyman Training	\$24.35	\$8.05	\$0.76	\$0.38	\$1.10	\$2.75	\$0.51	\$0.00	\$0.00	\$37.90	\$50.08
Apprentice	Percent										
1st Period	55.00	\$13.12	\$8.05	\$0.38	\$0.20	\$0.59	\$0.51	\$0.00	\$0.00	\$24.36	\$30.92
2nd Period	65.00	\$15.50	\$8.05	\$0.45	\$0.23	\$0.70	\$0.51	\$0.00	\$0.00	\$27.23	\$34.98
3rd Period	75.00	\$17.89	\$8.05	\$0.52	\$0.27	\$0.81	\$0.51	\$0.00	\$0.00	\$30.11	\$39.05
4th Period	80.00	\$19.08	\$8.05	\$0.56	\$0.29	\$0.86	\$0.51	\$0.00	\$0.00	\$31.55	\$41.09
5th Period	85.00	\$20.27	\$8.05	\$0.59	\$0.30	\$0.91	\$0.51	\$0.00	\$0.00	\$32.97	\$43.11
6th Period	90.00	\$21.47	\$8.05	\$0.63	\$0.32	\$0.97	\$0.51	\$0.00	\$0.00	\$34.42	\$45.16

Special Calculation Note : Other is Retiree Health Fund.

Ratio :
1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
MEDINA*, PORTAGE*, SUMMIT, WAYNE*

Special Jurisdictional Note : In Medina County the following townships are included: Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York.

In Portage County the following townships are included: Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield.

In Wayne County the following townships are included: Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne.

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

Installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.

Installation of conduit and/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.

1 - 3 Journeymen to 2 Apprentice
4 - 6 Journeymen to 4 Apprentice
7 - 9 Journeymen to 6 Apprentice
10-12 Journeymen to 8 Apprentice
13-15 Journeymen to 10 Apprentice

First person assigned to a job site shall be a Journeyman Wireman

Construction Electrician and Construction Wireman Ratio

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

Special Jurisdictional Note :

Medina County the following townships are included: (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield and York).

Portage County the following townships are included: (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro and Suffield).

Wayne County the following townships are included: (Baughman, Cannaan, Chester, Chippewa, Congress, Green, Milton, and Wayne).

The scope of work for the light commercial agreement shall apply to the following small medical clinics, stand-alone doctor and dentist offices with up to 600 amp service (not attached to a hospital), gas stations/convenience stores, fast food restaurants and franchised chain restaurants including independent bars and taverns, places of worship, funeral homes, nursing homes, assisted living facilities and day-care facilities under 15,000 sq ft, small office, retail/wholesale facilities under 15,000 sq ft with less than 10 units attached, storage units, car washes, express hotels and motels (4 stories or less) without conference or restaurants facilities, residential units (subject to Davis Bacon Rates) small stand-alone manufacturing facilities when free standing and not part of a larger facility (less than 15,000 sq ft) solar projects (500 panels or less) unless other wise covered under this 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.

Details :

This rate covers both Commercial and Industrial. High work a premium rate of shall be paid at (3%) per hour for all work performed over (30') free-fall and for work in a mine. Line work is excluded.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 High Tension Pipe Type Cable

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lineman	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30	
Certified Lineman Welder	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30	
Certified Cable Splicer	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30	
Operator A	\$39.02	\$6.00	\$1.17	\$0.39	\$0.00	\$8.97	\$0.35	\$0.00	\$0.00	\$55.90	\$75.41	
Operator B	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60	
Operator C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79	
Groundman 0-12 months Exp	\$21.74	\$6.00	\$0.65	\$0.22	\$0.00	\$5.00	\$0.35	\$0.00	\$0.00	\$33.96	\$44.83	
Groundman 0-12 months Exp w/CDL	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68	
Groundman 1 yr or more	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68	
Groundman 1 yr or more w/CDL	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37	
Equipment Mechanic A	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60	
Equipment Mechanic B	\$31.26	\$6.00	\$0.94	\$0.31	\$0.00	\$7.19	\$0.35	\$0.00	\$0.00	\$46.05	\$61.68	
Equipment Mechanic C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79	
X-Ray Technician	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30	
Apprentice	Percent											
1st 1000	60.00	\$26.09	\$6.00	\$0.78	\$0.26	\$0.00	\$6.00	\$0.35	\$0.00	\$0.00	\$39.48	\$52.52

hrs												
2nd 1000 hrs	65.00	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37
3rd 1000 hrs	70.00	\$30.44	\$6.00	\$0.91	\$0.30	\$0.00	\$7.00	\$0.35	\$0.00	\$0.00	\$45.00	\$60.21
4th 1000 hrs	75.00	\$32.61	\$6.00	\$0.98	\$0.33	\$0.00	\$7.50	\$0.35	\$0.00	\$0.00	\$47.77	\$64.07
5th 1000 hrs	80.00	\$34.78	\$6.00	\$1.04	\$0.35	\$0.00	\$8.00	\$0.35	\$0.00	\$0.00	\$50.52	\$67.92
6th 1000 hrs	85.00	\$36.96	\$6.00	\$1.11	\$0.37	\$0.00	\$8.50	\$0.35	\$0.00	\$0.00	\$53.29	\$71.77
7th 1000 hrs	90.00	\$39.13	\$6.00	\$1.17	\$0.39	\$0.00	\$9.00	\$0.35	\$0.00	\$0.00	\$56.04	\$75.61

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 than 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.

*All Operators of cranes 45 ton or larger shall be paid the journeyman rate of pay. \$0.30 is for Health Retirement Account.

Ratio :

1 Journeyman 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 :

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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)		
Classification											
Electrical Lineman	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Substation Technician	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Cable Splicer	\$43.14	\$6.00	\$1.29	\$0.43	\$0.00	\$9.92	\$0.35	\$0.00	\$0.00	\$61.13	\$82.70
Operator A	\$37.00	\$6.00	\$1.11	\$0.37	\$0.00	\$8.51	\$0.35	\$0.00	\$0.00	\$53.34	\$71.84
Operator B	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Operator C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Groundman 0-12 months Exp	\$20.61	\$6.00	\$0.62	\$0.21	\$0.00	\$4.74	\$0.35	\$0.00	\$0.00	\$32.53	\$42.84
Groundman 0-12 months Exp w/CDL	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more w/CDL	\$26.80	\$6.00	\$0.80	\$0.27	\$0.00	\$6.16	\$0.35	\$0.00	\$0.00	\$40.38	\$53.78
Equipment Mechanic A	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Equipment Mechanic B	\$29.62	\$6.00	\$0.89	\$0.30	\$0.00	\$6.81	\$0.35	\$0.00	\$0.00	\$43.97	\$58.78
Equipment Mechanic C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Line Truck w/uuger	\$29.17	\$6.00	\$0.88	\$0.29	\$0.00	\$6.71	\$0.35	\$0.00	\$0.00	\$43.40	\$57.99
Apprentice	Percent										
1st 1000 hrs	60.00	\$24.73	\$6.00	\$0.74	\$0.25	\$5.69	\$0.35	\$0.00	\$0.00	\$37.76	\$50.13
2nd 1000	65.00	\$26.79	\$6.00	\$0.80	\$0.27	\$6.16	\$0.35	\$0.00	\$0.00	\$40.37	\$53.77

hrs												
3rd 1000 hrs	70.00	\$28.85	\$6.00	\$0.87	\$0.29	\$0.00	\$6.64	\$0.35	\$0.00	\$0.00	\$43.00	\$57.43
4th 1000 hrs	75.00	\$30.91	\$6.00	\$0.93	\$0.31	\$0.00	\$7.11	\$0.35	\$0.00	\$0.00	\$45.62	\$61.07
5th 1000 hrs	80.00	\$32.98	\$6.00	\$0.99	\$0.33	\$0.00	\$7.59	\$0.35	\$0.00	\$0.00	\$48.24	\$64.72
6th 1000 hrs	85.00	\$35.04	\$6.00	\$1.05	\$0.35	\$0.00	\$8.06	\$0.35	\$0.00	\$0.00	\$50.85	\$68.37
7th 1000 hrs	90.00	\$37.10	\$6.00	\$1.11	\$0.37	\$0.00	\$8.53	\$0.35	\$0.00	\$0.00	\$53.46	\$72.01

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 than 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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside (North Central Ohio)

Change # : LCN01-2019fbLoc71CentralOhio

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrical Lineman	\$38.27		\$6.00	\$1.15	\$0.38	\$0.00	\$6.89	\$0.06	\$0.00	\$0.00	\$52.75	\$71.89
Traffic Signal & Lighting Journeyman	\$36.81		\$6.00	\$1.10	\$0.37	\$0.00	\$6.63	\$0.06	\$0.00	\$0.00	\$50.97	\$69.37
Equipment Operator	\$33.62		\$6.00	\$1.01	\$0.34	\$0.00	\$6.05	\$0.06	\$0.00	\$0.00	\$47.08	\$63.89
Groundman 0-12 months (W/O CDL)	\$20.39		\$6.00	\$0.61	\$0.20	\$0.00	\$3.67	\$0.06	\$0.00	\$0.00	\$30.93	\$41.13
Groundman 0-12 months (W/CDL) plus	\$22.27		\$6.00	\$0.67	\$0.22	\$0.00	\$4.01	\$0.06	\$0.00	\$0.00	\$33.23	\$44.37
Groundsman greater than 1 Year (W/CDL)	\$24.17		\$6.00	\$0.73	\$0.24	\$0.00	\$4.35	\$0.06	\$0.00	\$0.00	\$35.55	\$47.64
Traffic Signal Apprentices												
1st 1,000 hours	\$22.09		\$6.00	\$0.66	\$0.22	\$0.00	\$3.98	\$0.06	\$0.00	\$0.00	\$33.01	\$44.05
2nd 1,000 hours	\$23.93		\$6.00	\$0.72	\$0.24	\$0.00	\$4.31	\$0.06	\$0.00	\$0.00	\$35.26	\$47.23
3rd 1,000 hours	\$25.77		\$6.00	\$0.77	\$0.26	\$0.00	\$4.64	\$0.06	\$0.00	\$0.00	\$37.50	\$50.39
4th 1,000 hours	\$27.61		\$6.00	\$0.83	\$0.28	\$0.00	\$4.97	\$0.06	\$0.00	\$0.00	\$39.75	\$53.56
5th 1,000 hours	\$29.45		\$6.00	\$0.88	\$0.29	\$0.00	\$5.30	\$0.06	\$0.00	\$0.00	\$41.98	\$56.71
6th 1,000 hours	\$33.13		\$6.00	\$0.99	\$0.33	\$0.00	\$5.96	\$0.06	\$0.00	\$0.00	\$46.47	\$63.04
Apprentice Lineman	Percent											
1st 1,000 Hours	60.00	\$22.96	\$6.00	\$0.69	\$0.23	\$0.00	\$4.13	\$0.06	\$0.00	\$0.00	\$34.07	\$45.55

2nd 1,000 Hours	65.00	\$24.88	\$6.00	\$0.75	\$0.25	\$0.00	\$4.48	\$0.06	\$0.00	\$0.00	\$36.42	\$48.85
3rd 1,000 Hours	70.00	\$26.79	\$6.00	\$0.80	\$0.27	\$0.00	\$4.82	\$0.06	\$0.00	\$0.00	\$38.74	\$52.13
4th 1,000 Hours	75.00	\$28.70	\$6.00	\$0.86	\$0.29	\$0.00	\$5.17	\$0.06	\$0.00	\$0.00	\$41.08	\$55.43
5th 1,000 Hours	80.00	\$30.62	\$6.00	\$0.92	\$0.31	\$0.00	\$5.51	\$0.06	\$0.00	\$0.00	\$43.42	\$58.72
6th 1,000 Hours	85.00	\$32.53	\$6.00	\$0.98	\$0.33	\$0.00	\$5.86	\$0.06	\$0.00	\$0.00	\$45.76	\$62.02
7th 1,000 Hours	90.00	\$34.44	\$6.00	\$1.03	\$0.34	\$0.00	\$6.20	\$0.06	\$0.00	\$0.00	\$48.07	\$65.29

Special Calculation Note : Other is Safety & Education Fund.

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BELMONT, CARROLL, HARRISON, HOLMES, JEFFERSON, MEDINA, PORTAGE, STARK, SUMMIT, WAYNE

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeyman in the performance of his/her work on the ground, including the use of hand tools. A Groundman under no circumstances shall climb poles, towers, ladders, or work from an elevated platform or bucket truck.

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.

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 :

Details :

Cable Splicer: Inspect and test lines or cables, analyze results, and evaluate transmission characteristics. Cover conductors with insulation or seal splices with moisture-proof covering. Install, splice, test, and repair cables using tools or mechanical equipment. This will include the splicing of fiber.

Journeyman Technician I: Must know all aspects of telephone and cable work. This is to include aerial, underground, and manhole work. Must know how to climb and run bucket. Must have all the tools required to perform these tasks. Must be able to be responsible for the safety of the crew at all times. Must also have CDL license and have at least 5 years experience.

Installer/Repairman: Perform tasks of repairing, installing, and testing phone and CATV services.

Technician II: Have at least three years of telephone and CATV experience. Must have the knowledge of underground, aerial, and manhole work. Must be able to climb and operate bucket. Must have CDL. Must have all tools needed to perform these tasks.

Equipment Operator I: Able to operate a digger derrick or bucket truck. Have at least 5 years of experience and must have a valid CDL license.

Equipment Operator II: Able to operate a digger derrick or bucket truck. Have at least 3 years of experience and must have a valid CDL license.

Groundman W/CDL: Must have a valid CDL license and be able to perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Must have at least 5 year's experience.

Groundman: Perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Experience 0-5 years.

Prevailing Wage Rate Skilled Crafts

Name of Union: Glazier Local 1162

Change # : LCN02-2020fbLoc1162

Craft : Glazier Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Glazier	\$27.02		\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.79	\$54.30
Apprentice	Percent											
1st 6 months	50.00	\$13.51	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.28	\$34.04
2nd 6 months	55.00	\$14.86	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.63	\$36.06
3rd 6 months	60.00	\$16.21	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.98	\$38.09
4th 6 months	65.00	\$17.56	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.33	\$40.11
5th 6 months	70.00	\$18.91	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.68	\$42.14
6th 6 months	75.00	\$20.26	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.04	\$44.17
7th 6 months	80.00	\$21.62	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.39	\$46.19
8th 6 months	90.00	\$24.32	\$6.78	\$6.64	\$0.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.09	\$50.25

Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice
2 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON, HOLMES,
MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT,
TUSCARAWAS, WAYNE

Special Jurisdictional Note :

Details :

Add \$1.25 per hour for High Pay which is all work that requires the employee be supported by equipment which hangs or suspends from the roof of a building or structure including all repelling .

4 Journeymen to 1 Apprentice on Structural Work ASHTABULA, CUYAHOGA, ERIE, GEAUGA,
 3 Journeymen to 1 Apprentice on Rod Work HURON, LAKE, LORAIN, MEDINA, PORTAGE,
 2 Journeymen to 1 Apprentice on Finishing, Steel Sash, SUMMIT
 Stairway and Ornamental Work
 1 Apprentice for every Sheeting Gang
 1 Journeymen to 2 Apprentice Roadway Signage and
 Sound Barriers
 2 Journeymen to 2 Apprentice Unloading and Erection
 of Light Gauge Metal Trusses

Special Jurisdictional Note : West Boundary Line :Sandusky, Ohio: Boundary lines between Local 17 & Local 55 are as follows: Columbus Ave north to Sandusky Bay (and/or Lake Erie): Columbus Ave South to present Route 4: Route 4 South to present Route 99: from Route 99 south to old Route 224-all territory to the west of the boundary line to be the jurisdiction of Local 55.All territory to the East of the boundary line to be the jurisdiction of Local 17.Kelly's Island to be within jurisdiction of Local 17.All bridges,tunnels,viaducts,etc, relative to these boundary lines shall be the jurisdiction of Local 17

South Boundary Line:Canton, Ohio: Boundary lines between Local 17 & Local 550 are as follows: All territory north of old Route 224 line to be the jurisdiction of Local 17. All bridges,tunnels,viaducts,signs,etc, relative to old Route 224 line to be within the jurisdiction of Local 17. All territory south of old Route 224 line is to be within the jurisdiction of Local 550, except for everything within the city limits of Barberton which shall be the jurisdiction of Local 17.

Reading from West to East: Route old 224 line: Greenwich Ave-Wooster Road or East Ave. Route old 224 line: New 224 line including Cloverleaf: East Waterloo Road: New 224 line-Attwood Road-Old 224. This will be considered to be the old Route 224 line,except for the city limits of Barberton, Ohio which shall be the jurisdiction of Local 17

Southeast Boundary : Between local 17 and Local 207 are as follows: West of a line from Middlefield to Shalersville to Deerfield, shall be under the jurisdiction of local 17. East of a line from Middlefield, to Shalersville to Deerfield, shall be under the jurisdiction of Local 207.

Local 17 & Local 207 have agreed that the Ohio County of Ashtabula shall be as follows: Everything North of Route 6, starting at the Geauga County line, proceeding east to State Route 45, shall be under the jurisdiction of Local 17. Everything South, starting at the Geauga County line shall be under local 207.

North Boundary: The East boundary line and the West boundary line continuing North halfway across Lake Erie.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 550

Change # : LCR01-2020fbLoc550

Craft : Ironworker Effective Date : 05/01/2020 Last Posted : 03/17/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Ironworker	\$29.27		\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$50.35	\$64.98
Apprentice	Percent											
1st 6 months	60.00	\$17.56	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$38.64	\$47.42
2nd 6 months	65.00	\$19.03	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$40.11	\$49.62
3rd 6 months	70.00	\$20.49	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$41.57	\$51.81
4th 6 months	75.00	\$21.95	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$43.03	\$54.01
5th 6 months	80.00	\$23.42	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$44.50	\$56.20
6th 6 months	85.00	\$24.88	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$45.96	\$58.40
7th 6 months	90.00	\$26.34	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$47.42	\$60.59
8th 6 months	95.00	\$27.81	\$8.18	\$9.02	\$0.74	\$0.00	\$2.73	\$0.41	\$0.00	\$0.00	\$48.89	\$62.79

Special Calculation Note : OTHER IS: JOURNEYMAN UPGRADE AND WELLNESS FUND.

Ratio :

- 4 Journeymen to 1 Apprentice
- 1 Journeymen to 1 Apprentice, spinning of cable for suspension bridge
- 1 Journeymen to 1 Apprentice, ornamental work
- 2 Journeymen to 1 Apprentice, reinforcing work
- 1 Journeymen to 2 Apprentice, roadway

Jurisdiction (* denotes special jurisdictional note) :

- ASHLAND, CARROLL, COLUMBIANA*,
- COSHOCTON, HOLMES*, HURON, MAHONING*,
- MEDINA*, PORTAGE*, RICHLAND, STARK,
- SUMMIT*, TUSCARAWAS, WAYNE

Special Jurisdictional Note : The jurisdictional line between Local 17 and Local 550 is determined as follows: All territory North of Old Route 224 line to be within the jurisdiction of Local 17. All territory South of Old Route 224 line is to be the jurisdiction of Local 550, except for everything within the City limits of Barberton which shall be under the jurisdiction of Local 17.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 2

Change # : LCN01-2020fbLaborHevHwy2

Craft : Laborer Group 1 Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Laborer Group 1	\$33.05		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.40	\$60.92
Group 2	\$33.22		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.57	\$61.18
Group 3	\$33.55		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.90	\$61.67
Group 4	\$34.00		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$45.35	\$62.35
Watch Person	\$25.35		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$36.70	\$49.38
Apprentice	Percent											
0-1000 hrs	60.00	\$19.83	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$31.18	\$41.10
1001-2000 hrs	70.02	\$23.14	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$34.49	\$46.06
2001-3000 hrs	80.00	\$26.44	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$37.79	\$51.01
3001-4000 hrs	90.00	\$29.74	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$41.10	\$55.97
More Than 4000 hrs	100.00	\$33.05	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.40	\$60.92

Special Calculation Note : Watchman has no Apprentices. Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate.

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, ERIE, HURON, LORAIN, LUCAS,
MAHONING, MEDINA, OTTAWA, PORTAGE,
SANDUSKY, STARK, SUMMIT, TRUMBULL, WOOD

Special Jurisdictional Note : Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site, Sewer Plant, Waste Water Treatment Facilities Construction

Details :

Group 1

Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer,

Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices 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, Gunitite 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.

Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices 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.

Details :**Group 1**

Building & Construction Laborer, Welder Helper, Carpenter Tender, Landscape Laborer, Mason Tender, Concrete Bucket Tender, Concrete & Construction Specialist, Asbestos Laborer, Toxic/Hazardous Waste Laborer, Lead Removal, Level D

Group 2

Air Driven Boring Machine, Tamper Operator, Asphalt Raker, Paving Bed Maker, Concrete Puddler on Building Work, Concrete Batch Dumper, Materials Mixer, Wire Mesh Handler, Hook-up on Demolition Work, Scaffold Erector, Structural, Precast Erector, Power Tools - Air, Gas or Electric, Hazardous Waste Laborer, Lead Removal Level C

Group 3

Pipe Layer, Rock Driller, Mucker-Tunnel, Burner, Form Setter, Power Saw Jackhammer, Bottom Man, Hod Carrier, Power Buggy or Power Wheelbarrow, Bob Cat, Skid Steer Work and or similar, Hazardous Waste Laborer, Lead Removal Level B

Group 4

Gunnite Nozzle Man, Tunnel Miner, Water Link Caulker, Dynamite Man, Structural Precast Welder, Pump Hose Nozzle Man, Hazardous Waste Laborer, Lead Removal Level A

Group 5

Watchman

Hazardous Waste Removal and Lead Abatement:

For Laborers, working in an exclusive or "hot" area with toxic or hazardous materials, one of the following personal protective equipment ensembles will be required.

Level A

When the area has been determined to contain extremely toxic contaminants or contaminants unknown but may be expected to be extremely toxic and/or immediately dangerous to life and health. This ensemble includes a fully encapsulated chemical 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 B

Protective equipment includes 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 A situation.

Level C

Protective equipment includes a protective suit and an air purifying respirator (APR) with the appropriate filter canisters. The ensemble is used when the 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.

Level D

Protective Equipment to be worn only in established "safe zones" may consist of, from normal work clothes to normal skin protection such as gloves, face shields goggles, coveralls and occasionally respiratory protection.

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - Building Local 18 - Zone I

Change # : LCN01-2020fbLoc18

Craft : Operating Engineer Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Class 1	\$39.73		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.18	\$75.04
Class 2	\$39.63		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.08	\$74.90
Class 3	\$38.59		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.04	\$73.34
Class 4	\$37.37		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.82	\$71.50
Class 5	\$32.08		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.53	\$63.57
Class 6	\$39.98		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.43	\$75.42
Class 7	\$40.23		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.68	\$75.79
Class 8	\$40.73		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$56.18	\$76.54
Class 9	\$40.98		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$56.43	\$76.92
Apprentice	Percent											
1st Year	50.00	\$19.86	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$35.32	\$45.25
2nd Year	60.00	\$23.84	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$39.29	\$51.21
3rd Year	70.00	\$27.81	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$43.26	\$57.17
4th Year	80.00	\$31.78	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.23	\$63.13
Field Mechanic Trainee												
1st Year	50.00	\$19.86	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$35.32	\$45.25
2nd Year	60.00	\$23.84	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$39.29	\$51.21
3rd Year	70.00	\$27.81	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$43.26	\$57.17
4th Year	80.00	\$31.78	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.23	\$63.13

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

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

For every (3) Operating Engineer Journeymen employed by SUMMIT, PORTAGE the company ,there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An apprentice, while employed as part of a crew per Article VIII, paragraph 77, will not be subject to the apprenticeship ratios in this collective bargaining

Special Jurisdictional Note :

Details :

Note: There will be a 10% increase for the apprentices 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; C; 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; Gunite 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; 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 & greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/ hour), 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

Details :

Note: There will be a 10% increase for the apprentices 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; C; 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; 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 & greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/ hour), 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

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone I

Change # : LCN01-2020fbLoc18hevhwyl

Craft : Operating Engineer Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Class 1	\$39.73		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.18	\$75.04
Class 2	\$39.63		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.08	\$74.90
Class 3	\$38.59		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.04	\$73.34
Class 4	\$37.37		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.82	\$71.50
Class 5	\$32.08		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.53	\$63.57
Class 6	\$39.98		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$55.43	\$75.42
Apprentice	Percent											
1st Year	50.00	\$19.86	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$35.32	\$45.25
2nd Year	60.00	\$23.84	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$39.29	\$51.21
3rd Year	70.00	\$27.81	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$43.26	\$57.17
4th Year	80.00	\$31.78	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.23	\$63.13
Field Mech Trainee												
1st year	49.85	\$19.81	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$35.26	\$45.16
2nd year	59.85	\$23.78	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$39.23	\$51.12
3rd year	69.82	\$27.74	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$43.19	\$57.06
4th year	79.78	\$31.70	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$47.15	\$62.99

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

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

For every (3) Operating Engineer Journeymen employed by ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, the company , there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. 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.

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% if required to have a CDL.

Class 1 - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig: Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types); Derricks (all types); Draglines; Elevating Graders or Euclid Loaders; Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Locomotives (standard gauge); Maintenance Operators (class A); Mixers, paving (single or double drum); Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Side Booms; Slip Form Pavers; Tower Dericks; Trench Machines; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators;Industrial-type tractors; Jet Engine - Dryer (D8 or D9) Diesel Tractors Mucking Machines; Multiple Scrapers; Tree Shreddes. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes,track or 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); All Asphalt Rollers; Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rotovator (lime-soil Stabilzer); 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 and Generators; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour)

Class 4 - Ballast Re-loacator; Backfillers and Tampers; Batch Plant Operators; 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); Finishing Machines; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; 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 (oil fired); 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 (Primary Operator with Specialized CDL Endorsement Add \$3.00/hr), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Class 1 - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types); Derricks (all types); Draglines; Elevating Graders or Euclid Loaders; Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Locomotives (standard gauge); Maintenance Operators (class A); Mixers, paving (single or double drum); Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Side Booms; Slip Form Pavers; Tower Dericks; Trench Machines; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators; Industrial-type tractors; Jet Engine - Dryer (D8 or D9) Diesel Tractors Mucking Machines; Multiple Scrapers; Tree Shreddes. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes, track or 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); All Asphalt Rollers; Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rotovator (lime-soil Stabilzer); 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 and Generators; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour)

Class 4 - Ballast Re-loicator; Backfillers and Tampers; Batch Plant Operators; 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); Finishing Machines; Hydro Hammers; Hydro Seeders; Pavement Breakers (hydraulic or cable); Plant Mixers; Post Drivers; Post Hole Diggers; Power Brush Burners; Power Form Handling Equipment; Firemen, Floating Equipment (all types); Fork Lifts (highway), except masonry; Form Trenchers; 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 (oil fired); 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 (Primary Operator with Specialized CDL Endorsement Add \$3.00/hr), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

CLERMONT, CLINTON, COLUMBIANA,
COSHOCOTON, 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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter/Sign Local 639 (A)

Change # : CN01-2009Loc639A

Craft : Painter Effective Date : 03/06/2009 Last Posted : 03/06/2009

		Fringe Benefit Payments									
		BHR	H&W	Pension	App Tr.	Vac.	Annuity	Other	Total PWR	Overtime Rate	
Classification											
Painter-Sign Erector		\$19.98	\$4.46	\$1.00	\$0.25	\$1.68	\$0.00	\$0.00	\$27.37	\$37.36	
Serviceman		\$19.98	\$4.46	\$1.00	\$0.25	\$1.68	\$0.00	\$0.00	\$27.37	\$37.36	
Metal Sign-Frabricator-		\$19.98	\$4.46	\$1.00	\$0.25	\$1.68	\$0.00	\$0.00	\$27.37	\$37.36	
Neon Bender Pattern Maker		\$19.98	\$4.46	\$1.00	\$0.25	\$1.68	\$0.00	\$0.00	\$27.37	\$37.36	
Computer Operator		\$18.98	\$4.46	\$1.00	\$0.25	\$1.61	\$0.00	\$0.00	\$26.30	\$35.79	
Router		\$18.98	\$4.46	\$1.00	\$0.25	\$1.61	\$0.00	\$0.00	\$26.30	\$35.79	
Plastic-Wood Fabricator		\$18.98	\$4.46	\$1.00	\$0.25	\$1.61	\$0.00	\$0.00	\$26.30	\$35.79	
Vinyl Applicator		\$18.98	\$4.46	\$1.00	\$0.25	\$1.61	\$0.00	\$0.00	\$26.30	\$35.79	
Apprentice For Sign Service, Metal,Neon,Pattern	Percent										
1000 hrs	50.00	\$9.99	\$4.46	\$1.00	\$0.25	\$1.03	\$0.00	\$0.00	\$16.73	\$21.73	
2000 hrs	55.00	\$10.99	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$17.07	\$22.56	
3000 hrs	60.00	\$11.99	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$18.07	\$24.06	
4000 hrs	65.00	\$12.99	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$19.07	\$25.56	
5000 hrs	70.00	\$13.99	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$20.07	\$27.06	
6000 hrs	85.00	\$16.98	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$23.06	\$31.55	
7000 hrs	90.00	\$17.98	\$4.46	\$1.00	\$0.25	\$0.37	\$0.00	\$0.00	\$24.06	\$33.05	

Special Calculation Note : Apprentice Rates For: Computer Operator, Router, Plastic-Wood Fabricator Vinyl Application

1000 hrs 50% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.99
 2000 hrs 55% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37
 3000 hrs 60% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37
 4000 hrs 65% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37
 5000 hrs 70% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37
 6000 hrs 85% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37
 7000 hrs 90% plus (\$4.46 h&w)+(\$1.00 pension)+(\$0.25 apprentice training) + vacation \$0.37

Ratio : **Jurisdiction (* denotes special jurisdictional note) :**

ASHLAND, ASHTABULA, CUYAHOGA, ERIE,
GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE,
RICHLAND, STARK, SUMMIT

Special Jurisdictional Note :

Details :

Sign and display work shall include but not limited: to the making and installation of all signs and servicing of the same, lettering and pictorial work of any kind, including vinyl signs and vinyl substrates and the preparing for the finishing of same, be it by hand, brush, roller, spray, mechanical or computer aided and by any other method or process pertaining to same: they shall have control of all branches, methods and processes of screen process work: tube bending and display work such as creating, building and finishing of all display matter and its related operations used for advertising purposes, including all lettering whether it be done by hand, mechanical or computer aided or by any other method or process pertaining to same: the construction, erection and maintenance of all billboards and all communication advertising.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 1 Sign

Change # : LCN01-2019fbLoc639

Craft : Painter Effective Date : 06/12/2019 Last Posted : 06/12/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Sign Erector Service/Patteren/Metal Fab/Neon Class A	\$23.34		\$6.66	\$4.75	\$0.25	\$0.67	\$0.00	\$0.94	\$0.00	\$0.00	\$36.61	\$48.28
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class B	\$23.34		\$6.66	\$4.75	\$0.25	\$1.35	\$0.00	\$0.94	\$0.00	\$0.00	\$37.29	\$48.96
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class C	\$23.34		\$6.66	\$4.75	\$0.25	\$2.02	\$0.00	\$0.94	\$0.00	\$0.00	\$37.96	\$49.63
Painter Sign Erector/Service/Patteren/Metal Fab/Neon Class D	\$23.34		\$6.66	\$4.75	\$0.25	\$2.69	\$0.00	\$0.94	\$0.00	\$0.00	\$38.63	\$50.30
Computer Operator, Router, Spray Painter/Wood Class A	\$21.83		\$6.66	\$4.75	\$0.25	\$0.64	\$0.00	\$0.90	\$0.00	\$0.00	\$35.03	\$45.95
Computer Operator, Router, Spray Painter/Wood Class B	\$21.83		\$6.66	\$4.75	\$0.25	\$1.29	\$0.00	\$0.90	\$0.00	\$0.00	\$35.68	\$46.60
Computer Operator, Router, Spray Painter/Wood Class C	\$21.83		\$6.66	\$4.75	\$0.25	\$1.93	\$0.00	\$0.90	\$0.00	\$0.00	\$36.32	\$47.24
Computer Operator, Router, Spray Painter/Wood Class D	\$21.83		\$6.66	\$4.75	\$0.25	\$2.58	\$0.00	\$0.90	\$0.00	\$0.00	\$36.97	\$47.89
Final Assembly,Helper Class A	\$17.36		\$6.66	\$4.75	\$0.25	\$0.56	\$0.00	\$0.78	\$0.00	\$0.00	\$30.36	\$39.04
Final Assembly,Helper Class B	\$17.36		\$6.66	\$4.75	\$0.25	\$1.12	\$0.00	\$0.78	\$0.00	\$0.00	\$30.92	\$39.60
Final Assembly,Helper Class C	\$17.36		\$6.66	\$4.75	\$0.25	\$1.67	\$0.00	\$0.78	\$0.00	\$0.00	\$31.47	\$40.15
Final Assembly,Helper Class D	\$17.36		\$6.66	\$4.75	\$0.25	\$2.23	\$0.00	\$0.78	\$0.00	\$0.00	\$32.03	\$40.71
Apprentice	Percent											
1-2000 hrs	49.98	\$11.67	\$6.66	\$4.75	\$0.25	\$0.00	\$0.00	\$0.63	\$0.00	\$0.00	\$23.96	\$29.79
2001-3000 hrs	55.00	\$12.84	\$6.66	\$4.75	\$0.25	\$1.88	\$0.00	\$0.66	\$0.00	\$0.00	\$27.04	\$33.46
3001-4000 hrs	60.00	\$14.00	\$6.66	\$4.75	\$0.25	\$1.97	\$0.00	\$0.69	\$0.00	\$0.00	\$28.32	\$35.33
4001-5000 hrs	65.00	\$15.17	\$6.66	\$4.75	\$0.25	\$2.06	\$0.00	\$0.72	\$0.00	\$0.00	\$29.61	\$37.20
5001-6000 hrs	70.00	\$16.34	\$6.66	\$4.75	\$0.25	\$2.15	\$0.00	\$0.75	\$0.00	\$0.00	\$30.90	\$39.07
6001-7000 hrs	85.00	\$19.84	\$6.66	\$4.75	\$0.25	\$2.42	\$0.00	\$0.85	\$0.00	\$0.00	\$34.77	\$44.69
7001-8000 hrs	90.00	\$21.01	\$6.66	\$4.75	\$0.25	\$2.51	\$0.00	\$0.88	\$0.00	\$0.00	\$36.06	\$46.56

Special Calculation Note : Other is for paid holidays. Apprentice Pay Rate should be based on proper Classification.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :
ASHLAND, ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
MEDINA, PORTAGE, RICHLAND, SUMMIT

Special Jurisdictional Note :

Details :

- Class A Worker: More than 1 year but less that 2 years.
- Class B Worker: More than 2 years but less than 10 years.
- Class C Worker: More than 10 years but less that 20 years.
- Class D Worker: More than 20 years

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I Bridge Painter

Change # : LCN01-2019fbLoc841

Craft : Painter Effective Date : 10/09/2019 Last Posted : 10/09/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Bridge Blaster Class 1	\$35.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$50.62	\$68.57
Class 2 Bridge Painter, Rigger, Containment Builder, Spot Blaster	\$32.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$47.62	\$64.07
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control, Boat Person, Dive (0-5 Years Exp)	\$25.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.62	\$53.57
Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control, Boat Person, Dive (5 plusYears Exp).	\$28.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$43.62	\$58.07
Class 4 Concrete Sealing, Concrete Blasting/Power Washing/Etc.	\$28.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$43.62	\$58.07
Class 5 Quality Control/QualityAssurance Traffic Safety, Competent Person.	\$28.90		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$43.62	\$58.07
Apprentice	Percent											
1st Year	50.00	\$17.95	\$6.70	\$2.55	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$28.05	\$37.03
2nd Year	60.00	\$21.54	\$6.70	\$2.94	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$32.03	\$42.80
3rd year	70.00	\$25.13	\$6.70	\$3.34	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$36.02	\$48.59
4th Year	80.00	\$28.72	\$6.70	\$4.08	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.35	\$54.71

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit County: North to and including the Ohio Turnpike, Portage County: North to and including the Ohio Turnpike

Details :

Class 1 – Abrasive blasting of any kind

Class 2 – Bridge painting, coating applications of any kind. All steel surface preparation other than abrasive blasting. All necessary rigging and containment building and all remedial/ spot blasting.

Class 3 – Tend to all equipment including but not limited to abrasive blasting, power washing, spray painting, forklifts, hoists, truck, etc. Load and unloading trucks, handle materials, man safety boats, handle traffic control, clean up/ vacuum abrasive blast materials and related tasks.

Class 4 – All aspects of concrete coating/ sealing including but not limited to preparation, containment, etc.

Class 5 – Verify and record that all work is completed according to job specifications. Assure that all health and safety standards are adhered to. Assure all traffic is safely handled.

Portage County: North to and including the Ohio Turnpike

Details :

Painter Bridge Class 1 is defined as (Public & Commerce transportation, steel or galvanized Bridges, Tunnels, & related support items (concrete). All phases of work including inspection) Night Rat from 10:00 p.m. to 6:00 a.m. of the regular work week shall be paid at the rate of \$1.00 per hour above the classification worked rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I

Change # : LCN01-2019fbLoc841

Craft : Painter Effective Date : 10/09/2019 Last Posted : 10/09/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Painter Brush Roll	\$26.23		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.95	\$54.07
Paperhanger	\$26.23		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$40.95	\$54.07
Painter Spray Gun Operator Any and All Coatings)	\$27.08		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$41.80	\$55.34
Swing Scaffold, Bosum Chair, & Window Jacks	\$26.98		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$41.70	\$55.19
Sandblast, Painting of Standpipes, etc. from Scaffolds Open Structural Steel, Standpipes and Water Towers	\$27.48		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$42.20	\$55.94
Epoxy Application	\$26.88		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$41.60	\$55.04
Synthetic Exterior, Lead Abatement, Asbestos Removal	\$27.48		\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$42.20	\$55.94
Apprentice	Percent											
1st Year	50.00	\$13.12	\$6.70	\$2.55	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$23.22	\$29.77
2nd Year	60.00	\$15.74	\$6.70	\$2.94	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$26.23	\$34.10
3rd Year	70.00	\$18.36	\$6.70	\$3.34	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$29.25	\$38.43
4th Year	80.00	\$20.98	\$6.70	\$4.08	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$32.61	\$43.11

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :
1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit Cnty: North to and including the Ohio Turnpike, Portage Cnty: North to and including the Ohio Turnpike

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 841 Zone I

Change # : LCN01-2019fbLoc841

Craft : Drywall Finisher Effective Date : 10/09/2019 Last Posted : 10/09/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Drywall Finisher/PainterTaper	\$27.48	\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$42.20	\$55.94
Automatic Tools	\$27.48	\$6.70	\$7.17	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$42.20	\$55.94
Apprentice	Percent										
1st Year	50.00	\$13.74	\$6.70	\$2.55	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$23.84	\$30.71
2nd Year	65.00	\$17.86	\$6.70	\$3.31	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$28.72	\$37.65
3rd Year	80.00	\$21.98	\$6.70	\$4.08	\$0.35	\$0.00	\$0.50	\$0.00	\$0.00	\$33.61	\$44.61

Special Calculation Note : Apprentice pay based on percentage of above appropriate classification.

Ratio :

1 Apprentice to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

MEDINA, PORTAGE*, SUMMIT*

Special Jurisdictional Note : Summit County North to and including the Ohio Turnpike, Portage Cnty: North to and including the Ohio Turnpike

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120

Change # : LCN01-2020fbLoc120

Craft : Pipefitter Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Pipefitter	\$40.22		\$11.90	\$10.70	\$1.02	\$0.00	\$3.00	\$0.30	\$0.00	\$0.00	\$67.14	\$87.25
Apprentice	Percent											
1st year	49.18	\$19.78	\$5.35	\$0.00	\$1.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$26.15	\$36.04
2nd year	51.34	\$20.65	\$11.30	\$6.10	\$1.02	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$39.37	\$49.69
3rd year	59.57	\$23.96	\$11.30	\$6.10	\$1.02	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$42.68	\$54.66
4th year	71.06	\$28.58	\$11.30	\$6.10	\$1.02	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$47.30	\$61.59
5th year	79.29	\$31.89	\$11.30	\$6.10	\$1.02	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$50.61	\$66.56

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

- 1 Journeymen to 1 Apprentice per project
- 2-4 Journeymen to 2 Apprentices per project
- 5-7 Journeymen to 3 Apprentices per project

3 to 1 on jobs with 9 or more journeymen

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of State Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details :

Under pipefitter duties shall include - steam and hot water heating boilers and related controls such as automatic feedwater and low water cut-offs, safety relief valves and gas trains; steam regulators, traps, steam valves, steam heaters, steam and hot water heating coils; feedwater lines to boilers, condensate pumps, condensate tanks and related piping to boilers, expansion tanks and controls on hot water heating systems; refrigeration and air conditioning systems that are separate from one another and are connected through piping; install, calibrate and maintain pneumatic temperature controls and piping for heating and cooling devices; piping, pumps and controls on the fluent water system in water treatment plants; hose cabinets and automatic fire sprinkler systems; underground water supply piping and devices; all fire stopping of piping systems; to operate a pipe cutting machine, to thread pipe by machine or hand dies; to do oxyacetylene and electric welding on iron and steel pipes when required; to perform other tasks when assigned.

Prevailing Wage Rate Skilled Crafts

Name of Union: Pipefitter Local 120 Mechanical Equipment

Change # : LCN01-2020fbLoc120

Craft : Pipefitter Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Pipefitter Mechanical Equipment Service A-2	\$30.30		\$11.90	\$10.70	\$1.02	\$0.00	\$3.00	\$0.30	\$0.00	\$0.00	\$57.22	\$72.37
Pipefitter Mechanical Equipment Service A-1	\$27.00		\$11.90	\$10.70	\$1.02	\$0.00	\$3.00	\$0.30	\$0.00	\$0.00	\$53.92	\$67.42
Intermediate Journeymen												
Serviceman 1	\$21.52		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$39.31	\$50.07
Serviceman 2	\$24.15		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$41.94	\$54.01
Serviceman 3	\$27.11		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$44.90	\$58.45
Serviceman 4	\$30.32		\$11.20	\$3.80	\$0.94	\$0.00	\$1.55	\$0.30	\$0.00	\$0.00	\$48.11	\$63.27
MES Trainees												
	Percent											
1st year	57.72	\$17.49	\$5.65	\$0.00	\$1.02	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.16	\$32.90
2nd year	62.04	\$18.80	\$5.65	\$3.80	\$1.02	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$30.77	\$40.17
3rd year	68.61	\$20.79	\$5.65	\$3.80	\$1.02	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$32.76	\$43.15
4th year	79.50	\$24.09	\$5.65	\$3.80	\$1.02	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$36.06	\$48.10
5th year	86.07	\$26.08	\$5.65	\$3.80	\$1.02	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$38.05	\$51.09

Special Calculation Note : OTHER IS :SUPPLEMENTAL UNEMPLOYMENT BENEFITS

Ratio :

3 Journeymen to 1 Apprentice
2 Intermediate Servicemen to 1 Serviceman
Trainee per shop

Jurisdiction (* denotes special jurisdictional note) :

ASHTABULA, CUYAHOGA, GEAUGA, LAKE,
MEDINA*, SUMMIT*

Special Jurisdictional Note : Summit County - North of State Route 303 including work within the corporate limits of the City of Hudson, that portion of Medina County North of Route 18 and Smith Road and including work within the corporate limits of the City of Medina.

Details :

Work scope but not limited to: Mechanical Service and Maintenance work normally performed by contractors, either by contracts or emergency call basis, who are equipped to handle all work relating to evacuation, charging, start-up, inspection, operating, maintenance and service call necessary to keep mechanical system and controls of a refrigeration, air conditioning, heating and/or ventilation or any other newly installed, remodeled, revamped or redesigned mechanical system in operational order; all fire stopping and piping systems. Shall include but not limited to all maintaining, cleaning, adjusting, repairing, overhauling, starting and balancing of any system or component part thereof, regardless of size or location, including all other service and maintenance work assigned to the employer by the customer. Shall also be allowed to do the following installation work: All residential humidifiers and dehumidifiers, all window type units, all residential heating and cooling systems, excluding steam and hot water, and when a building is not new construction, all refrigeration systems up to 20 tons, split air conditioning systems up to 50 tons, and package or self-contained air conditioning units up to 50 tons.

Work scope but not limited to: Mechanical Service and Maintenance work normally performed by contractors, either by contracts or emergency call basis, who are equipped to handle all work relating to evacuation, charging, start-up, inspection, operating, maintenance and service call necessary to keep mechanical system and controls of a refrigeration, air conditioning, heating and/or ventilation or any other newly installed, remodeled, revamped or redesigned mechanical system in operational order; all fire stopping and piping systems. Shall include but not limited to all maintaining, cleaning, adjusting, repairing, overhauling, starting and balancing of any system or component part thereof, regardless of size or location, including all other service and maintenance work assigned to the employer by the customer. Shall also be allowed to do the following installation work: All residential humidifiers and dehumidifiers, all window type units, all residential heating and cooling systems, excluding steam and hot water, and when a building is not new construction, all refrigeration systems up to 20 tons, split air conditioning systems up to 50 tons, and package or self-contained air conditioning units up to 50 tons.

(remodel/renovation of existing facilities only), banks, bars, restaurants, churches, bowling alleys, movie theaters, hotels/motels not exceeding four floors and nursing homes, assisted living facilities and retirement homes not exceeding 450 fixture units counting floor drains.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Local 219 Mechanical Equipment Service (HVAC)

Change # : LCN02-2016fbLoc219

Craft : Plumber Effective Date : 01/28/2016 Last Posted : 01/28/2016

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Plumber Service Journeyman	\$32.59		\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.08	\$60.38
Apprentice	Percent											
1st 6 months	50.00	\$16.30	\$5.84	\$0.00	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.71	\$30.86
2nd 6 months	55.00	\$17.92	\$5.84	\$0.00	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$24.34	\$33.31
3rd 6 months	60.00	\$19.55	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.04	\$40.82
4th 6 months	65.00	\$21.18	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.67	\$43.27
5th 6 months	70.00	\$22.81	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.30	\$45.71
6th 6 months	75.00	\$24.44	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.93	\$48.15
7th 6 months	80.00	\$26.07	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.56	\$50.60
8th 6 months	85.00	\$27.70	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.19	\$53.04
9th 6 months	90.00	\$29.33	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.82	\$55.49
10th 6 months	95.00	\$30.96	\$5.84	\$5.07	\$0.58	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.45	\$57.93

Special Calculation Note :

Ratio :
 1 Journeymen to 1 Apprentice
 5 Journeymen to 2 Apprentice
 9 Journeymen to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
 MEDINA*, PORTAGE, SUMMIT*

Special Jurisdictional Note : Summit County: South of Route 303, except for the corporate limits of Hudson, Ohio, which shall be considered neutral territory, dependent on the contractor doing work from the jurisdiction of Local Unions #55 & #120 & 219. Medina County: Route 18 from the eastern edge of Medina County west to eastern corporate limits of the City of Medina and on the county Road from the west corporate limits of the City of Medina, running due west to and through the community of Risley to the western edge of Medina County. All territory south of this line is the jurisdiction of Local #219. Work within the corporate limits of the City of Medina shall be neutral territory, dependent on the contractor doing the work from the jurisdiction of Locals #55, #120 & #219.

Details :
 Service and maintenance shall include, all the maintaining, cleaning, adjusting, repairing, altering, overhauling, dismantling, reconditioning, replacing, modifying, renovating, evacuating, charging, inspecting, operating, starting, calibrating, and balancing of any system or component part thereof. work performed by Service Journeymen & Apprentices shall include: all heating repairs & emergency service up to a capacity of 2,000,000 BTU input. Air conditioning repairs and emergency service up to and including 50 ton single systems. Refrigeration repairs and emergency service up to 50 HP on all low and medium temperature systems. Servicing of propane equipment. Preventive maintenance of all equipment listed above. Installation of heating systems up to 1,000,000 BTU/hr. input for the building or structure. Air conditioning single systems up to 20 ton.

Refrigeration units,meat cases,florist boxes,bottle coolers,food freezers,water coolers-units up to 35 HP.

(A Mechanical Journeyman) must over 3 yrs accumulated at least 300 hrs class training, + 3 years experience, pass written exam prepared by joint labor management and administered by the union.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Pipefitter Local 219

Change # : LCN01-2019fbLoc219

Craft : Plumbers Effective Date : 02/13/2019 Last Posted : 02/13/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plumber Pipefitter	\$37.57		\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$61.76	\$80.54
Apprentice	Percent											
1st 6 months	40.00	\$15.03	\$7.56	\$0.00	\$1.28	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$25.37	\$32.88
2nd 6 months	45.00	\$16.91	\$7.56	\$0.00	\$1.28	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$27.25	\$35.70
3rd 6 months	50.00	\$18.78	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$42.98	\$52.37
4th 6 months	55.00	\$20.66	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$44.85	\$55.19
5th 6 months	60.00	\$22.54	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$46.73	\$58.00
6th 6 months	65.00	\$24.42	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$48.61	\$60.82
7th 6 months	70.00	\$26.30	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$50.49	\$63.64
8th 6 months	75.00	\$28.18	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$52.37	\$66.46
9th 6 months	80.00	\$30.06	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$54.25	\$69.27
10th 6 months	85.00	\$31.93	\$7.56	\$11.35	\$1.28	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$56.12	\$72.09

Special Calculation Note :

Ratio :

1 Apprentice for 1 Journeyman.
1 Apprentice for 3 Journeyman.

Jurisdiction (* denotes special jurisdictional note) :

MEDINA*, PORTAGE, SUMMIT*

Special Jurisdictional Note : Summit County: South of Route 303, except for the corporate limits of Hudson, Ohio, which shall be considered neutral territory, dependent on the contractor doing work from the jurisdiction of Local Unions #55 & #120 & 219. Medina County: Route 18 from the eastern edge of Medina County west to eastern corporate limits of the City of Medina and on the county Road from the west corporate limits of the City of Medina, running due west to and through the community of Risley to the western edge of Medina County. All territory south of this line is the jurisdiction of Local #219. Work within the corporate limits of the City of Medina shall be neutral territory, dependent on the contractor doing the work from the jurisdiction of Locals #55, #120 & #219.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Roofer Local 88

Change # : LCN01-2017fbLoc88

Craft : Roofer Effective Date : 07/26/2017 Last Posted : 07/27/2017

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Roofer	\$25.30		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$42.16	\$54.81
HELPERS												
1st year Helper - 500 1st 6 months	\$12.00		\$2.25	\$0.00	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$14.90	\$20.90
1st year Helper - 500 w/12 months	\$12.65		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$29.51	\$35.84
2nd year Helper - w/12 months	\$14.17		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$31.03	\$38.11
3rd year Helper - w/12 months	\$15.69		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$32.55	\$40.39
4th year Helper - w/12 months	\$17.20		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$34.06	\$42.66
5th year Helper - w/12 months	\$18.72		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$35.58	\$44.94
6th year Helper	\$20.24		\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$37.10	\$47.22
Apprentice	Percent											
1st 6 months w/500 hrs	50.00	\$12.65	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$29.51	\$35.84
2nd 6 months	56.00	\$14.17	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$31.03	\$38.11

w/500 hrs													
3rd 6 months w/500 hrs	62.00	\$15.69	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$32.55	\$40.39	
4th 6 months w/500 hrs	68.00	\$17.20	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$34.06	\$42.67	
5th 6 months w/500 hrs	74.00	\$18.72	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$35.58	\$44.94	
6th 6 months w/500 hrs	80.00	\$20.24	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$37.10	\$47.22	
7th 6 months w/500 hrs	86.00	\$21.76	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$38.62	\$49.50	
8th 6 months w/500 hrs	92.00	\$23.28	\$8.52	\$7.69	\$0.13	\$0.00	\$0.40	\$0.12	\$0.00	\$0.00	\$40.14	\$51.77	

Special Calculation Note : Roofers working in any form of coal tar pitch, whether hot or cold, installing and/or removing will be paid \$.25 more per hour. Other \$.12 is for C.I.D.B.

Ratio :

No helper shall be used on any one job unless 1 Journeymen, and 1 Apprentices are working on said job .One (1) Journeymen to One (1) Apprentice to One (1) Helper

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON, CRAWFORD, HOLMES, HURON, LORAIN*, MEDINA, PORTAGE, RICHLAND, STARK, SUMMIT, TUSCARAWAS, WAYNE

Special Jurisdictional Note : In Lorain County (South of the Turnpike)

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 33 (Akron)

Change # : LCN03-2019fbLoc33Akron

Craft : Sheet Metal Worker Effective Date : 12/18/2019 Last Posted : 12/18/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Sheet Metal Worker	\$31.72	\$8.00	\$12.89	\$1.21	\$0.00	\$6.00	\$0.00	\$0.00	\$0.00	\$59.82	\$75.68
Industrial Door	\$22.36	\$6.96	\$5.33	\$0.17	\$0.00	\$1.87	\$0.00	\$0.00	\$0.00	\$36.69	\$47.87
Apprentice Helper Trainee											
1st 60 Days Probationary Period	\$11.63	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$11.63	\$17.44
61 days-12 Months	\$12.97	\$6.96	\$1.84	\$0.17	\$0.00	\$1.25	\$0.00	\$0.00	\$0.00	\$23.19	\$29.68
2nd Year	\$15.20	\$6.96	\$1.84	\$0.17	\$0.00	\$1.40	\$0.00	\$0.00	\$0.00	\$25.57	\$33.17
3rd Year	\$16.32	\$6.96	\$1.84	\$0.17	\$0.00	\$1.48	\$0.00	\$0.00	\$0.00	\$26.77	\$34.93
4th Year	\$17.89	\$6.96	\$1.84	\$0.17	\$0.00	\$1.58	\$0.00	\$0.00	\$0.00	\$28.44	\$37.39
5th Year	\$19.23	\$6.96	\$1.84	\$0.17	\$0.00	\$1.67	\$0.00	\$0.00	\$0.00	\$29.87	\$39.49
Apprentice	Percent										
Apprentice											
1st year	45.00	\$14.27	\$8.00	\$3.47	\$0.17	\$0.00	\$0.00	\$0.00	\$0.00	\$25.91	\$33.05
2nd year	50.00	\$15.86	\$8.00	\$4.62	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$32.69	\$40.62
3rd year	55.00	\$17.45	\$8.00	\$5.00	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$34.66	\$43.38
4th year	65.00	\$20.62	\$8.00	\$5.77	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$38.60	\$48.91
5th year	80.00	\$25.38	\$8.00	\$6.93	\$1.21	\$0.00	\$3.00	\$0.00	\$0.00	\$44.52	\$57.20

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

Ratio :

1 Journeymen to 1 Apprentice
2 Journeymen to 1 Apprentice
3 Journeymen to 2 Apprentice
4 Journeymen to 2 Apprentice
5-7 Journeymen to 3 Apprentice
8-10 Journeymen to 4 Apprentice
11-13 Journeymen to 5 Apprentice
14, 15 Journeymen to 6 Apprentice
and maintaining a three to one apprentice ratio thereafter.

Jurisdiction (* denotes special jurisdictional note) :

ASHLAND, CARROLL, COSHOCTON,
CRAWFORD, HOLMES, MEDINA,
PORTAGE, RICHLAND, STARK, SUMMIT,
TUSCARAWAS, WAYNE

Special Jurisdictional Note :**Details :**

Scope of Work: This Agreement covers the rates of pay and conditions of employment of all employees of the Employer engaged in, but not limited to, the a) manufacture, fabrication, assembling, handling, erection, installation, dismantling, conditioning, adjustment, alteration, repairing and servicing of all ferrous or non-ferrous metal work and all other materials used in lieu thereof and of all HVAC systems, air-veyor systems, exhaust systems, and air handling systems regardless of material used, including the setting of all equipment and all reinforcements in connection therewith; (b) all lagging over insulation and all duct-lining; (c) testing, servicing, and balancing of all air-handling equipment and duct work; (d) the preparation of all shop and field sketches, whether manually drawn or computer assisted, used in fabrication and erection, including those taken from original architectural and engineering drawings or sketches, and (e) metal roofing; and (f) all other work included in the jurisdictional claims of Sheet Metal Worker's International Association.

Industrial Door-Installation and service of overhead doors roll up doors, docks and dock leveling.

Special Jurisdictional Note :

Details :

Work but not limited to:Exterior application of manufactured and/or job site fabricated metal decking, siding and exterior appurtenances thereto. The erection of pre-engineered metal buildings, pre-manufactured gas stations and appurtenances thereto. The installation of metal roofs and appurtenances. The erection and/or job site fabrication of draft or fire curtains and appurtenances thereto.

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN01-2020fbLoc669

Craft : Sprinkler Fitter Effective Date : 04/08/2020 Last Posted : 04/08/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$40.40		\$10.23	\$6.80	\$0.52	\$0.00	\$5.12	\$0.10	\$0.00	\$0.00	\$63.17	\$83.37
Apprentice Indentured after April 1, 2013	Percent											
CLASS 1	45.00	\$18.18	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$26.55	\$35.64
CLASS 2	50.00	\$20.20	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$28.57	\$38.67
CLASS 3	54.38	\$21.97	\$10.23	\$6.80	\$0.52	\$0.00	\$1.15	\$0.10	\$0.00	\$0.00	\$40.77	\$51.75
CLASS 4	59.38	\$23.99	\$10.23	\$6.80	\$0.52	\$0.00	\$1.15	\$0.10	\$0.00	\$0.00	\$42.79	\$54.78
CLASS 5	64.38	\$26.01	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$45.06	\$58.06
CLASS 6	69.38	\$28.03	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$47.08	\$61.09
CLASS 7	74.38	\$30.05	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$49.10	\$64.12
CLASS 8	79.38	\$32.07	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$51.12	\$67.15
CLASS 9	84.38	\$34.09	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$53.14	\$70.18
CLASS 10	89.38	\$36.11	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$55.16	\$73.21

Special Calculation Note : \$0.10 for Other is National Fire Sprinkler Association

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.

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.

Prevailing Wage Rate

Skilled Crafts

Name of Union: Truck Driver Bldg & HevHwy Class 1
Locals 20,40,92,92b,100,175,284,438,377,637,908,957

Change # : OCRO1-2019fbBldgHevHwy

Craft : Truck Driver Effective Date : 09/11/2019 Last Posted : 09/11/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Truck Driver CLASS 1 4 wheel service, dump, and batch trucks, Oil Distributor - Asphalt Distributor-Tandems	\$28.04		\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.14	\$57.16
Apprentice	Percent											
First 6 months	80.00	\$22.43	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.53	\$48.75
7-12 months	85.00	\$23.83	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.93	\$50.85
13-18 months	90.00	\$25.24	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.34	\$52.95
19-24 months	95.00	\$26.64	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.74	\$55.06
25-30 months	100.00	\$28.04	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.14	\$57.16

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

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND,
ASHTABULA, ATHENS, AUGLAIZE,
BELMONT, BROWN, BUTLER,
CARROLL, CHAMPAIGN, CLARK,
CLERMONT, CLINTON, COLUMBIANA,
COSHOCOTON, 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.

Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 2
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

Change # : LCRO1-2019-fbBldgHevHwy

Craft : Truck Driver Effective Date : 10/16/2019 Last Posted : 10/16/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)	
Classification											
Truck Driver CLASS 2 Tractor Trailer-Semi Tractor Trucks-Pole Trailers-Ready Mix Trucks-Fuel Trucks- Asphalt-Oil Spray bar men- 5 Axle & Over - Belly Dumps-End Dumps-Articulated Dump Trucks- Low boys-Heavy duty Equipment(irrespective of load carried) when used exclusively for transportation-Truck Mechanics (when needed)	\$28.46		\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.56
Apprentice	Percent										
First 6 months	80.00	\$22.77	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.87
7-12 months	85.00	\$24.19	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.29
13-18 months	90.00	\$25.61	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.71
19-24 months	95.00	\$27.04	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.14
25-30 months	100.00	\$28.46	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.56

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

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND,
ASHTABULA, ATHENS, AUGLAIZE,
BELMONT, BROWN, BUTLER,
CARROLL, CHAMPAIGN, CLARK,
CLERMONT, CLINTON, COLUMBIANA,
COSHOCOTON, 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.

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN02-2019fbLoc669

Craft : Sprinkler Fitter Effective Date : 01/22/2020 Last Posted : 01/22/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$39.07		\$10.23	\$6.80	\$0.52	\$0.00	\$5.12	\$0.10	\$0.00	\$0.00	\$61.84	\$81.37
Apprentice Indentured after April 1, 2013	Percent											
CLASS 1	45.00	\$17.58	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$25.95	\$34.74
CLASS 2	50.00	\$19.53	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$27.91	\$37.67
CLASS 3	55.00	\$21.49	\$10.23	\$6.80	\$0.52	\$0.00	\$0.65	\$0.10	\$0.00	\$0.00	\$39.79	\$50.53
CLASS 4	60.00	\$23.44	\$10.23	\$6.80	\$0.52	\$0.00	\$0.65	\$0.10	\$0.00	\$0.00	\$41.74	\$53.46
CLASS 5	65.00	\$25.40	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$43.95	\$56.64
CLASS 6	70.00	\$27.35	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$45.90	\$59.57
CLASS 7	75.00	\$29.30	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$47.85	\$62.50
CLASS 8	80.00	\$31.26	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$49.81	\$65.43
CLASS 9	85.00	\$33.21	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$51.76	\$68.36
CLASS 10	90.00	\$35.16	\$10.23	\$6.80	\$0.52	\$0.00	\$0.90	\$0.10	\$0.00	\$0.00	\$53.71	\$71.29

Special Calculation Note : \$0.10 for Other is National Fire Sprinkler Association

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.

3 Journeymen to 1 Apprentice
per company/project

note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA,
ATHENS, AUGLAIZE, BELMONT, BROWN,
BUTLER, CARROLL, CHAMPAIGN, CLARK,
CLERMONT, CLINTON, COLUMBIANA,
COSHOCOTON, 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.

3 Journeymen to 1 Apprentice
per company/project

note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA,
ATHENS, AUGLAIZE, BELMONT, BROWN,
BUTLER, CARROLL, CHAMPAIGN, CLARK,
CLERMONT, CLINTON, COLUMBIANA,
COSHOCTON, CRAWFORD, DARKE, DEFIANCE,
DELAWARE, ERIE, FAIRFIELD, FAYETTE,
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