



To: All Plan Holders of Record

From: Verdantas LLC
For the Owner

Re: Addendum No. 1
2024 Colgate Sewer Rehabilitation Project
City of Marietta

Date: June 20, 2025

This Addendum forms a part of the contract documents and modifies the original bidding documents dated May 2025 and all previous addenda, if any. Acknowledge receipt of this addendum in the space provided in the bid forms. Failure to do so may subject the bidder to disqualification.

MANDATORY PRE-BID CONFERENCE

Attached is the Conference Agenda, Minutes and Sign-In Sheet

QUESTIONS AND ANSWERS

Q1. Is a pre-liner required for Cured-in-place pipe (CIPP) lining?

A1. Yes, a pre-linear is to be included.

Q2. Would you consider Quadex Quad-Plug as an approved cementitious grout Per section 330130.81 part 2.6, B?

A2. Yes, Quadex Quad-Plug is an approved equivalent.

Q3. Would you consider Quadex Hyperform as an approved equal Per section 330130.81 part 2.6, C?

A3. Yes, Quadex Hyperform is an approved equivalent.

Q4. Would the owner consider Quadex Geokrete a solution for manhole lining Per section 330130.81 part 2.6, E?

A4. No. The owner will only allow material types as specified in this addendum.

Q4. Would you consider Quadex I&I Guard PRF an approved grout per Section 9 Part 2.03?

A4. Yes

Q5. What type of flows are to be expected? Is there sample data?

A5. See table below where flow metering was performed prior to this project. This is relative to the time it was performed and does not necessarily reflect all locations within the area and is subject to vary at these locations as well. This may be used for initial sizing and development of work plans for performing sewer work.

Manhole	AVG DWF (MGD)	Peak WWF (MGD)
MH 8-20	0.26	1.39
MH 8-3	0.15	0.72
MH 9-16	0.11	1.07
MH 9-87	0.07	0.41

BID DOCUMENTS

Replace Prices to Include, Pages BD.9 to BD.18, with the enclosed Prices to Include, Pages BD.9A to BD.18A.

BID FORMS

Replace Bid Form, Pages BF.8 to BF.9, with the enclosed Bid Form, Pages BF.8A to BF.9A.

Item Ref. No. 28 has been added and is to be utilized as directed by the Engineer for unscheduled work items not included on the proposal forms or other changes in the work. Any portion of the allowance not utilized shall be credited to the Owner.

SPECIFICATIONS

Replace Specification Section 330130.81 with the enclosed Section 330130.81 with revision date 6/17/2025.

PREVAILING WAGES

Section 9, Prevailing Wage Rates - **Replace** the Wage Rate Schedule with the following:

Heavy and Highway – Decision No. OH20250001, Modification No. 11, dated 06/06/2025

Bidders shall utilize this revised decision when compiling their Bid.

PLANS

Replace the plan set sheets 1 to 82 with the enclosed plan set with revision date of 6/19/2025. Full set is available online. Plan holders will be UPS'd hard copies.

Specific updates included below:

1. Sheet 2 (G-02) – Added Note 4 under “Manhole Rehabilitation”.
2. Sheets 10-69 (C-01 to C-60) – Various manholes have Coded Note 9 related to Misc. Manhole Improvement Allowance.
3. Sheets 70-75 (C-061 to C-66) – Various manholes have updated notes that are clouded out in attached plans

TM:mep

Enclosures

H:\2023\231342\SPEC\Addenda\Addendum 01\Addendum 01.Doc

Pre-Bid Meeting AGENDA

Verdantas Project#: 231342

PROJECT: 2024 COLGATE SEWER REHABILITATION PROJECT

OWNER: City of Marietta, Ohio

LOCATION: 304 Putnam Street, Marietta, Ohio 45750

OPINION OF PROBABLE CONSTRUCTION COST: \$7,750,000

BID OPENING DATE: June 26, 2025

COMPLETION DATE: 365 days from NTP

CONTRACT HIGHLIGHTS:

All questions during bidding should be addressed to Mr. Tim McLaughlin P.E. Questions during meeting (to be answered formally through addendum). Request that all questions asked today be submitted via email to ensure they are answered properly.

AGENDA:

1. Introductions – Verdantas team/City Staff; introductions around the room
2. Project Summary
 - a. CIPP Lining of mainline sewers as noted in drawings
 - i. 28,000 LF 8-inch
 - ii. 3,000 LF 10-inch
 - iii. 6,000 LF 12-inch
 - iv. Contingency item 8-15 inch heavy cleaning as directed
 - v. Refer to specification 330130.72
 - vi. Refer to specified liner thicknesses
 - b. Point Repairs
 - i. Paid as EACH (8-ft)
 - ii. Additional footage contingency
 - c. Manholes
 - i. Rehab (Addendum 01 - Polymeric Lining)
 1. Polyurethane Only
 2. Refer to specification 330130.84
 - ii. Invert and Channel Repair
 - iii. Manhole Replacement
 - iv. Inside Drop Connections
 - v. Refer to Manhole Improvement Schedule for Specific Improvements
 - vi. Addendum 01 – Additional interior modification work
 - d. Lateral Repairs
 - i. (56) lateral liners
 - ii. (65) protruding taps

- iii. (250) connection reinstatements
 - iv. (40) lateral and cleanout replacements
 - e. Easements and Temporary Access Requirements
 - f. MOT (OMUTCD 614)
 - g. Erosion Control
- 3. General Items
 - a. Funding
 - i. WPCLF (DEFA)
 - 1. DBE participation goals
 - 2. SBRAs participation goals
 - b. Schedule
 - i. NTP expectation (Funding Coordination)
 - ii. Milestone Completion Dates (None)
 - c. Working Hours (800-1700) Monday-Friday
 - d. Construction Requirements
 - i. Must be registered contractor with City of Marietta
 - ii. Shop Drawings shall be submitted to ENGINEER for review and approval
 - iii. Inspection must be scheduled 48 hours in advance
 - iv. Maintenance Bond of 2 years for all work excluding any work related to LCDU (3 years)
 - e. General Conditions:
 - i. Geotech (no report)
 - ii. OUPS Utility Coordination
 - iii. Disposal of Materials
 - iv. Water Supply
 - v. Lay Down Areas
 - vi. Private Property Coordination
 - f. Addendums
 - i. Addendum 01
 - 1. Pre Bid Meeting Minutes and Sign In
 - 2. General Questions and Clarifications
 - 3. Specifics – Polymeric Lining Requirement and Additional Manhole Work

Questions and Answer: See Minutes

SIGN IN:

Name	Company	Email	Phone
Tim McLaughlin	Verdantas	tmclaughlin@verdantas.com	440-530-2352
Chris Rybak	Verdantas	crybak@verdantas.com	440-530-2226
Amanda Rinehart	City of Marietta	AmandaRinehart@mariettaoh.net	740-373-5495
Ryan Boley	City of Marietta	RyanBoley@mariettaog.net	740-373-3858
Scott Hamm	Sherry & Samos	S.HAMM@SHELLYANDSAMOS.COM	304 679 4248
Ryan Green	OWV Exc	rgreen@owvexcavating.com	740-676-7464
Denn Young	Insight Pipe Contracting	denn.young@Insightpipe.com	412-812-2321
Mike Snow	Performance Pipelining, INC.	SNOWMIL687@gmail.com	630-881-2280
John Hunter	Performance Pipelining, IN	Jhunter@ppi-liner.com	815-795-0594
MIKE MUNCIE	TAM CONSTRUCTION, INC.	TAM@TAMCONSTRUCTIONINC.COM	740-592-5700
Jeff Eaton	United Survey Inc	USI@unitedsurveyinc.com	614-214 5424
Tony Tysinger	CAT	ttyssinger@ohiocat.com	614-403-2458
Isaac Edwards	Cat	IEdwards@ohiocat.com	740 510 5058
Scott Portner	OFW CAT	spontiox@ohiocat.com	614 314-8993
Jed Hoopes	Laborers 639	jedhoopes639@gmail.com	740-721-8023
Bobby McMaster	Insight	Bmcmaster@azoria.com	412-778-9213
Luke Williams	XYLEM/Godwin Bypass Pumping	luke.williams@xylem.com	681-610-6262

Pre-Bid Meeting Minutes

2024 Colegate Sewer Rehabilitation Project
Mandatory Pre-Bid Meeting
Location: 304 Putnam Street, Marietta Ohio
Date: 06/10/2025
Start time: 10:00 am EST
Owner: City of Martita (City)

Introduction of project representatives:

Tim McLaughlin, Project Engineer – Direct all questions to Tim
Chris Rybak, Project Manager
Amanda Rinehart, Project Manager
Ryan Boley, Water Reclamation Superintendent

Cost of the project is \$7.75 million.

Bid opening date is June 26, 2025

Project to be completed 365 days after notice to proceed

Addendum 1 will be coming out Friday June 13, 2025

Tim McLaughlin reviewed the project summary with notes below:

1. Cured in place pipe (CIPP) lining (linear thickness in plans on plan and profile pages)
 - a. 28,000 feet of 8" sewer
 - b. 3,000 feet of 10" sewer
 - c. 6,000 feet of 12" sewer
 - d. Refer to Specification 330130.72 for all CIPP lining requirements
2. Cleaning of pipes
 - a. Pipes have been cleaned in the last 3/ 4 months. However NASCOO guidelines must be followed and it is the responsibility of the contractor to clean and televise the line before installing the linear and then to televise post installation.
3. Point repairs
 - a. Paid by each and additional footage
 - b. Each will be a minimum point repair length of 8 feet
 - c. Additional footage will be anything additional footage outside of that 8 feet (example; a 10 foot point repair will be counted as 1 point repair with 2 additional feet). There may be an as needed directive to add those items.
4. Manhole rehabilitation / Manhole work
 - a. Manhole lining of 48" and 60" manholes
 - b. Invert and channel repair
 - c. Manhole replacement as noted in the plans
 - d. Repair or abandonment of existing external drops and adding an internal drop
 - e. Currently have two manhole liners specified. Addendum 1 will show that only polyurethane baseliner or approved equivalent will be accepted.
 - f. An allowance will be added for additional manhole work that will be addressed in addendum 1.
5. Lateral repairs
 - a. 56 lateral that will be lined and clean outs – through interior not through excavation
 - b. Connection reinstatement after lining the mainline sewer
6. Easements and Temporary access
 - a. Area is vast in terms of area that work is being completed in.

- b. All easements and temporary access limits are shown in the plans
- c. The contractors responsible for coordinating with property owners will work is in progress.
- d. Contractor shall come up with a construction schedule well ahead of time that meets City's requirements but also accommodates the residents.
- 7. Maintenance of traffic and erosion control plan
 - a. Responsibility of the contractor and must submitted to the City for approval.
- 8. Project is funded by Water Pollution Control Loan Fund (WPCLF) a state-run funding agency that uses federal dollars
 - a. Contractor will be at a minimum be required to prove they are trying to get participation from a DBE disadvantaged business and SPRA the base of rural businesses

Tim McLaughlin reviewed the General Project Requirements below:

- 1. Paperwork will be submitted to the City and it will be approximately 60-90 days for notice to proceed when bid is awarded.
- 2. No set milestone completion dates.
- 3. Working hours are between the hours of 8am to 5 pm Monday through Friday. Exceptions may be granted but prior approval from the City AND the resident must granted.
- 4. All contractors must be registered with the City.
- 5. Shop drawings must be submitted and approved by the engineer before any work is done. Work completed before a shop drawings has been approved sets you at risk.
- 6. Inspection will be needed for this project. Inspection must be scheduled 48 hours in advance.
- 7. No geotechnical report was completed. It is the responsibility of the contractor to identify soil type for any open cut work.
- 8. Contractor is responsible for identifying any existing utilities for point repairs or open excavation.
- 9. Disposal of all materials in regards to this project is the responsibility of the contractor. City gave heads up that contractor working on current project had a difficult time finding a local place that would accept the disposal.
- 10. Any materials or equipment left on site must have prior approval from the City if on city property or the resident if on their property. Must be a written agreement, no verbal agreement allowed.
- 11. Bypass plan must be approved by the engineer
- 12. Contractor is responsible for notifying all residents within the project limits of the nature of the work and notify them of possible odors that could enter their home or be within the area.
- 13. Contractor is responsible for developing a safety plan not only for their employees for the residents/ pedestrians in the area as well.
- 14. There is an autism center on the down stream end of the project. Extra time is time is needed for notification. It just also be noted that there is a hospital within the project limits.

15. Contractors were encouraged to drive around and see project in person because there will be no additional payment for landmarks and trees.

Questions and Answers:

Q1: Are there any lift stations near the project?

A1: Yes, but not within the limits of the project. Two lift stations are upstream of the project.

Q2: It was stated that the pipes had recently been clean and televised. Do you have those video and will those be provided?

A2: Yes, we are waiting for the final logs from the subcontractor and then we will provide those videos and logs.

Q3: Clearance and restoration for accessing private property?

A3: A pre construction video must be completed to document site conditions. The site must be restored to as it was in the video or better. If a tree needs to be removed the City/ resident must be notified and approval must be granted if it is within the City property, or the resident if it is on their property.

Q4: Are all point repairs set or can we try to repair by lining?

A4: If a point repair comes where the contractor thinks that the lining will be able to repair the pipes structural integrity the contractor can submit and get approval from the engineer.

Q5: Is there water available to purchase?

A5: Yes, get in contact with the City's Water superintendent and they will supply a meter.

Q6: Are pre-liners required?

A6: Answered via addendum

Q7: What are the wet weather flow rates?

A7: Answered via addendum

Q8: Documentation states it is the responsibility of the contractor to obtain permits. What permits are required?

A8: A right of way permit will need to be filled out. There will be no charge for that.

PRICES TO INCLUDE

PART 1 - GENERAL

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

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All labor, materials, tools, equipment necessary to perform restoration of all areas impacted during construction to pre-construction conditions or better.
- 1.3 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.4 Project coordination and scheduling.
- 1.5 Detailed breakdown of lump sum bid items as requested by the Engineer.
- 1.6 All provisions necessary to protect workmen, the general public, and property along the work in accordance with the Contract Documents.
- 1.7 Protection and/or replacement of existing property corner monuments.
- 1.8 Record drawings of the installed location of all underground electrical conduit, sewers, tees, wyes, laterals, etc.
- 1.9 Reimbursement to Owner for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.10 All erosion control measures needed commensurate with the contractor's means and methods.
- 1.11 Clearing and Grubbing necessary to access and perform all work unless specifically noted in a pay item.
- 1.12 Construction staking of the improvements.
- 1.13 Coordination and communication with any and all property owners of which will be indirectly or directly impacted by improvements.
- 1.14 The unit price shall include saw cutting, removal and disposal if the proposal item includes removal.
- 1.15 Pavement striping required with pavement replacement and/or curb ramp installation.
- 1.16 Temporary mailboxes, including the removal, storing, and reinstalling of any existing mailboxes impacted by the project.
- 1.17 Removal and reinstallation of any street signs necessary to complete the work.

PART 2 - ITEMS

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T. specification except as specifically altered by other provisions of this contract. No slag or recycled materials, including recycled asphalt products (RAP) are permitted for use for any aspect of this project.

2.1 (SPC) PRECONSTRUCTION VIDEOTAPE DOCUMENTATION

Basis of Payment

The lump sum price shall include all costs associated with hiring a professional videotaping firm to document in detail the existing conditions of the entire work area and potential disturbed areas and submitting a high quality DVD with audio commentary and video log. The unit price shall also include mobilization, setup, televising the lateral sewer pipe from the main to the Right-of-Way, accurately measuring the location of connecting pipes or test tee/risers, DVDs, inspection logs, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work as specified or as shown. DVDs and logs shall be turned over to the Owner prior to payment for this item.

2.2 (SPC) BONDS AND INSURANCES, AS PER PLAN

Basis of Payment

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

- 2.3 (253) TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), ROADWAY, AS PER PLAN
- 2.4 (253) TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), DRIVEWAY OR APRON, RESIDENTIAL, AS PER PLAN
- 2.5 (253) TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), ROADWAY, AS PER PLAN
- 2.6 (253) TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN
- 2.7 (253) TYPE "F" PAVEMENT REPLACEMENT (STONE), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN

Method of Measurement

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

Basis of Payment

The basis of payment shall be as per ODOT 253 or 255 as applicable with the following additions: The unit price shall also include saw cutting; integral or non-integral curb removal; integral curb replacement; furnishing, installation, maintenance, removal, and disposal of temporary road materials or temporary pavement courses; preparation for permanent pavement courses; and any additional expenses for cold weather protection.

2.8 (603) 8 INCH - 15 INCH SANITARY SEWER HEAVY CLEANING, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of linear feet cleaned per the specifications measured centerline to centerline of manholes.

Basis of Payment

The unit prices for the various sizes of pipes shall include furnishing water, cleaning equipment, root and encrustation removal, the complete removal and disposal of debris as per NASSCO guidelines for heavy cleaning of sewers. This item shall include pre and post cleaning CCTV per NASSCO guidelines. Any section that is reviewed by the Engineer and determined to not be completing cleaned shall be recleaned and televised at no additional cost to the Owner. This will be only be utilized as authorized by the Engineer.

2.9 (603) 6-INCH CURED-IN-PLACE PIPE LINING - LATERAL, AS PER PLAN

Note: This line item is intended to be used for lining laterals in the right-of-way from main to cleanout.

Method of Measurement

The quantity to be paid shall be the number of sanitary laterals lined as directed by the Engineer.

Basis of Payment

The unit prices for the various sizes of liner pipe shall include sewer lateral cleaning, heavy cleaning, measurements of existing pipe size and length to verify plan notes, determination of live connections, sewage bypassing, liner material and installation, processing, cooling, sealing of liner at ends, root removal, testing, post-installation videotaping, cleanup, restoration, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work in accordance with these specifications, the manufacturer's recommendations, or as shown. No additional payment will be made for transitions in pipe sizes at the wye/tee connection or within the proposed lining segment within ± 1 inch of the specified native material size.

2.10 (603) 8 INCH CURED-IN-PLACE PIPE LINING

2.11 (603) 10 INCH CURED-IN-PLACE PIPE LINING

2.12 (603) 12 INCH CURED-IN-PLACE PIPE LINING

Method of Measurement

The quantity to be paid shall be the number of linear feet installed per the specifications measured inside wall to inside wall of manholes for the mainline.

Basis of Payment

The unit prices for the various sizes of liner pipe shall all required preparation and performatory work as required by NASSCO and project specifications including but not limited to; sewer cleaning, measurements of existing pipe size and length, to verify plan notes, determination of live connections, sewage bypassing, liner material and installation, processing, cooling, sealing of liner at manholes, testing, post-installation video recording, cleanup, restoration, and the furnishing of all labor, material, tools and appurtenances necessary to complete the work in accordance with these specifications, the manufacturer's recommendations, or as shown. The minimum thickness of the liner material shall be as specified on the Plans.

2.13 (603) CONNECTION REINSTATEMENT, AS PER PLAN

Method of Measurement

The quantity shall be the number of reinstatements performed in accordance with the plans and specifications and as directed by the Engineer.

Basis of Payment

The unit price shall include the furnishing of all work necessary to neatly cut the liner pipe at the live service connection locations and the furnishing of all labor, material, tools and appurtenances necessary to complete the work as specified or as shown.

2.14 (603) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of protruding tap-in connections to be removed as directed.

Basis of Payment

The unit price shall be irrespective of the size, depth, location, or orientation of the protruding connection. The unit price shall include the labor, materials, and tools necessary to remove the protruding connection to an extent that enables proper installation of the CIPP liner. The unit price shall also include any additional connections requiring reinstatement that are not listed within the plans. No additional cost shall be paid for these reinstatements.

2.15 (603) FIELD TEE CONNECTION, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of field tee connections replaced as directed.

Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and shall include horizontal and vertical surveying and layout; locating the existing service lateral to main connection location through sewer televising; field location, exploratory excavation, and

verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; pavement, earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; additional pipe as necessary for connection; specials; bends; tees; fittings; tri-band couplings (w/center shear band); adapters; plugs; stoppers; cleanouts; bulkheads; jointing material; compaction and compaction testing of backfill material; replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; site cleanup; and the furnishing of all labor

- 2.16 (603) 6 INCH CONDUIT POINT REPAIR, AS PER PLAN
- 2.17 (603) 8 INCH CONDUIT POINT REPAIR, AS PER PLAN
- 2.18 (603) 10 INCH CONDUIT POINT REPAIR, AS PER PLAN
- 2.19 (603) 12 INCH CONDUIT POINT REPAIR, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of conduit (sewer pipe) point repairs constructed per the specifications. Each point repair shall include eight (8) feet of pipe. Additional Footage: If the length of a point repair is greater than 8 linear feet, the quantity of additional footage shall be paid under the various Sanitary Sewer, As Per Plan pay items for those respective diameter point repairs. The additional number of lineal feet of sewer point repair shall only be utilized where point repairs are greater than that of which is on the plan sheets or as directed by the Engineer. No additional payment shall be made for when additional pipe is removed and replaced that is not agreed upon in writing between the Engineer and Contractor prior to commencement of such point repair.

Basis of Payment

The unit price per point repair item shall be irrespective of the depth, class or size of pipe and, if not called out as a separate pay item, shall include horizontal and vertical surveying; locating and reconnecting the existing service connection field location, exploratory excavation, and coordination, verification, and field locating of all existing public and/or private utilities prior to excavation; traffic maintenance including signs, barricades, and flaggers; clearing and grubbing and/or protection of existing trees or vegetation; protection and/or replacement of all existing utilities; pavement, earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; foundation as necessary regardless of depth; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; plugs; stoppers; cleanouts; bulkheads; jointing materials; connection, including couplers and concrete collars, to existing conduit or structures; wye and tee connections with replacement of riser and necessary lateral pipe if encountered and disturbed as a part of the point repair;; compaction and compaction testing of suitable backfill material where low strength mortar is not used; correction of settlement for one (1) year; internal videotaping; Owner's costs related to re-inspection of pipe failing internal videotaping; temporary pavement;; replacement or supporting of power and telephone poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; surface grading, restoration, seeding and mulching of all disturbed areas; site

cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

- 2.20 (603) 6 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, AS PER PLAN, AS DIRECTED
- 2.21 (603) 8 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, AS PER PLAN, AS DIRECTED
- 2.22 (603) 10 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, AS PER PLAN, AS DIRECTED
- 2.23 (603) 12 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, AS PER PLAN, AS DIRECTED

Method of Measurement

The quantity of sewer to be paid for shall be determined for gravity sewers by the linear feet difference in horizontal stationing as noted in the plans or as directed by the Engineer. This item shall only be utilized when a point repair exceeds the 8' limit.

Basis of Payment

The unit price stipulated per lineal foot for sewer pipe of the various sizes and types specified shall be irrespective of the depth, class or size of pipe and, if not called out as a separate pay item, shall include horizontal and vertical surveying; locating and reconnecting the existing service connection field location, exploratory excavation, and coordination, verification, and field locating of all existing public and/or private utilities prior to excavation; traffic maintenance including signs, barricades, and flaggers; clearing and protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; pavement, earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; foundation as necessary regardless of depth; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; plugs; stoppers; cleanouts; bulkheads; jointing materials; connection, including couplers and concrete collars, to existing conduit or structures; wye and tee connections with replacement of riser and necessary lateral pipe if encountered and disturbed as a part of the point repair; compaction and compaction testing of suitable backfill material where low strength mortar is not used; correction of settlement for one (1) year; internal videotaping; Owner's costs related to re-inspection of pipe failing internal videotaping; temporary pavement;; replacement or supporting of power and telephone poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; surface grading, restoration, seeding and mulching of all disturbed areas; site cleanup; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

- 2.24 (608) CONCRETE WALK, INCLUDING REMOVAL, AS PER PLAN

The work, method of construction and materials for concrete walk, concrete curb ramps and concrete pavement for drives shall conform to ODOT Items 608, 452, 304, 203 and 202, except as modified herein or as shown on the contract drawings.

- A. There will be no separate measurement or payment for removal and disposal of existing walk or concrete drives or subbase, crushed limestone base, and subgrade compaction. These items of work shall be included in the furnishing and installation of new walks or curb ramps or concrete pavement for drives.

- B. Wire mesh reinforcing shall be furnished and installed if included in an existing apron. The cost of furnishing and installing the wire mesh reinforcing shall be included in the cost of this item of work.
- C. The unit price shall include Fiber Reinforcement as indicated.
- D. There will be no additional compensation for providing a thickened edge and/or integral curb, as detailed.
- E. ODOT Item 499 Concrete, Class QC1 shall be used for walks and curb ramps.
- F. Each and every sidewalk, drive slab and joint shall be edge tooled after texturing surface to match existing.
- G. ODOT 304 Aggregate Base, utilizing crushed limestone, shall be provided with these items.
- H. The unit price for curb ramps shall include all labor and materials necessary to construct ramps compliant with the Americans with Disabilities Act (ADA) regulations.

Method of Measurement

The quantity to be paid of concrete walk and concrete curb ramps to the thickness and class of concrete specified shall be the actual square dimension, square feet or square yards as indicated in the Proposal of finished surface complete in place.

Basis of Payment

The unit price stipulated per square foot or square yards (as indicated in the Proposal) for concrete walk and concrete curb ramp of the thickness and class of concrete specified shall be full compensation for furnishing all materials, grading, forming, finishing of the walk, curb ramp and pavement including removal and disposal of existing grass, sod, topsoil, bushes, trees, walk or pavement and curbs, necessary pavement saw cutting, clearing and grubbing, excavation and/or backfill to required line and grade, subgrade compaction as required, furnishing and installing subbase or base material, integral curbing, adjustment of water/gas service valves, concrete, curing compound, and expansion joint material; wire and/or mesh reinforcing as required; furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

2.25 (609) CURB, ALL TYPES, INCLUDING REMOVAL, AS PER PLAN
ODOT Item 499 Concrete, Class QC MS mix shall be used for all curb.

Basis of Payment

Payment shall be made in accordance with ODOT Item 609 and shall also include full depth diamond blade saw cutting as needed and removal of existing pavement, curb, or curb and gutter.

- 2.26 (611) MANHOLE REHABILITATION CLEANING AND LINING, 48 INCH, AS PER PLAN
- 2.27 (611) MANHOLE REHABILITATION CLEANING AND LINING, 60 INCH, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of vertical feet rehabilitated as measured from the lowest sewer to the top of the manhole casting. Average inner diameter is approximately that of which is listed in the manhole improvement schedule on the plans. No additional payment shall be made for any diameter or net area that exceeds that of the listed diameter on the plans. Refer to the manhole improvement schedule for the scope of work and relative information for each manhole to have work performed on.

Basis of Payment

The unit price paid shall include sewage flow control; cleaning, removal and disposal of all calcifications, removal of steps, chimney seal, pipe seals, lining of manhole, material testing, verification of cured liner materials, channel or invert restoration/reconfiguration/reconstruction, and the furnishing of labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. The liner thickness shall be per the approved manufacturer's recommendations. Any additional rehabilitation such as replacement of bricks, repair or replacement of invert or benches, manhole patching, or resetting of castings, shall be included within this item.

- 2.28 (611) 6 INCH SANITARY SEWER LATERAL W/TEST TEE/CLEAN OUT ASSEMBLY, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number of sanitary lateral test tee/clean out assemblies replaced as directed by the Engineer.

Basis of Payment

The unit price shall be irrespective of the depth of pipe, size of existing lateral or main and whether one or both of the connections are on the long side or short side of the main to R/W and shall include horizontal and vertical surveying and layout; locating the existing service connection alignment, main connection location and test tee location; field location, exploratory excavation, and verification of existing utilities prior to excavation; clearing and/or protection of existing trees or vegetation to be saved; protection and/or replacement of all existing utilities; earth and/or rock excavation; sheeting; shoring; disposal of undesirable and excess material; all pumping required for adequate handling of flow bypassing, underground water and/or surface water; bedding; the furnishing and laying of pipe; specials; bends; tees; fittings; tri-band couplings (w/center shear band); adapters; O-rings; plugs; stoppers; sanitary and storm test tee/clean out assemblies and trap (most storm sewer laterals); bulkheads; jointing material; compaction of backfill material; replacement of poles, posts, signs, mailboxes, paper boxes, fences, landscape timbers, guardrail, sign wiring, fixtures, or other appurtenances; site cleanup; steel plating; installation, maintenance, removal, and disposal of temporary road materials or temporary pavement courses; preparation for permanent pavement courses; installation of permanent pavement courses; cold weather

protection; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.29 (611) TYPE "A" SANITARY MANHOLE, AS PER PLAN

2.30 (611) TYPE "B" SANITARY MANHOLE, AS PER PLAN

Method of Measurement

The number of each (EA) type manhole or junction chamber to be paid for shall be the actual number furnished and built in place in accordance with the contract drawings and with these specifications.

Basis of Payment

The unit price shall be irrespective of the depth of the structures, and shall include the furnishing and construction in place of the manholes and junction chambers complete with excavation; foundation; backfill; frame and cover; steps; concrete; steel reinforcement; lining material; bricks; mortar; plastering; precast manhole sections; transition; flexible joints; granular backfill under proposed or existing pavements, walks, drives, existing drainage structures, and disposal of all undesirable material; testing and inspections; and the furnishing of all labor, materials, tools and appliances necessary to complete the work as specified or as shown. The unit price shall also include the removal of the existing manhole and all sewer stubs and plugs or connection of existing sewers to the structure as indicated on the contract drawings or directed by the Engineer. Adjustments in final casting elevations of plus or minus one (1) foot shall be included in the price for each structure.

2.31 (611) SANITARY MANHOLE INSIDE DROP CONNECTION, AS PER PLAN

Method of Measurement

The number of each (EA) inside drop structure associated work necessary to complete the improvement as detailed on the plans and noted in the Interior Drop Detail.

Basis of Payment

The unit price shall be irrespective of the depth/length of the structures, and shall include all materials, labor, equipment, tools, and appurtenances necessary to complete work as detailed on the plans including but not limited to any bypassing or plugging of flow, abandonment of the existing exterior drop (capping and grouting in place), removal and disposal of any excess materials necessary to complete the work, reconstruction of invert to allow a smooth and laminar transition of flow from bottom of proposed interior drop, and all necessary cleaning, preparatory work, installation, and verification or operation for the interior drop structure in accordance with the manufacturer's and project specifications.

2.32 MANHOLE, MISC.: MANHOLE REHABILITATION ALLOWANCE

Basis of Payment

Manhole, Misc.: Manhole Rehabilitation Allowance has been included in the Bid Proposal as designated amount for performing work within manholes that is not currently specified in the manhole improvement schedule in the plans or in quantities for the various manhole related pay items in the bid proposal. The Contractor may be requested to perform work under this allowance that falls under pay items included in the bid proposal or perform with no pay item that will be determined based on the Contractor's and Owners assessment or work required. Refer to Note 4 of "MANHOLE REHABILITATION" on Sheet G-02 for additional context and details in regards to this work to be performed under this allowance.

2.33 SPECIAL - SITE RESTORATION

Basis of Payment

The lump sum price shall include restoration of all areas impacted during construction to pre-construction conditions or better, and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown. This will be for areas disturbed not defined by other pay items or as items the Contractor shall be responsible to pay in the event they require restoration. Any area disturbed outside of the improvement areas, permanent easements, or temporary access areas shall be responsibility of the Contractor to restore to it pre-construction condition without any additional payment.

Proposal to City of Marietta
For 2024 Colgate Sewer Rehabilitation Project

Project No. 231342

REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
1	(SPC) PRECONSTRUCTION VIDEO DOCUMENTATION	1.00	LS	\$	\$	\$	\$
2	(SPC) BONDS AND INSURANCES, AS PER PLAN	1.00	LS	\$	\$	\$	\$
3	(SPC) TYPE "A" PAVEMENT REPLACEMENT (CONCRETE), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	100.00	SY	\$	\$	\$	\$
4	(SPC) TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), ROADWAY, AS PER PLAN	200.00	SY	\$	\$	\$	\$
5	(SPC) TYPE "C" PAVEMENT REPLACEMENT (ASPHALT), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	100.00	SY	\$	\$	\$	\$
6	(SPC) TYPE "F" PAVEMENT REPLACEMENT (STONE), DRIVEWAY, APRON, OR PARKING LOT, AS PER PLAN	25.00	SY	\$	\$	\$	\$
7	(SPC) 8 INCH - 15 INCH SANITARY SEWER HEAVY CLEANING, AS PER PLAN	15,000.00	FT	\$	\$	\$	\$
8	(SPC) 6 INCH CURED-IN-PLACE PIPE LINING - LATERAL, AS PER PLAN	56.00	EACH	\$	\$	\$	\$
9	(SPC) 8 INCH CURED-IN-PLACE PIPE LINING	28,000.00	FT	\$	\$	\$	\$
10	(SPC) 10 INCH CURED-IN-PLACE PIPE LINING	3,000.00	FT	\$	\$	\$	\$
11	(SPC) 12 INCH CURED-IN-PLACE PIPE LINING	6,000.00	FT	\$	\$	\$	\$
12	(SPC) CONNECTION REINSTATEMENT, AS PER PLAN	250.00	EACH	\$	\$	\$	\$
13	(SPC) PROTRUDING TAP-IN CONNECTION REMOVED, AS PER PLAN	65.00	EACH	\$	\$	\$	\$
14	(SPC) FIELD TEE CONNECTION, AS PER PLAN	5.00	EACH	\$	\$	\$	\$
15	(SPC) 8 INCH CONDUIT POINT REPAIR, AS PER PLAN	105.00	EACH	\$	\$	\$	\$
16	(SPC) 10 INCH CONDUIT POINT REPAIR, AS PER PLAN	10.00	EACH	\$	\$	\$	\$
17	(SPC) 12 INCH CONDUIT POINT REPAIR, AS PER PLAN	15.00	EACH	\$	\$	\$	\$
18	(SPC) 8 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	250.00	FT	\$	\$	\$	\$
19	(SPC) 10 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	35.00	FT	\$	\$	\$	\$
20	(SPC) 12 INCH CONDUIT POINT REPAIR, ADDITIONAL FOOTAGE, CONTINGENCY, AS PER PLAN, AS DIRECTED	25.00	FT	\$	\$	\$	\$
21	(604) MANHOLE REHABILITATION CLEANING AND LINING, 48 INCH DIAM., AS PER PLAN	1,050.00	VERT FT	\$	\$	\$	\$

Proposal to City of Marietta
For 2024 Colgate Sewer Rehabilitation Project

Project No. 231342

REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
22	(604) MANHOLE REHABILITATION CLEANING AND LINING, 60 INCH DIAM., AS PER PLAN	150.00	VERT FT	\$	\$	\$	\$
23	(609) CURB, TYPE 6, AS PER PLAN	300.00	FT	\$	\$	\$	\$
24	(611) 6 INCH SANITARY SEWER LATERAL W/TEST TEE/CLEAN OUT ASSEMBLY, AS PER PLAN	40.00	EACH	\$	\$	\$	\$
25	(611) TYPE "A" SANITARY MANHOLE, AS PER PLAN	28.00	EACH	\$	\$	\$	\$
26	(611) TYPE "B" SANITARY MANHOLE, AS PER PLAN	1.00	EACH	\$	\$	\$	\$
27	(611) SANITARY MANHOLE INSIDE DROP CONNECTION, AS PER PLAN	15.00	EACH	\$	\$	\$	\$
28	(611) MANHOLE, MISC.: MANHOLE REHABILITATION ALLOWANCE	1.00	LS	\$	\$	\$ 325,000.00	\$ 325,000.00
29	(680) SPECIAL - SITE RESTORATION	1.00	LS	\$	\$	\$	\$
INFORMAL TOTAL BID				\$			

SECTION 330130.81 - SEWER MANHOLE REHABILITATION

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.
- B. Other Sections Referenced:
 - 1. Section 329200.19 - Seeding and Mulching
 - 2. Section 330130.63 – Chemical Sealing Materials
- C. Other documents which shall be considered part of and included in these specifications
 - 1. ASTM A 48 Specification for Gray Iron Castings.
 - 2. ASTM A 240 Specification for Heat-Resisting Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels.
 - 3. ASTM A 536 Specification for Ductile Iron Castings.
 - 4. ASTM C 32 Specification for Sewer and Manhole Brick (Made from Clay or Shale).
 - 5. ASTM C 78 Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading).
 - 6. ASTM C 109 Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or 50-mm Cube Specimens).
 - 7. ASTM C 270 Specification for Mortar for Unit Masonry.
 - 8. ASTM C 321 Test Method for Bond Strength of Chemical-Resistant Mortars.
 - 9. ASTM C 478 Specification for Precast Reinforced Concrete Manhole Sections.
 - 10. ASTM C 496 Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens.
 - 11. ASTM C 579 Test Methods for Compressive Strength of Chemical-Resistant Mortars and Monolithic Surfacing.
 - 12. ASTM C 596 Test Method for Drying Shrinkage of Mortar Containing Portland Cement.
 - 13. ASTM C 923 Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures and Pipes.
 - 14. ASTM D 638 Test Method for Tensile Properties of Plastics.
 - 15. ASTM D 695 Test Method for Compressive Properties of Rigid Plastics.
 - 16. ASTM D 790 Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.
 - 17. ASTM D2566 Test Method for Linear Shrinkage of Cured Thermosetting Casting Resins During Cure.
 - 18. ASTM D2240 Test Method for Rubber Property – Durometer Hardness
 - 19. ASTM D7234 Test Method for Pull-off Adhesion Strength of Coatings on concrete using Portable Pull-Off Adhesion Testers

1.2 DESCRIPTION OF WORK

- D. Sewer manhole rehabilitation will repair deteriorated manholes and remove infiltration leaking into the sewer system. The work includes one or more of the following items.
 - 1. Replacement of manhole frames and lids.
 - 2. Replacement of manhole lids with self sealing lids.
 - 3. Installation of internal or external chimney seals to provide a seal between the manhole frame and adjusting rings, bricks or cone section.
 - 4. Reconstruction of manhole chimney.
 - 5. Installation of internal manhole joint seal on precast concrete manholes with leaking joints.
 - 6. Replacement/installation of manhole steps.
 - 7. Plugging or bulkheading of inflow or overflow pipe.
 - 8. Structural rehabilitation of manhole bases and walls.
 - 9. Sealing of manhole walls, bases, and pipe connections.
- E. The manholes requiring rehabilitation work are listed in tabular form in the Manhole Improvement Schedule section of the plans. The schedule will identify and locate the manholes to be rehabilitated and the type of rehabilitation required for each manhole. The Contractor shall refer to both this section and any and all details or specifications on the plans prior to performing improvements.

1.3 QUALITY ASSURANCE

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

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and application and installation instructions for each proposed product.
- B. Measurements: Submit a sufficiently detailed list of measurements necessary for each rehabilitation product being used on the project.

PART 2 - PRODUCTS

2.1 GENERAL

- A. All equipment and materials shall be of a type that has been generally been in use for a period of five (5) years. Work performed with experimental equipment or material will not be permitted without prior written consent of the Owner.

2.2 MANHOLE FRAMES AND LIDS

- A. Manhole frames and lids shall comply with the type specified in the Schedule of Work and Detailed Drawings.
 - 1. Ferrous castings shall be of uniform quality free from blowholes, shrinkage or other defects.
 - 2. Metal shall conform to ASTM A 48, Class 35B for gray iron or ASTM A 536, Grade 65-45-12 for ductile iron.
 - 3. Castings shall be smooth and well cleaned by shotblasting.
 - 4. Castings shall be manufactured true to pattern.
- B. Round frames and lids shall have continuously machined bearing surfaces to prevent rocking and rattling.

CHIMNEY SEALS

- C. Internal rubber chimney seals shall be as manufactured by Cretex Specialty Products, or an approved equivalent.
 - 1. Seals shall be made of high quality rubber meeting applicable requirements of ASTM C 923.
 - 2. Straight "S" sleeve shall be used where both the frame and masonry wall are vertical.
 - 3. Tapered "T-1" sleeve shall be used where the frame is tapered and the masonry wall is straight.
 - 4. Tapered "T-3" sleeve shall be used where the frame is straight and the masonry surface has a 1:3 taper.
 - 5. Extensions shall be provided at specified manhole locations.
 - 6. Seals shall be double pleated with a minimum unexpanded vertical height of eight (8) inches.
 - 7. Minimum thickness shall be 3/16-inch.
 - 8. Minimum vertical expansion shall be two (2) inches.
 - 9. Top and bottom shall contain an integrally formed expansion/contraction band recess and multiple sealing fins.
 - 10. Any splices shall be hot vulcanized.
 - 11. Seals shall be able to withstand a 180 degree bend with no visible separation.
 - 12. Expansion bands shall be 16 gauge, minimum 1-3/4 inches wide, stainless steel meeting the requirements of ASTM C-923 Type 304.
 - a. Expansion mechanism shall have the capacity to develop and hold the pressure necessary to make a watertight seal.
 - b. Minimum adjustment range shall be not less than 2-1/2 inches of diameter (6.3 inches of circumference).
 - 13. All fasteners shall be stainless steel.
 - 14. Butyl caulk for the lower portion of the seal shall meet the seal manufacturer's recommendations.
- D. Internal spray-applied chimney seals shall be as manufactured by Raven Lining Systems, Centri Pipe, or an approved equivalent.
 - 1. Seals shall be composed of modified polyurethane that can be spray applied in a uniform manner and adhere to brick wall manholes.
 - a. Tensile Strength (ASTM D638): 1,500 psi

- b. Elongation (ASTM D638): 350% min

2.3 MANHOLE CHIMNEY RECONSTRUCTION

- A. Precast concrete collars shall conform to ASTM C 478, and shall have an inside diameter equal to the clear opening of the manhole frame.
- B. Mortar shall conform to specifications for mortar for Unit Masonry, ASTM Designation C 270 Type S, containing no masonry cement.
 - 1. Mortar shall be composed of one (1) part Portland cement, Type II, to two (2) parts sand by volume.

2.4 MANHOLE STEPS

- A. Manhole steps shall be Type PSI-PF as manufactured by M.A. Industries or an approved equivalent.
 - 1. Steps shall be formed by a 1/2-inch Grade 60 deformed steel rod encased in copolymer polypropylene plastic.
 - 2. Steps shall be rated for a minimum 800 lb vertical load and 400 lb pullout resistance

2.5 PLUGS/BULKHEAD

- A. Sewer plugs shall be Model SR as manufactured by Cherny Industries or an approved equivalent.
 - 1. The plug body shall be cast aluminum.
 - 2. Seating surface shall be made of high quality rubber.
- B. Sewer brick shall be made of clay or shale and shall conform to specifications for sewer brick, ASTM C 32.
- C. Mortar shall conform to the requirements of Manhole Chimney Reconstruction, Paragraph B.

2.6 MANHOLE WALL STRUCTURAL REHABILITATION AND SEALING

- A. Severe active leaks shall be stopped with a cementitious grout or Strong-Seal Grout 250, Strong-Seal Grout 1000, 3M Scotch-Seal Chemical Grout 5600 or an approved equivalent. The type of grout to be used shall be compatible with the manhole rehabilitation system and approved by the Engineer. Cementitious grout shall meet the following requirements:
 - 1. Compressive Strength (ASTM C-579B): 1 day, 50 psi; 28 day, 250 psi.
- B. Minor leaks shall be stopped with ThoRoc Plug, IPA Ipanex-R, Strong-Seal Strong Plug, Vandex Plug, or an approved equivalent, which shall meet the following requirements:
 - 1. Compressive Strength (ASTM C-579B): 1 hr., 600 psi; 24 hr., 1,000 psi.
 - 2. Bond (ASTM C-321): 1 hr., 30 psi; 24 hr., 80 psi.
- C. Patching mix shall be ThoRoc Patch, IPA Octocrete, Strong-Seal QSR, Vandex Uni Mortar 1Z, or an approved equivalent, which shall meet the following requirements:
 - 1. Compressive Strength (ASTM C-579B): 15 min., 200 psi; 6 hr., 1,400 psi.

2. Shrinkage (ASTM C-596): 0.1% @ 90% Relative Humidity.
3. Bond (ASTM C-321): 28 day, 150 psi.
4. Cement: Sulfate resistant.
5. Applied Density: 98 to 110 pcf.

- D. Void filling and internal injection using a polyurethane expansive foam shall be injected through existing manholes where noted to fill cracks, fractures, mortar gaps, etc and provide a reinforcement around the existing structure to stabilize in place. This can be performed utilize existing gaps within the structure or drilling pilot holes and injecting material through copper tubing.
1. All materials shall be in accordance with section 330130.63.
 2. Any excess material and exits out of cracks, fractures, mortar gaps, etc shall be cut back and smoothened as necessary for allowing a smooth and uniform application of the polymer structural lining.
- E. Structural lining shall be a 100% solid, VOC free, polymer system that provides corrosion resistance and restores the interior of the manhole, or an approved equivalent, which shall meet the following requirements:
1. Internal liner shall meet the following requirements at a minimum:
 - a. Adhesion: Concrete Failure (per ASTM D7234)
 - b. Flexural modulus: 450,000 psi (per ASTM D790)
 - c. Flexural strength: 8,000 psi (per ASTM D790)
 - d. Tensile strength: 4,000 psi (per ASTM D638)
 - e. Shore D Hardness: 85 (per ASTM D2240)
 2. Approved Manufacturers include OBIC 5000, Raven 405, or approved equivalent that meets the minimum structural criteria in this section

2.7 MANHOLE CHANNEL AND SHELF

- A. Concrete for channel and shelf construction shall be 2,500 PSI and made with limestone aggregate and Portland cement, Type II.

PART 3 - EXECUTION

3.1 MEASUREMENTS

- A. The Contractor shall make all field measurements necessary to supply and install properly sized products.
- B. Prior to construction, the Engineer shall meet with the Contractor at each existing manhole site to prepare a final list of rehabilitation item quantities and measurements.

3.2 MANHOLE FRAME AND LID REPLACEMENT

- A. Excavated material shall be removed and replaced as follows:
1. Excavation and restoration for replacement in pavement:
 - a. The removal of the manhole frame shall be accomplished by making a square saw cut in the pavement.

- b. Material in the exposed area shall be dug out to a depth to expose the entire frame and stockpiled.
 - c. Suitable materials (stockpiled) shall be tamped in place to form the subbase for the pavement. If additional material is needed, suitable material shall be added before the pavement is replaced.
 - d. The surfacing used to lid the exposed area (concrete or asphalt) shall conform to the existing pavement. It shall be placed to the same elevation and grade as the existing pavement. Seams shall be appropriately sealed.
 - e. Pavement replacement not satisfactorily done by the Contractor shall be reworked at no expense to the Owner.
- 2. Excavation and restoration for replacement in unpaved areas:
 - a. No unnecessary excavation of materials from around the manhole shall be done.
 - b. Materials suitable for reuse shall be stockpiled on plywood sheets or other suitable means which will prevent spillage of undesirable subgrade material onto the surrounding lawn area.
 - c. Backfill shall be replaced and compacted to prevent settlement and to restore the setting to a condition equal to or better than that found. Backfill shall not lid the manhole.
 - d. Restoration of all tree lawns and grassed areas disturbed during construction shall be performed by a Landscape Contractor approved by the Owner. Grass areas to be restored shall be seeded in accordance with Sodding, Seeding and Mulching.
 - e. Any private property which has to be removed for access to the manhole shall be replaced by the Contractor in the same or better condition than found. If this replacement is not to the satisfaction of the Owner or Engineer, it shall be redone at no cost to the property owner or Owner.
- B. Existing manhole frames and lids to be reused shall be carefully removed and cleaned. Existing manhole frames and lids which will not be reused shall be disposed of, as directed by the Owner.
- C. Replacement manhole frames and lids shall be equivalent to those being replaced unless otherwise specified.
- D. Installation of manhole frames and lids shall be in accordance with the following procedures:
 - 1. The Contractor shall raise the elevation of the existing manhole as directed by the Engineer. The manholes shall be raised by adding a sufficient number of precast collars and mortar rings to obtain the desired elevation.
 - 2. The Contractor shall then install the manhole frame and lid of the type specified.
 - 3. After installation of the frame and lid, a layer of elastic compound able to withstand sewer gases and approved by the Engineer shall be applied to the interior joint of the frame and the wall of the manhole. This material shall be applied all around the joint to a thickness of 1/4-inch. It shall extend 1-inch to either side of the joint, or a total width of 2 inches. The thickness and width of any substitute material shall be determined when said substitute material is approved by the Engineer.
 - 4. It shall be the responsibility of the Contractor, at no additional cost to the Owner, to replace any portion of the brick and mortar ring of the existing manhole which is

damaged when the existing frame and lid are removed or the new manhole frame and lid are installed.

3.3 INFLOW PROTECTOR

- A. Remove the existing manhole lid and carefully clean the frame of all dirt and debris.
- B. Place the inflow protector upon the rim making sure it is fully seated around the perimeter.
- C. Replace the lid making sure it does not disturb the seal created by the inflow protector.
- D. Testing shall be performed on ten percent (10%) of the inflow protectors as selected by the Owner's representative.
 - 1. Testing shall be performed as recommended by the inflow protector manufacturer and approved by the Owner's representative.
 - 2. Leakage rates shall not exceed twelve (12) gallons in twenty-four (24) hours.
 - 3. Inflow protectors failing the test shall be reinstalled and retested until they pass the specified leakage rate.
 - a. These locations shall not be counted toward the ten percent (10%) passing requirement.
 - b. Additional test sites will be selected until ten percent (10%) of the initial installations pass the test.

3.4 CHIMNEY SEALS

- A. Chimney seals shall be installed in strict accordance with all preparation, installation, butyl caulk seals, and other sealing requirements and guidelines per the manufacturer's instructions.
- B. Carefully clean the inside of the manhole frame of all dirt and debris.

3.5 MANHOLE CHIMNEY RECONSTRUCTION

- A. The existing manhole frame and lid shall be removed as per the requirements of Manhole Frame and Lid Replacement, Paragraphs 3.2.A and 3.2.B.
- B. Remove and dispose of the specified number of courses of brick and reset any loose brick below the specified level.
- C. Each new precast collars shall be set on a bed of mortar one-half (1/2) inch thick. The thickness of the bottom bed shall be adjusted to provide a level surface for the first collar. The collars shall be placed concentrically. The contractor shall strike a neat joint on each bed of mortar. The top bed of mortar shall be one (1) inch thick for the casting.
- D. The existing manhole frame and lid (or new if so specified) shall be installed as per the requirements of Manhole Frame and Lid Replacement, Paragraphs C and D.

- E. Restoration shall be performed as per the requirements of Manhole Frame and Lid Replacement, Paragraph A.

3.6 INTERNAL MANHOLE JOINT SEAL

- A. Carefully clean the inside of the manhole wall on both sides of the joint of all dirt and debris.
- B. Install seals in strict accordance with the manufacturer's instructions.

3.7 MANHOLE STEPS

- A. Remove existing steps and grind any protruding remnants of steps flush with the manhole wall.
- B. Drill necessary holes for the new steps.
- C. Install the new steps in accordance with the manufacturer's instructions.

3.8 PLUGS/BULKHEAD

- A. Sewer plugs shall be installed in strict accordance with manufacturer's instructions.
- B. Bulkheads shall be constructed of sewer brick laid longitudinally in line with the sewer centerline.
 - 1. Bricks shall be wetted before laying.
 - 2. Bricks shall be laid up, with one-half (1/2) inch mortar joints.
 - 3. Joints shall be neatly struck upon completion of the construction of the bulkhead.

3.9 MANHOLE WALL STRUCTURAL REHABILITATION and/or SEALING

- A. Prior to any other work inside a manhole, all interior wall and invert surfaces shall be cleaned and prepared.
 - 1. Place covers over all pipe openings to prevent extraneous material from entering the sewer system.
 - 2. Cleaning shall be accomplished by water blasting using a minimum 1,500 psi water pressure. Existing incompatible or poorly bonded coatings, curing compounds, toppings, waxes, oils and greases shall be removed in a manner compatible with the rehabilitation system to be used.
 - 3. When appropriate for the rehabilitation system, a ten percent (10%) muriatic acid solution may be applied by spraying from above the manhole.
 - a. After the acid solution is used, the surface shall be thoroughly washed and allowed to dry.
 - b. Mixing, application, removal, and safety precautions shall be done in strict accordance with the manufacturer's specifications and recommendations.

4. All material resulting from the cleaning and preparation operation shall be removed from the manhole being cleaned and disposed of by the Contractor in a manner approved by the Engineer.
- B. Visible leaks shall be sealed with the approved rapid setting product.
1. The surfaces shall be prepared in accordance with the manufacturers instructions prior to application of the sealing material.
 2. The sealing material shall be mixed and applied in strict accordance with the manufacturer's instructions.
 3. When necessary, 5/8-inch diameter temporary weep holes may be drilled in the wall to divert water from the flowing leak until it is sealed. After the leak has been sealed, the temporary weep holes shall be sealed in the same manner as flowing leaks.
- C. Patching, filling of voids, and smoothing out of the interior walls shall be performed with the approved products.
1. All cracked, loose, or disintegrating material shall be removed from the source to expose a sound substrate.
 2. The material shall be mixed and applied in strict accordance with the manufacturer's instructions.
- D. Manhole wall rehabilitation shall be applied with the approved products.
1. Contractor shall prepare the surfaces as necessary to assure the specified bonding strength.
 2. Product shall be applied when ambient temperatures are within the manufacturer's specified range.
 3. Rehabilitation material shall be mixed and applied in strict accordance with the manufacturer's instructions.
 4. Product shall be applied uniformly to the walls and manhole shelf to form a monolithic liner.
 - a. Work shall be performed by a manufacturer's licensed installer or under the direct supervision of an experienced manufacturer's representative approved by the Engineer.
 - b. Product shall be sprayed under sufficient pressure to achieve the specified density.
 - c. The thickness of the liner shall be measured in a manner acceptable to the Engineer.
 - d. Thickness of any layer shall not exceed the manufacturer's recommendations.
 5. Product shall be applied to the thickness specified in the Contract documents.
- E. Surface sealing shall be performed with the approved products.
1. The manhole surfaces shall be prepared in accordance with the manufacturer's directions.

2. Surface sealing material shall be applied in strict accordance with the material manufacturer's recommendations. Epoxy coatings shall be applied in a minimum of two layers with the second coat being applied after the first coat has dried.
3. The thickness of the applied material shall be in accordance with the Contract documents.

3.10 MANHOLE CHANNEL AND SHELF

- A. Provide and install a temporary flume to control the flow during the channel and shelf construction.
- B. Remove all loose material and clean the bottom of the manhole in accordance with Manhole Wall Structural Rehabilitation and/or Sealing, Paragraph A.
- C. The bottom of the manhole shall be channeled to conduct flow from all inlet pipes to the outlet pipe.
 1. Channels shall be the true shape of the lower half of the sewer pipe and shall have vertical sides from the spring line upward.
 2. Extend the channel from wall to wall of the manhole providing a long radius smooth curve where the flow changes direction.
 3. Match inverts of the connecting pipes at the manhole wall.
 4. The height of the shelf shall be the top of the outlet pipe or four (4) inches above any existing bottom masonry, whichever is higher.
- D. Slope the shelf from the top of the channel to the manhole wall at a 12:1 pitch.

3.11 MANHOLE REHABILITATION ACCEPTANCE

- A. After the manhole rehabilitation work has been completed, the manhole shall be visually inspected by the Contractor in the presence of the Engineer and the work shall be found satisfactory to the Engineer. In addition, at the Owner's request, the Contractor may be required within one year to visually inspect the manholes that were rehabilitated. Any work that has become defective shall be redone by the Contractor at no additional expense to the Owner.

END OF SECTION 330130.81

Superseded General Decision Number: OH20240001

State: Ohio

Construction Types: Heavy and Highway

Counties: Ohio Statewide.

Heavy and Highway Construction Projects

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number	Publication Date
0	01/03/2025
1	02/07/2025
2	02/14/2025

3	02/28/2025
4	03/07/2025
5	03/14/2025
6	04/25/2025
7	05/02/2025
8	05/09/2025
9	05/16/2025
10	05/30/2025
11	06/06/2025

BROH0001-001 06/01/2024

DEFIANCE, FULTON (Excluding Fulton, Amboy & Swan Creek Townships), HENRY (Excluding Monroe, Bartlow, Liberty, Washington, Richfield, Marion, Damascus & Townships & that part of Harrison Township outside corporate limits of city of Napoleon), PAULDING, PUTNAM and WILLIAMS COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0001-004 06/01/2023

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 32.40	19.30

BROH0003-002 06/01/2024

FULTON (Townships of Amboy, Swan Creek & Fulton), HENRY (Townships of Washington, Damascus, Richfield, Bartlow, Liberty, Harrison, Monroe, & Marion), LUCAS and WOOD (Townships of Perrysburg, Ross, Lake, Troy, Freedom, Montgomery, Webster, Center, Portage, Middleton, Plain, Liberty, Henry, Washington, Weston, Milton, Jackson & Grand Rapids) COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0005-003 06/01/2020

CUYAHOGA, LORAIN & MEDINA (Hinckley, Granger, Brunswick, Liverpool, Montville, York, Homer, Harrisville, Chatham, Litchfield & Spencer Townships and the city of Medina)

	Rates	Fringes
BRICKLAYER		
BRICKLAYERS; CAULKERS;		
CLEANERS; POINTERS; &		
STONEMASONS.....	\$ 36.64	17.13
SANDBLASTERS.....	\$ 36.39	17.13
SEWER BRICKLAYERS & STACK		
BUILDERS.....	\$ 36.64	17.13
SWING SCAFFOLDS.....	\$ 37.14	17.13

BROH0006-005 06/01/2024

CARROLL, COLUMBIANA (Knox, Butler, West & Hanover Townships), STARK & TUSCARAWAS

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0007-002 06/01/2024		

LAWRENCE

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0007-005 06/01/2023		

PORTAGE & SUMMIT

	Rates	Fringes
BRICKLAYER.....	\$ 32.40	19.30

BROH0007-010 06/01/2024		

PORTAGE & SUMMIT

	Rates	Fringes
MASON - STONE.....	\$ 33.39	20.06

BROH0008-001 06/01/2024		

COLUMBIANA (Salem, Perry, Fairfield, Center, Elk Run,
Middleton, & Unity Townships and the city of New Waterford),
MAHONING & TRUMBULL

	Rates	Fringes
BRICKLAYER.....	\$ 33.39	20.06

BROH0009-002 06/01/2024		

BELMONT & MONROE COUNTIES and the Townships of Warren & Mt.
Pleasant and the Village of Dillonvale in JEFFERSON COUNTY

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06
Refractory.....	\$ 31.45	19.01

BROH0010-002 06/01/2024		

COLUMBIANA (St. Clair, Madison, Wayne, Franklin, Washington,
Yellow Creek & Liverpool Townships) & JEFFERSON (Brush Creek &
Saline Townships)

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0014-002 06/01/2024		

HARRISON & JEFFERSON (Except Mt. Pleasant, Warren, Brush Creek,
Saline & Salineville Townships & the Village of Dillonvale)

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0016-002 06/01/2023		

ASHTABULA, GEAUGA, and LAKE COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 32.40	19.30

BROH0018-002 06/01/2024		

BROWN, BUTLER, CLERMONT, HAMILTON, PREBLE (Gasper, Dixon,
Israel, Lanier, Somers & Gratis Townships) & WARREN COUNTIES:

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0022-004 06/01/2024		

CHAMPAIGN, CLARK, CLINTON, DARKE, GREENE, HIGHLAND, LOGAN,
MIAMI, MONTGOMERY, PREBLE (Jackson, Monroe, Harrison, Twin,
Jefferson & Washington Townships) and SHELBY COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0032-001 06/01/2024		

GALLIA & MEIGS

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0035-002 06/01/2024		

ALLEN, AUGLAIZE, MERCER and VAN WERT COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0039-002 06/01/2024		

ADAMS & SCIOTO

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0040-003 06/01/2024		

ASHLAND, CRAWFORD, HARDIN, HOLMES, MARION, MORROW, RICHLAND,
WAYNE and WYANDOT (Except Crawford, Ridge, Richland & Tymochtee

Townships) COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

FOOTNOTE: Layout Man and Sawman rate: \$1.00 per hour above journeyman rate.
Free standing stack work ground level to top of stack;
Sandblasting and laying of carbon masonry material in swing stage and/or scaffold; Ramming and spading of plastics and gunniting: \$1.50 per hour above journeyman rate.
""Hot"" work: \$2.50 above journeyman rate.

BROH0044-002 06/01/2024

	Rates	Fringes
Bricklayer, Stonemason COSHOCTON, FAIRFIELD, GUERNSEY, HOCKING, KNOX, KICKING, MORGAN, MUSKINGUM, NOBLE (Beaver, Buffalo, Seneca & Wayne Townships) & PERRY COUNTIES:.....	\$ 33.39	20.06

BROH0045-002 06/01/2023

FAYETTE, JACKSON, PIKE, ROSS and VINTON COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 35.39	17.47

BROH0046-002 06/01/2024

ERIE, HANCOCK, HURON, OTTAWA, SANDUSKY, SENECA, WOOD (Perry & Bloom Townships) and WYANDOT (Tymochtee, Crawford, Ridge & Richland Townships) COUNTIES & the Islands of Lake Erie north of Sandusky

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

FOOTNOTE: Layout Man and Sawman rate: \$1.00 per hour above journeyman rate.
Free standing stack work ground level to top of stack;
Sandblasting and laying of carbon masonry material in swing stage and/or scaffold; Ramming and spading of plastics and gunniting: \$1.50 per hour above journeyman rate.
""Hot"" work: \$2.50 above journeyman rate.

BROH0052-001 06/01/2024

ATHENS COUNTY

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0052-003 06/01/2024

NOBLE (Brookfield, Noble, Center, Sharon, Olive, Enoch, Stock,
Jackson, Jefferson & Elk Townships) and WASHINGTON COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

BROH0055-003 06/01/2024

DELAWARE, FRANKLIN, MADISON, PICKAWAY and UNION COUNTIES

	Rates	Fringes
Bricklayer, Stonemason.....	\$ 33.39	20.06

CARP0002-024 05/01/2017

BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE,
GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY &
WARREN

	Rates	Fringes
Carpenter & Piledrivermen.....	\$ 29.34	15.95
Diver.....	\$ 40.58	9.69

CARP0171-001 05/01/2025

MAHONING & TRUMBULL

	Rates	Fringes
CARPENTER.....	\$ 33.19	25.02

CARP0171-002 05/01/2025

BELMONT, COLUMBIANA, HARRISON, JEFFERSON & MONROE

	Rates	Fringes
CARPENTER.....	\$ 32.50	26.19

CARP0200-002 05/01/2024

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

	Rates	Fringes
CARPENTER.....	\$ 33.15	22.43
Diver.....	\$ 39.41	10.40
PILEDRIVERMAN.....	\$ 33.15	22.43

CARP0285-001 05/01/2025

CARROLL, STARK, TUSCARAWAS and WAYNE

	Rates	Fringes
CARPENTER.....	\$ 34.07	24.28

CARP0285-002 05/01/2025		

COSHOCTON, HOLMES, KNOX & MORROW

	Rates	Fringes
CARPENTER.....	\$ 33.38	24.69

CARP0285-008 05/01/2025		

MEDINA, PORTAGE & SUMMIT

	Rates	Fringes
CARPENTER.....	\$ 37.18	25.07

CARP0351-005 05/01/2025		

LUCAS & WOOD

	Rates	Fringes
CARPENTER.....	\$ 35.44	27.56

CARP0351-006 05/01/2025		

	Rates	Fringes
CARPENTER DEFIANCE, FULTON, HANCOCK, HENRY, PAULDING & WILLIAMS COUNTIES.....	\$ 32.05	26.13

CARP0372-002 05/01/2025		

ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM & VAN WERT

	Rates	Fringes
CARPENTER.....	\$ 31.80	26.33

CARP0435-005 05/01/2025		

ASHTABULA, CUYAHOGA, GEAUGA & LAKE

	Rates	Fringes
CARPENTER.....	\$ 38.57	24.64

CARP0735-001 05/01/2025		

ASHLAND, HURON & RICHLAND

	Rates	Fringes
CARPENTER.....	\$ 34.67	23.57

CARP0735-002 05/01/2025		

LORAIN

	Rates	Fringes
CARPENTER.....	\$ 38.42	24.01

CARP0735-004 05/01/2025		

ERIE

	Rates	Fringes
CARPENTER.....	\$ 36.71	24.14

CARP0744-001 05/01/2025		

CRAWFORD, OTTAWA, SANDUSKY, SENECA & WYANDOT

	Rates	Fringes
CARPENTER.....	\$ 33.74	27.05

CARP1090-002 05/01/2025		

ALLEN, AUGLAIZE, HARDIN, MERCER, PUTNAM, VAN WERT & WYANDOT

	Rates	Fringes
Piledrivermen & Diver's Tender...	\$ 35.94	28.39

DIVERS - \$250.00 per day		

CARP1090-003 05/01/2025		

BELMONT, HARRISON, & MONROE

	Rates	Fringes
Diver, Wet.....	\$ 58.52	24.91
Piledrivermen; Diver, Dry.....	\$ 39.01	24.91

CARP1090-004 05/01/2025		

CARROLL, STARK, TUSCARAWAS & WAYNE

	Rates	Fringes
Diver, Wet.....	\$ 49.82	25.40
Piledrivermen; Diver, Dry.....	\$ 33.21	25.40

CARP1090-005 05/01/2025		

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

	Rates	Fringes
Diver, Wet.....	\$ 54.51	27.50
Piledrivermen; Diver, Dry.....	\$ 36.34	27.50

CARP1090-006 05/01/2025		

COSHOCTON, HOLMES, KNOX & MORROW

Rates	Fringes
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Diver, Wet.....	\$ 54.36	22.54
Piledrivermen; Diver, Dry.....	\$ 36.24	22.54

CARP1090-007 05/01/2025

MAHONING & TRUMBULL

	Rates	Fringes
Diver, Wet.....	\$ 50.85	24.82
Piledrivermen; Diver, Dry.....	\$ 33.90	24.82

CARP1090-008 05/01/2025

COLUMBIANA & JEFFERSON

	Rates	Fringes
PILEDRIVERMAN.....	\$ 39.01	24.91

CARP1090-009 05/01/2025

CRAWFORD, DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA,
PAULDING, SANDUSKY, SENECA, WILLIAMS & WOOD

	Rates	Fringes
Piledrivermen & Diver's Tender...	\$ 37.98	28.63

DIVERS - \$250.00 per day

ELEC0008-002 05/27/2024

DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING,
PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD

	Rates	Fringes
CABLE SPLICER.....	\$ 38.98	18.96
ELECTRICIAN.....	\$ 48.40	4.5%+23.06

ELEC0032-003 12/02/2024

ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY, VAN WERT &
WYANDOT (Crawford, Jackson, Marseilles, Mifflin, Ridgeland,
Ridge & Salem Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 39.17	23.45

ELEC0038-002 04/29/2024

CUYAHOGA, GEAUGA (Bainbridge, Chester & Russell Townships) &
LORAIN (Columbia Township)

	Rates	Fringes
ELECTRICIAN Excluding Sound &		

Communications Work.....\$ 45.23 23.88

FOOTNOTES;

- a. 6 Paid Holidays: New Year's Day; Memorial Day; July 4th; Labor Day; Thanksgiving Day; & Christmas Day
- b. 1 week's paid vacation for 1 year's service; 2 weeks' paid vacation for 2 or more years' service

ELEC0038-008 04/29/2024

CUYAHOGA, GEAUGA (Bainbridge, Chester & Russell Townships) & LORAIN (Columbia Township)

	Rates	Fringes
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Sound & Communication
Technician

Communications Technician...	\$ 32.30	14.38
Installer Technician.....	\$ 31.05	14.34

FOOTNOTES;

- a. 6 Paid Holidays: New Year's Day; Memorial Day; July 4th; Labor Day; Thanksgiving Day; & Christmas Day
- b. 1 week's paid vacation for 1 year's service; 2 weeks' paid vacation for 2 or more years' service

ELEC0064-003 11/25/2024

COLUMBIANA (Butler, Fairfield, Perry, Salem & Unity Townships)
MAHONING (Austintown, Beaver, Berlin, Boardman, Canfield, Ellsworth, Coitsville, Goshen, Green, Jackson, Poland, Springfield & Youngstown Townships), & TRUMBULL (Hubbard & Liberty Townships)

	Rates	Fringes
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ELECTRICIAN.....	\$ 39.80	21.03
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ELEC0071-005 01/06/2025

ASHTABULA, CUYAHOGA, GEAUGA, LAKE & LORAIN

	Rates	Fringes
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LINE CONSTRUCTION: Equipment
Operator

DOT/Traffic Signal & Highway Lighting Projects...	\$ 39.97	27%+8.00
Municipal Power/Transit Projects.....	\$ 49.46	27%+8.25

LINE CONSTRUCTION: Groundman

DOT/Traffic Signal & Highway Lighting Projects...	\$ 31.10	27%+8.00
Municipal Power/Transit Projects.....	\$ 38.47	27%+8.25

LINE CONSTRUCTION:

Linemen/Cable Splicer

DOT/Traffic Signal & Highway Lighting Projects...	\$ 43.89	27%+8.00
Municipal Power/Transit Projects.....	\$ 54.96	27%+8.25

ELEC0071-010 01/06/2025

Statewide

	Rates	Fringes
Line Construction		
Equipment Operator.....	\$ 40.44	4%+16.09
Groundman.....	\$ 29.07	4%+13.81
Lineman & Cable Splicers....	\$ 46.02	4%+17.20

ELEC0082-002 12/02/2024

CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN
(Wayne, Clear Creek & Franklin Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 38.00	22.49

* ELEC0082-006 11/25/2024

CLINTON, DARKE, GREENE, MIAMI, MONTGOMERY, PREBLE & WARREN
(Wayne, Clear Creek & Franklin Townships)

	Rates	Fringes
Sound & Communication Technician		
Cable Puller.....	\$ 13.85 **	5.30
Installer/Technician.....	\$ 27.70	15.71

ELEC0129-003 02/24/2025

LORAIN (Except Columbia Township) & MEDINA (Litchfield &
Liverpool Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 42.95	18.81

ELEC0129-004 02/24/2025

ERIE & HURON (Lyme, Ridgefield, Norwalk, Townsend, Wakeman,
Sherman, Peru, Bronson, Hartland, Clarksfield, Norwich,
Greenfield, Fairfield, Fitchville & New London Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 42.95	18.81

ELEC0141-003 06/02/2024

BELMONT COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 42.94	27.74
ELECTRICIAN.....	\$ 39.04	27.62

ELEC0212-003 11/26/2018

BROWN, CLERMONT & HAMILTON

	Rates	Fringes
Sound & Communication Technician.....	\$ 24.35	10.99

ELEC0212-005 06/03/2024

BROWN, CLERMONT, and HAMILTON COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 35.43	22.05

ELEC0245-001 08/26/2024

ALLEN, HARDIN, VAN WERT & WYANDOT (Crawford, Jackson, Marseilles, Mifflin, Richland, Ridge & Salem Townships)

	Rates	Fringes
Line Construction		
Equipment Operator.....	\$ 32.95	28%+7.85
Groundman Truck Driver.....	\$ 20.59	28%+7.85
Lineman.....	\$ 47.07	28%+7.85

FOOTNOTE: a. Half day's Paid Holiday: The last 4 hours of the workday prior to Christmas or New Year's Day

ELEC0245-003 01/01/2025

DEFIANCE, FULTON, HANCOCK, HENRY, HURON, LUCAS, OTTAWA, PAULDING, PUTNAM, SANDUSKY, SENECA, WILLIAMS, and WOOD COUNTIES

	Rates	Fringes
Line Construction		
Cable Splicer.....	\$ 53.90	8.10+28%
Groundman/Truck Driver.....	\$ 20.51	8.10+28%
Heli-arc Welding.....	\$ 47.17	8.10+28%
Lineman.....	\$ 46.87	8.10+28%
Operator - Class 1.....	\$ 37.50	8.10+28%
Operator - Class 2.....	\$ 32.81	8.10+28%
Traffic Signal & Lighting Technician.....	\$ 42.18	8.10+28%

FOOTNOTE: a. 6 Observed Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; & Christmas Day. Employees who work on a holiday shall be paid at a rate of double their applicable classified straight-time rates for the work performed on such holiday.

ELEC0245-004 01/01/2025

ERIE COUNTY

	Rates	Fringes
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Line Construction

Cable Splicer.....	\$ 49.14	26.75%+6.75
Cablesplicer.....	\$ 53.90	28%+8.10
Groundman/Truck Driver.....	\$ 20.51	28%+8.10
Lineman.....	\$ 46.87	28%+8.10
Operator - Class 1.....	\$ 37.50	28%+8.10
Operator - Class 2.....	\$ 32.81	28%+8.10

FOOTNOTE: a. 6 Observed Holidays: New Year's Day; Memorial Day; Independence Day; Labor Day; Thanksgiving Day; & Christmas Day. Employees who work on a holiday shall be paid at a rate of double their applicable classified straight-time rates for the work performed on such holiday.

ELEC0246-001 10/28/2024

	Rates	Fringes
ELECTRICIAN.....	\$ 44.00	30.38%+24.31

FOOTNOTE: a. 1 1/2 Paid Holidays: The last scheduled workday prior to Christmas & 4 hours on Good Friday.

ELEC0306-005 05/27/2024

MEDINA (Brunswick, Chatham, Granger, Guilford, Harrisville, Hinckley, Homer, Lafayette, Medina, Montville, Sharon, Spencer, Wadsworth, Westfield & York Townships), PORTAGE (Atwater, Aurora, Brimfield, Deerfield, Franklin, Mantua, Randolph, Ravenna, Rootstown, Shalersville, Streetsboro & Suffield Townships), SUMMIT & WAYNE (Baughman, Canaan, Chester, Chippewa, Congress, Green, Milton, & Wayne Townships)

	Rates	Fringes
CABLE SPLICER.....	\$ 46.81	20.95
ELECTRICIAN.....	\$ 42.55	20.95

ELEC0317-002 05/29/2023

GALLIA & LAWRENCE

	Rates	Fringes
CABLE SPLICER.....	\$ 32.68	18.13
ELECTRICIAN.....	\$ 37.15	28.48

* ELEC0540-005 12/30/2024

CARROLL (Northern half, including Fox, Harrison, Rose & Washington Townships), COLUMBIANA (Knox Township), HOLMES, MAHONING (Smith Township), STARK, TUSCARAWAS (North of Auburn, Clay, Rush & York Townships), and WAYNE (South of Baughman, Chester, Green & Wayne Townships) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 38.87	28.87

ELEC0573-003 11/25/2024

ASHTABULA (Colebrook, Wayne, Williamsfield, Orwell & Windsor Townships), GEAUGA (Auburn, Middlefield, Parkman & Troy Townships), MAHONING (Milton Township), PORTAGE (Charlestown, Edinburg, Freedom, Hiram, Nelson, Palmyra, Paris & Windham Townships), and TRUMBULL (Except Liberty & Hubbard Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 42.20	23.20

ELEC0575-001 05/29/2023		

ADAMS, FAYETTE, HIGHLAND, HOCKING, JACKSON (Bloomfield, Franklin, Hamilton, Jefferson, Lick, Madison, Scioto, Coal, Jackson, Liberty, Milton & Washington Townships), PICKAWAY (Deer Creek, Perry, Pickaway, Salt Creek & Wayne Townships), PIKE (Beaver, Benton, Jackson, Mifflin, Pebble, PeePee, Perry, Seal, Camp Creek, Newton, Scioto, Sunfish, Union & Marion Townships), ROSS, SCIOTO & VINTON (Clinton, Eagle, Elk, Harrison, Jackson, Richland & Swan Townships)

	Rates	Fringes
ELECTRICIAN.....	\$ 37.00	22.26

ELEC0648-001 08/26/2024		

BUTLER and WARREN COUNTIES (Deerfield, Hamilton, Harlan, Massie, Salem, Turtle Creek, Union & Washington Townships)

	Rates	Fringes
CABLE SPLICER.....	\$ 30.50	18.23
ELECTRICIAN.....	\$ 36.00	23.06

ELEC0673-004 12/30/2024		

ASHTABULA (Excluding Orwell, Colebrook, Williamsfield, Wayne & Windsor Townships), GEAUGA (Burton, Chardon, Claridon, Hambden, Huntsburg, Montville, Munson, Newbury & Thompson Townships) and LAKE COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 33.81	21.47
ELECTRICIAN.....	\$ 39.47	24.02

ELEC0683-002 05/27/2024		

CHAMPAIGN, CLARK, DELAWARE, FAIRFIELD, FRANKLIN, MADISON, PICKAWAY (Circleville, Darby, Harrison, Jackson, Madison, Monroe, Muhlenberg, Scioto, Walnut & Washington Townships), and UNION COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 41.50	24.19
ELECTRICIAN.....	\$ 40.50	25.20

ELEC0688-003 05/30/2022		

ASHLAND, CRAWFORD, HURON (Richmond, New Haven, Ripley & Greenwich Townships), KNOX (Liberty, Clinton, Union, Howard, Monroe, Middleberry, Morris, Wayne, Berlin, Pike, Brown & Jefferson Townships), MARION, MORROW, RICHLAND and WYANDOT (Sycamore, Crane, Eden, Pitt, Antrim & Tymochtee Townships) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 32.30	21.83

ELEC0972-002 06/01/2023		

ATHENS, MEIGS, MONROE, MORGAN, NOBLE, VINTON (Brown, Knox, Madison, Vinton & Wilkesville Townships), and WASHINGTON COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 35.70	30.26
ELECTRICIAN.....	\$ 35.45	30.25

ELEC1105-001 05/27/2024		

COSHOCTON, GUERNSEY, KNOX (Jackson, Clay, Morgan, Miller, Milford, Hilliar, Butler, Harrison, Pleasant & College Townships), LICKING, MUSKINGUM, PERRY, and TUSCARAWAS (Auburn, York, Clay, Jefferson, Rush, Oxford, Washington, Salem, Perry & Bucks Townships) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 39.60	24.41

ENGI0018-003 05/01/2024		

ASHTABULA, CUYAHOGA, ERIE, GEAUGA, LAKE, LORAIN, MEDINA, PORTAGE, and SUMMIT COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 45.63	16.41
GROUP 2.....	\$ 45.53	16.41
GROUP 3.....	\$ 44.49	16.41
GROUP 4.....	\$ 43.27	16.41
GROUP 5.....	\$ 37.98	16.41
GROUP 6.....	\$ 46.63	16.41
GROUP 7.....	\$ 46.63	16.41

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - Air Compressor on Steel Erection; Barrier Moving Machine; Boiler Operator on Compressor or Generator when mounted on a Rig; Cableway; Combination Concrete Mixer & Tower; Concrete Plant (over 4 yd. Capacity); Concrete Pump; Crane (All Types, Including Boom Truck, Cherry Picker); Crane-Compact, Track or Rubber over 4,000 lbs. capacity; Cranes-Self Erecting, Stationary, Track or Truck (All Configurations); Derrick; Dragline; Dredge (Dipper, Clam or

Suction); Elevating Grader or Euclid Loader; Floating Equipment (All Types); Gradall; Helicopter Crew (Operator-Hoist or Winch); Hoe (all types); Hoisting Engine on Shaft or Tunnel Work; Hydraulic Gantry (Lifting System); Industrial-Type Tractor; Jet Engine Dryer (D8 or D9) Diesel Tractor; Locomotive (Standard Gauge); Maintenance Operator Class A; Mixer, Paving (Single or Double Drum); Mucking Machine; Multiple Scraper; Piledriving Machine (All Types); Power Shovel; Prentice Loader; Quad 9 (Double Pusher); Rail Tamper (with auto lifting & aligning device); Refrigerating Machine (Freezer Operation); Rotary Drill, on Caisson work; Rough Terrain Fork Lift with Winch/Hoist; Side-Boom; Slip-Form Paver; Tower Derrick; Tree Shredder; Trench Machine (Over 24" wide); Truck Mounted Concrete Pump; Tug Boat; Tunnel Machine and/or Mining Machine; Wheel Excavator; and Asphalt Plant Engineer (Cleveland District Only).

GROUP 2 - Asphalt Paver; Automatic Subgrader Machine, Self-Propelled (CMI Type); Bobcat Type and/or Skid Steer Loader with Hoe Attachment Greater than 7,000 lbs.; Boring Machine More than 48"; Bulldozer; Endloader; Horizontal Directional Drill (Over 50,000 ft lbs thrust); Hydro Milling Machine; Kolman-type Loader (production type-Dirt); Lead Greaseman; Lighting & Traffic Signal Installation Equipment (includes all groups or classifications); Material Transfer Equipment (Shuttle Buggy) Asphalt; Pettibone-Rail Equipment; Power Grader; Power Scraper; Push Cat; Rotomill (all), Grinders & Planers of All types; Trench Machine (24" wide & under); Vermeer type Concrete Saw; and Maintenance Operators (Portage and Summit Counties Only).

GROUP 3 - A-Frame; Air Compressor on Tunnel Work (low pressure); Asphalt Plant Engineer (Portage and Summit Counties Only); Bobcat-type and/or Skid Steer Loader with or without Attachments; Highway Drills (all types); Locomotive (narrow gauge); Material Hoist/Elevator; Mixer, Concrete (more than one bag capacity); Mixer, one bag capacity (Side Loader); Power Boiler (Over 15 lbs. Pressure) Pump Operator installing & operating Well Points; Pump (4" & over discharge); Roller, Asphalt; Rotovator (lime soil stabilizer); Switch & Tie Tampers (without lifting & aligning device); Utility Operator (Small equipment); Welding Machines; and Railroad Tie Insert/Remover; Articulating/straight bed end dumps if assigned (minus \$4.00 per hour).

GROUP 4 - Backfiller; Ballast Re-locator; Bars, Joint & Mesh Installing Machine; Batch Plant; Boring Machine Operator (48" or less); Bull Floats; Burlap & Curing Machine; Concrete Plant (capacity 4 yd. & under); Concrete Saw (Multiple); Conveyor (Highway); Crusher; Deckhand; Farm-type Tractor with attachments (highway); Finishing Machine; Fireperson, Floating Equipment (all types); Forklift; Form Trencher; Hydro Hammer expect masonry; Hydro Seeder; Pavement Breaker; Plant Mixer; Post Driver; Post Hole Digger (Power Auger); Power Brush Burner; Power Form Handling Equipment; Road Widening Trencher; Roller (Brick, Grade & Macadam); Self-Propelled Power Spreader; Self-Propelled Power Subgrader; Steam Fireperson; Tractor (Pulling Sheepfoot, Roller or Grader); and Vibratory Compactor with Integral Power.

GROUP 5 - Compressor (Portable, Sewer, Heavy & Highway); Drum

Fireperson (Asphalt Plant); Generator; Masonry Fork Lift; Inboard-Outboard Motor Boat Launch; Oil Heater (asphalt plant); Oiler/Helper; Power Driven Heater; Power Sweeper & Scrubber; Pump (under 4" discharge); Signaller; Tire Repairperson; VAC/ALLS; Cranes - Compact, track or rubber under 4,000 pound capacity; fueling and greasing; and Chainmen.

GROUP 6 - Master Mechanic & Boom from 150 to 180.

GROUP 7 - Boom from 180 and over.

 ENGI0018-004 05/01/2024

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

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 44.14	16.41
GROUP 2.....	\$ 44.02	16.41
GROUP 3.....	\$ 42.98	16.41
GROUP 4.....	\$ 41.80	16.41
GROUP 5.....	\$ 36.34	16.41
GROUP 6.....	\$ 45.14	16.41
GROUP 7.....	\$ 45.14	16.41

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - Air Compressor on Steel Erection; Barrier Moving Machine; Boiler Operator on Compressor or Generator when mounted on a Rig; Cableway; Combination Concrete Mixer & Tower; Concrete Plant (over 4 yd. Capacity); Concrete Pump; Crane (All Types, Including Boom Truck, Cherry Picker); Crane-Compact, Track or Rubber over 4,000 lbs. capacity; Cranes-Self Erecting, Stationary, Track or Truck (All Configurations); Derrick; Dragline; Dredge (Dipper, Clam or Suction); Elevating Grader or Euclid Loader; Floating Equipment (All Types); Gradall; Helicopter Crew (Operator-Hoist or Winch); Hoe (all types); Hoisting Engine on Shaft or Tunnel Work; Hydraulic Gantry (Lifting System); Industrial-Type Tractor; Jet Engine Dryer (D8 or D9) Diesel Tractor; Locomotive (Standard Gauge); Maintenance Operator Class A; Mixer, Paving (Single or Double Drum); Mucking Machine; Multiple Scraper; Piledriving Machine (All Types); Power Shovel; Prentice Loader; Quad 9 (Double Pusher); Rail Tamper (with auto lifting & aligning device); Refrigerating Machine (Freezer Operation); Rotary Drill, on Caisson work; Rough Terrain Fork Lift with Winch/Hoist; Side-Boom; Slip-Form Paver; Tower Derrick; Tree Shredder; Trench Machine (Over 24" wide); Truck Mounted Concrete Pump; Tug Boat; Tunnel

Machine and/or Mining Machine; and Wheel Excavator.

GROUP 2 - Asphalt Paver; Automatic Subgrader Machine, Self-Propelled (CMI Type); Bobcat Type and/or Skid Steer Loader with Hoe Attachment Greater than 7,000 lbs.; Boring Machine More than 48"; Bulldozer; Endloader; Hydro Milling Machine; Horizontal Directional Drill (over 50,000 ft. lbs. thrust); Kolman-type Loader (production type-Dirt); Lead Greaseman; Lighting & Traffic Signal Installation Equipment (includes all groups or classifications); Material Transfer Equipment (Shuttle Buggy) Asphalt; Pettibone-Rail Equipment; Power Grader; Power Scraper; Push Cat; Rotomill (all), Grinders & Planers of All types; Trench Machine (24" wide & under); and Vermeer type Concrete Saw.

GROUP 3 - A-Frame; Air Compressor on Tunnel Work (low pressure); Asphalt Plant Engineer; Bobcat-type and/or Skid Steer Loader with or without Attachments; Highway Drills (all types); Locomotive (narrow gauge); Material Hoist/Elevator; Mixer, Concrete (more than one bag capacity); Mixer, one bag capacity (Side Loader); Power Boiler (Over 15 lbs. Pressure) Pump Operator installing & operating Well Points; Pump (4" & over discharge); Railroad Tie Inserter/Remover; Roller, Asphalt; Rotovator (lime soil stabilizer); Switch & Tie Tampers (without lifting & aligning device); Utility Operator (Small equipment); and Welding Machines; Articulating/straight bed end dumps if assigned (minus \$4.00 per hour).

GROUP 4 - Backfiller; Ballast Re-locator; Bars, Joint & Mesh Installing Machine; Batch Plant; Boring Machine Operator (48" or less); Bull Floats; Burlap & Curing Machine; Concrete Plant (capacity 4 yd. & under); Concrete Saw (Multiple); Conveyor (Highway); Crusher; Deckhand; Farm-type Tractor with attachments (highway); Finishing Machine; Fireperson, Floating Equipment (all types); Fork Lift; Form Trencher; Hydro Hammer except masonry; Hydro Seeder; Pavement Breaker; Plant Mixer; Post Driver; Post Hole Digger (Power Auger); Power Brush Burner; Power Form Handling Equipment; Road Widening Trencher; Roller (Brick, Grade & Macadam); Self-Propelled Power Spreader; Self-Propelled Power Subgrader; Steam Fireperson; Tractor (Pulling Sheepfoot, Roller or Grader); and Vibratory Compactor with Integral Power.

GROUP 5 - Compressor (Portable, Sewer, Heavy & Highway); Drum Fireperson (Asphalt Plant); Generator; Masonary Forklift; Inboard-Outboard Motor Boat Launch; Oil Heater (asphalt plant); Oiler/Helper; Power Driven Heater; Power Sweeper & Scrubber; Pump (under 4" discharge); Signalperson; Tire Repairperson; VAC/ALLS; Cranes - Compact, track or rubber under 4,000 pound capacity; fueling and greasing; and Chainmen.

GROUP 6 - Master Mechanic & Boom from 150 to 180.

GROUP 7 - Boom from 180 and over.

ENGI0066-023 06/01/2023

COLUMBIANA, MAHONING & TRUMBULL COUNTIES

Rates

Fringes

POWER EQUIPMENT OPERATOR

ASBESTOS; HAZARDOUS/TOXIC

WASTE PROJECTS

GROUP 1 - A & B.....\$ 44.63 24.30

ASBESTOS; HAZARDOUS/TOXIC

WASTE PROJECTS

GROUP 2 - A & B.....\$ 44.30 24.30

ASBESTOS; HAZARDOUS/TOXIC

WASTE PROJECTS

GROUP 3 - A & B.....\$ 38.47 24.30

ASBESTOS; HAZARDOUS/TOXIC

WASTE PROJECTS

GROUP 4 - A & B.....\$ 34.52 24.30

ASBESTOS; HAZARDOUS/TOXIC

WASTE PROJECTS

GROUP 5 - A & B.....\$ 31.13 24.30

HAZARDOUS/TOXIC WASTE

PROJECTS

GROUP 1 - C & D.....\$ 40.91 24.30

HAZARDOUS/TOXIC WASTE

PROJECTS

GROUP 2 - C & D.....\$ 40.61 24.30

HAZARDOUS/TOXIC WASTE

PROJECTS

GROUP 3 - C & D.....\$ 35.27 24.30

HAZARDOUS/TOXIC WASTE

PROJECTS

GROUP 4 - C & D.....\$ 31.65 24.30

HAZARDOUS/TOXIC WASTE

PROJECTS

GROUP 5 - C & D.....\$ 28.53 24.30

ALL OTHER WORK

GROUP 1.....\$ 37.19 24.30

ALL OTHER WORK

GROUP 2.....\$ 36.92 24.30

ALL OTHER WORK

GROUP 3.....\$ 32.06 24.30

ALL OTHER WORK

GROUP 4.....\$ 28.77 24.30

ALL OTHER WORK

GROUP 5.....\$ 25.94 24.30

GROUP 1 - Rig, Pile Driver or Caisson Type; & Rig, Pile Hydraulic Unit Attached

GROUP 2 - Asphalt Heater Planer; Backfiller with Drag Attachment; Backhoe; Backhoe with Shear attached; Backhoe-Rear Pivotal Swing; Batch Plant-Central Mix Concrete; Batch Plant, Portable concrete; Berm Builder-Automatic; Boat Derrick; Boat-Tug; Boring Machine Attached to Tractor; Bullclam; Bulldozer; C.M.I. Road Builder & Similar Type; Cable Placer & Layer; Carrier-Straddle; Carryall-Scraper or Scoop; Chicago Boom; Compactor with Blade Attached; Concrete Saw (Vermeer or similar type); Concrete Spreader Finisher; Combination, Bidwell Machine; Crane; Crane-Electric Overhead; Crane-Rough Terrain; Crane-Side Boom; Crane-Truck; Crane-Tower; Derrick-Boom; Derrick-Car; Digger-Wheel (Not trencher or road widener); Double Nine; Drag Line; Dredge; Drill-Kenny or Similar Type; Easy Pour Median Barrier Machine (or similar type); Electromatic; Frankie Pile; Gradall; Grader; Gurry; Self-Propelled; Heavy Equipment Robotics Operator/Mechanic; Hoist-Monorail; Hoist-Stationary & Mobile Tractor; Hoist, 2 or 3 drum; Horizontal Directional Drill Operator; Jackall; Jumbo

Machine; Kocal & Kuhlman; Land-Seagoing Vehicle; Loader, Elevating; Loader, Front End; Loader, Skid Steer; Locomotive; Mechanic/Welder; Metro Chip Harvester with Boom; Mucking Machine; Paver-Asphalt Finishing Machine; Paver-Road Concrete; Paver-Slip Form (C.M.I. or similar); Place Crete Machine with Boom; Post Driver (Carrier mounted); Power Driven Hydraulic Pump & Jack (When used in Slip Form or Lift Slab Construction); Pump Crete Machine; Regulator-Ballast; Hydraulic Power Unit not attached to Rig for Pile Drillings; Rigs-Drilling; Roto Mill or similar Full Lane (8' Wide & Over); Roto Mill or similar type (Under 8'); Shovel; Slip Form Curb Machine; Speedwing; Spikemaster; Stonecrusher; Tie Puller & Loader; Tie Tamper; Tractor-Double Boom; Tractor with Attachments; Truck-Boom; Truck-Tire; Trench Machine; Tunnel Machine (Mark 21 Java or similar); & Whirley (or similar type)

GROUP 3 - Asphalt Plant; Bending Machine (Pipeline or similar type); Boring machine, Motor Driven; Chip Harvester without Boom; Cleaning Machine, Pipeline Type; Coating Machine, Pipeline Type; Compactor; Concrete Belt Placer; Concrete Finisher; Concrete Planer or Asphalt; Concrete Spreader; Elevator; Fork Lift (Home building only); Fork lift & Lulls; Fork Lift Walk Behind (Hoisting over 1 buck high); Form Line Machine; Grease Truck operator; Grout Pump; Gunnite Machine; Horizontal Directional Drill Locator; Single Drum Hoist with or without Tower; Huck Bolting Machine; Hydraulic Scaffold (Hoisting building materials); Paving Breaker (Self-propelled or Ridden); Pipe Dream; Pot Fireperson (Power Agitated); Refrigeration Plant; Road Widener; Roller; Sasgen Derrick; Seeding Machine; Soil Stabilizer (Pump type); Spray Cure Machine, Self-Propelled; Straw Blower Machine; Sub-Grader; Tube Finisher or Broom C.M.I. or similar type; & Tugger Hoist

GROUP 4 - Air Curtain Destructor & Similar Type; Batch Plant-Job Related; Boiler Operator; Compressor; Conveyor; Curb Builder, self-propelled; Drill Wagon; Generator Set; Generator-Steam; Heater-Portable Power; Hydraulic Manipulator Crane; Jack-Hydraulic Power driven; Jack-Hydraulic (Railroad); Ladavator; Minor Machine Operator; Mixer-Concrete; Mulching Machine; Pin Puller; Power Broom; Pulverizer; Pump; Road Finishing Machine (Pull Type); Saw-Concrete-Self-Propelled (Highway Work); Signal Person; Spray Cure Machine-Motor Powered; Stump Cutter; Tractor; Trencher Form; Water Blaster; Steam Jenny; Syphon; Vibrator-Gasoline; & Welding Machine

GROUP 5 - Brakeperson; Fireperson; & Oiler

IRON0017-002 05/01/2024

ASHTABULA (North of Route 6, starting at the Geauga County Line, proceeding east to State Route 45), CUYAHOGA, ERIE (Eastern 2/3), GEAUGA, HURON (East of a line drawn from the north border through Monroeville & Willard), LAKE, LORAIN, MEDINA (North of Old Rte. #224), PORTAGE (West of a line from Middlefield to Shalersville to Deerfield), and SUMMIT (North of Old Rte. #224, including city limits of Barberton) COUNTIES

Rates Fringes

IRONWORKER

Ornamental, Reinforcing, & Structural.....	\$ 36.83	29.01
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IRON0017-010 05/01/2024

ASHTABULA (Eastern part from Lake Erie on the north to route #322 on the south to include Conneaut, Kingsville, Sheffield, Denmark, Dorset, Cherry Valley, Wayne, Monroe, Pierpont, Richmond, Andover & Williamsfield Townships)

Rates	Fringes
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IRONWORKER

Structural, including metal building erection & Reinforcing.....	\$ 36.83	29.01
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IRON0044-001 06/01/2024

ADAMS (Western Part), BROWN, BUTLER (Southern Part), CLERMONT, CLINTON (South of a line drawn from Blanchester to Lynchburg), HAMILTON, HIGHLAND (Excluding eastern one-fifth & portion of county inside lines drawn from Marshall to Lynchburg from the northern county line through E. Monroe to Marshall) and WARREN (South of a line drawn from Blanchester through Morrow to the west county line) COUNTIES

Rates	Fringes
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IRONWORKER, REINFORCING.....	\$ 35.87	23.60
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IRON0044-002 06/01/2024

CLINTON (South of a line drawn from Blanchester to Lynchburg), HAMILTON, HIGHLAND (Excluding eastern one-fifth & portion of county inside lines drawn from Marshall to Lynchburg from the northern county line through E. Monroe to Marshall) & WARREN (South of a line drawn from Blanchester through Morrow to the west county line)

Rates	Fringes
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IRONWORKER

Fence Erector.....	\$ 33.60	23.60
Ornamental; Structural.....	\$ 35.37	23.60

IRON0055-003 07/01/2024

CRAWFORD (Area Between lines drawn from where Hwy #598 & #30 meet through N. Liberty to the northern border & from said Hwy junction point due west to the border), DEFIANCE (S. of a line drawn from where Rte. #66 meets the northern line through Independence to the eastern county border), ERIE (Western 1/3), FULTON, HANCOCK, HARDIN (North of a line drawn from Maysville to a point 4 miles south of the northern line on the eastern line), HENRY, HURON (West of a line drawn from the northern border through Monroeville & Willard), LUCAS, OTTAWA, PUTNAM (East of a line drawn from the northern border down through Miller City to where #696 meets the southern border), SANDUSKY, SENECA, WILLIAMS (East of a line drawn from Pioneer through Stryker to the southern border), WOOD & WYANDOT (North of Rte. #30)

	Rates	Fringes
IRONWORKER		
Fence Erector.....	\$ 26.40	24.62
Flat Road Mesh.....	\$ 29.77	21.30
Tunnels & Caissons Under Pressure.....	\$ 29.77	21.30
All Other Work.....	\$ 35.50	29.20

IRON0147-002 06/01/2024

ALLEN (Northern half), DEFIANCE (Northern part, excluding south of a line drawn from where Rte. #66 meets the northern line through Independence to the eastern county border), MERCER (Northern half), PAULDING, PUTNAM (Western part, excluding east of a line drawn from the northern border down through Miller City to where #696 meets the southern border), VAN WERT, and WILLIAMS (Western part, excluding east of a line drawn from Pioneer through Stryker to the southern border) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 34.20	26.39

IRON0172-002 06/01/2024

CHAMPAIGN (Eastern one-third), CLARK (Eastern one-fourth), COSHOCTON (West of a line beginning at the northwestern county line going through Walhonding & Tunnel Hill to the southern county line), CRAWFORD (South of Rte. #30), DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, HARDIN (Excluding a line drawn from Roundhead to Maysville), HIGHLAND (Eastern one-fifth), HOCKING, JACKSON (Northern half), KNOX, LICKING, LOGAN (Eastern one-third), MADISON, MARION, MORROW, MUSKINGUM (West of a line starting at Adams Mill going to Adamsville & going from Adamsville through Blue Rock to the southern border), PERRY, PICKAWAY, PIKE (Northern half), ROSS, UNION, VINTON and WYANDOT (South of Rte. #30) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 36.77	22.85

IRON0207-004 06/01/2024

ASHTABULA (Southern part starting at the Geauga County line), COLUMBIANA (E. of a line from Damascus to Highlandtown), MAHONING (N. of Old Route #224), PORTAGE (E. of a line from Middlefield to Shalersville to Deerfield) & TRUMBULL

	Rates	Fringes
IRONWORKER		
Layout; Sheeter.....	\$ 35.83	27.41
Ornamental; Reinforcing; Structural.....	\$ 34.83	27.41
Ornamental; Reinforcing.....	\$ 28.92	25.61

IRON0290-002 06/01/2024

ALLEN (Southern half), AUGLAIZE, BUTLER (North of a line drawn from east to the west county line going through Oxford, Darrtown & Woodsdale), CHAMPAIGN (Excluding east of a line drawn from Catawla to the point where #68 intersects the northern county line), CLARK (Western two-thirds), CLINTON (Excluding south of a line drawn from Blanchester to Lynchburg), DARKE, GREENE, HIGHLAND (Inside lines drawn from Marshall to Lynchburg & from the northern county line through East Monroe to Marshall), LOGAN (West of a line drawn from West Liberty to where the northern county line meets the western county line of Hardin), MERCER (Southern half), MIAMI, MONTGOMERY, PREBLE, SHELBY & WARREN (Excluding south of a line drawn from Blanchester through Morrow to the western county line) COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 35.39	24.35

IRON0549-003 12/01/2022		

BELMONT, GUERNSEY, HARRISON, JEFFERSON, MONROE & MUSKINGUM (Excluding portion west of a line starting at Adams Mill going to Adamsville and going from Adamsville through Blue Rock to the south border)

	Rates	Fringes
IRONWORKER.....	\$ 35.19	25.66

IRON0550-004 05/01/2024		

ASHLAND, CARROLL, COLUMBIANA (W. of a line from Damascus to Highlandtown), COSHOCTON (E. of a line beginning at NW Co. line going through Walhonding & Tunnel Hill to the South Co. line), HOLMES, HURON (S. of Old Rte. #224), MAHONING (S. of Old Rte. #224), MEDINA (S. of Old Rte. #224), PORTAGE (S. of Old Rte. #224), RICHLAND, STARK, SUMMIT (S. of Old Rte. #224, Excluding city limits of Barberton), TUSCARAWAS, & WAYNE

	Rates	Fringes
Ironworkers:Structural, Ornamental and Reinforcing.....	\$ 34.70	22.88

IRON0769-004 06/01/2024		

ADAMS (Eastern Half), GALLIA, JACKSON (Southern Half), LAWRENCE & SCIOTO

	Rates	Fringes
IRONWORKER.....	\$ 37.66	29.24

IRON0787-003 06/01/2024		

ATHENS, MEIGS, MORGAN, NOBLE, and WASHINGTON COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 33.00	24.25

	Rates	Fringes
LABORER		
ASHTABULA, ERIE, HURON, LORAIN, LUCAS, MAHONING, MEDINA, OTTAWA, PORTAGE, SANDUSKY, STARK, SUMMIT, TRUMBULL & WOOD COUNTIES		
GROUP 1.....	\$ 35.95	14.45
GROUP 2.....	\$ 36.12	14.45
GROUP 3.....	\$ 36.45	14.45
GROUP 4.....	\$ 36.90	14.45
CUYAHOGA AND GEAUGA COUNTIES ONLY: SEWAGE PLANTS, WASTE PLANTS, WATER TREATMENT FACILITIES, PUMPING STATIONS, & ETHANOL PLANTS CONSTRUCTION.....	\$ 38.56	14.45
CUYAHOGA, GEAUGA & LAKE COUNTIES		
GROUP 1.....	\$ 37.18	14.45
GROUP 2.....	\$ 37.35	14.45
GROUP 3.....	\$ 37.68	14.45
GROUP 4.....	\$ 38.13	14.45
REMAINING COUNTIES OF OHIO		
GROUP 1.....	\$ 35.52	14.45
GROUP 2.....	\$ 35.69	14.45
GROUP 3.....	\$ 36.02	14.45
GROUP 4.....	\$ 36.47	14.45

LABORER CLASSIFICATIONS

GROUP 1 - Asphalt Laborer; Carpenter Tender; Concrete Curing Applicator; Dump Man (Batch Truck); Guardrail and Fence Installer; Joint Setter; Laborer (Construction); Landscape Laborer; Mesh Handlers & Placer; Right-of-way Laborer; Riprap Laborer & Grouter; Scaffold Erector; Seal Coating; Surface Treatment or Road Mix Laborer; Sign Installer; Slurry Seal; Utility Man; Bridge Man; Handyman; Waterproofing Laborer; Flagperson; Hazardous Waste (level D); Diver Tender; Zone Person & Traffic Control

GROUP 2 - Asphalt Raker; Concrete Puddler; Kettle Man (Pipeline); Machine Driven Tools (Gas, Electric, Air); Mason Tender; Brick Paver; Mortar Mixer; Power Buggy or Power Wheelbarrow; Paint Striper; Sheeting & Shoring Man; Surface Grinder Man; Plastic Fusing Machine Operator; Pug Mill Operator; & Vacuum Devices (wet or dry); Rodding Machine Operator; Diver; Screwman or Paver; Screed Person; Water Blast, Hand Held Wand; Pumps 4" & Under (Gas, Air or Electric) & Hazardous Waste (level C); Air Track and Wagon Drill; Bottom Person; Cofferdam (below 25 ft. deep); Concrete Saw Person; Cutting with Burning Torch; Form Setter; Hand Spiker (Railroad); Pipelayer; Tunnel Laborer (without air) & Caisson; Underground Person (working in Sewer and Waterline, Cleaning, Repairing & Reconditioning); Sandblaster Nozzle Person; & Hazardous Waste (level B)

GROUP 3 - Blaster; Mucker; Powder Person; Top Lander; Wrencher (Mechanical Joints & Utility Pipeline); Yarnier; Hazardous Waste (level A); Concrete Specialist; Concrete

Crew in Tunnels (With Air-pressurized - \$1.00 premium);
Curb Setter & Cutter; Grade Checker; Utility Pipeline
Tapper; Waterline; and Caulker

GROUP 4 - Miner (With Air-pressurized - \$1.00 premium); &
Gunite Nozzle Person

TUNNEL LABORER WITH AIR-PRESSURIZED ADD \$1.00 TO BASE RATE

SIGNAL PERSON WILL RECEIVE THE RATE EQUAL TO THE RATE PAID
THE LABORER CLASSIFICATION FOR WHICH HE OR SHE IS SIGNALING.

PAIN0006-002 05/01/2023

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN, PORTAGE (N. of the
East-West Turnpike) & SUMMIT (N. of the East-West Turnpike)

	Rates	Fringes
PAINTER		
COMMERCIAL NEW WORK; REMODELING; & RENOVATIONS		
GROUP 1.....	\$ 30.75	18.95
GROUP 2.....	\$ 31.15	18.95
GROUP 3.....	\$ 31.45	18.95
GROUP 4.....	\$ 37.01	18.95
COMMERCIAL REPAINT		
GROUP 1.....	\$ 29.25	18.95
GROUP 2.....	\$ 29.65	18.95
GROUP 3.....	\$ 29.95	18.95

PAINTER CLASSIFICATIONS - COMMERCIAL NEW WORK; REMODELING; &
RENOVATIONS

GROUP 1 - Brush; & Roller

GROUP 2 - Sandblasting & Buffing

GROUP 3 - Spray Painting; Closed Steel Above 55 feet; Bridges
& Open Structural Steel; Tanks - Water Towers; Bridge
Painters; Bridge Riggers; Containment Builders

GROUP 4 - Bridge Blaster

PAINTER CLASSIFICATIONS - COMMERCIAL REPAINT

GROUP 1 - Brush; & Roller

GROUP 2 - Sandblasting & Buffing

GROUP 3 - Spray Painting

PAIN0007-002 07/01/2024

FULTON, HENRY, LUCAS, OTTAWA (Excluding Allen, Bay, Bono,
Catawba Island, Clay Center, Curtice, Danbury, Eagle Beach,
Elliston, Elmore, Erie, Fishback, Gem Beach & Genova) & WOOD

	Rates	Fringes
PAINTER		

NEW COMMERCIAL WORK

GROUP 1.....	\$ 31.84	20.79
GROUP 2.....	\$ 32.84	20.79
GROUP 3.....	\$ 32.84	20.79
GROUP 4.....	\$ 32.84	20.79
GROUP 5.....	\$ 32.84	20.79
GROUP 6.....	\$ 32.84	20.79
GROUP 7.....	\$ 32.84	20.79
GROUP 8.....	\$ 32.84	20.79
GROUP 9.....	\$ 32.84	20.79

REPAINT IS 90% OF JR

PAINTER CLASSIFICATIONS

GROUP 1 - Brush; Spray & Sandblasting Pot Tender

GROUP 2 - Refineries & Refinery Tanks; Surfaces 30 ft. or over where material is applied to or labor performed on above ground level (exterior), floor level (interior)

GROUP 3 - Swing Stage & Chair

GROUP 4 - Lead Abatement

GROUP 5 - All Methods of Spray

GROUP 6 - Solvent-Based Catalized Epoxy Materials of 2 or More Component Materials, to include Solvent-Based Conversion Varnish (excluding water based)

GROUP 7 - Spray Solvent Based Material; Sand & Abrasive Blasting

GROUP 8 - Towers; Tanks; Bridges; Stacks Over 30 Feet

GROUP 9 - Epoxy Spray (excluding water based)

PAIN0012-008 05/01/2019

BUTLER COUNTY

	Rates	Fringes
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PAINTER

GROUP 1.....	\$ 21.95	10.20
GROUP 2.....	\$ 25.30	10.20
GROUP 3.....	\$ 25.80	10.20
GROUP 4.....	\$ 26.05	10.20
GROUP 5.....	\$ 26.30	10.20

PAINTER CLASSIFICATIONS

GROUP 1: Bridge Equipment Tender; Bridge/Containment Builder

GROUP 2: Brush & Roller

GROUP 3: Spray

GROUP 4: Sandblasting; & Waterblasting

GROUP 5: Elevated Tanks; Steeplejack Work; Bridge; & Lead Abatement

PAIN0012-010 05/01/2019

BROWN, CLERMONT, CLINTON, HAMILTON & WARREN

	Rates	Fringes
PAINTER		
HEAVY & HIGHWAY BRIDGES- GUARDRAILS-LIGHTPOLES- STRIPING		
Bridge Equipment Tender and Containment Builder....	\$ 21.95	10.20
Bridges when highest point of clearance is 60 feet or more; & Lead		
Abatement Projects.....	\$ 26.30	10.20
Brush & Roller.....	\$ 25.30	10.20
Sandblasting & Hopper		
Tender; Water Blasting.....	\$ 26.05	10.20
Spray.....	\$ 25.80	10.20

PAIN0093-001 12/01/2024

ATHENS, GUERNSEY, HOCKING, MONROE, MORGAN, NOBLE and
WASHINGTON COUNTIES

	Rates	Fringes
PAINTER		
Bridges; Locks; Dams; Tension Towers; & Energized Substations.....		
	\$ 36.44	24.46
Power Generating Facilities..	\$ 33.29	24.46

PAIN0249-002 05/01/2024

CLARK, DARKE, GREENE, MIAMI, MONTGOMERY & PREBLE

	Rates	Fringes
PAINTER		
GROUP 1 - Brush & Roller....	\$ 27.15	13.64
GROUP 2 - Swing, Scaffold Bridges; Structural Steel; Open Acid Tank; High Tension Electrical Equipment; & Hot Pipes.....		
	\$ 27.15	13.64
GROUP 3 - Spray; Sandblast; Steamclean; Lead Abatement.....		
	\$ 27.90	13.64
GROUP 4 - Steeplejack Work..	\$ 28.10	13.64
GROUP 5 - Coal Tar.....	\$ 28.65	13.64
GROUP 6 - Bridge Equipment Tender & or Containment Builder.....		
	\$ 35.86	13.64
GROUP 7 - Tanks, Stacks & Towers.....		
	\$ 31.09	13.64
GROUP 8 - Bridge Blaster, Rigger.....		
	\$ 38.86	13.64

PAIN0356-002 09/01/2009

KNOX, LICKING, MUSKINGUM, and PERRY

	Rates	Fringes
PAINTER		
Bridge Equipment Tenders and Containment Builders....	\$ 27.93	7.25
Bridges; Blasters; and Riggers.....	\$ 34.60	7.25
Brush and Roller.....	\$ 20.93	7.25
Sandblasting; Steam Cleaning; Waterblasting; and Hazardous Work.....	\$ 25.82	7.25
Spray.....	\$ 21.40	7.25
Structural Steel and Swing Stage.....	\$ 25.42	7.25
Tanks; Stacks; and Towers...	\$ 28.63	7.25

PAIN0438-002 12/01/2023

BELMONT, HARRISON and JEFFERSON COUNTIES

	Rates	Fringes
PAINTER		
Bridges, Locks, Dams, Tension Towers & Energized Substations.....	\$ 36.09	19.49
Power Generating Facilities.	\$ 32.94	19.49

PAIN0476-001 06/01/2024

COLUMBIANA, MAHONING, and TRUMBULL COUNTIES

	Rates	Fringes
PAINTER		
GROUP 1.....	\$ 28.39	17.14
GROUP 2.....	\$ 35.02	17.14
GROUP 3.....	\$ 28.60	17.14
GROUP 4.....	\$ 28.89	17.14
GROUP 5.....	\$ 29.04	17.14
GROUP 6.....	\$ 29.29	17.14
GROUP 7.....	\$ 30.39	17.14

PAINTER CLASSIFICATIONS:

GROUP 1: Painters, Brush & Roller

GROUP 2: Bridges

GROUP 3: Structural Steel

GROUP 4: Spray, Except Bar Joist/Deck

GROUP 5: Epoxy/Mastic; Spray- Bar Joist/Deck; Working Above
50 Feet; and Swingstages

GROUP 6: Tanks; Sandblasting

GROUP 7: Towers; Stacks

PAIN0555-002 11/01/2023

ADAMS, HIGHLAND, JACKSON, PIKE & SCIOTO

	Rates	Fringes
PAINTER		
GROUP 1.....	\$ 32.18	20.29
GROUP 2.....	\$ 33.81	20.29
GROUP 3.....	\$ 35.44	20.29
GROUP 4.....	\$ 38.63	20.29

PAINTER CLASSIFICATIONS

GROUP 1 - Containment Builder

GROUP 2 - Brush; Roller; Power Tools, Under 40 feet

GROUP 3 - Sand Blasting; Spray; Steam Cleaning; Pressure Washing; Epoxy & Two Component Materials; Lead Abatement; Hazardous Waste; Toxic Materials; Bulk & Storage Tanks of 25,000 Gallon Capacity or More; Elevated Tanks

GROUP 4 - Stacks; Bridges

PAIN0639-001 05/01/2011

	Rates	Fringes
Sign Painter & Erector.....	\$ 20.61	3.50+a+b+c

FOOTNOTES: a. 7 Paid Holidays: New Year's Day; Memorial Day; July 4th; Labor Day; Thanksgiving Day; Christmas Day & 1 Floating Day
b. Vacation Pay: After 1 year's service - 5 days' paid vacation; After 2, but less than 10 years' service - 10 days' paid vacation; After 10, but less than 20 years' service - 15 days' paid vacation; After 20 years' service - 20 days' paid vacation
c. Funeral leave up to 3 days maximum paid leave for death of mother, father, brother, sister, spouse, child, mother-in-law, father-in-law, grandparent and inlaw provided employee attends funeral

PAIN0788-002 06/01/2024

ASHLAND, CRAWFORD, ERIE, HANCOCK, HURON, MARION, MORROW, OTTAWA (Allen, Bay, Bono, Catawba Island, Clay Center, Curtice, Danbury, Eagle Beach, Elliston, Elmore, Erie, Fishback, Gem Beach & Genoa), RICHLAND, SANDUSKY, SENECA & WYANDOT

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 29.13	17.52
Structural Steel.....	\$ 30.73	17.52

WINTER REPAINT: Between December 1 to March 31 - 90%JR

\$.50 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK:

While working swingstage, boatswain chair, needle beam and horizontal cable. While operating sprayguns, sandblasting,

cobblasting and high pressure waterblasting (4000psi).

\$1.00 PER HOUR SHALL BE ADDED TO THE RATE OF PAY FOR THE CLASSIFICATION OF WORK:

For the application of catalized epoxy, including latex epoxy that is deemed hazardous, lead abatement, or for work on material where special precautions beyond normal work duties must be taken. For working on stacks, tanks, and towers over 40 feet in height.

PAIN0813-005 12/01/2008

GALLIA, LAWRENCE, MEIGS & VINTON

	Rates	Fringes
PAINTER		
Base Rate.....	\$ 24.83	10.00
Bridges, Locks, Dams & Tension Towers.....	\$ 27.83	10.00

PAIN0841-001 06/01/2023

MEDINA, PORTAGE (South of and including Ohio Turnpike), and
SUMMIT (South of and including Ohio Turnpike) COUNTIES

	Rates	Fringes
Painters:		
GROUP 1.....	\$ 30.18	15.50
GROUP 2.....	\$ 30.83	15.50
GROUP 3.....	\$ 30.93	15.50
GROUP 4.....	\$ 31.03	15.50
GROUP 5.....	\$ 31.43	15.50
GROUP 6.....	\$ 39.20	11.75
GROUP 7.....	\$ 31.68	15.50

PAINTER CLASSIFICATIONS:

GROUP 1 - Brush, Roller & Paperhanger

GROUP 2 - Epoxy Application

GROUP 3 - Swing Scaffold, Bosum Chair, & Window Jack

GROUP 4 - Spray Gun Operator of Any & All Coatings

GROUP 5 - Sandblast, Painting of Standpipes, etc. from
Scaffolds, Bridge Work and/or Open Structural Steel,
Standpipes and/or Water Towers

GROUP 6 - Public & Commerce Transportation, Steel or
Galvanized, Bridges, Tunnels & Related Support Items
(concrete)

GROUP 7 - Synthetic Exterior, Drywall Finisher and/or Taper,
Drywall Finisher and Follow-up Man Using Automatic Tools

PAIN0841-002 06/01/2023

CARROLL, COSHOCTON, HOLMES, STARK, TUSCARAWAS & WAYNE

	Rates	Fringes
PAINTER		
Bridges; Towers, Poles & Stacks; Sandblasting Steel; Structural Steel & Metalizing.....	\$ 31.43	15.50
Brush & Roller.....	\$ 30.18	15.50
Spray; Tank Interior & Exterior.....	\$ 31.03	15.50

PAIN1020-002 07/01/2024		

ALLEN, AUGLAIZE, CHAMPAIGN, DEFIANCE, HARDIN, LOGAN, MERCER,
PAULDING, PUTNAM, SHELBY, VAN WERT, and WILLIAMS COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 26.54	17.66
Drywall Finishing & Taping..	\$ 27.29	17.66
Lead Abatement.....	\$ 28.29	17.66
Spray, Sandblasting Pressure Cleaning, & Refinery.....	\$ 27.29	17.66
Swing Stage, Chair, Spiders, & Cherry Pickers...	\$ 26.79	17.66
Wallcoverings.....	\$ 27.29	17.66
All surfaces 40 ft. or over where material is applied to or labor performed on, above ground level (exterior), floor level (interior) - \$.50 premium		
Applying Coal Tar Products - \$1.00 premium		

PAIN1275-002 05/01/2024		

DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, MADISON, PICKAWAY, ROSS
& UNION

	Rates	Fringes
PAINTER		
Bridges.....	\$ 36.26	14.91
Brush; Roller.....	\$ 30.65	14.91
Sandblasting; Steamcleaning; Waterblasting (3500 PSI or Over)& Hazardous Work.....	\$ 31.35	14.91
Spray.....	\$ 31.15	14.91
Stacks; Tanks; & Towers.....	\$ 33.46	14.91
Structural Steel & Swing Stage.....	\$ 29.50	14.91

PLAS0109-001 06/01/2024		

MEDINA, PORTAGE, STARK, and SUMMIT COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 31.70	23.63

PLAS0109-003 06/01/2024

CARROLL, HOLMES, TUSCARAWAS, and WAYNE COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 31.70	23.63

PLAS0132-002 07/01/2024

BROWN, BUTLER, CLERMONT, HAMILTON, HIGHLAND, WARREN COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 30.40	16.54

PLAS0404-002 05/01/2018

ASHTABULA, CUYAHOGA, GEAUGA, AND LAKE COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 29.63	17.11

PLAS0404-003 05/01/2018

LORAIN COUNTY

	Rates	Fringes
PLASTERER.....	\$ 28.86	17.11

PLAS0526-022 05/01/2018

COLUMBIANA, MAHONING, and TRUMBULL COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 28.86	17.11

PLAS0526-023 05/01/2018

BELMONT, HARRISON, and JEFFERSON COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 28.21	17.11

PLAS0886-001 07/01/2024

FULTON, HANCOCK, HENRY, LUCAS, PUTNAM, and WOOD COUNTIES

	Rates	Fringes
PLASTERER.....	\$ 33.73	23.25

PLAS0886-003 07/01/2024

DEFIANCE, ERIE, HURON, OTTAWA, PAULDING, SANDUSKY, and SENECA

	Rates	Fringes
PLASTERER.....	\$ 33.73	23.25

PLAS0886-004 07/01/2024

ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, and VAN WERT

	Rates	Fringes
PLASTERER.....	\$ 33.73	23.25

PLUM0042-002 07/01/2024

ASHLAND, CRAWFORD, ERIE, HURON, KNOX, LORAIN, MORROW, RICHLAND
& WYANDOT

	Rates	Fringes
Plumber, Pipefitter, Steamfitter.....	\$ 40.62	25.67

PLUM0050-002 07/01/2024

DEFIANCE, FULTON, HANCOCK, HENRY, LUCAS, OTTAWA, PAULDING,
PUTNAM, SANDUSKY, SENECA, WILLIAMS & WOOD

	Rates	Fringes
Plumber, Pipefitter, Steamfitter.....	\$ 49.70	30.76

PLUM0055-003 05/01/2024

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, MEDINA (N. of Rte. #18 &
Smith Road) & SUMMIT (N. of Rte. #303, including the corporate
limits of the city of Hudson)

	Rates	Fringes
PLUMBER.....	\$ 42.36	29.90

PLUM0083-001 07/01/2023

BELMONT & MONROE (North of Rte. #78)

	Rates	Fringes
Plumber and Steamfitter.....	\$ 35.94	37.35

PLUM0094-002 05/01/2025

CARROLL (Northern Half), STARK, and WAYNE COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 47.48	27.14

PLUM0120-002 05/01/2025

ASHTABULA, CUYAHOGA, GEAUGA, LAKE, LORAIN (the C.E.I. Power
House in Avon Lake), MEDINA (N. of Rte. #18) & SUMMIT (N. of
#303)

Rates	Fringes
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PIPEFITTER.....	\$ 49.17	28.55
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PLUM0162-002 06/01/2024

CHAMPAIGN, CLARK, CLINTON, DARKE, FAYETTE, GREENE, MIAMI,
MONTGOMERY & PREBLE

	Rates	Fringes
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Plumber, Pipefitter, Steamfitter.....	\$ 43.05	27.18
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PLUM0168-002 06/01/2024

MEIGS, MONROE (South of Rte. #78), MORGAN (South of Rte. #78)
& WASHINGTON

	Rates	Fringes
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PLUMBER/PIPEFITTER.....	\$ 39.43	37.29
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PLUM0189-002 06/01/2024

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

	Rates	Fringes
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Plumber, Pipefitter, Steamfitter.....	\$ 43.25	26.94
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PLUM0219-002 06/01/2024

MEDINA (Rte. #18 from eastern edge of Medina Co., west to
eastern corporate limits of the city of Medina, & on the county
road from the west corporate limits of Medina running due west
to and through community of Risley to the western edge of
Medina County - All territory south of this line), PORTAGE, and
SUMMIT (S. of Rte. #303) COUNTIES

	Rates	Fringes
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Plumber and Steamfitter.....	\$ 45.37	27.64
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PLUM0392-002 06/01/2024

BROWN, BUTLER, CLERMONT, HAMILTON & WARREN

	Rates	Fringes
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PLUMBER/PIPEFITTER.....	\$ 40.65	26.75
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PLUM0396-001 06/01/2024

COLUMBIANA (Excluding Washington & Yellow Creek Townships &
Liverpool Twp. - Secs. 35 & 36 - West of County Road #427),
MAHONING and TRUMBULL COUNTIES

	Rates	Fringes
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PLUMBER/PIPEFITTER.....\$ 38.45 28.96

PLUM0495-002 06/01/2024

CARROLL (Rose, Monroe, Union, Lee, Orange, Perry & Loudon Townships), COLUMBIANA (Washington & Yellow Creek Townships & Liverpool Township, Secs. 35 & 36, West of County Rd. #427), COSHOCTON, GUERNSEY, HARRISON, HOLMES, JEFFERSON, MORGAN (South to State Rte. #78 & from McConnellsville west on State Rte. #37 to the Perry County line), MUSKINGUM, NOBLE, and TUSCARAWAS COUNTIES

	Rates	Fringes
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Plumber, Pipefitter, Steamfitter.....	\$ 37.82	36.70
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PLUM0577-002 06/01/2024

ADAMS, ATHENS, GALLIA, HIGHLAND, JACKSON, LAWRENCE, PIKE, SCIOTO & VINTON

	Rates	Fringes
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Plumber, Pipefitter, Steamfitter.....	\$ 41.65	27.48
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PLUM0776-002 07/01/2024

ALLEN, AUGLAIZE, HARDIN, LOGAN, MERCER, SHELBY and VAN WERT COUNTIES

	Rates	Fringes
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Plumber, Pipefitter, Steamfitter.....	\$ 42.07	29.35
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TEAM0377-003 05/01/2024

STATEWIDE, EXCEPT CUYAHOGA, GEAUGA & LAKE

	Rates	Fringes
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TRUCK DRIVER		
GROUP 1.....	\$ 32.54	16.80
GROUP 2.....	\$ 32.96	16.80

TRUCK DRIVER CLASSIFICATIONS

GROUP 1 - Asphalt Distributor; Batch; 4- Wheel Service; 4-Wheel Dump; Oil Distributor & Tandem

GROUP 2 - Tractor-Trailer Combination: Fuel; Pole Trailer; Ready Mix; Semi-Tractor; & Asphalt Oil Spraybar Man When Operated From Cab; 5 Axles & Over; Belly Dump; End Dump; Articulated Dump; Heavy Duty Equipment; Low Boy; & Truck Mechanic

TEAM0436-002 05/01/2024

CUYAHOGA, GEAUGA & LAKE

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 32.25	18.95
GROUP 2.....	\$ 33.75	18.95

GROUP 1: Straight & Dump, Straight Fuel

GROUP 2: Semi Fuel, Semi Tractor, Euclids, Darts, Tank, Asphalt Spreaders, Low Boys, Carry-All, Tourna-Rockers, Hi-Lifts, Extra Long Trailers, Semi-Pole Trailers, Double Hook-Up Tractor Trailers including Team Track & Railroad Siding, Semi-Tractor & Tri-Axle Trailer, Tandem Tractor & Tandem Trailer, Tag Along Trailer, Expandable Trailer or Towing Requiring Road Permits, Ready-Mix (Agitator or Non-Agitator), Bulk Concrete Driver, Dry Batch Truck, Articulated End Dump

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the

type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the

interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"