

CONTRACT DOCUMENTS

FOR THE

2024 Union County Warner Road Signal Improvement Project

PREPARED BY THE OFFICE OF:



Jeff Stauch, P.E., P.S.
Union County Engineer
233 W. Sixth St.
Marysville, Ohio 43040
(937) 645-3018

BID DATE: _____

COMPANY NAME: _____

CONTACT NAME: _____

ADDRESS: _____

CITY, STATE: _____

ZIP CODE: _____

PHONE: _____

FAX: _____

EMAIL _____

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**County Engineer
Environmental Engineer**
233 W. Sixth Street
Marysville, Ohio 43040
P 937. 645. 3021
F 937. 645. 3161

www.unioncountyohio.gov/engineer

Building Department
233 W. Sixth Street
Marysville, Ohio 43040
P 937. 645. 3018

Marysville Operations Facility
16400 County Home Road
Marysville, Ohio 43040
P 937. 645. 3017
F 937. 645. 3111

Richwood Outpost
190 Beatty Avenue
Richwood, Ohio 43344

Public Service with integrity

NOTICE TO BIDDERS

Sealed proposals will be received by the Board of Commissioners of Union County, Ohio for the following:

2024 UNION COUNTY WARNER ROAD SIGNAL IMPROVEMENT

Plans, Specifications, and Bid Forms are available in the office of the Union County Engineer, 233 West Sixth Street, Marysville, Ohio 43040 between the hours of 7:30 am and 4:30 pm on weekdays, (holidays excluded).

This notice can be obtained through the County Engineer's website (www.unioncountyohio.gov/engineer) under the "Bid Info" section.

Proposals must be received by **9:30 A.M. on Wednesday, July 10, 2024**, in the Office of the Board of Commissioners of Union County located in the County Office Building, 233 West Sixth Street, Marysville, Ohio 43040. The proposals will be opened and read aloud immediately thereafter.

Each bidder is required to furnish with its proposal a Bid Guaranty and Contract Bond in accordance with Section 153.54 of the Ohio Revised Code. Bid security furnished in Bond form shall be issued by a Surety Company or Corporation licensed in the State of Ohio to provide said surety.

Each proposal must contain the full name of the party or parties submitting the proposal and all persons interested therein. Each bidder must submit evidence of its experiences on projects of similar size and complexity. The owner intends and requires that this project be completed no later than November 1, 2024.

Union County's Bid estimate is **\$260,000.00**.

Bidders must comply with the prevailing wage rates on Public Improvements in Union County, Ohio as determined by the Ohio Department of Commerce Division of Industrial Compliance and Labor, Bureau of Wage and Hour, (614) 644-2239.

Proposals will be accepted only from contractors who are pre-qualified with the Ohio Department of Transportation. Pre-qualification status must be in force at the time of bid, at the time of the award, and through the life of the construction contract.

Contractor compliance with the equal employment opportunity requirements of Ohio Administrative Code Chapter 123, the Governor's Executive Order of 1972, and the Governor's Executive Order 84-9 shall be required.

The Board of Commissioners of Union County reserves the right to reject any or all bids, or to increase or decrease or omit any item or items, or to waive any informalities in any bid(s), and to award the contract to the lowest and best bidder in accordance with Section 307.86 of the Ohio Revised Code as determined by the Board of Commissioners of Union County.

Board of Commissioners
Union County, Ohio
Jeff Stauch
Union County Engineer
6/25/24

Publish: Marysville Journal Tribune 6-25-24
Union County Engineer's Website

INSTRUCTIONS TO BIDDERS

1. Work To Be Done

The work to be done under this contract involves the furnishing of all labor, materials, and construction equipment necessary for the construction of the project noted in the foregoing notice.

2. Receipt and Opening of Bids

The Board of Commissioners of Union County herein called the "Owner" invites bids on the form attached hereto, all blanks of which must be appropriately filled in. Bids will be received by the Owner at the Office of the Board of Commissioners of Union County, 233 West Sixth Street, Marysville, Ohio, until **9:30 a.m. local time, Wednesday, July 10th, 2024**. The proposals will be opened and read immediately thereafter. The Envelopes containing the bids must be sealed, addressed to the Board of Commissioners and designated as bid for **2024 Union County Warner Road Signal Improvement Project**.

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions hereof and may waive any informalities or reject and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof.

3. Preparation of Bid

Each bid must be submitted on the prescribed Bid Proposal form and accompanied by a Bid bond, Certified or Cashier's check or an acceptable letter of credit and the items listed under item 18 of the Instructions to Bidders. All blank spaces for bid prices must be filled in, in ink or typewritten, and the foregoing Certifications must be completed and executed when submitted.

Proposals shall contain the full name of every person, firm or corporation submitting a bid. Proposals submitted by corporations shall be signed by the President and the Secretary.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the bidder, his/her address, and the name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed as specified in the bid form.

4. Method of Bidding

Proposals are solicited for the construction as shown on the plans and described in the specifications. Proposals shall be submitted on a unit price basis. A lump sum only bid for the entire project will not be accepted.

5. **Bid Proposal Surety**

Each proposal shall be accompanied by either a bond OR one of the following:

1. A certified check,
2. a cashier's check, or
3. an acceptable letter of credit.

A bond shall be for the full amount of the proposal and be in accordance with Sections 153.54 and 153.571 (B) of the Ohio Revised Code. THE BOND MUST BE IN THIS FORM, serving both as a Bid Guaranty and Contract Bond.

A certified check, a cashier's check or a letter of credit shall be for an amount of ten percent (10%) of the bid amount and shall be in accordance with Section 153.54 (C) of the Ohio Revised Code.

The checks of all except the lowest and best three bidders will be returned as soon as the Proposals are examined. The checks of these three bidders will be held until the execution of the Contract after which they will be returned.

6. **Examination of Site(s)**

Bidders are required to satisfy themselves by personal examination at the site(s) of the work, and by examination and study of the contract documents as to the conditions existing and difficulties likely to be encountered in the construction of the work. No plea of ignorance, as a result of failure to make such examinations on the part of the Contractor, will be accepted as an excuse for failure to fulfill the provisions of the Contract.

7. **Award of Contract**

The Board of Commissioners of Union County reserves the right to reject any or all bids, to omit any part, to increase, decrease, or omit any item or items, to waive any irregularities or informalities in bidding, and/or to award to the lowest and best bidder in accordance with Section 307.86 of the Ohio Revised Code.

8. **Contract**

The bidder to whom the award is made will be required to execute a written contract with Union County, and to furnish and maintain good and approved surety bonds, as hereinafter specified, within ten (10) days after the award of the Contract. **The Contract shall be in the form hereto attached.** If the bidder to whom an award is made fails to enter into a contract as herein provided, the award may be annulled and the Contract awarded to the next lowest and best bidder in the opinion of Union County, and such next lowest and best bidder shall fulfill every stipulation embraced herein as if he were the original party to whom the award was made.

Any bidder who fails to enter into a contract as herein provided shall forfeit his Proposal Surety.

If the bidder to whom the award is made is a corporation, the Secretary of said corporation shall execute an affidavit, **in the form hereto attached**, stating that the officer or agent of said corporation signing the Contract for said corporation is authorized to do so by either a provision of the corporation by-laws or by the adoption of a resolution of the Board of Directors of the Corporation, whichever the case may be. A copy of the resolution must also be attached.

9. Performance Bond and Payment Bond

Within ten (10) days after the award of the Contract, the bidder to whom the Contract is awarded shall furnish and maintain a satisfactory performance bond and separate payment bond for one hundred percent (100%) of the amount of the Contract, conditioned upon the faithful performance by the Contractor of all the covenants, stipulations, and agreements in the Contract.

If a one hundred percent (100%) bond according to Section 153.54 (B) of the Ohio Revised Code is submitted with the bid, the successful bidder's bond shall be retained as a performance bond. The form of the bond shall be as stated in Section 153.571 of the Ohio Revised Code.

If a certified check, cashier's check, or letter of credit in accordance with Section 153.54 (C) of the Ohio Revised Code is submitted with the bid, the successful bidder shall file a performance bond for the full amount of the Contract. The form of the performance bond shall be as stated in Section 153.57 of the Ohio Revised Code. The bond is subject to the approval of the Union County Engineer and the Union County Prosecutor.

10. Work Experience and Qualifications Summary

The bidder is required to state in detail, what work of a character similar to the above Work To Be Done that he has performed and give references and such other information that will enable Union County to judge the technical skill, responsibility, and the financial standing of the Contractor.

11. Ohio Worker's Compensation Coverage

The Contractor must secure and maintain valid Ohio workers' compensation coverage until the project has been finally accepted by the Ohio Department of Transportation. A certificate of coverage evidencing valid worker's compensation coverage must be submitted to the Engineer before the contract will be executed by the Engineer.

The Contractor must immediately notify the Engineer, in writing, if it or any subcontractor fails or refuses to renew their workers' compensation coverage. Furthermore, the Contractor must notify the Engineer, in writing, if its or any of its subcontractor's workers' compensation policies are canceled, terminated or lapse.

The failure to maintain valid workers' compensation coverage shall be considered a breach of contract which may result in the Contractor or subcontractor being removed from the project, withholding of pay estimates and/or termination of the contract.

12. Notice of Delinquent Taxes

Within ten (10) days after the award of the Contract the bidder shall submit to the Union County Engineer an affidavit stating either that he owes no delinquent taxes or that he does owe delinquent taxes and the amount. If the bidder owes such taxes, a copy of the statement will be sent to the Union County Treasurer within thirty (30) days. **A copy of the statement will be attached to the Contract.** No payment will be made on the Contract without such a statement.

13. Drug-Free Work Place

The Contractor must be enrolled and in good standing in the Ohio Bureau of Workers' Compensation's Drug-Free Workplace (DFWP) Discount Program or a similar program approved by the Bureau of Workers' Compensation **within 8 days of the bid opening.**

14. Insurance Certificate

Within ten (10) days after the award of the contract the successful bidder shall deliver a copy of his Ohio Worker's Compensation Certificate and an insurance certificate to the Union County Engineer. See the General Conditions for specific insurance requirements.

15. Labor and Wage Rates

The Contractor shall comply with Sections 153.59 and 153.60 of the Ohio Revised Code concerning discrimination and intimidation in employment on account of race, creed, sex, handicap, or color or other legally protected status.

The minimum wages to be paid by the successful bidder shall be in accordance with the "Schedule of Prevailing Hourly Wage Rates", ascertained and determined by the Ohio Department of Commerce, Wage and Hour Division applicable to public improvements in effect on the date of advertising for bids and as shown in the bidding proposal. Copies of the payroll must be furnished in accordance with Ohio Revised Code, Section 4115.071.

16. Time of Commencement and Completion

The completion date for the project (full operation of the signal) shall be December 1, 2024. The contractor may begin work after August 15, 2024, however the signal components noted within the supplemental plan sheets (acquired separately by Union County) will not be available until October 15th.

17. Funding

Funding for this project will be provided by the Union County Engineer.

18. Documents Required at the Time of Proposal

Each bid shall include **in this order**:

- Title Page
- Table of Contents
- Notice to Bidders
- Instructions to Bidders
- Bid Guaranty and Bond
- Addenda (if applicable)
- General Conditions
- Plans
- The properly completed Proposal
- Notice to Award
- Contract- Blank
- Notice to Proceed – Blank
- Notice of Commencement – Blank
- EEO Certificate of Compliance
- A valid Certificate of Compliance with Affirmative Action Programs, issued by the State EEO Coordinator dated prior to the bid opening date
- ODOT Certification of Qualification
- Hold Harmless Agreement
- Delinquent Taxes Affidavit
- Contractor Corporation Affidavit along with copy of resolution
- Request for Taxpayer Identification Number (W-9)
- Non-Collusion Affidavit
- Current Wage Scale (Ohio Prevailing Wage)

19. Additional Obligations upon Contract Award

Prior to execution of the Contract, the Contractor shall furnish:

- Any necessary performance bonds, payment bonds.
- Contractors Certificate of Insurance listing the Union County Board of Commissioners as additional insured.
- Contractor's Workers Compensation Certificate
- All documents or evidence of same required in these contract documents.

GENERAL CONDITIONS

OHIO PRODUCTS

All contractors and subcontractors involved with the project will, to the extent practicable use Ohio Products, materials, services, and labor in connection with this project.

1. Intent

It is the intent of these General Conditions to cover the governing conditions of work, labor, materials, detailed drawings, methods, measures, safety rules, and factors applicable to the work.

2. Union County Engineer to order, explain and decide

The Union County Engineer or his representative, shall give all orders and directions contemplated under the Contract; shall determine in all cases the amount, quality, acceptability, and fitness of the several kinds of work and material; shall determine all questions respecting the true construction or meaning of the specifications, or relating to said work, and shall decide in all cases every question which may arise relative to the fulfillment of this Contract on the part of the Contractor, and in case any dispute shall arise between the parties hereto touching this Contract, such determination and decision shall be a condition precedent to the right of the Contractor to receive any money under this Contract.

3. Responsibility of Contractor

The Contractor shall take all responsibility for the work, shall bear all losses resulting to him on account of the amount or character of the work, or from any unforeseen obstructions or difficulties which may be encountered, or because of the nature of the land in or on which the work is done is different from what is assumed or was expected, or an account of the weather, floods, or other causes; and he shall assume the defense of, and indemnify and save harmless Union County, the Union County Engineer and the Union County Commissioners and its officers and representatives, from all claims of any kind arising from the performance of this Contract.

The Contractor shall have sufficient equipment of a size and condition, operated by trained personnel that will perform a workmanlike job on schedule. Equipment to be used must be listed on the experience summary and must be available for inspection by the Engineer.

All equipment shall be equipped with the required safety devices and proper lights and signs in accordance with applicable Federal and State of Ohio Laws.

The Contractor shall be responsible for all material storage and handling. The Contractor is also responsible for container disposal in a manner approved by current Environmental Protection Agency Standards.

All work associated with this contract shall be performed between the hours of 6:30 am and 7:00 pm, Monday through Saturday. No work may be performed outside these time periods unless approved by the Engineer.

4. **Subcontractors**

All parts of the work which may be performed by a subcontractor shall be subject to all the provisions of this Contract exactly as if performed by the Contractor and his immediate employees and workmen. No subletting of the work shall in any way diminish or weaken the responsibility of the Contractor for all parts of the work or lessen his responsibilities under this Contract. The Contractor shall perform **not less than sixty percent (60%)** of the work with his own forces, unless prior permission is granted by the Union County Engineer.

5. **Drug –Free Workplace Program Participation:** Drug free program, SB 80-126th G.A. effective March 30, 2007

SB80: To enact sections 153.03 and 153.031 of the Revised Code to prohibit a state agency from awarding a public improvement contract unless its terms require the contractors and subcontractors to participate in a specified drug-free workplace program.

During the Contract Time, the Contractor shall be enrolled in and remain in good standing in the Ohio Bureau of Worker’s Compensation (“OBWC”) Drug-Free Workplace Program (“DFWP”) or a comparable program approved by the OBWC that meets the requirements specified in O.R.C. Section 153.03. (“OBWC-approved DFWP”)

If the Contractor provides Subcontractors that provide labor on the Project site, the Subcontractors shall be enrolled in and in good standing in the OBWC DFWP or an OBWC-approved DFWP.

Each Subcontractor shall require all lower-tier Subcontractors with whom the Subcontractor is in contract for the Work to be enrolled in and be in good standing in the OBWC DFWP or an OBWC- approved DFWP prior to a lower-tier Subcontractor providing labor at the Site.

Failure of the Contractor to require a Subcontractor to be enrolled in and be in good standing in the OBWC DFWP or an OBWC- approved DFWP prior to the time that the Subcontractor provides labor at the Site shall result in the Contractor being found in breach of the Contract and that breach shall be used in the responsibility analysis of that Contractor or the Subcontractor who was not enrolled in a program for future contracts with the State for five years after the date of the breach.

Failure of a Subcontractor to require a lower-tier Subcontractor to be enrolled in and be in good standing in the OBWC DFWP or an OBWC-approved DFWP prior to the time that the lower-tier Subcontractor provides labor at the Site shall result in the Subcontractor being found in breach of the Contract and that breach shall be used in the responsibility analysis of that Subcontractor of the lower-tier Subcontractor who was not enrolled in a program for future contracts with the State for five years after the date of the breach.

Prior to authorizing a Subcontractor to commence Work on the Project, the Contractor shall obtain the Contracting Authority’s approval and shall also submit written confirmation of the Subcontractor’s enrollment on the Declaration of Subcontractors and Material Suppliers form to the Associate.

5. Drug –Free Workplace Program Participation, continued:

In addition to OBWC-approved DFWP Level 1 requirements, the Department requires each Contractor and Subcontractor that provides labor on the Site to perform random drug testing of 5 percent of its employees who perform labor on the Site. The random drug testing percentage shall also include the on-site supervisors of the Contractors and Subcontractors. Level 1 random drug testing shall otherwise comply with the same testing guidelines and criteria as required for OBWC-approved Level 2 testing. The Contractor and Subcontractor shall provide evidence of required testing to the Contracting Authority upon request.

6. Safety, Independent Contractor Indemnification

The Contractor and the Union County Engineer mutually agree that the relationship formed by this agreement is intended to be that of customer and independent contractor, and is not an employment relationship.

The Contractor hereby represents that it is not an entity over whom the National Labor Relations Board has ever declined jurisdiction.

The Contractor further agrees and covenants that, should a safety issue or complaint arise from, or involving, an employee, agent or representative of the Contractor; the Contractor will indemnify and hold Union County, Union County Commissioners and the Union County Engineer harmless, and will assume all legal and financial responsibility for said issue or complaint including, but not limited to, all fines, fees, costs, corrective action, provision of equipment, training and administration.

The Contractor further agrees and covenants that, should a safety related issue suit, or complaint be filed against Union County, Union County Commissioners or the Union County Engineer, by an employee, agent, or representative of the Contractor, the Contractor will pay all associated costs of Union County, Union County Commissioners or the Union County Engineer as Union County deems necessary, in order to defend, correct, or resolve said issue or complaint.

7. Site Investigation and Representations

The Contractor by submitting a proposal and entering into this Contract acknowledges that he has satisfied himself as to the nature and locations of the work, the general and local conditions, particularly those bearing upon transportation, disposal, handling and storage of materials, availability of labor, water, electric power, roads, and uncertainties of weather, or similar physical conditions at the site, the conformation and condition of the ground, the character, quality and quantity of surface and subsurface materials to be encountered, the character of equipment and facilities needed preliminary to and during the prosecution of the work and all other matters which can in any way affect the work or the cost thereof under this Contract. Any failure by the Contractor to acquaint himself with all the available information concerning these conditions will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work.

8. Lump Sum and Unit Bid Prices

Proposals shall be submitted using the attached blank forms, designated for such purpose. These forms must be completed intact, without removal of any part, must recite the full name of the party making the Proposal, and must be properly signed.

In each blank marked "unit price", bidders are required to provide a Bid price per referenced unit for the requested materials, labor or equipment, or reference combination thereof. Failure to provide a price for each unit price item, or failure to provide prices for lump sum items, will render the Proposal informal, allowing its rejection at the County's discretion.

Extended unit prices are calculated by multiplying the bidder's unit price entries times their respective approximate quantities. The resultant extended unit price figures, in addition to any lump sum prices are added to calculate the amount of each Bid.

The sum of the unit prices and lump sum prices provided by each Bidder shall comprise that Bidder's proposal price for consideration of award of contract. If an error is made in the extension of unit prices, or in the addition of the unit and lump sum prices, the accurate extended unit prices and total shall govern.

Quantities provided by the Bid Documents are estimates only. The County reserves the right to eliminate, increase or decrease the actual quantity of any unit price item or to non-perform any item.

9. Non-Performance Work

The Union County Engineer reserves the right to omit any Items or portions thereof in the Proposal and classify them as Non-Performance Items upon notification to the Contractor in writing. Prior to final payment and termination of the Contract, a statement of non-performed work will be required.

10. Extra Work

Where extra work becomes necessary for the construction of the project, such work shall only be performed in accordance with the Contract and at a price mutually agreed upon or at the unit prices specified in the Proposal. Prior to final payment and termination of the Contract, a statement of extra work will be required.

11. Cancellation of Contract

If the work to be done under this Contract shall be abandoned by the Contractor; or if this Contract shall be assigned or the work under the Contract sublet by the Contractor, otherwise than herein specified; or if, before the completion of the work under this Contract, the Contractor shall become financially embarrassed or shall become bankrupt or shall make a general assignment for the benefit of creditors or shall have a receiver appointed for him or to take charge of his affairs or shall have his property levied upon or taken in execution of under attachment; or if, at any time, Union County shall be of the opinion that the performance of the Contract is unnecessarily or unreasonably delayed or that the Contractor is violating any of the conditions or agreements of this Contract, or is executing the same in bad faith or is not

11. Cancellation of Contract, continued.

fulfilling the terms thereof, or is not making such progress in the execution of the work as to indicate its completion within the time specified, or within the time to which the completion of the Contract may have been extended by Union County, Union County may at any time declare this Contract or any portion thereof, terminated by a written notice served upon the Contractor, a copy of which notice shall be given to the Surety or the authorized agent of the Surety.

Upon the service of such notice, the Contractor shall discontinue the work or such part thereof as Union County shall designate, whereupon the Surety may, at his option, assume this Contract or that portion thereof on which Union County has ordered the Contractor to discontinue work and proceed to perform the same and may with the written consent of Union County sub-let the work or portion of the same taken over provided, however, that the Surety shall exercise its option, if at all within two (2) weeks after written notice to discontinue work has been served upon the Contractor, and upon the Surety or its authorized agent.

The Surety, in such event, shall take the Contractor's place in all respects and shall be paid by Union County for all work performed by it in accordance with the terms of this Contract and if the Surety, under the provisions hereof, shall assume said entire Contract, all moneys due the Contractor shall thereupon become due and payable to the Surety subject to all the terms of this Contract.

In case the Surety does not, within the hereinbefore specified time, exercise its right and option to assume this Contract or that portion thereof on which Union County has ordered the Contractor to discontinue work, then Union County shall have the power to work at and to complete the work herein described, furnishing the necessary labor and material therefore, without advertising for bids or letting a contract or to complete the same as herein provided for, in the manner provided by law for the letting of contracts by Union County and to use such materials and tools, machinery and appliances as may be found upon said work, all of which the Contractor agrees may be used by Union County or to procure other materials, tools, machinery and appliances or of the new contract to the Contractor, and the expense so charged shall be deducted and paid out of such money as may then be due to or thereafter at any time to become due to the Contractor. In case such expense is less than the sum which

Would have been payable under this Contract, if the same had been completed by the Contractor, he shall be entitled to receive the difference and in case such expense is greater, the Contractor, or, in case of his default, his Surety shall, on notice from Union County, pay the amount of such excess to Union County.

12. Extension of Time

If the Contractor is obstructed or delayed in the prosecution or completion of the work by any damage that may happen thereto by the unusual action of the elements, or by the abandonment of the work by the employees in a general strike, or by any delay on the part of Union County, the Contractor shall have no claim for damage for any such cause or delay, but he shall in such case be entitled to such extension of time for the completion of the work as the Union County Engineer shall certify to be just and proper provided, however, that the claim for such extension of time is made by the Contractor, in writing, within one (1) week from the time when such alleged cause for delay shall occur.

13. Failure to meet Completion Date

If the Contractor fails to complete the Contract by the date set for completion, he shall pay all expenses incurred by Union County after that date for inspection, supervision and all other similar engineering services in connection with the Contract as well as liquidated damages assessed in accordance with 108.07 of the 2023 ODOT CMS.

TABLE 108.07-1 SCHEDULE OF LIQUIDATED DAMAGES

| Original Contract Amount (Total Amount of the Bid) | | Amount of Liquidated Damages to be Deducted for each Calendar Day of Overrun in Time |
|---|------------------|--|
| From More Than | To and Including | |
| \$0.00 | \$500,000 | \$400 |
| \$500,000 | \$2,000,000 | \$600 |
| \$2,000,000 | \$10,000,000 | \$900 |
| \$10,000,000 | \$50,000,000 | \$1,650 |
| Over \$50,000,000 | | \$3,970 |

14. Guarantee Bond

All material and equipment placed and installed under this contract shall be guaranteed by the Contractor against defects of material, workmanship, and design for a period of at least one (1) year after the date of acceptance by Union County. The performance bond furnished by the Contractor as a part of this Contract shall remain in effect until the expiration of the guarantee period as assurance of the Contractor's obligation to meet the guarantee herein stipulated.

Failure of the Contractor to rectify damage, improper design, faulty workmanship and materials as supplied by him and which have been shown by test to be deficient after one (1) year's operation, shall entitle Union County to proceed against the Surety for the cost of making good the obligation which the Contractor assumed at the time of signing the Contract.

The Contractor shall protect and keep the work in good repair during construction and for one (1) year after acceptance by Union County and shall correct and repair promptly during that time all breaks and failures of whatever description and all settlement and irregularities of ground surfaces, and shall deliver the work in all respects in good condition at the end of that time.

15. Contractor to Check Drawings

The Contractor shall check all dimensions and quantities on the Drawings given to him and shall notify the Union County Engineer of all errors or omissions therein which he may encounter. He will not be allowed to take advantage of any error or omission in the Contract Documents as full instructions will be furnished should such error or omission be encountered and the Contractor shall carry out such instructions as if originally specified. The Contractor shall notify the Union County Engineer of such errors or omissions prior to proceeding with the work.

16. Responsibility for Damage Claims and Liability Insurance

The Contractor shall save harmless Union County, the Union County Engineer, the Union County Commissioners and all of its representatives, or any affected railroad or railway company, or any fee owner from whom a temporary right-of-way has been acquired for the project, from all suits, actions, or claims brought on account of any injuries or damages sustained by any person or property in consequence of any neglect in safeguarding the work or through the use of unacceptable materials in the construction of the improvement or on account of any act or omission, by the Contractor.

The Contractor shall procure and maintain at his own expense, insurance for liability for damages imposed by law and assumed under this Contract, of the kinds and in the amounts hereinafter provided from insurance companies authorized to do business in Ohio. Prior to the execution of the contract, the Contractor shall furnish to the Engineer a certificate or certificates of insurance in the form satisfactory to the Engineer demonstrating that he has complied with this specification. The certificate or certificates shall provide that the contractor's liability and auto policies shall not be changed to reduce or restrict coverage or canceled until 30 days written notice has been given to the Engineer by the insurer. All certificates and notices shall be mailed to: Union County Engineer, 233 W. Sixth Street, Marysville, Ohio 43040. Upon request, the Contractor shall furnish the Department with a certified copy of each policy, including the provisions establishing premiums.

The types and minimum limits of insurance are as follows:

(a) Commercial General Liability Insurance. The minimum limits of liability for this insurance shall be as follows:

General Aggregate Limit \$2,000,000.00
Products – Completed Operations Aggregate Limit \$2,000,000.00
and Advertising Injury Limit \$1,000,000.00
Each Occurrence Limit \$1,000,000.00

The above minimum coverages may be obtained through primary insurance or any combination of primary and umbrella insurance. In addition, the General Aggregate Limit shall be required on a per project basis.

The Commercial General Liability Insurance policy shall name the Union County Board of Commissioners as additional insured with all rights to due notices in the manner set out above. The standard Commercial General Liability coverage for damages due to blasting, underground utilities and collapse of foundations shall not be deleted by exclusion endorsements.

(b) Business Automobile Liability Insurance. The Comprehensive Automobile Liability policy shall cover owned, non-owned and hired vehicles with minimum limits as follows:

Bodily Injury & Property Damage Liability Limit
Combined Single Limit \$1,000,000.00

16. Responsibility for Damage Claims and Liability Insurance, continued

Insurance coverage in the minimum amounts set forth herein shall not be construed to relieve the Contractor from liability in excess of such coverage, nor shall it preclude the Engineer from taking such other actions as are available to it under any other provisions of this Contract or otherwise in law.

Proof of insurance shall be submitted to the Engineer. The Contractor shall be responsible for the deductible limit of the policy and all exclusions consistent with the risks he assumes under this Contract and as imposed by law.

In the event that the Contractor provides evidence of insurance in the form of certificates of insurance, valid for a period of time less than the period during which the Contractor is required by terms of this Contract to maintain insurance, said certificates shall be acceptable, but the Contractor shall be obligated to renew his insurance policies as necessary and to provide new certificates of insurance from time to time, so that the Engineer is continuously in possession of evidence that the Contractor's insurance is in accordance with the foregoing provisions.

In the event the Contractor fails or refuses to renew his insurance policies or the policies are canceled or terminated, or if aggregate limits have been impaired by claims so that the amount available is under the minimum aggregate required by \$500,000.00 or more, or modified so that the insurance does not meet the requirements of this item, the Engineer may refuse to make payment of any further monies due under this Contract or refuse to make payment of monies due or coming due under other contracts between the Contractor and the Engineer.

The Engineer in his sole discretion may use monies retained pursuant to this specification to renew or increase the Contractor's insurance as necessary for the periods and amounts referred to above. Alternatively, the Engineer may request that the Contractor's surety remedy any deficiencies with these insurance requirements, or the Engineer may default the Contractor for failure to comply with this specification. During any period when the required insurance is not in effect, the Engineer may suspend performance of the Contract. If the Contract is so suspended, no additional compensation or extension of time shall be due on account thereof.

Nothing in the Contract including but not limited to the plans, bid proposals, specifications and insurance requirements is intended to create in the public or any member thereof a third party beneficiary hereunder, nor is any term and condition or other provision of the Contract intended to establish a standard of care owned to the public or any member thereof.

Additional insurance shall be maintained as specified below, for the minimum limits as indicated. Insurance shall be written by insurance companies authorized to transact business in the State of Ohio under the laws of Ohio and licensed by the Department of Insurance as either admitted or non-admitted insurers.

(i) Worker's Compensation and Employers Liability

1. Worker's Compensation Insurance in compliance with Ohio Worker's Compensation laws and other applicable Worker's Compensation or disability laws.

17. Reporting, Investigating, and Resolving Motorist Damage Claims

Pursuant to 107.12 and 107.14, the following procedures shall be utilized by the Contractor and the Engineer for reporting, investigating, and resolving motorist damage claims.

When a motorist reports damage to his vehicle either verbally or in writing to the Contractor, the Contractor shall within three days make and file a written report to the Engineer or his representative. The report shall be forwarded to the Union County Board of Commissioners who, as a co-insured party, will then contact the Contractor's insurance company and request that the insurance company investigate and resolve the claim. In the event that the Engineer directly receives the motorist's claim, the claim report shall be sent to the contractor's insurance company and a copy be mailed to the Contractor. If the Contractor's insurance company does not resolve the claim in a timely manner, the Engineer shall advise the motorist of the option of pursuing the claim in the Union County Common Pleas Court.

In the event of a lawsuit filed by the motorist, the Union County Board of Commissioners, as an additional party, may request the Contractor's insurance company to defend this lawsuit and hold the Engineer harmless in accordance with 107.14.

18. Taxes

Materials purchased for use or consumption in connection with the proposed work will be exempt from the State of Ohio Sales Tax as provided for in Section 5739.02 of the Revised Code of Ohio, and also from the State of Ohio Use Tax, Section 5741.01.

19. Contractor's Obligation to Pay Bills

Before the Contractor shall demand payment, all persons or firms that have supplied labor, materials, or equipment for the work embraced under this Contract shall have been fully paid for the same. The necessary affidavit shall be completed prior to each payment.

20. Settlement of Dispute

If any differences arise between the parties hereto, relative to any feature of this Contract, such differences shall be governed by the laws of the State of Ohio and any disputes shall be venued in the Court of Common Pleas of Union County, Ohio .

21. Reports and Payments

The Contractor will be paid at approximate thirty (30) day intervals upon submission of his invoice based on the work completed. Copies of material bills shall be furnished for all materials delivered and used. All payments to the Contractor will be subject to the approval of the Union County Engineer that all work has been performed in accordance with the Contract. Payments will be made to the Contractor approximately thirty (30) days after the approval by the Union County Engineer. **Payments made to the Contractor from the Union County Engineer will be by check.**

22. Partial Payment

As stated in Section 153.12 of the Ohio Revised Code, if the work is less than fifty percent (50%) complete payments shall be made at the rate of ninety-two percent (92%) of the estimates prepared by the Contractor. **All work performed after the job is fifty percent (50%) complete shall be paid for at the rate of one hundred percent (100%)**

23. Haul Route

All haul roads (county or township) shall be approved in writing by the Union County Engineer prior to beginning construction.

24. Pre-Construction Conference

After the Contract has been signed but before construction is started, the Union County Engineer will schedule a Pre-Construction Conference. The Contractor shall attend and be prepared to:

1. Provide a listing of key project personnel (Project Manager, Superintendent, etc.) with office, mobile and pager numbers to be used.
2. Provide a complete listing of sub-contractors' key personnel representing each.
3. Discuss plans and methods of maintaining traffic during the project.

Any necessary approvals will be given within two weeks after the pre-construction conference.

NOTICE TO BIDDERS

2024 Union County Warner Road Signal Improvement

For your convenience, the bid proposal Excel spreadsheet is available on Union County's website at:

www.unioncountyohio.gov/Engineer

Under Bid Info

Click on proposal sheet and complete the column titled "unit price" and the pre-filled and protected formulas will calculate the totals for you.

If you prefer to calculate the proposal manually, both options will be accepted.

Print the completed proposal and send it with your bid packet to the Union County Commissioners by **9:30 a.m., Wednesday, July 10th, 2024.**

PROPOSAL

Date: _____

TO: Board of Commissioners, Union County, Ohio
 PROJECT: 2024 UNION COUNTY WARNER ROAD SIGNAL IMPROVEMENT PROJECT

COMPANY NAME: _____

The undersigned, having full knowledge of the site(s) of the Project, the specifications applicable to the Project, and the conditions of this Proposal hereby agrees to furnish all services, labor, materials and equipment necessary to complete the Project in accordance with the Detailed Specifications, within the time specified for completion and to accept payment in accordance with the unit prices stated below as full compensation for all furnished services, labor, materials and equipment.

| Ref No. | Item | Description | Unit Quantities | Unit Desc. | Unit Price Bid | BID AMOUNT |
|---------|------|---|-----------------|------------|-------------------------|------------|
| 1 | | SIGN, FLAT SHEET | 94.50 | SF | | |
| 2 | | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | 2.00 | EACH | | |
| 3 | | STOP LINE | 65.00 | FT | | |
| 4 | | CONDUIT, 4", 725.04 | 134.00 | FT | | |
| 5 | | CONDUIT, JACKED OR DRILLED | 136.00 | FT | | |
| 6 | | TRENCH | 134.00 | FT | | |
| 7 | | PULL BOX, 725.08, 18" | 6.00 | EACH | | |
| 8 | | GROUND ROD | 6.00 | EACH | | |
| 9 | | SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG | 819.00 | FT | | |
| 10 | | SIGNAL SUPPORT FOUNDATION | 4.00 | EACH | | |
| 11 | | POWER CABLE, 2 CONDUCTOR, NO. 8 AWG | 40.00 | FT | | |
| 12 | | SERVICE CABLE, 2 CONDUCTOR, NO. 8 AWG | 48.00 | FT | | |
| 13 | | POWER SERVICE | 1.00 | EACH | | |
| 14 | | SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 | 3.00 | EACH | | |
| 15 | | SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 | 1.00 | EACH | | |
| 16 | | VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE | 7.00 | EACH | | |
| 17 | | VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, PO LYCARBONATE | 2.00 | EACH | | |
| 18 | | SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 39' IN LENGTH), AS PER PLAN | 1.00 | EACH | | |
| 19 | | CABINET, TYPE TS-2 | 1.00 | EACH | | |
| 20 | | CABINET FOUNDATION | 1.00 | EACH | | |
| 21 | | CONTROLLER WORK PAD | 1.00 | EACH | | |
| 22 | | ADVANCE RADAR DETECTION, AS PER PLAN | 4.00 | EACH | | |
| 23 | | STOP LINE RADAR DETECTION, AS PER PLAN | 4.00 | EACH | | |
| 24 | | EMERGENCY VEHICLE PREEMPTION, AS PER PLAN | 4.00 | EACH | | |
| 25 | | MAINTAINING TRAFFIC | 1.00 | LS | | |
| 26 | | CONSTRUCTION LAYOUT STAKES AND SURVEYING | 1.00 | LS | | |
| 27 | | MOBILIZATION | 1.00 | LS | | |
| 28 | | PERFORMANCE BOND | 1.00 | LS | | |
| | | | | | TOTAL BID AMOUNT | |

PROPOSAL

1. NON - COLLUSION AFFIDAVIT

In accordance with Title 23 United States Code, Section 112 and Ohio Revised Code, Chapter 1331 et. seq: and Sections 2921.11 and 2921.13, the bidder hereby states, under penalty of perjury and under other such penalties as the law provides, that he or his agents or employees have not entered either directly or indirectly into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal. **Execution of this proposal on the signature portion thereof shall constitute also signature of this Non-Collusion Affidavit as permitted by title 28 United States Code, Section 1746.**

2. FEDERALLY REQUIRED EEO CERTIFICATION

The bidder hereby certifies that he/she **has**, **has not**, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that he/she **has**, **has not**, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements. **The Bidder must check the appropriate "has or has not" below.**

HAS []

HAS NOT []

3. CERTIFICATION AGAINST DEBARMENT AND SUSPENSION

The bidder hereby certifies by signing this proposal that, except as noted below, under penalty of perjury and under other such penalties as the laws of this state and the United States of America provide, that the company or any person associated there with in the capacity of owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the administration of federal funds,

- is **not** currently under suspension, debarment, voluntary exclusion or determination of ineligibility by any federal agency; and,
- has not been debarred within the past three (3) years; and,
- does not have a proposed debarment pending; and,
- has not been indicted, convicted or had a civil judgment rendered against the company, or themselves by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years

If there are exceptions to any of the above clauses please include a statement with the bid package detailing these exceptions.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate below to whom it applies, initiating agency and dates of action. Providing false information may result in criminal prosecution or administrative sanctions. Execution of this proposal on the signature portion thereof shall constitute also signature of this certification as permitted by Title 28 United States Code, Section 1746.

4. **Required EEO Certification**

All prime contract bidders on the project must submit prior to the execution of a contract a copy of a valid Certificate of Compliance for Equal Employment Opportunity purposes as issued by the State Equal Employment Opportunity Coordinator.

Does this bidder have a valid Certificate of Compliance _____Yes _____No.

If "No" to the above, will this bidder be able to obtain a valid Certificate of Compliance prior to the execution of a contract? _____Yes_____No.

Bidder must provide a "Yes" answer to one or the other of the above questions.

5. **Prequalification**

Only pre-qualified contractors are eligible to submit bids for this PROJECT. Pre-qualification status must be in force **at the time of bid, at the time of award, and through the life of the construction contract**. Each bid shall be accompanied by satisfactory evidence indicating the Bidder's prequalification with the Ohio Department of Transportation in accordance with section 102.01 of its Construction and Material Specifications updated January 1, 2019.

Bidder prequalified with the Ohio Department of Transportation?

YES NO

The **TOTAL AMOUNT OF THE BID**, based on the Approximate Unit Quantities given above and lump sum/unit prices specified above by the Bidder amounts to the sum of:

_____ and _____/100 Dollars.

(\$_____)

COMPLETION DATE:

The completion date for the project (full operation of the signal) shall be December 1, 2024. The contractor may begin work after August 15, 2024, however the signal components noted within the supplemental plan sheets (acquired separately by Union County) will not be available until October 15th.

Attached hereto is a bond (or certified check, cashier's check, or letter of credit) with/on _____ of _____, for the sum of _____ (\$ _____) Dollars, in accordance with the terms of the Instructions to Bidders.

The full name and residence of all persons and parties interested in the foregoing bid, as principals are as follows:

| <u>NAME</u> | <u>ADDRESS</u> |
|-------------|----------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

SUBCONTRACTORS AND SUPPLIERS :

| NAME | ITEM | AMOUNT |
|-------|-------|--------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

PLEASE ATTACH APPLICABLE WORK EXPERIENCE

In accordance with Executive Order 2011-03K, the Contractor, by signature on this Bid, certifies; (1) it has reviewed and understands Executive Order 2011-03K, (2) has reviewed and understands the Ohio ethics and conflict of interest laws, and (3) will take no action inconsistent with those laws and this order. The Contractor understands that failure to comply with Executive Order 2011-03K is, in itself, grounds for termination of this contract and may result in the loss of other contracts with the State of Ohio.

The full text of Executive Order 2011-03K can be downloaded from:
<http://www.governor.ohio.gov/Portals/0/pdf/executiveOrders/EO2011-03.pdf>

Signature of Bidder _____ Date _____

COMPANY _____

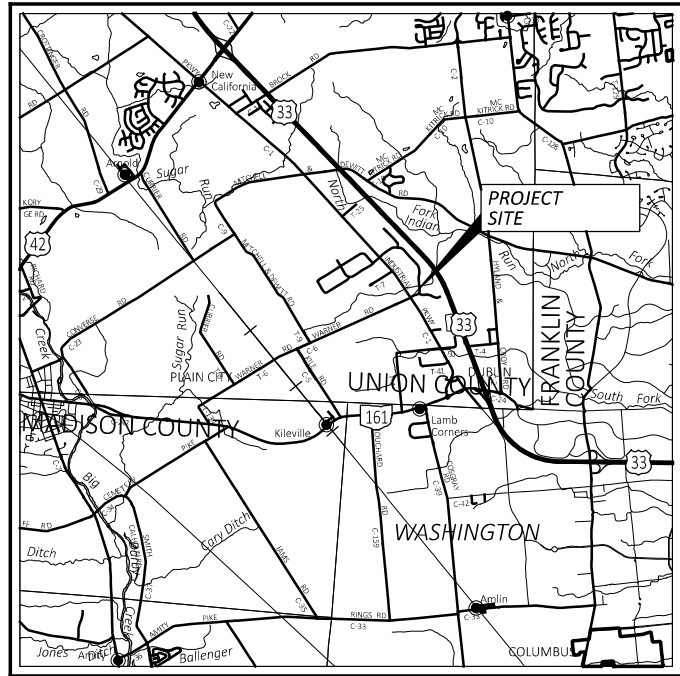
Business Address of Bidder _____

Business Phone Number (____) _____ Fax (____) _____

Bidder E-Mail address _____

Acknowledgement of Addendum(s) (if any) to Proposal:
Addendum(s) Received (circle if applicable) #1 #2 #3 #4
Date Signed _____ Signature of Bidder _____

**PLEASE DIRECT ANY PRE-BID QUESTIONS TO LUKE SUTTON AT
lsutton@unioncountyohio.gov.**



LOCATION MAP

LATITUDE: 40 °07'25" LONGITUDE: 83 °11'40"



| | | |
|-------------------------|-------|-------|
| PORTION TO BE IMPROVED | ----- | ===== |
| INTERSTATE HIGHWAY | ----- | ===== |
| FEDERAL ROUTES | ----- | ===== |
| STATE ROUTES | ----- | ===== |
| COUNTY & TOWNSHIP ROADS | ----- | ===== |
| OTHER ROADS | ----- | ===== |

DESIGN DESIGNATION

| | | |
|-----------------------------------|-------|-------|
| CURRENT ADT (2024) | ----- | 13670 |
| DESIGN YEAR ADT (2044) | ----- | 13670 |
| DESIGN HOURLY VOLUME (2044) | ----- | 1207 |
| DIRECTIONAL DISTRIBUTION | ----- | 0.58 |
| TRUCKS (24 HOUR B&C) | ----- | 0.08 |
| DESIGN SPEED | ----- | 50 |
| LEGAL SPEED | ----- | 50 |
| DESIGN FUNCTIONAL CLASSIFICATION: | | |

NHS PROJECT ----- NO

DESIGN EXCEPTIONS

NONE REQUIRED

ADA DESIGN WAIVERS

NONE REQUIRED

UNDERGROUND UTILITIES
Contact Two Working Days
Before You Dig


OHIO811.org
Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non members must be called directly)

PLAN PREPARED BY:
STRAND ASSOCIATES
500 NEIL AVENUE, SUITE 110
COLUMBUS, OH 43215

STATE OF OHIO UNION COUNTY

WARNER ROAD SIGNAL PLANS

JEROME TOWNSHIP

INDEX OF SHEETS:

| | |
|----------------------------|---------|
| TITLE SHEET | P.1 |
| SCHEMATIC PLAN | P.2 |
| GENERAL NOTES | P.3-P.5 |
| SIGNAL PLAN | P.6 |
| SIGNAL QUANTITIES | P.7 |
| TRAFFIC CONTROL | P.8 |
| SIGNAL DETAILS | P.9 |
| SIGNAL AND PHASING DETAILS | P.10 |
| WIRING DETAILS | P.11 |

| STANDARD CONSTRUCTION DRAWINGS | | | | SUPPLEMENTAL SPECIFICATIONS | SPECIAL PROVISIONS |
|--------------------------------|----------|----------|----------|-----------------------------|--------------------|
| TC-21.21 | 01-20-23 | HL-30.11 | 07-21-23 | SS 800 | 01-19-24 |
| TC-41.20 | 10-18-13 | HL-30.21 | 04-17-20 | SS 809 | 01-19-24 |
| TC-52.10 | 10-18-13 | HL-30.22 | 01-15-21 | | |
| TC-52.20 | 01-15-21 | HL-40.10 | 07-21-23 | | |
| TC-81.22 | 07-21-23 | | | | |
| TC-83.20 | 01-19-24 | | | | |
| TC-85.20 | 04-21-23 | | | | |
| MT-120.001 | 1-19-24 | | | | |

FEDERAL PROJECT NUMBER

N/A

RAILROAD INVOLVEMENT

NONE

PROJECT DESCRIPTION

SIGNAL IMPROVEMENTS AT THE INTERSECTION OF WARNER ROAD AND INDUSTRIAL PARKWAY INCLUDING NEW SIGNAL POLES, SIGNAGE, AND PAVEMENT MARKINGS

EARTH DISTURBED AREAS

| | |
|--|-----------|
| PROJECT EARTH DISTURBED AREA: | 0.5 ACRES |
| ESTIMATED CONTRACTOR EARTH DISTURBED AREA: | 0.2 ACRES |
| NOTICE OF INTENT EARTH DISTURBED AREA: | N/A |

2019 SPECIFICATIONS


THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

TRAFFIC NOT REROUTED

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL NOT REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT PROVISIONS FOR THE MAINTENANCE AND SAFETY OF TRAFFIC WILL BE AS SET FORTH ON THE PLANS AND ESTIMATES,


06.24.24
 JEFF STAUCH, I UNION COUNTY ENGINEER




 06/12/24

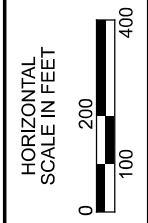
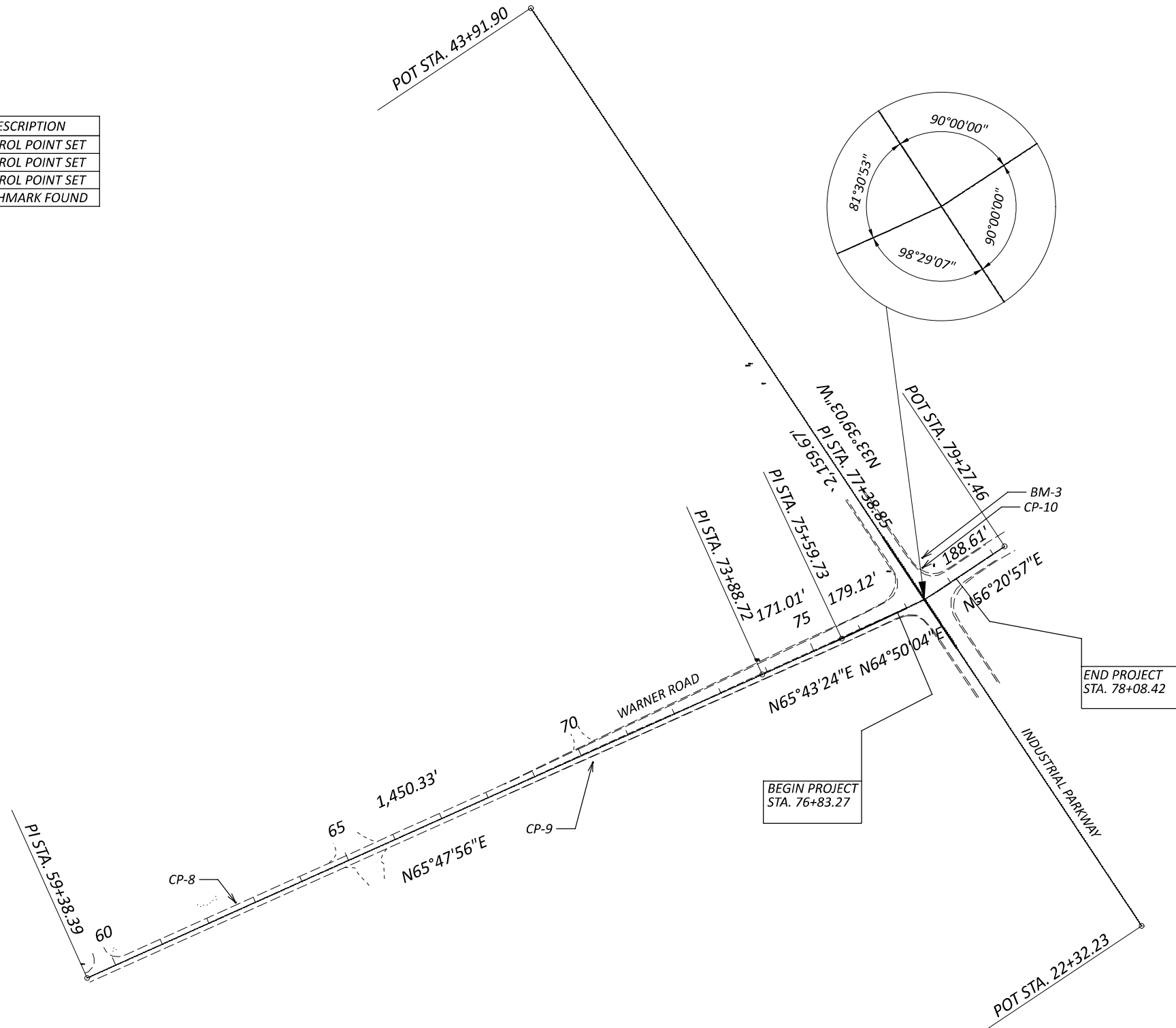
| | |
|---|--------------|
| DESIGN AGENCY | |
|  | |
| DESIGNER | TMK |
| REVIEWER | JDH 05/23/24 |
| PROJECT ID | N/A |
| SHEET | TOTAL |
| P.1 | P.11 |

UNI WARNER ROAD IMPROVEMENTS

MODEL: Sheet_SurvFt_PAPER SIZE: 34x22 (in.) DATE: 5/22/2024 TIME: 3:24:34 PM USER: Thomask
 S:\MAS\7200-7299\7281\001\Drawings\CAD\Warner Road\400-Engineering\Signals\Sheets\Warner Road_CB001.dgn

PROJECT CONTROL INFORMATION

| NAME | NORTHING | EASTING | ELEV. | DESCRIPTION |
|-------|------------|-------------|---------|-------------------|
| CP-8 | 166708.939 | 1772921.123 | 940.633 | CONTROL POINT SET |
| CP-9 | 166983.460 | 1773621.167 | 937.910 | CONTROL POINT SET |
| CP-10 | 167364.467 | 1774267.185 | 938.835 | CONTROL POINT SET |
| BM-3 | 167384.117 | 1774267.022 | 939.267 | BENCHMARK FOUND |



SCHEMATIC PLAN

| | |
|---------------|------------------------------------|
| DESIGN AGENCY | SA STRAND ASSOCIATES* |
| DESIGNER | TMK |
| REVIEWER | JDH 05/23/24 |
| PROJECT ID | N/A |
| SHEET | P.2 |
| TOTAL | P.11 |

POWER SUPPLY FOR TRAFFIC SIGNALS

ELECTRIC POWER SHALL BE OBTAINED FROM THE POWER POLE AT THE LOCATION INDICATED ON THE PLANS. POWER SUPPLIED SHALL BE 120 VOLTS.

WORK INSPECTION

THE CONTRACTOR SHALL PROVIDE THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER WITH 72-HOUR NOTICE OF ANY SIGNAL WORK TO BE PERFORMED AT THE INTERSECTION SITE(S) SO THAT INSPECTION SERVICES CAN BE SUPPLIED.

GUARANTEE

THE CONTRACTOR SHALL GUARANTEE THAT THE TRAFFIC CONTROL SYSTEM INSTALLED AS PART OF THIS CONTRACT SHALL OPERATE SATISFACTORILY FOR A PERIOD OF 90 DAYS FOLLOWING COMPLETION OF THE 10-DAY PERFORMANCE TEST. IN THE EVENT OF UNSATISFACTORY OPERATION, THE CONTRACTOR SHALL CORRECT FAULTY INSTALLATIONS, MAKE REPAIRS AND REPLACE DEFECTIVE PARTS WITH NEW PARTS OF EQUAL OR BETTER QUALITY.

EQUIPMENT, MATERIAL AND LABOR COSTS INCURRED IN CORRECTING AN UNSATISFACTORY OPERATION SHALL BE BORNE BY THE CONTRACTOR.

THE GUARANTEE SHALL COVER THE FOLLOWING ITEMS OF THE TRAFFIC CONTROL SYSTEM: CONTROLLER, CABINET, UNINTERRUPTIBLE POWER SUPPLY, VEHICLE DETECTION EQUIPMENT, LED LAMP UNITS, NETWORK AND COMMUNICATION/ INTERCONNECT EQUIPMENT.

CUSTOMARY MANUFACTURER'S GUARANTEES FOR THE FOREGOING ITEMS SHALL BE TURNED OVER TO THE STATE OR THE MAINTAINING AGENCY FOLLOWING ACCEPTANCE OF THE EQUIPMENT.

THE COST OF GUARANTEEING THE TRAFFIC CONTROL SYSTEM WILL BE INCIDENTAL TO AND INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS ITEMS MAKING UP THE SYSTEM.

GROUNDING AND BONDING

THE REQUIREMENTS OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS (C&MS) AND THE TC SERIES OF STANDARD CONSTRUCTION DRAWINGS ARE MODIFIED AS FOLLOWS:

1. ALL METALLIC PARTS CONTAINING ELECTRICAL CONDUCTORS SHALL BE PERMANENTLY JOINED TO FORM AN EFFECTIVE GROUND FAULT CURRENT PATH BACK TO THE GROUNDED CONDUCTOR IN THE POWER SERVICE DISCONNECT SWITCH.
 - A. PROVIDE AN EQUIPMENT GROUNDING CONDUCTOR IN METALLIC CONDUITS (725.04) IN ADDITION TO THE CONDUCTORS SPECIFIED AND BOND THE CONDUIT TO THIS GROUNDING CONDUCTOR.
 - B. WHEN AN EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED IN PLASTIC CONDUIT (725.05), THE INSTALLATION SHALL INCLUDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN ADDITION TO THE CONDUCTORS SPECIFIED.

GROUNDING AND BONDING (CONT.)

- C. METALLIC CONDUIT CARRYING THE LOOP WIRES FROM IN THE PAVEMENT TO THE PULL BOX SPLICE LOCATION WILL ONLY BE BONDED AT THE PULL BOX END, AND WILL NOT CONTAIN AN EQUIPMENT GROUNDING CONDUCTOR.
 - D. IF MULTIPLE CONDUIT RUNS BEGIN AND END AT THE SAME POINTS, ONLY ONE EQUIPMENT GROUNDING CONDUCTOR IS REQUIRED.
 - E. IF AN EQUIPMENT GROUNDING CONDUCTOR IS NEEDED IN CONDUIT BETWEEN SIGNALIZED INTERSECTIONS FOR UNDERGROUND INTERCONNECT CABLE, THE GROUNDING SYSTEM FOR EACH SIGNALIZED INTERSECTION WILL BE SEPARATED ABOUT MIDWAY BETWEEN THE INTERSECTIONS.
 - F. THE MESSENGER WIRE AT SIGNALIZED INTERSECTIONS WILL BE USED AS THE CONDUCTIVE PATH FROM CORNER TO CORNER IF CONDUIT IS NOT PROVIDED UNDER THE ROADWAY. WHEN CONDUIT CONNECTS THE CORNERS OF AN INTERSECTION, AN EQUIPMENT GROUNDING CONDUCTOR SHALL BE USED IN THE CONDUIT.
2. CONDUITS.
- A. THE 725.04 CONDUIT SHALL HAVE GROUNDING BUSHINGS INSTALLED AT ALL TERMINATION POINTS. THE BUSHING MATERIAL SHALL BE COMPATIBLE WITH GALVANIZED STEEL CONDUIT AND THE GROUNDING LUG MATERIAL SHALL BE COMPATIBLE FOR USE WITH COPPER WIRE. THREADED OR COMPRESSION TYPE BUSHINGS MAY BE USED.
 - B. THE 725.05 CONDUIT SHALL HAVE THE INSIDE AND OUTSIDE DIAMETERS OF THE CONDUIT DEBURRED AT ALL TERMINATION POINTS.
 - C. BOTH ENDS OF METALLIC CONDUIT SHALL BE BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
 - D. METALLIC CONDUIT MAY BE BONDED TO METALLIC BOXES THROUGH THE USE OF CONDUIT FITTINGS UL APPROVED FOR THIS TYPE OF CONNECTION, WITH THE BOX BONDED TO THE EQUIPMENT GROUNDING CONDUCTOR.
3. WIRE FOR GROUNDING AND BONDING.
- A. USE INSULATED, COPPER WIRE FOR THE EQUIPMENT GROUNDING CONDUCTOR. BONDING JUMPERS IN BOXES AND ENCLOSURES MAY BE BARE OR INSULATED COPPER WIRE. WIRE SIZE SHALL BE AS FOLLOWS:
 - I. USE 4 AWG BETWEEN THE POWER SERVICE AND SUPPORTS, POLES, PEDESTALS, CONTROLLER OR FLASHER CABINETS.
 - II. USE A MINIMUM 8 AWG BETWEEN LOOP DETECTOR PULL BOXES AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
 - III. USE A MINIMUM 8 AWG BETWEEN THE "PREPARE TO STOP WHEN FLASHING" INSTALLATION (INCLUDING SUPPORT) AND THE FIRST CONDUIT THAT REQUIRES A LARGER SIZE AS SPECIFIED IN 3.A.I ABOVE.
 - IV. THE INSULATION SHALL BE GREEN OR GREEN WITH YELLOW STRIPE(S). FOR 4 AWG OR LARGER, INSULATION MAY ALSO BE BLACK WITH GREEN TAPE/LABELS INSTALLED AT ALL ACCESS POINTS.

GROUNDING AND BONDING (CONT.)

- B. IN A HIGHWAY LIGHTING SYSTEM, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE THE SAME WIRE SIZE AS THE DUCT CABLE OR DISTRIBUTION CABLE CIRCUIT CONDUCTORS, WITH THE MINIMUM CONDUCTOR SIZE OF 4 AWG. BONDING JUMPERS WILL BE MINIMUM SIZE 4 AWG.
4. GROUND ROD.
- A. A 3/4-INCH SCHEDULE 40 PVC CONDUIT WILL BE USED IN FOUNDATIONS AND CONCRETE WALLS FOR THE GROUNDING CONDUCTOR (GROUND WIRE) RACEWAY TO THE GROUND ROD. SHOULD METALLIC CONDUIT BE USED, BOTH ENDS OF THE CONDUIT SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
 - B. THE TYPICAL GROUNDING CONDUCTOR (GROUND WIRE) SHALL BE 4 AWG INSULATED, COPPER.
5. THE GREEN CONDUCTOR IN SIGNAL CABLES (CONDUCTOR #4) SHALL NOT BE USED TO SUPPLY POWER TO A SIGNAL INDICATION. IT WILL BE CONNECTED TO THE SIGNAL BODY AS AN EQUIPMENT GROUND IN ALUMINUM HEADS AND IT WILL BE UNUSED IN PLASTIC HEADS. UNUSED CONDUCTORS SHALL BE GROUNDED IN THE CABINET. TYPICAL USE OF CONDUCTORS IS AS FOLLOWS:
- | COND. NO. | COLOR | VEHICLE SIGNAL | PEDESTRIAN SIGNAL |
|-----------|-------------|---------------------|-------------------|
| 1 | BLACK | GREEN BALL | #1 WALK |
| 2 | WHITE | AC NEUTRAL | AC NEUTRAL |
| 3 | RED | RED BALL | #1 DW/FDW |
| 4 | GREEN | EQUIPMENT GROUND | EQUIPMENT GROUND |
| 5 | ORANGE | YELLOW BALL | #2 DW/FDW |
| 6 | BLUE | GREEN ARROW | #2 WALK |
| 7 | WHITE/BLACK | STRIPE YELLOW ARROW | NOT USED |
6. POWER SERVICE AND DISCONNECT SWITCH.
- A. AT THE POWER SERVICE LOCATION, THE GROUNDING CONDUCTOR (GROUND WIRE) FROM THE DISCONNECT SWITCH NEUTRAL (AC-) BAR TO THE GROUND ROD SHALL BE A CONTINUOUS, UNSPLICED CONDUCTOR. IF SPLICED, IT SHALL BE AN EXOTHERMIC WELD BUTT SPLICE.
 - B. THE SERVICE NEUTRAL (AC-) SHALL ONLY BE CONNECTED TO GROUND AT THE PRIMARY POWER SERVICE DISCONNECT SWITCH.
 - I. NEMA CONTROLLER CABINETS: IF A POWER SERVICE DISCONNECT SWITCH IS LOCATED BEFORE THE CONTROLLER CABINET, THE NEUTRAL (AC-) AND THE GROUNDING BARS IN THE CONTROLLER CABINET SHALL NOT BE CONNECTED TOGETHER AS SHOWN IN NEMA TS-2, FIGURE 5-4.
 - II. IF SECONDARY DISCONNECT SWITCHES ARE CONNECTED AFTER THE PRIMARY DISCONNECT SWITCH, THE NEUTRAL (AC-) SHALL ONLY BE GROUNDED AT THE PRIMARY SWITCH. EQUIPMENT GROUNDING CONDUCTORS SHALL BE BROUGHT TO THE PRIMARY SWITCH, BUT SHALL BE GROUNDED AT BOTH SECONDARY AND PRIMARY SWITCHES.
7. PAYMENT - ALL MATERIALS AND WORK REQUIRED TO COMPLETE THE EFFECTIVE GROUND FAULT CURRENT PATH SYSTEM ARE INCIDENTAL TO THE CONDUCTORS INSTALLED BY CONTRACT.

632 SIGNAL SUPPORT FOUNDATION

PRIOR TO ORDERING THE SIGNAL SUPPORTS, THE CONTRACTOR SHALL CONTACT OUPS TO HAVE ALL THE UTILITIES LOCATED IN THE FIELD. THEN THE CONTRACTOR SHALL MEET THE PROJECT ENGINEER TO LOCATE THE PROPOSED SUPPORT LOCATIONS TO INSURE THERE ARE NO CONFLICTS WITH UTILITIES. IF THERE ARE ISSUES, THE PROJECT ENGINEER SHALL PROVIDE GUIDANCE AS TO THE RELOCATION OF THE SUPPORTS.

DUE TO THE FURTHER POSSIBILITY OF CONFLICT WITH EXISTING OR PROPOSED UNDERGROUND OBSTRUCTIONS (INCLUDING THE POSSIBILITY OF UNRECORDED OBSTRUCTIONS) WHICH COULD AFFECT THE LOCATION OF THE FOUNDATION FOR THIS ITEM, AND CONSEQUENTLY, THE DESIGN OF THE SUPPORT AND/OR ARMS, THE CONTRACTOR SHALL NOT PLACE FINAL ORDERS FOR THE ITEM UNTIL THE FOUNDATIONS HAVE BEEN INSTALLED, AT FINAL GRADE, AND THE CONTRACTOR HAS RECEIVED, FROM ENGINEER, WRITTEN NOTICE TO PROCEED WITH THE ORDERS FOR THE ITEM.

IF ANY FOUNDATION LOCATIONS MUST BE ADJUSTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND MAINTAINING AGENCY, WHO WILL DETERMINE THE REVISED LOCATION AND IF NEEDED, THE SUPPORT DESIGN. THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR DETERMINING THE REVISED DESIGN. THE ENGINEER WILL INFORM THE CONTRACTOR OF ANY CHANGES NECESSARY AND AUTHORIZE THE CONTRACTOR TO ORDER THE SUPPORT.

THE CONTRACTOR SHALL, WHEN DEVELOPING THE PROGRESS SCHEDULE, AND THOSE OF SUBCONTRACTORS, ENSURE THAT THE FOUNDATIONS ARE INSTALLED AT THE EARLIEST TIME AS IS FEASIBLE AND PRACTICAL, AND SHALL INCLUDE SUFFICIENT TIME IN THE PROGRESS SCHEDULE FOR ORDERING, MANUFACTURING, DELIVERY, AND INSTALLATION OF THE SUPPORT ITEMS AFTER THE FOUNDATIONS ARE IN PLACE.

NO PAYMENTS FOR DELIVERED MATERIALS FOR THE FOUNDATION OR SUPPORT ITEMS SHALL BE MADE UNTIL THE FOUNDATIONS ARE IN PLACE, AND IF CHANGES IN THE DESIGN OF THIS ITEM ARE REQUIRED, NO PAYMENT SHALL BE MADE FOR THE ITEMS MANUFACTURED TO THE ORIGINAL DESIGN.

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE AND WILL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND OTHER INCIDENTALS NECESSARY FOR EACH SUPPORT FURNISHED, IN PLACE, COMPLETE AND ACCEPTED.

SIGNAL ITEMS, VARIOUS, AS PER PLAN

THE FOLLOWING ITEMS HAVE BEEN ACQUIRED BY THE UNION COUNTY ENGINEER'S OFFICE PRIOR TO THE ADVERTISEMENT OF THIS PROJECT. PAYMENT FOR ALL ITEMS SHALL INCLUDE OBTAINING EACH ITEM FROM THE UNION COUNTY ENGINEER'S OFFICE, (ADDRESS TO BE PROVIDED BY ENGINEER), MARYSVILLE, OHIO, TRANSPORTING TO PROJECT SITE, AND ALL LABOR AND INCIDENTAL MATERIALS NECESSARY FOR INSTALLATION PER THE SPECIFICATIONS.

| ITEM | QUANTITY |
|--|----------|
| 632 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12 | 3 EA |
| 632 SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14 | 1 EA |
| 632 SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 39' IN LENGTH) | 1 EA |

*See supplemental sheets for details

DESIGN AGENCY



| | |
|------------|----------|
| DESIGNER | TMK |
| REVIEWER | JDH |
| PROJECT ID | 05/23/24 |
| | N/A |
| SHEET | TOTAL |
| P.3 | P.11 |

SIGNAL ACTIVATION

PRIOR TO ACTIVATING THE NEW TRAFFIC SIGNAL TO STOP-AND-GO MODE AND/OR REMOVING THE EXISTING TRAFFIC SIGNAL FROM SERVICE, ALL ITEMS IN THE PROPOSED SIGNAL PLAN SHALL BE FULLY COMPLETED, (I.E., VEHICLE DETECTION, PEDESTRIAN SIGNAL HEADS, ETC.) IF THERE ARE CONSTRUCTABILITY ISSUES (I.E., ROADWAY WIDENING, ETC.) THAT PREVENT THE SIGNAL FROM BEING COMPLETED PRIOR TO ACTIVATION, IT SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER. THE DISTRICT TRAFFIC ENGINEER WILL THEN REVIEW, APPROVE OR REJECT PROPOSALS TO ACTIVATE THE TRAFFIC SIGNAL PRIOR TO COMPLETION.

THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AND DISTRICT TRAFFIC ENGINEER AT LEAST 10 WORKING DAYS PRIOR TO SCHEDULING THE FINAL INSPECTION OF THE SIGNAL INSTALLATION. FINAL INSPECTION IS NOT CONSIDERED COMPLETE UNTIL DESIGNATED DISTRICT TRAFFIC PERSONNEL INSPECT THE TRAFFIC SIGNAL AND ISSUE WRITTEN APPROVAL. IF ISSUES ARE FOUND DURING THE FINAL INSPECTION THAT EFFECT THE SAFETY OF THE TRAVELING PUBLIC AND/OR THE EFFICIENCY OF THE INTERSECTION, THE SIGNAL SHALL NOT BE ACTIVATED ON THE PROPOSED DATE. ANY PUNCH LIST ITEMS THAT ARE FOUND SHALL BE CORRECTED AND REINSPECTED BY DISTRICT TRAFFIC PERSONNEL PRIOR TO FINAL ACCEPTANCE. ODOT FORCES SHALL ONLY ASSUME DAY TO DAY MAINTENANCE OF THE TRAFFIC SIGNAL AFTER FINAL WRITTEN ACCEPTANCE HAS BEEN ISSUED.

ITEM 632, VEHICULAR SIGNAL HEAD, (LED), BLACK, BY TYPE, (WITH BACKPLATE), AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS 632 AND 732, THE FOLLOWING REQUIREMENTS SHALL APPLY:

1. SIGNAL HEADS AND VISORS SHALL BE CONSTRUCTED OF BLACK POLYCARBONATE PLASTIC WITH VISORS AS SPECIFIED AND MEET ITE SPECIFICATIONS
2. PROPER EXTERIOR COLORS SHALL BE OBTAINED BY USE OF COLORED PLASTIC MATERIAL RATHER THAN PAINTING
3. ALL UPPER SIGNAL SUPPORT HARDWARE AND PIPING UP TO AND INCLUDING THE WIRE INLET FITTING SHALL BE FERROUS METAL
4. THE ENTRANCE FITTING SHALL BE OF THE TRI-STUD DESIGN WITH SERRATED RINGS IN ORDER TO ACHIEVE POSITIVE LOCKING
5. ALL SIGNAL HEADS SHALL BE RIGIDLY MOUNTED TO THE MAST ARM WITH THE (YELLOW) MODULE LOCATED IN FRONT OF THE MAST ARM
6. ALUMINUM BACKPLATES SHALL BE IN ACCORDANCE WITH THE C&MS 732.22 AND INCLUDE A FLOURESCENT YELLOW REFLECTIVE BORDER
7. THE LIGHT EMITTING DIODE (LED) MODULES SHALL MEET THE REQUIREMENTS OF C&MS 732.04-C. THE CONTRACTOR SHALL PROVIDE THE UNION COUNTY ENGINEER, IN WRITING, WITH THE LED MANUFACTURER NAME, 400 TRAFFIC SIGNALS TRAFFIC ENGINEERING MANUAL (JULY 21, 2017) OCTOBER 23, 2002 4-77 SERIAL NUMBER, PART NUMBER, DESCRIPTION OF LAMP, AND DATE OF MANUFACTURE FOR ALL LED UNITS THAT ARE TO BE USED IN THE SIGNAL HEAD PRIOR TO INSTALLATION, FOR ACCEPTANCE AND WARRANTY PURPOSES
8. SIGNAL HEADS SHALL HAVE A MINIMUM WALL THICKNESS OF 0.117 INCHES
9. SIGNAL HEADS SHALL INCLUDE CUTAWAY TYPE VISORS UNLESS OTHERWISE SPECIFIED IN THE PLANS
10. APPLY A BEAD OF SILICONE TO THE SIGNAL HEAD, WASHER, AND ENTRANCE ADAPTER SERRATIONS TO PREVENT WATER INTRUSION. ALSO, FILL THE SPACE BETWEEN CONCENTRIC SERRATION RINGS ON TOP OF THE SIGNAL HEAD TO COMPLETELY EXCLUDE WATER FROM THE SPACE BETWEEN THE CONCENTRIC RINGS
11. BALANCE ADJUSTERS SHALL NOT BE USED ON ONE-WAY HEADS OR TETHERED HEADS

PAYMENT FOR ITEM 632 VEHICULAR SIGNAL HEAD, LED, BLACK (BY TYPE), WITH BACKPLATE, AS PER PLAN SHALL BE MADE FOR COMPLETE SIGNAL HEAD FUNISHED AND INSTALLED, INCLUDING ALL LABOR, EQUIPMENT, MATERIALS, AND NEW ATTACHMENT HARDWARE

ITEM 633, CONTROLLER UNIT TS2/A2, WITH CABINET, TYPE TS-2, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 633 AND 733, THE CONTROLLER AND CABINET SHAL PROVIDE THE FOLLOWING FEATURES:

1. THE SIGNAL CONTROLLER, CONFLICT MONITORS, TERMINAL FACILITIES AND LOAD SWITCHES SHALL BE FROM THE SAME SUPPLIER. ALL LOAD SWITCHES AND INTERFACE RELAYS SHALL BE FURNISHED WITH INPUT/ OUTPUT SIDE LEDS. THE CONTROLLERS AND CABINETS SUPPLIED SHALL BE CAPABLE OF COMPLETE TACTICS SYSTEM OPERATION.
2. THE CONTROLLER SUPPLIED SHALL BE EAGLE TRAFFIC CONTROL SYSTEMS EPAC300 SERIES MODEL M60 (LINUX BASED) WITH AN INTERNAL FIBER OPTICS COMMUNICATIONS MODEM, OR APPROVED EQUAL AND PROVIDED WITH OTHER EQUIPMENT AS NECESSARY FOR FULL FIBER OPTIC COMMUNICATIONS. THE CABINETS SHALL BE WIRED FOR THE PROPOSED PHASING SHOWN ON THE PLANS AND SHALL BE CAPABLE OF USING ALL PHASES OF THE CONTROLLER WITH THE ADDITION OF LOOP DETECTORS AND FIELD WIRING.
3. THE CONTROLLER CABINET SHALL BE A P-58UPS (SIEMENS/EAGLE SIZE SUPER P-UPS CABINET CATALOG NUMBER ELS1014) DOUBLE DOOR CONTROLLER AND BATTERY BACKUP ENCLOSURE TYPE CABINET OR APPROVED EQUAL. THE CONTROLLER DOOR SHALL BE FURNISHED WITH HINGES ALONG THE LEFT HAND SIDE OF THE DOOR. THE BATTERY BACKUP DOOR SHALL BE FURNISHED WITH HINGES ALONG THE RIGHT HAND SIDE OF DOOR. THE CABINET SHALL PROVIDE A SINGLE ENCLOSURE TO HOUSE THE CONTROLLER (WITH ALL ACCESSORIES) AND THE COMPLETE BATTERY BACKUP SYSTEM WITH EACH COMPARTMENT ACCESSIBLE BY A SEPERATE DOOR.

ITEM 633, EMERGENCY VEHICLE PREEMPTION, AS PER PLAN

THE CONTRACTOR SHALL FURNISH AND INSTALL A FULLY FUNCTIONING OPTICOM GPS BASED PRIORITY CONTROL SYSTEM MANUFACTURED BY GLOBAL TRAFFIC TECHNOLOGIES (GTT) AT THE PROPOSED INTERSECTION. THE OPTICOM SYSTEM SHALL BE COMPATIBLE WITH THE EXISTING EMERGENCY VEHICLE PREEMPTION SYSTEM CURRENTLY USED WITHIN THE CITY OF DUBLIN AND JEROME TOWNSHIP/WASHINGTON TOWNSHIP FIRE DEPARTMENTS.

CONFIRMATION LIGHTS SHALL BE FURNISHED AND INSTALLED FOR NORTHBOUND AND SOUTHBOUND TRAFFIC WITH THE ANTENNA COMPONENT OF THE SYSTEM. OPTICOM CABLE SHALL BE CONTINUOUS WITH NO SPLICES BETWEEN THE CONTROLLER CABINET AND THE CONFIRMATION LIGHTS. PAYMENT FOR THE OPTICOM CABLE SHALL BE CONSIDERED PART OF THIS ITEM.

PAYMENT FOR THIS ITEM OF WORK SHALL BE AT THE CONTRACT BID PRICE FOR ITEM 633 EMERGENCY VEHICLE PREEMPTION, AS PER PLAN AND SHALL INCLUDE FURNISHING, INSTALLING, TUNING, TESTING AND ACCEPTANCE OF THE OPTICOM SYSTEM. A "SYSTEM" SHALL BE CONSIDERED ALL OF THE EQUIPMENT NEEDED TO RENDER A FULLY FUNCTIONAL EMERGENCY VEHICLE PREEMPTION SYSTEM AT ONE INTERSECTION.

ITEM 633, CABINET FOUNDATION AND WORK PAD, AS PER PLAN

THIS ITEM SHALL CONSIST OF CONSTRUCTING A MODIFIED CONTROLLER CABINET FOUNDATION IN ACCORDANCE WITH ODOT STANDARD CONSTRUCTION DRAWING TC-83.20 AND ODOT CONSTRUCTION MATERIAL SPECIFICATIONS 633.10, 499, AND 511, EXCEPT THE FOUNDATION SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE BOTH THE SIGNAL CONTROLLER CABINET AND THE UPS BATTERY BACKUP CABINET.

ITEM 809, STOP BAR RADAR DETECTION, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ITEM 809 THE STOP BAR RADAR DETECTION UNIT SHALL BE WAVETRONIX MODEL WX-SS-225.

THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION, AND MAINTENANCE OF THE UNIT.

THE UNIT SHALL COME WITH A TWO YEAR MANUFACTURER SUPPLIED WARRANTY.

PRIOR TO PROGRAMMING, THE CONTRACTOR SHALL CONTACT UNION COUNTY SO THAT REPRESENTATIVES MAY BE PRESENT DURING THE PROGRAMMING OF THE UNIT.

PAYMENT SHALL BE MADE FOR EACH CMS ITEM 809, STOP BAR RADAR DETECTION SYSTEM, AS PER PLAN AND ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL RADAR DETECTION SYSTEM. A STOP BAR RADAR DETECTION SYSTEM SHALL INCLUDE ALL STOP BAR RADAR DETECTION UNITS SPECIFIED AT ONE INTERSECTION.

ITEM 809, DILEMMA ZONE RADAR DETECTION SYSTEM, AS PER PLAN
IN ADDITION TO THE REQUIREMENTS OF ITEM 809 THE ADVANCED RADAR DETECTION UNIT SHALL BE WAVETRONIX MODEL WX-SS-200E.

THE MANUFACTURER'S REPRESENTATIVE SHALL BE ON SITE DURING INSTALLATION AND TESTING AND SHALL PROVIDE ONSITE TRAINING ON THE SETUP, OPERATION, AND MAINTENANCE OF THE UNIT.

THE UNIT SHALL COME WITH A TWO YEAR MANUFACTURER SUPPLIED WARRANTY.

PRIOR TO PROGRAMMING, THE CONTRACTOR SHALL CONTACT UNION COUNTY SO THAT REPRESENTATIVES MAY BE PRESENT DURING THE PROGRAMMING OF THE UNIT.

PAYMENT SHALL BE MADE FOR EACH CMS ITEM 809, DILEMMA ZONE RADAR DETECTION SYSTEM, AS PER PLAN AND ALL REQUIRED CABINET HARDWARE, MOUNTING BRACKETS, CABLES, CONDUIT, CONNECTIONS TESTED AND ACCEPTED, AND ANY OTHER NECESSARY HARDWARE TO ESTABLISH A FULLY FUNCTIONAL RADAR DETECTION SYSTEM. A DILEMMA ZONE RADAR DETECTION SYSTEM SHALL INCLUDE ALL ADVANCED RADAR DETECTION UNITS SPECIFIED AT ONE INTERSECTION.

TESTING REQUIREMENTS

THE CONTRACTOR SHALL HAVE AN ELECTRONIC SHOP AND SHALL TEST ALL EQUIPMENT PRIOR TO INSTALLATION. THE ENGINEER SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF THE TESTS TO HAVE A REPRESENTATIVE AVAILABLE FOR OBSERVATION. TESTING OF THE CONFLICT MONITOR, COORDINATION MODULE, AND TBC/COORDINATION PANEL SHALL BE DONE BY THE CONTRACTOR BEFORE INSTALLING THESE ITEMS OF EQUIPMENT IN THE INTERSECTION CONTROLLER CABINETS. SOFTWARE AND FIRM WARE SHALL BE LOADED ON THE CONTROLLER AND CHECKED FOR CORRECT OPERATION OF TIMING PLANS, PHASING SCHEMES, PREEMPTS AND INTERCONNECTED OPERATION.

TESTING REQUIREMENTS (CONT'D)

TESTING OF COMPONENTS BY THE CONTRACTOR FOR PROPER OPERATION SHALL INCLUDE THE FOLLOWING MINIMUM REQUIREMENTS:

1. TERMINAL SCREWS TIGHTENED
2. CORRECT TERMINAL JUMPERS
3. FAN AND THERMOSTAT OPERATION
4. DOOR CLOSER SWITCH OPERATION
5. CONFLICT MONITOR TEST
6. FORCE HARDWIRE CONFLICTS FOR ALL PHASE COMBINATIONS TO VERIFY STOP TIMING AND CONFLICT INDICATION
7. GFI RECEPTACLE TEST
8. POLICE PANEL OPERATION
9. MAINTENANCE PANEL OPERATION
10. DETECTORS
11. TEST FOR PHASE OPERATION, SEQUENCE AND INTERVAL LENGTH OF MIN RECALL, MAX RECALL AND NO CALL
12. SHELVES MOUNTING
13. ALL PANELS, MOUNTING
14. ATSI CONFLICT MONITOR TEST TO DOCUMENT THE CONFLICT MONITOR OPERATION. THE TEST RESULTS ARE TO BE LOGGED AND FURNISHED TO THE ENGINEER
15. PROPER FLASH SEQUENCE
16. AUXILIARY EQUIPMENT OPERATION
17. CABINET LAMP
18. SIGNAL OUTPUT ARE TO BE TESTED WHILE CONNECTED TO A MIN 60 WATT LOAD ON EACH SIGNAL INDICATION
19. PREEMPTION
20. CONTROLLER AND CABINET DIAGNOSTIC TESTS USING FURNISHED SOFTWARE AND EQUIPMENT

REPAIRS/CORRECTIONS, IF REQUIRED, SHALL BE MADE BY THE CONTRACTOR AND RECORDED BEFORE INSTALLATION. THE ENGINEER SHALL ALSO BE NOTIFIED OF ANY PROBLEMS. THE COONTROLLER IS TO OPERATE WITHOUT THE APPEARANCE OF PROBLEMS ON MINIMUM RECOIL OF ALL MINOR PHASES FOR 48 HOURS WITH FULL LOAD ON EACH OUTPUT. (NOTE THAT TESTING ALSO REQUIRES OPERATION WITH DETECTORS IN A NO CALL AND CALL TO MAXIMUM CONFIGURATION)

A WRITTEN REPORT STATING THE CABINET INTERSECTION NUMBER, DATE AND TIME OF TEST, SIGNED OFF BY THE TECHNICIAN WHO PERFORMED THE TESTS, SHALL BE SUBMITTED TO THE ENGINEER UPON SUCCESSFUL COMPLETION OF THE ABOVE TESTS. THE SUCCESSFUL TESTING SHALL BE DEMONSTRATED TO THE ENGINEER PRIOR TO INSTALLATION IF REQUESTED.

THE CONTROLLER AND ALL RELATED COMPONETS SHALL BE IN PERFECT WORKING ORDER AND READY FOR INSTALLATION/OPERATION AT THE SPECIFIED INTERSECTION AS A RESULT OF THE WORK DESCRIBED IN THIS ITEM. THE COST FOR THE CONTROLLER AND CABINET TESTING SHALL BE INCLUDED IN THE PRICE OF THE CONTROLLER FURNISHED.

TEN-DAY TEST REQUIREMENTS

A 10 DAY TEST MUST BE COMPLETED AFTER THE INSTALLATION IS 100 PERCENT COMPLETE. NO PARTIAL TESTS WILL BE CONDUCTED. THE CONTRACTOR SHALL SUBMIT A WRITTEN REQUEST TO UNION COUNTY STATING THAT THE SIGNAL INSTALLATION IS 100 PERCENT COMPLETED AND A START DATE FOR THE TEN DAY TEST IS REQUESTED. IF LESS THAN 100 PERCENT COMPLETION IS DETECTED UPON INSPECTION BY THE COUNTY OR ANY MAJOR MALFUCTION (CONTROLLER, DETECTION, ETC.) IS DETECTED, THEN THE TEN-DAY SHALL BE COMPLETELY RESTARTED.

CONTRACTOR PERSONNEL REQUIREMENTS

SIGNAL CONSTRUCTION PERSONNEL SHALL MEET THE REQUIREMENTS OF ODOT SUPPLEMENT 1063.

DESIGN AGENCY



DESIGNER

TMK

REVIEWER

JDH 05/23/24

PROJECT ID

N/A

SHEET TOTAL

P.4 P.11

**633 UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT,
AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF C&MS 633 AND 733, POLE ATTACHMENT HARDWARE WILL BE INCLUDED FOR POLE-MOUNTED CABINETS, AND A CABINET RISER (8-INCH MINIMUM) AND ANCHOR BOLTS WILL BE PROVIDED FOR BASE-MOUNTED CABINETS. BEFORE PERFORMING THE WORK, THE CONTRACTOR, THE DISTRICT TRAFFIC ENGINEER AND THE PROJECT ENGINEER WILL PERFORM A SITE INSPECTION TO ESTABLISH THE LOCATION OF THE UPS CABINET AND FOUNDATION.

THE UPS CABINET SHALL INCLUDE A GENERATOR POWER PANEL WITH A HEAVY-DUTY POWER RELAY VERSUS THE LINE VOLTAGE GENERATOR SWITCH. THE GENERATOR INLET SHALL BE A RECESSED PANEL WITH A DOOR THAT IS FLUSH WITH THE EXTERNAL SIDE OF THE UPS CABINET. IT SHALL INCLUDE A RECESSED PLUG, AUTOMATIC TRANSFER SWITCH AND A DOOR THAT SECURELY CLOSES OVER THE POWER CORD.

THE CABINET SHALL HAVE A DOOR STOP MECHANISM AND THERMOSTATICALLY CONTROLLED FAN. ADDITIONALLY, THE CABINET SHALL BE BUILT WITH ALL BATTERIES ALWAYS BELOW THE INVERTER TO AVOID POTENTIAL FURTHER BATTERY LEAKAGE ISSUES.

THE CABINET SHALL INCLUDE A BATTERY BALANCING DEVICE THAT REGULATES THE BATTERIES AND OPTIMIZES PERFORMANCE.

AFTER FOUR (4) HOURS OF BATTERY RUNTIME, THE SYSTEM SHALL BE PROGRAMMED TO SWITCH THE INTERSECTION FROM FULL OPERATION TO CONTROLLER AUTOMATIC FLASH OPERATION THROUGH THE MONITOR. THE CONTROLLER SHALL BE PROGRAMMED SO THAT FLASH OPERATION SHALL BEGIN ONCE THE INTERSECTION RUNS MINOR STREET GREEN (TYP. PH. 4 & 8), ALL-RED CLEARANCE, AND THEN FLASH OPERATION.

THE UPS OUTPUT NOTIFICATIONS FOR ON BATTERY, BATTERY 2-HOUR TIMER, AND LOW BATTERY SHALL BE WIRED INTO THE TRAFFIC SIGNAL CABINET BACK PANEL OR THROUGH THE CONTROLLER WITH A C11 TO PROVIDE SPECIAL STATUS ALARMS FOR EACH OUTPUT INTO THE SIGNAL CONTROLLER.

THIS ITEM SHALL INCLUDE A RED LED STATUS INDICATOR LAMP TO ALLOW MAINTENANCE PERSONNEL AND LAW ENFORCEMENT TO QUICKLY ASSESS WHETHER A TRAFFIC SIGNAL CABINET IS BEING POWERED BY A UPS. THE LED HOUSING SHALL BE NEMA 4X, IP65 OR IP66, RATED FOR OUTDOOR USE AND BE TAMPER/SHATTER RESISTANT. IT SHALL BE A DOMED ENCLOSURE CONTAINING A RED LENS WITH LED THAT IS VISIBLE FROM 100 FOOT MINIMUM. THE ENCLOSURE AND LED MODULE SHOULD BE PLACED ON THE SIDE OF THE UPS CABINET FACING TOWARDS THE MAINLINE ROADWAY AND SEALED FROM WATER INTRUSION. IT SHOULD BE WIRED USING MINIMUM 20GA STRANDED, INSULATED HOOKUP WIRE TO THE STATUS RELAY OUTPUTS OF THE UPS. THE WIRES SHALL BE TERMINATED BY LUGS AT THE DISPLAY END AND PERMANENTLY LABELED "BACKUP POWER STATUS DISPLAY," WITH WIRE POLARITY INDICATED. THE RED LED SHALL ONLY ILLUMINATE TO INDICATE THE CABINET IS OPERATING UNDER UPS BACKUP POWER (THE "BACKUP" OPERATING CONDITION). THIS ITEM INCLUDES PROGRAMMING THE UPS STATUS RELAY OUTPUTS TO PRODUCE THE LAMP STATUS DISPLAYS. THESE STATUS DISPLAYS WILL BE SOLID 100% DUTY CYCLE (NOT FLASHING) DISPLAYS. THE OPERATING VOLTAGE OF THE LED LAMP SHALL BE 120V AC UNLESS OTHERWISE INDICATED.

TRANSITION TO SIGNAL CONTROL

THE CONTRACTOR SHALL NOTIFY UNION COUNTY FORTY-EIGHT HOURS PRIOR TO THE SIGNAL TURN-ON. THE TURN-ON SHALL NOT BEGIN UNTIL REPRESENTATIVES FROM THE COUNTY AND THE CONTRACTOR ARE ON-SITE TO OBSERVE THE TURN-ON. THE SIGNAL INSTALLATION SHALL BE PLACED ON FLASH FOR SEVEN DAYS PRIOR TO THE START-UP AND TESTING.

NEW SIGNALS SHALL FLASH FOR SEVEN DAYS PRIOR TO BEING PLACED ON REGULAR CYCLING OPERATION. THE SIGNALS SHALL NOT BE PLACED ON FLASH UNTIL THE PERMANENT PAVEMENT MARKINGS AND LANE CONTROL SIGNS HAVE BEEN INSTALLED WITH THE EXCEPTION OF THE INTERSECTION STOP LINES. TEMPORARY PAVEMENT MARKINGS MAY BE USED IN LIEU OF PERMANENT MARKINGS IF THEY REFLECT THE PERMANENT PAVEMENT MARKING LAYOUT. THE STOP LINES SHALL BE IN PLACE PRIOR TO THE SIGNAL BEING PLACED ON REGULAR OPERATION.

STANDARD CONSTRUCTION DRAWING MT-120.00 BY THE OHIO DEPARTMENT OF TRANSPORTATION SHALL BE INVOKED FOR TRANSITION TO SIGNAL CONTROL.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THIS ITEM OF WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC, AS PER PLAN.

MAINTENANCE OF TRAFFIC SIGNAL / FLASHER INSTALLATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNALS WITHIN THE PROJECT UNDER THE FOLLOWING CIRCUMSTANCE:

1. NEW OR REUSED SIGNAL INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR: THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT, EXCEPT POLES AND CONTROL EQUIPMENT, SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

THE CONTRACTOR SHALL PROVIDE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

DESIGN AGENCY



DESIGNER

TMK

REVIEWER

JDH 05/23/24

PROJECT ID

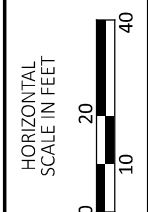
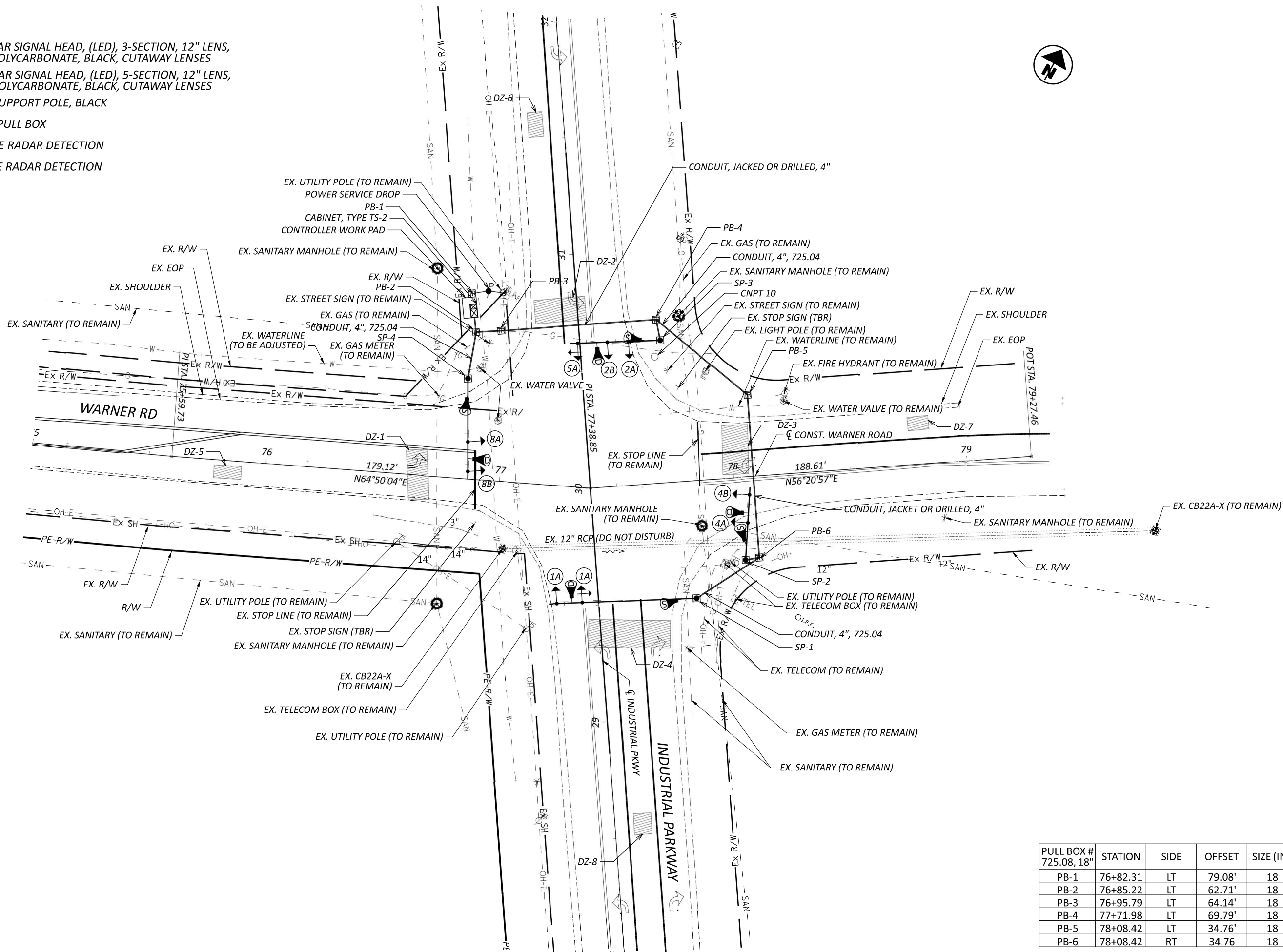
N/A

SHEET TOTAL

P.5 P.11

LEGEND

- ➔ VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1 WAY, POLYCARBONATE, BLACK, CUTAWAY LENSES
- ➔ VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1 WAY, POLYCARBONATE, BLACK, CUTAWAY LENSES
- SIGNAL SUPPORT POLE, BLACK
- ☐ TRAFFIC PULL BOX
- Ⓢ STOP LINE RADAR DETECTION
- Ⓛ ADVANCE RADAR DETECTION



SIGNAL PLANS
 WARNER ROAD AND INDUSTRIAL PARKWAY

| PULL BOX # | STATION | SIDE | OFFSET | SIZE (IN.) |
|-------------|----------|------|--------|------------|
| 725.08, 18" | | | | |
| PB-1 | 76+82.31 | LT | 79.08' | 18 |
| PB-2 | 76+85.22 | LT | 62.71' | 18 |
| PB-3 | 76+95.79 | LT | 64.14' | 18 |
| PB-4 | 77+71.98 | LT | 69.79' | 18 |
| PB-5 | 78+08.42 | LT | 34.76' | 18 |
| PB-6 | 78+08.42 | RT | 34.76' | 18 |

DESIGN AGENCY



DESIGNER

TMK

REVIEWER

JDH 05/23/24

PROJECT ID

N/A

SHEET TOTAL

P.6 P.11

UNI WARNER ROAD IMPROVEMENT

MODEL: Sheet_SurvFI_PAPER SIZE: 34x22 (in.) DATE: 6/12/2024 TIME: 11:51:35 AM USER: ThomasK
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| SHEET NUM. | | | | | | | | | | PART. | ITEM | ITEM | GRAND | UNIT | DESCRIPTION | SEE SHEET NO. |
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| P.6 | P.7 | | | | | | | | | A | EXT | TOTAL | | | | |
| | | | | | | | | | | | | | | | TRAFFIC CONTROL | |
| | 94.5 | | | | | | | | | 94.5 | 630 | 80100 | 94.5 | SF | SIGN, FLAT SHEET | |
| | 2 | | | | | | | | | 2 | 630 | 84900 | 2 | EACH | REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL | |
| | 65 | | | | | | | | | 65 | 644 | 00500 | 65 | FT | STOP LINE | |
| | | | | | | | | | | | | | | | TRAFFIC SIGNALS | |
| 134 | | | | | | | | | | 134 | 625 | 25600 | 134 | FT | CONDUIT, 4", 725.04 | |
| 136 | | | | | | | | | | 136 | 625 | 25900 | 136 | FT | CONDUIT, JACKED OR DRILLED, 4" | |
| 134 | | | | | | | | | | 134 | 625 | 29000 | 134 | FT | TRENCH | |
| 6 | | | | | | | | | | 6 | 625 | 30700 | 6 | EACH | PULL BOX, 725.08, 18" | |
| 6 | | | | | | | | | | 6 | 625 | 32000 | 6 | EACH | GROUND ROD | |
| 819 | | | | | | | | | | 819 | 632 | 40700 | 819 | FT | SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG | |
| 4 | | | | | | | | | | 4 | 632 | 64010 | 4 | EACH | SIGNAL SUPPORT FOUNDATION | |
| 40 | | | | | | | | | | 40 | 632 | 67200 | 40 | FT | POWER CABLE, 2 CONDUCTOR, NO. 8 AWG | |
| 48 | | | | | | | | | | 48 | 632 | 69400 | 48 | FT | SERVICE CABLE, 2 CONDUCTOR, NO. 8 AWG | |
| 1 | | | | | | | | | | 1 | 632 | 70000 | 1 | EACH | POWER SERVICE | |
| 3 | | | | | | | | | | 3 | 632 | 72131 | 3 | EACH | SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 12, AS PER PLAN | P.3 |
| 1 | | | | | | | | | | 1 | 632 | 72151 | 1 | EACH | SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN | P.3 |
| 7 | | | | | | | | | | 7 | 632 | 05006 | 7 | EACH | VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK, CUTAWAY LENSES | |
| 2 | | | | | | | | | | 2 | 632 | 05086 | 2 | EACH | VEHICULAR SIGNAL HEAD, (LED), 5-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, BLACK, CUTAWAY LENSES | |
| 1 | | | | | | | | | | 1 | 632 | 77233 | 1 | EACH | SIGNAL SUPPORT, MECHANICAL DAMPER FOR TC-81.21 MAST ARM (GREATER THAN 39' IN LENGTH), AS PER PLAN | P.3 |
| 1 | | | | | | | | | | 1 | 633 | 65510 | 1 | EACH | CABINET, TYPE TS-2 | |
| 1 | | | | | | | | | | 1 | 633 | 67100 | 1 | EACH | CABINET FOUNDATION | |
| 1 | | | | | | | | | | 1 | 633 | 67200 | 1 | EACH | CONTROLLER WORK PAD | |
| 4 | | | | | | | | | | 4 | 809 | 69001 | 4 | EACH | ADVANCE RADAR DETECTION, AS PER PLAN | P.4 |
| 4 | | | | | | | | | | 4 | 809 | 69101 | 4 | EACH | STOP LINE RADAR DETECTION, AS PER PLAN | P.4 |
| 4 | | | | | | | | | | 4 | 809 | 69201 | 4 | EACH | EMERGENCY VEHICLE PREEMPTION, AS PER PLAN | P.4 |
| | | | | | | | | | | | | | | | INCIDENTALS | |
| | | | | | | | | | | 1 | 614 | 11000 | 1 | LS | MAINTAINING TRAFFIC | |
| | | | | | | | | | | 1 | 623 | 10000 | 1 | LS | CONSTRUCTION LAYOUT STAKES AND SURVEYING | |
| | | | | | | | | | | 1 | 624 | 10000 | 1 | LS | MOBILIZATION | |

SIGNAL QUANTITIES

DESIGN AGENCY



DESIGNER

TMK

REVIEWER

JDH 05/23/24

PROJECT ID

N/A

SHEET TOTAL




P.7 P.11

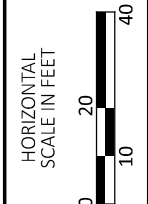
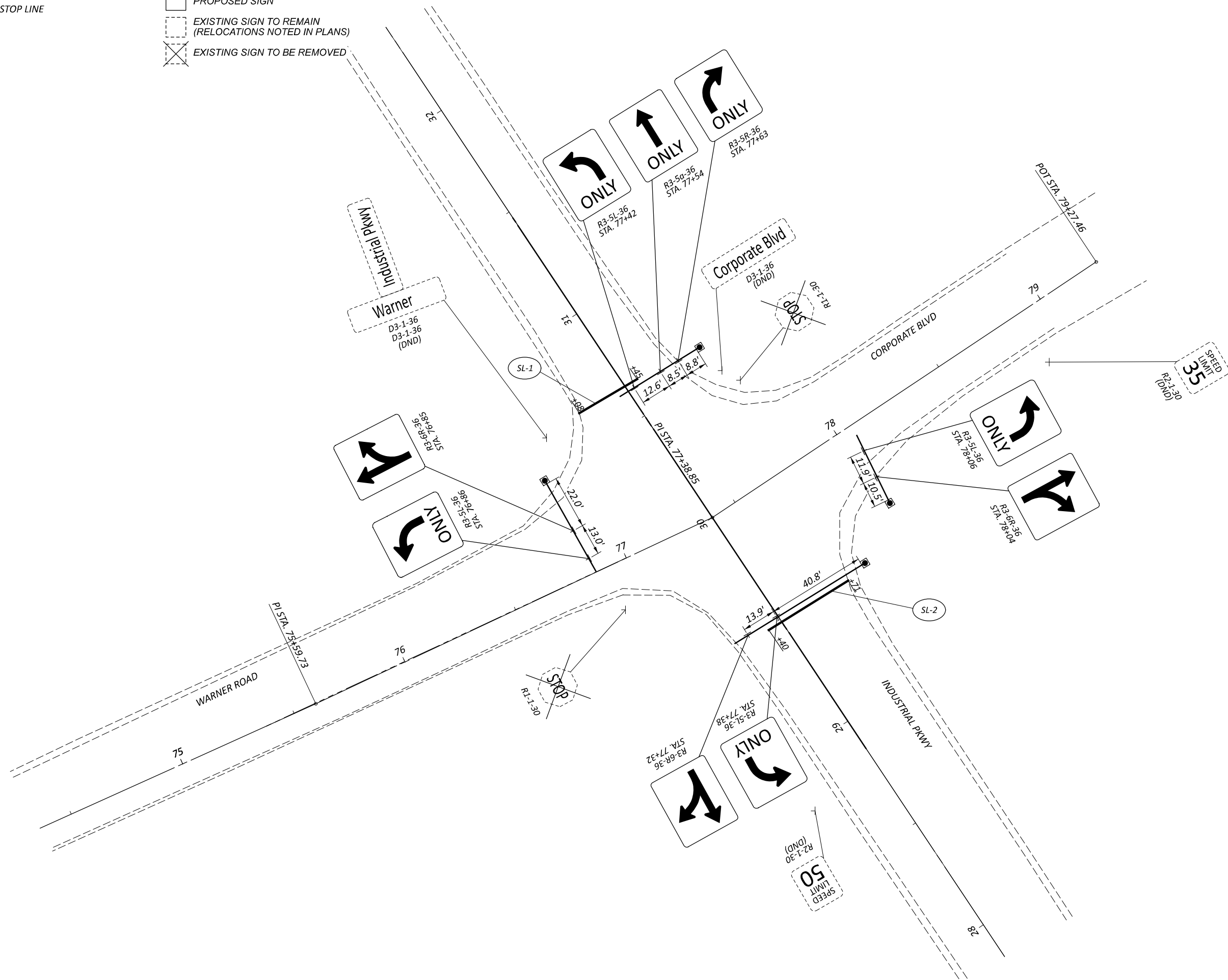
UNI WARNER ROAD IMPROVEMENTS

MODEL: Sheet_SurvFt_PAPER SIZE: 34x22 (in.) DATE: 5/22/2024 TIME: 3:46:24 PM USER: Thomask
 S:\NAS\7200-7299\7281\001\Drawings\CAD\Warner Road\400-Engineering\Signals\Sheets\Warner Road_TPO01.dgn

LEGEND:

SL - STOP LINE

-  PROPOSED SIGN
-  EXISTING SIGN TO REMAIN (RELOCATIONS NOTED IN PLANS)
-  EXISTING SIGN TO BE REMOVED



SIGNAL TRAFFIC CONTROL

DESIGN AGENCY

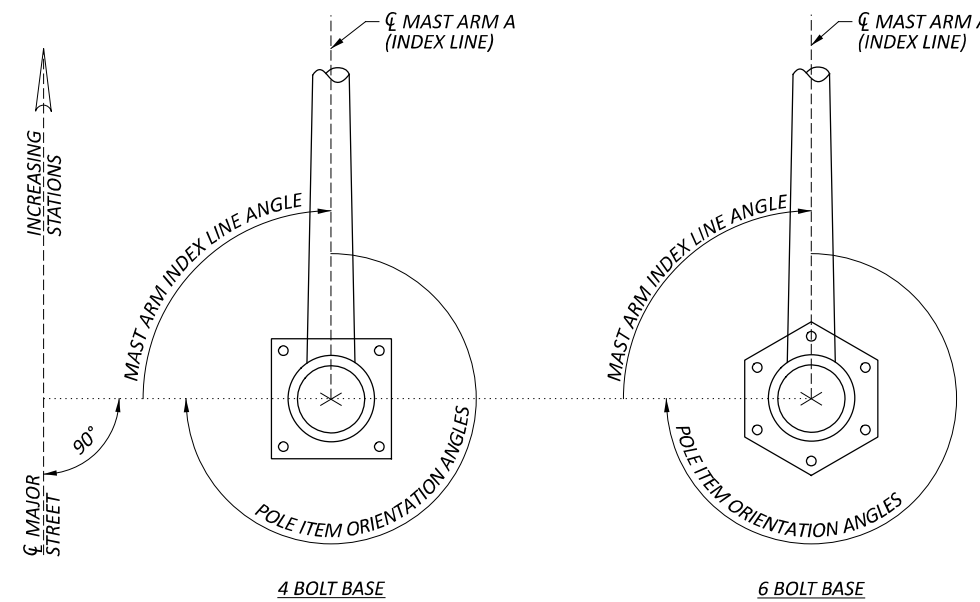
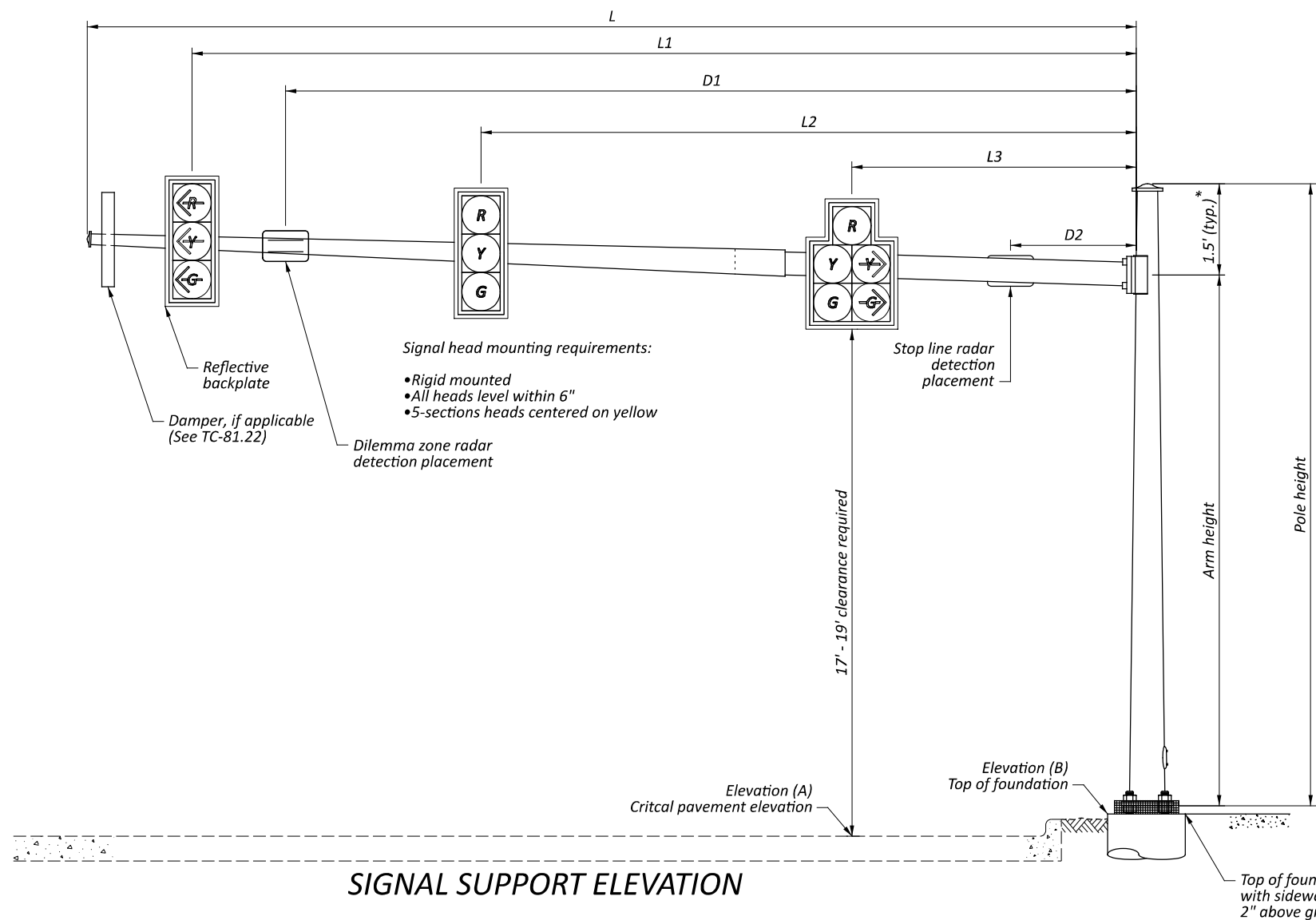


DESIGNER
TMK

REVIEWER
JDH 05/23/24

PROJECT ID
N/A

SHEET TOTAL
P.8 P.11



- Note:**
1. All angles are measured clockwise.
 2. Base plate is oriented square to Mast Arm A, even if the support has two arms.

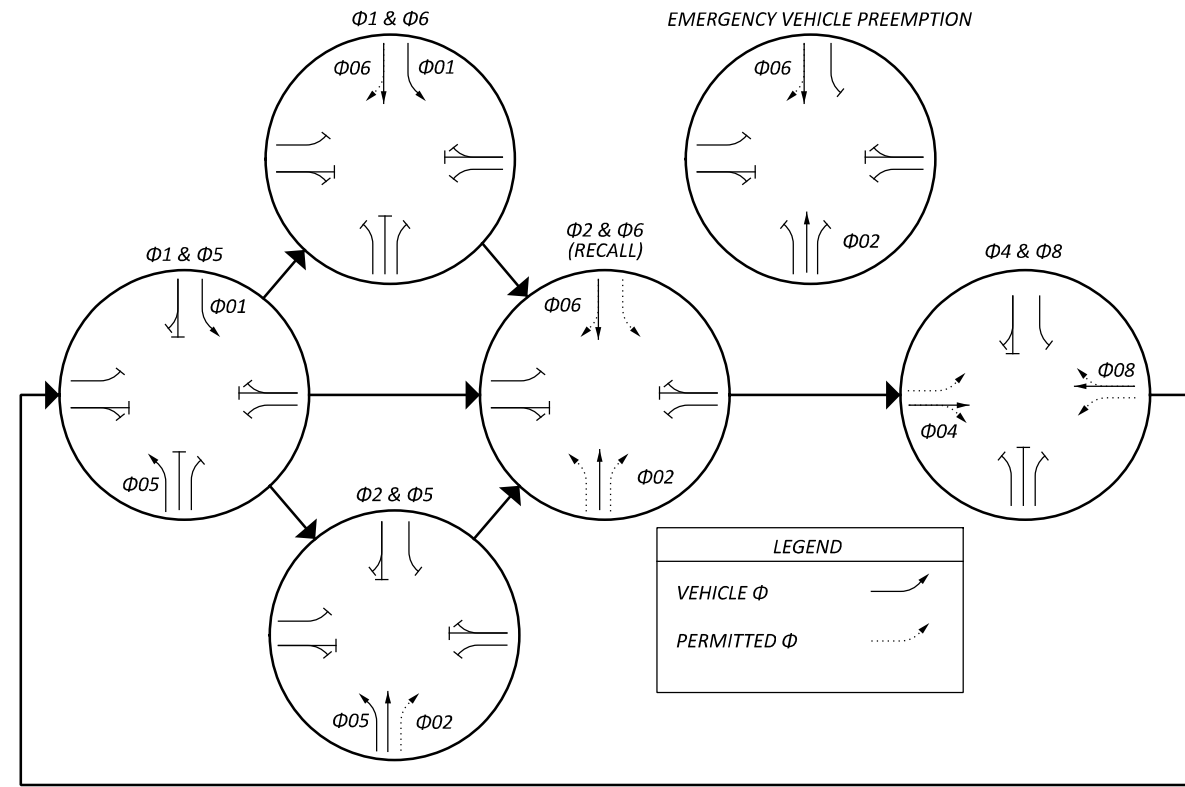
MAST ARM TABLE

| SUPPORT NO. | ARM DESIGNATION | STATION | OFFSET | ELEVATION | | DESIGN TYPE | DESIGN NO. | SIGNAL SUPPORT DETAILS | | | | | | | | MAST ARM A INDEX LINE ANGLE | ANGLES (DEG.) FROM INDEX LINE | | | | | | | | |
|-------------|-----------------|----------|-----------|------------------------|-----------------------|-------------|------------|------------------------|------------|-------|-------|-------|-------|----|----|-----------------------------|-------------------------------|------------|-------------------|-----------------------|---------------|----------------|-------------|----------|---|
| | | | | A (Pavement Elevation) | B (Top of Foundation) | | | POLE HEIGHT | ARM HEIGHT | L | L1 | L2 | L3 | D1 | D2 | | X | MAST ARM B | PEDESTRIAN SIGNAL | PEDESTRIAN PUSHBUTTON | POWER SERVICE | SIGNAL CABINET | BRACKET ARM | HANDHOLE | CABLE ENTRANCE 12" FROM TOP OF POLE EXTENSION |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| SP-1 | A | 77+80.51 | 50.09' RT | 939.39 | 938.57 | TC-81.22 | 14 | 22 | 20.5 | 62.49 | 59.49 | 48.67 | - | 53 | 6 | - | 181.9 | - | - | - | 149.3 | - | - | 149.3 | - |
| SP-2 | A | 78+02.56 | 35.33' RT | 937.98 | 938.24 | TC-81.22 | 12 | 21.5 | 20 | 30.81 | 27.81 | 15.85 | - | 20 | 6 | - | 277.56 | - | - | - | 76.81 | - | - | 76.81 | - |
| SP-3 | A | 77+73.08 | 60.84' LT | 939.2 | 939.04 | TC-81.22 | 12 | 22 | 20.5 | 38.18 | 35.18 | 22.53 | 13.49 | 27 | 6 | - | 181.9 | - | - | - | 81.06 | - | - | 81.06 | - |
| SP-4 | A | 76+83.27 | 42.76' LT | 938.41 | 937.2 | TC-81.22 | 12 | 23 | 21.5 | 42.43 | 39.43 | 26.94 | - | 34 | 6 | - | 85.74 | - | - | - | 189.8 | - | - | 189.8 | - |

TRAFFIC SIGNAL CONTROLLER TIMING CHART

| INTERSECTION: Industrial Parkway and Warner Road | | | | | | | | | |
|--|--|-------------------------|-----|-----------|-----|----------|-----|-----|-----|
| MAINTAINING AGENCY: Union County | | | | | | | | | |
| START UP | | DUAL ENTRY: YES | | PHASES: - | | | | | |
| START IN: YELLOW/RED FLASH | | REST IN RED: | | RING 1 - | | RING 2 - | | | |
| TIME FOR: FLASH, ALL RED (SEC.): 9, 6 | | OVERLAP | | A | | B | | C D | |
| FIRST PHASE(S): - | | PHASES | | - | | - | | - | |
| COLOR DISPLAYED: - | | PHASES | | - | | - | | - | |
| INTERVAL OR FEATURE | | CONTROLLER MOVEMENT NO. | | | | | | | |
| INTERSECTION MOVEMENT (PHASE) | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| DIRECTION | | SBL | NB | - | EB | NBL | SB | - | WB |
| MINIMUM GREEN (INITIAL) (SEC.) | | 8 | 12 | - | 8 | 8 | 12 | - | 8 |
| ADDED INITIAL *(SEC./ACTUATION) | | - | - | - | - | - | - | - | - |
| MAXIMUM INITIAL *(SEC.) | | - | - | - | - | - | - | - | - |
| PASSAGE TIME (PRESET GAP) (SEC.) | | 3 | 3 | - | 1.5 | 3 | 3 | - | 1.5 |
| TIME BEFORE REDUCTION *(SEC.) | | - | - | - | - | - | - | - | - |
| MINIMUM GAP *(SEC.) | | - | - | - | - | - | - | - | - |
| TIME TO REDUCE *(SEC.) | | - | - | - | - | - | - | - | - |
| MAXIMUM GREEN I (SEC.) | | 40 | 40 | - | 20 | 40 | 40 | - | 20 |
| MAXIMUM GREEN II (SEC.) | | - | - | - | - | - | - | - | - |
| YELLOW CHANGE (SEC.) | | 4.3 | 5.2 | - | 5.2 | 4.3 | 5.2 | - | 5.2 |
| ALL RED CLEARANCE (SEC.) | | 2.5 | 1 | - | 1 | 2.5 | 1 | - | 1 |
| RECALL | | MAXIMUM (ON/OFF) | OFF | OFF | - | OFF | OFF | OFF | OFF |
| | | MINIMUM (ON/OFF) | OFF | OFF | - | ON | OFF | OFF | ON |
| MEMORY | | (ON/OFF) | - | - | - | - | - | - | - |

PHASING DIAGRAM (TYPICAL)



SIGNAL AND PHASING DETAILS

TRAFFIC SIGNAL SYSTEM TIMING CHART

| CYCLE | 170 SEC. | SPLIT (SEC) | 14.8 | 32.7 | - | 22.5 | 14.8 | 32.7 | - | 22.5 | RUN TIME: 06:00 - 09:00 |
|---------|----------|-------------|------|------|---|------|------|------|---|------|-------------------------|
| CYCLE 2 | 70 SEC. | SPLIT (SEC) | 14.8 | 32.7 | - | 22.5 | 14.8 | 32.7 | - | 22.5 | RUN TIME: 10:15 - 13:15 |
| CYCLE 3 | 80 SEC. | SPLIT (SEC) | 14.8 | 42.7 | - | 22.5 | 22.5 | 35 | - | 22.5 | RUN TIME: 15:15 - 18:15 |

FIELD WIRING HOOKUP CHART

| SIGNAL HEAD | INDICATION | FIELD TERMINAL | FLASH | SIGNAL HEAD | INDICATION | FIELD TERMINAL | FLASH |
|---------------|------------|----------------|-------|---------------|------------|----------------|-------|
| 8B (WB LT) | R | Φ8 R | R | 4A (EB) | R | Φ4 R | R |
| | Y | Φ8 Y | | | Y | Φ4 Y | |
| | G | Φ8 G | | | G | Φ4 G | |
| 8A (WB) | R | Φ8 R | R | 1A (SB LT) | R | Φ6 R | Y |
| | Y | Φ8 Y | | | Y | Φ6 Y | |
| | G | Φ8 G | | | G | Φ6 G | |
| 5A (NB LT) | R | Φ2 R | Y | 6A (SB) | R | Φ6 R | Y |
| | Y | Φ2 Y | | | Y | Φ6 Y | |
| | G | Φ2 G | | | G | Φ6 G | |
| 2B (NB) | R | Φ2 R | Y | | - | - | |
| | Y | Φ2 Y | | | Y | Φ2 Y | |
| | G | Φ2 G | | | G | Φ2 G | |
| 2A (NB RT) | R | Φ2 R | Y | | - | - | |
| | Y | Φ2 Y | | | Y | Φ2 Y | |
| | G | Φ2 G | | | G | Φ2 G | |
| 4B (EB LT) | R | Φ4 R | R | | - | - | |
| | Y | Φ4 Y | | | Y | Φ4 Y | |
| | G | Φ4 G | | | G | Φ4 G | |

LS = LOAD SWITCH

RADAR DETECTION CHART

| DETECTION ZONE | MOVEMENT | PULSE OR PRESENCE | ASSOCIATED PHASE | DELAY PROGRAMMED IN CONTROLLER (SEC.) | EXTENSION PROGRAMMED IN CONTROLLER (SEC.) | DETECTOR NO. | PURPOSE | DETECTION ZONE LENGTH (FT) |
|----------------|----------|-------------------|------------------|---------------------------------------|---|--------------|-------------------|----------------------------|
| DZ-1 | EBL | PRESENCE | 4 | 10.0 | - | | Stop-Line | 20 |
| DZ-2 | SBL | PRESENCE | 1 | 3.0 | - | | Stop-Line | 20 |
| DZ-3 | WBL | PRESENCE | 8 | 10.0 | - | | Stop-Line | 20 |
| DZ-4 | NBL | PRESENCE | 5 | 3.0 | - | | Stop-Line | 20 |
| DZ-5 | EBT | PULSE | 4 | - | 1.5 | | Advance Detection | 100 |
| DZ-6 | SBT | PULSE | 6 | - | 3.0 | | Advance Detection | 500 |
| DZ-7 | WBT | PULSE | 8 | - | 1.5 | | Advance Detection | 100 |
| DZ-8 | NBT | PULSE | 2 | - | 3.0 | | Advance Detection | 500 |

Note: Advance/Dilemma Zone Speed Threshold: 30 MPH
Purpose: Stop-Line or Advance Detection

DESIGN AGENCY



DESIGNER
TMK

REVIEWER

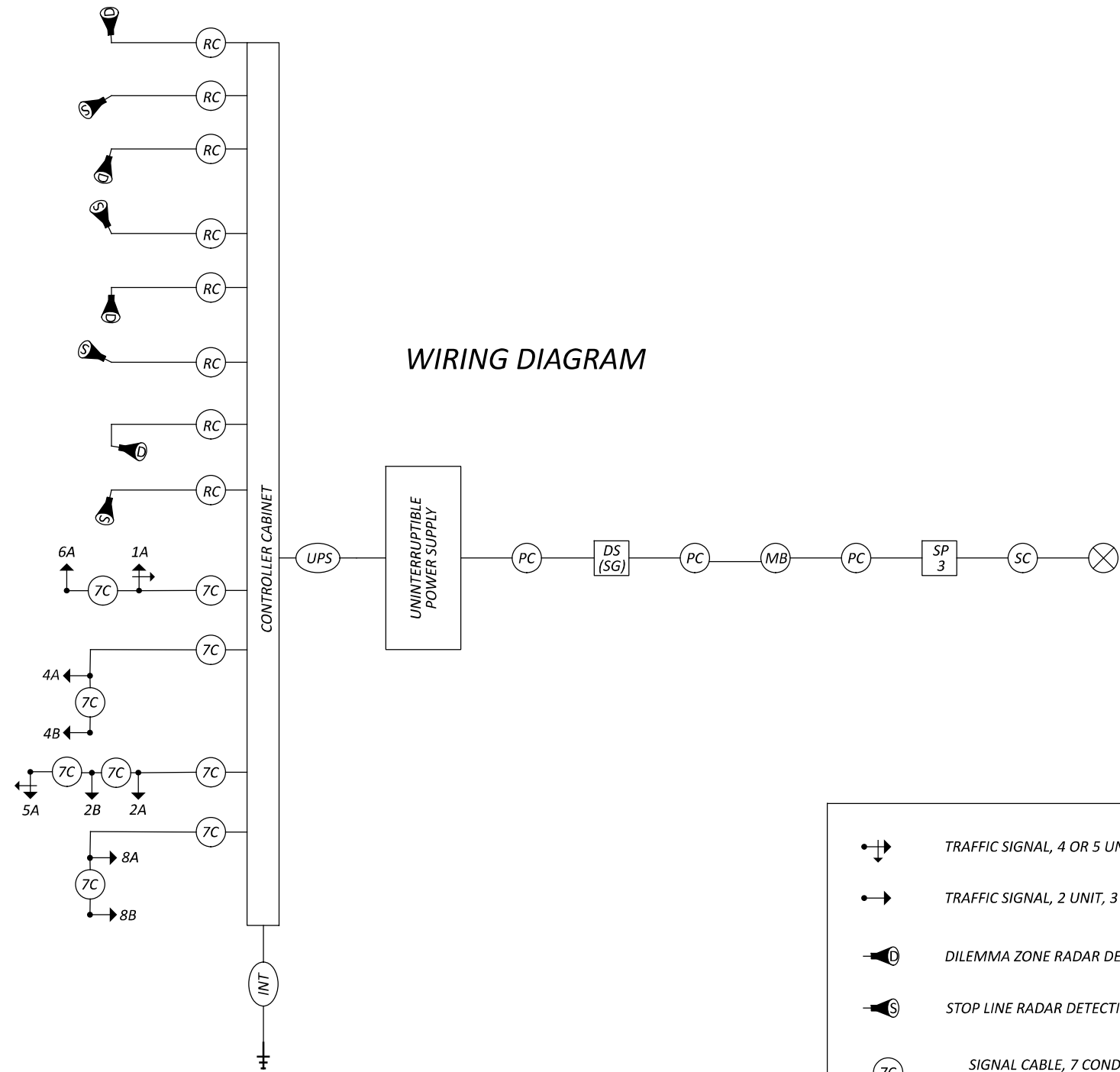
JDH 05/23/24

PROJECT ID

N/A

SHEET TOTAL

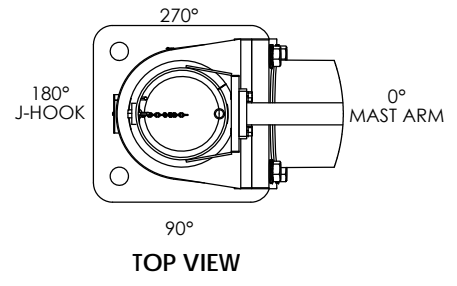
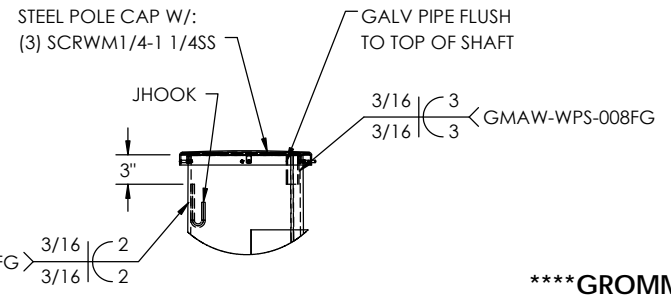
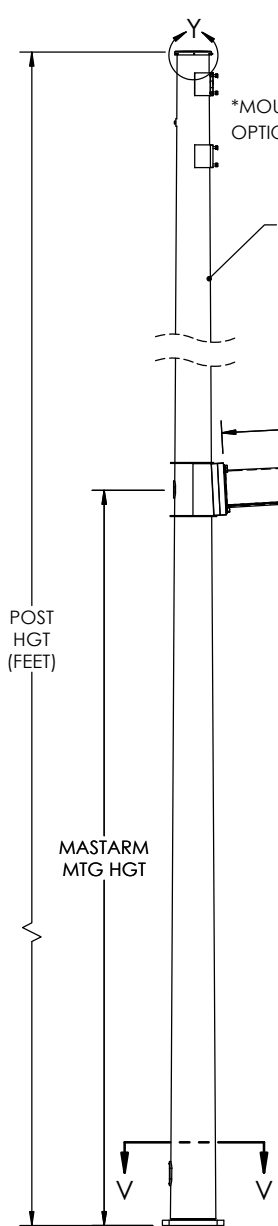
P.10 | P.11



WIRING DIAGRAM

LEGEND

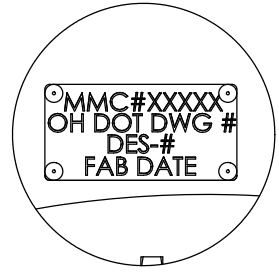
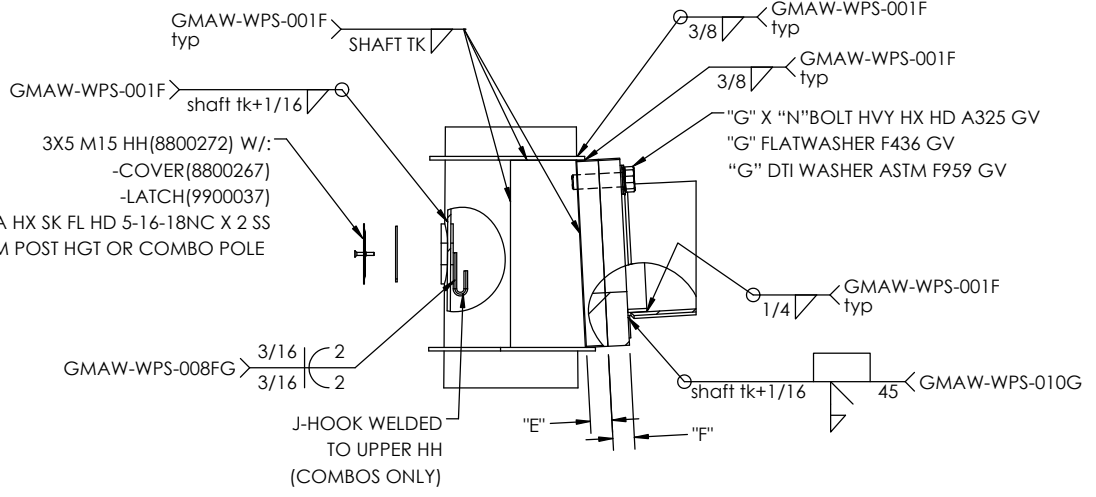
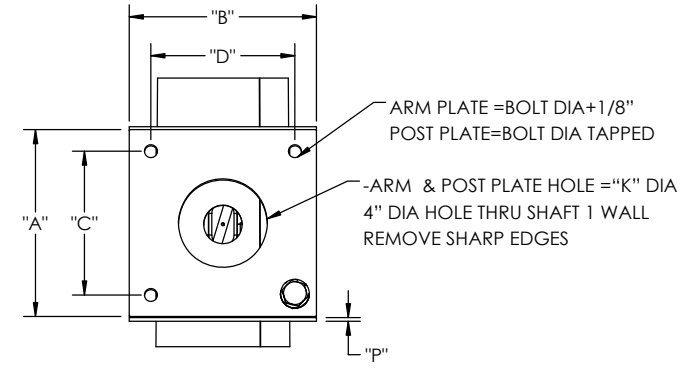
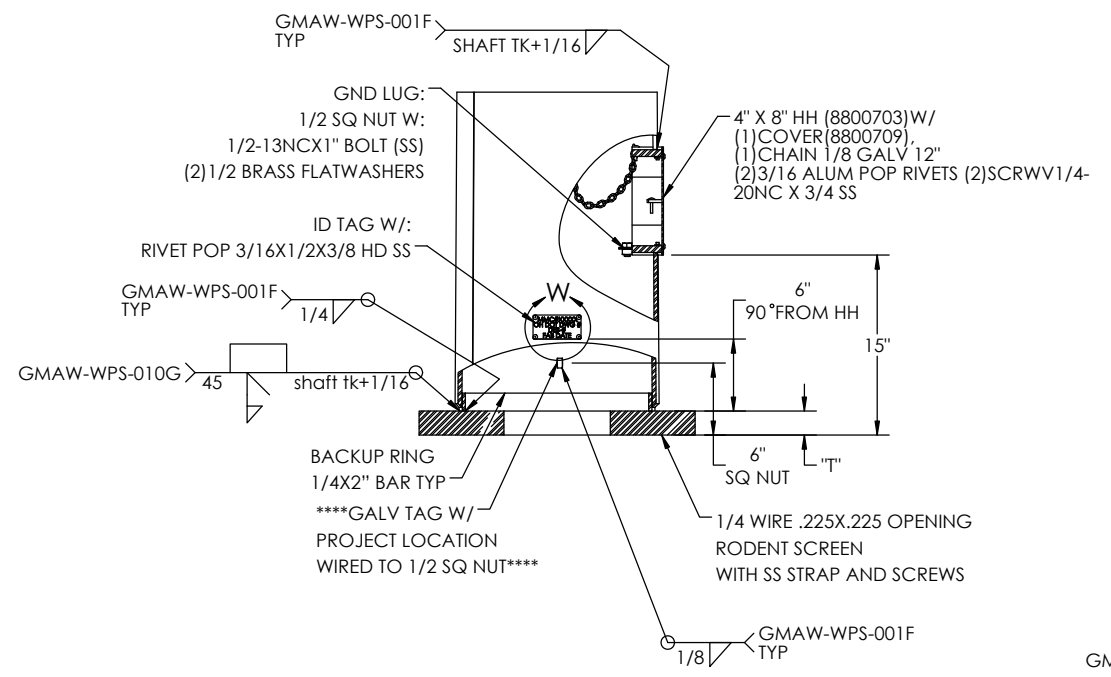
| | | | |
|--|---|--|---------------------------------------|
| | TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12" | | POWER SOURCE |
| | TRAFFIC SIGNAL, 2 UNIT, 3 UNIT, OR PHB HEAD 12" | | SERVICE CABLE, 2 CONDUCTOR, NO. 8 AWG |
| | DILEMMA ZONE RADAR DETECTION UNIT | | POWER CABLE, 2 CONDUCTOR, NO. 8 AWG |
| | STOP LINE RADAR DETECTION UNIT | | SIGNAL SUPPORT POLE NO. ___ |
| | SIGNAL CABLE, 7 CONDUCTOR, NO. 12 AWG | | METER BASE |
| | RADAR DETECTION CABLE | | UNINTERRUPTIBLE POWER SUPPLY CABLE |
| | ETHERNET RADIO | | INTERCONNECT CABLE |



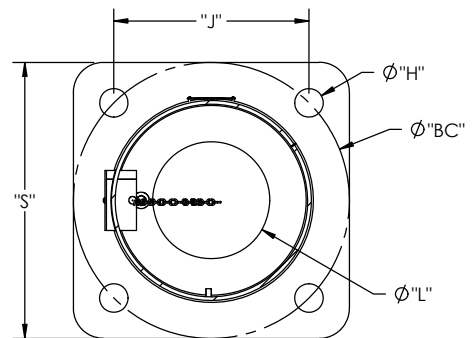
****GROMMET HOLES TO BE FIELD DRILLED****

FIELD DRILL S1 FOR 3/4-10NC HX HD BOLT A307GV (1) LOCKWASHER (1) HVY HEX NUT (GV)

DES 2.4=2" RISE
DES 12-14=3" RISE



DETAIL W SCALE 1 : 4
ID TAG INFO



SECTION V-V SCALE 1 : 16

| REVISIONS | | | |
|-----------|--|------------|------|
| REV. | DESCRIPTION | DATE | DRFT |
| A | CHGD VIB DAMPER WAS >39' TO >59' SCD 4/17 TO 7/7/20 CHGD SHAFT SIZE OF D2 & D4. BC OF D14 TO 22"; NCHOR BASE OF D2 & D4 CHGD THE BC,S,J,& L. ADDED NOTES | 11/16/2020 | PJF |
| B | ADDED RODENT SCREEN AND HARDWARE | 7/23/2021 | RK |
| C | ADDED COMBO POLE IF APPLICABLE - NOTE AND SPLIT IN VIEW | 7/25/2022 | RK |
| D | D2 "K" DIM WAS 7", REVISED TO ALLOW FOR WELD INSIDE BACK-UP RING | 9/7/2022 | RK |

| MATERIAL SPECIFICATIONS | |
|--------------------------------------|-------|
| POST: ASTM A572 GR55 | SIZE: |
| BASE PLATE: ASTM A709 GR36 | |
| MAST ARM: ASTM A572 GR55 | |
| MOUNTING PLATE: ASTM A709 GR36 | |
| LUMINAIRE ARM: | |
| HARDWARE FINISH: ASTM A325 GALV A153 | |
| ANCHOR BOLTS: ASTM F1554 GR105 | |

| DESIGN CRITERIA | |
|---|------------------|
| 2015 FIRST EDITION(LRFDLTS-1), AASHTO LRFD STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES & TRAFFIC SIGNALS. | |
| WINDS: 115 MPH | VORTEX SHED: N/A |
| FATIGUE CAT: II | GALLOPING: N/A |
| NATURAL WIND GUST: YES | TRUCK GUST: YES |

| WELD SPECIFICATION | |
|---|--|
| THE POST AND MAST ARM TO BE A TAPERED TUBE FABRICATION WITH ONE SUBMERGED ARC LONGITUDINAL SEAM WELD WITH 100% PENETRATION 6" FROM BASE PLATE AND 60% FOR REMAINDER. GAS METAL ARC WELDING PROCESS WITH 60% PENETRATION MAY BE USED FOR REMAINDER OF WELDED FABRICATION. | |
| WELD TESTING: 100% OF ALL WELDS VISUAL TESTED (VT), 100% OF ALL COMPLETE JOINT PENETRATION (CJP) WELDS ULTRASONIC TESTED (UT) BASED ON THE THINNEST MATING MATERIAL: (PER AASHTO 2013 5.15.5-WELD INSP) THICKNESS. < 6MM (0.25 IN) MT >= 6MM (0.25 IN) UT A RANDOM 30% OF ALL FILLET WELDS AND PARTIAL JOINT PENETRATION (PJP) LONGITUDINAL SEAM WELDS MAGNETIC PARTICLE TESTED (MT). | |

| FINISH SPECIFICATION | |
|-----------------------|----------------------------------|
| GALV. OR PRIME COAT: | HOT DIP GALVANIZED PER ASTM A123 |
| FINISH COAT: | PAINT |
| COLOR: | COLOR TO BE SPECIFIED |
| FEDERAL OR RAL SPEC.: | |
| WEIGHT W/GALV.: | 4964.92 |
| WEIGHT W/GALV.&PAINT: | 5005.83 |
| WEIGHT W/PAINT: | |
| SURFACE AREA: | |
| GAL. OF PAINT: | 3.99952 |

MILLERBERND 622 6TH ST. SO. WINSTED, MN 55395

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| | | | |
|------------------|-----------|--------|--------|
| SALES ORDER NO.: | QTY: | STATE: | SHEET |
| 212081 | SEE TABLE | OH | 1 OF 2 |

DESCRIPTION:
SUB POLE SIG CHARTED TC-81.22
LUM OR NO LUM ARM

| | |
|--------------|--------------|
| EST. WEIGHT: | DRAWING NO.: |
| 4813.3 | 212081-1 |

PROJECT NAME:
PO S103245065 / Union County - 2024
Industrial Parkway and Warner Road
Lighting Information

PROJECT LOCATION:
OH UNION COUNTY

| | |
|-----------------|-----------------|
| DWN BY: REBEKAH | DATE: 6/14/2024 |
| CHK BY: | DATE: |

| DESIGN NO | MAX DESIGN AREA SQ.FT. | DESIGN DISTANCE FROM CL(FT) | POLE | | MASTARM | | | | | ARM ATTACHMENT | | | | | | MTG HARDWARE | | BOLT CIRCLE | BASE DETAIL | | | | | | | |
|-----------|------------------------|-----------------------------|---------|----------------|---------|----------------|---|------------|--|----------------|--------|-------------|-------------|-----------|--------|--------------|-------------|-------------|-------------|-----------|---------|--------|-------------|-----------|-------------|-------------------|
| | | | WALL TK | SHAFT BASE DIA | WALL TK | SHAFT BASE DIA | SINGLE MASTARM MAX 50'0 | MAX LENGTH | 2 PIECE MAST ARM >50'0 | "A" IN | "B" IN | "C" IN CTRS | "D" IN CTRS | "E" IN TK | "F" IN | "G" IN | "N" IN LGTH | | "K" IN | "P" IN TK | "BC" IN | "S" IN | "J" IN CTRS | "T" IN TK | "H" IN DIA. | "L" IN |
| 2 | 25 | 31.5 | 1/4 | 11.5 | 3/16 | 8.0 | -- | 32'0 | - | 16 1/2 | 14 1/2 | 12 1/2 | 9 1/2 | 2" | 2" | 1 1/4 | 4 1/4 | 6 | 3/8 | 15" | 15 5/8 | 10 5/8 | 2" | 2 1/8 | 9 1/2 | 1 3/4x58" 9900347 |
| 4 | 42 | 37.5 | 1/4 | 13.0 | 1/4 | 10.32 | MMC WILL SUPPLY ONE PIECE SHAFT TO 38'0 | 38'0 | - | 16 1/2 | 14 1/2 | 12 1/2 | 9 1/2 | 2" | 2" | 1 1/2 | 4 1/2 | 8 3/4 | 3/8 | 18" | 18 1/2 | 12 3/4 | 2" | 2 3/8 | 11 1/8 | 2"x58" 9900349 |
| 12 | 42 | 47.5 | 5/16 | 14.0 | 5/16 | 11.0 | MMC WILL SUPPLY ONE PIECE SHAFT TO 48'0 | 48'0 | - | 16 1/2 | 14 1/2 | 12 1/2 | 9 1/2 | 2" | 2" | 1 1/2 | 4 1/2 | 8 3/4 | 3/8 | 20" | 20 1/2 | 14 1/8 | 2" | 2 3/8 | 8 3/4 | 2"x58" 9900349 |
| 13 | 40 | 59.5 | 5/16 | 16.0 | 5/16 | 13.0 | MMC WILL SUPPLY ONE PIECE SHAFT TO 50'0 | 60'0 | {S1}5/16X13.0X8.8X30'0 {S2}1/4X9.83X? | 19 1/2 | 16 1/2 | 15" | 12" | 2" | 2" | 1 1/2 | 4 1/2 | 8 1/4 | 3/8 | 22" | 23" | 15 5/8 | 2" | 2 3/8 | 9 1/2 | 2"x58" 9900349 |
| 14 | 38 | 69.5 | 5/16 | 17.0 | 5/16 | 14.0 | MMC WILL SUPPLY ONE PIECE SHAFT TO 50'0 | 70'0 | {S1}5/16X14.0X8.82X37'0 {S2}1/4X9.85X? | 19 1/2 | 19 1/2 | 15" | 15" | 2 1/4 | 2 1/4 | 1 1/2 | 4 1/2 | 9 1/4 | 3/8 | 22" | 23" | 15 5/8 | 2" | 2 3/8 | 9 3/4 | 2"x58" 9900349 |

| DESIGN NO | QTY. | STRUCTURE NO | STRUCTURE LOCATION | POST HGT (FEET) | LOWER HH ORIENTATION FROM MASTARM | MASTARM | | LUMINAIRE ARM | | | | | VIBE DAMPNR | PED SIGNAL | | | PUSH BUTTON | | | POWER SERVICE | | | CABLE ENTRANCE | | | |
|-----------|------|--------------|---------------------------|-----------------|-----------------------------------|---------|---------------|---------------|--------------------|------------------|------|--------------------------|-------------|------------|-------------------|----------------|-------------|-------------------|----------------|---------------|-------------------|----------------|----------------|-------------------|----------------|----|
| | | | | | | MTG HGT | LENGTH (FEET) | LENGTH | MTG PL STYLE (A-D) | MTG HGT FROM TOP | RISE | LUM ORIENTATION FROM ARM | | CPLG SIZE | MTG HGT FROM BASE | (DEG) FROM ARM | CPLG SIZE | MTG HGT FROM BASE | (DEG) FROM ARM | CPLG SIZE | MTG HGT FROM BASE | (DEG) FROM ARM | CPLG SIZE | MTG HGT FROM BASE | (DEG) FROM ARM | |
| 14 | 1 | SP-1 | STA 77+80.51 50.09' RT | 22' | 180 | 20'6 | 62'6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12 | 1 | SP-2 | STA 78+02.56 35.33' RT | 21'6 | 180 | 20' | 31' | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12 | 1 | SP-3 | STA 77+73.08 60.84' LT | 22' | 180 | 20'6 | 39' | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 12 | 1 | SP-4 | STA 76+83.27 42.76' LT | 23' | 180 | 21'6 | 42'6 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |

NOTES:
1) MMC STANDARD:
SHAFT LENGTHS AT 6" INCREMENTS.
IF SHAFTS ARE DESIGNATED IN FEET/INCHES. MMC WILL INCREASE LENGTH TO NEXT 6" INCREMENT. CUSTOMER TO SPECIFY IF ROADWAY IS AFFECTED BY INCREASE.
2) HARDWARE C&MS 730.08 REQMTS:
-STEEL HARDWARE BOLTS 5/8 DIA OR LARGER ASTM A325(A325M)
-BOLTS & SCREW LESS THAN 5/8" DIA SAEJ429 GR5.
-ALL NUTS (EXCLUDES ANCHOR & LEVELING NUTS) SAEJ995 GR2, ASTM A563 GR DH OR A194 GR 2H
-FLATWASHER ANSIB18.22.1 & ASTM F436
-LOCKWASHER ASME B18.21.1
-UBOLTS ASTMA307.
-HOT DIPPED GALV HARDWARE ASTMA153 OR MECHANICALLY GALV ASTMB695 CLASS 50
3) ANCHOR BOLTS C&MS 632.711.02,730.02 AND 732.11 REQMTS:
-SHALL BE GALV TO THE FULL LENGTH OF THE ANCHOR BOLTS WITH A TAPPED STEEL PLATE WASHER
4)ANCHOR BOLT NUTS ASTM A563 GR DH OR A194 GR 2H
5)ANCHOR BOLT WASHERS ASTM F436 TYPE 1 HOT DIP GALV TO ASTM A153.
6)ALCOA DAMPER B5431 ASSY- CHAIN ADDED PER SPECIFICATION AS REQUIRED AND DIRECTED BY ODOT
7)RISE 3" MIN-12"MAX AFTER ERECTION OF SIGNS. NEGATIVE ARM END SLOPE IS ACCEPTABLE TO ACHIEVE RISE REQUIREMENT.

This drawing represents the Millerbernd Manufacturing Company (MMC) interpretation of the design intent and serves as our shop drawings for manufacturing purposes.
The details and scope in these drawings represent the product that will be produced by MMC and delivered to the customer.
All additions, changes, or deviations from this approved drawing package will be regarded as a change order and processed accordingly.

Any information marked as 'specify' or 'needs verification' must be supplied or verified prior to the start of production, or a delay in manufacturing will occur.

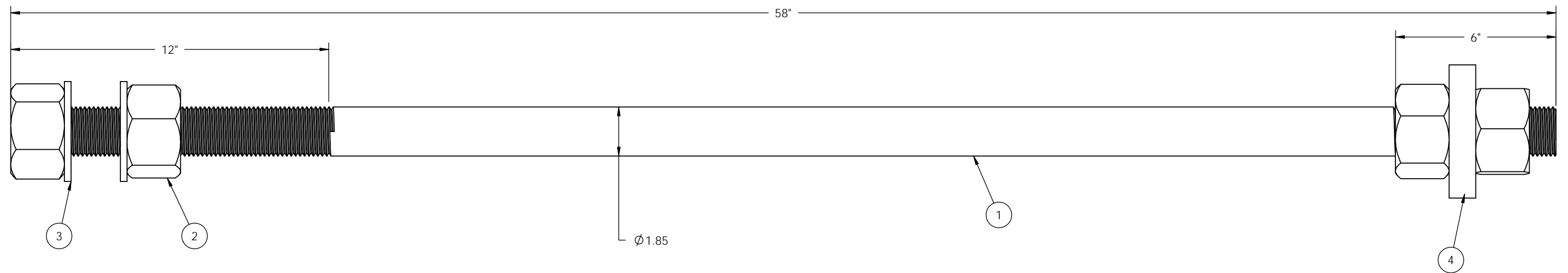
Signature or Stamp of Approval below is required for release of project/drawings to manufacture.

I certify that this submittal drawing has been checked prior to return to the manufacturer.
Except as noted, these drawings comply with the requirements of the contract documents for this project.

Reviewed by: _____
Title: _____
Date: _____

| | | | |
|--|-----------|--------------------------------------|--------|
| | | 622 6TH ST. SO. WINSTED, MN 55395 | |
| THIS DOCUMENT CONTAINS CONFIDENTIAL INFORMATION AND IS THE PROPERTY OF MILLERBERND MFG AND MAY NOT BE COPIED, REPRODUCED OR DISCLOSED IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT FROM MILLERBERND MFG | | | |
| SALES ORDER NO.: | QTY: | STATE: | SHEET |
| 212081 | SEE TABLE | OH | 2 OF 2 |
| DESCRIPTION: SUB POLE SIG CHARTED TC-81.22 LUM OR NO LUM ARM | | | |
| EST. WEIGHT: 4813.3 | | DRAWING NO: 212081-1 | |
| PROJECT NAME: PO S103245065 / IUnion County - 2024 Industrial Parkway and Warner Road Lighting Information | | | |
| PROJECT LOCATION: OH UNION COUNTY | | | |
| DWN BY: REBEKAH | | DATE: 6/14/2024 | |
| CHK BY: | | DATE: | |

| REVISIONS | | | | |
|-----------|-------|-------------|------|------|
| REV. | CHNG# | DESCRIPTION | DATE | DRFT |
| | | | | |



NOTE: **SUPPLIED BY FSA**

1. HIGH STRENGTH STEEL ANCHOR BOLT PER ASTM F1554 GRADE 105 MATERIAL - QUENCHED AND TEMPERED COLD DRAWN STRESS-RELIEVED (SAE 4140) ROD WITH 105,000 PSI MIN YIELD AND 125,000 - 150,000 PSI TENSILE STRENGTH. 15% MIN ELONGATION AND 45% MIN REDUCTION OF AREA
2. HOT DIP FULLY GALVANIZE PER ASTM A153.
3. THREAD TO BE CLASS 2A PER AMERICAN STD. B 1.1 .030 OVER SIZE AFTER GALVANIZING
4. ALL BOLTS ROLLED THREAD
5. HEAVY HEX NUTS PER ASTM A563 GR DH (.030 OVER SIZE) OR (A194 2H EQUIVALENT)
6. NO WELDING IS ALLOWED ON ANCHOR BOLTS
7. GALVANIZED FLATWASHER PER ASTM F436
8. THE END OF ANCHOR BOLT TO PROJECT FROM CONCRETE PAINTED RED

MMC 212081
 PO S103245065 / Union County - 2024 - Industrial Parkway and Warner Rd Lighting Information
 OH UNION COUNTY
 QTY 16

| ITEM NO. | PART NUMBER | DESCRIPTION | QTY. |
|----------|-----------------------|---|------|
| 1 | 9900348 | ANCHOR BOLT 2" X 58" LG GR 105 | 1 |
| 2 | NUTHVYHX2-4-1-2A563GV | NUT HVY HX 2-4-1-2 A563 GV(DH) | 4 |
| 3 | WASHFLAT2"GV | WASHER FLAT 2" SAE ASTM F436 GV 3 3/4" OD | 2 |
| 4 | 460B1424 | ANCHOR BOLT PLATE 1"X5" FOR 2 1/2" A.B. | 1 |

SALES ORDER NUMBER:

DWN: PAM F. DATE: 5/27/2020

CHK BY: DATE:

MATERIAL:
SEE BOM

WEIGHT: 61.1 LBS.
 SURFACE AREA: 663.5 SQ IN
 SCALE: 1:12



DESCRIPTION:
 ANCHOR BOLT 2" X 58" LG GR 105
 W/4 NUTS 2 FLATWASHER

DRWG NO.: 9900349
 SHEET 1 OF 1
B

CONTRACT

THIS AGREEMENT is made this _____ day of _____, _____ by and between _____, an Ohio corporation, with an address of _____ (hereinafter referred to as the “Contractor”) and the **BOARD OF COUNTY COMMISSIONERS, UNION COUNTY, OHIO** with an address of 233 West Sixth Street, Marysville, Ohio, 43040 (hereinafter referred to as the “OWNER”.)

WITNESSETH, that the Contractor, the Board of County Commissioners and the Owner for the considerations stated herein mutually agree as follows:

ARTICLE 1. Statement of Work

The Contractor shall furnish all supervision, technical personnel, labor, materials, machinery, tools, equipment and services, including utility and transportation services, and perform and complete all work required for the construction of the improvements embraced in the project; namely, the **2024 Union County Warner Road Signal Improvement Project** and required supplemental work for the project all in strict accordance with the Contract Documents.

ARTICLE 2. The Contract Price, Execution of Agreement, Commencement of Work and Completion Date

The Owner will pay the Contractor for the total quantities of work performed at the unit prices stipulated in the Bid for the respective items of work completed for the sum not to exceed _____ (_____), subject to additions and deductions as provided in the Contract Documents.

The Contractor shall execute this Contract or Agreement and furnish the required contractor’s contract bond, if applicable, and certificates of insurance within ten (10) calendar days from the date the Notice of Award is mailed to the Contractor. If the Contractor fails to execute said Contract or Agreement and to furnish said bond within ten (10) calendar days from the date the Notice of Award is mailed to the Contractor, said Owner shall be entitled to consider all the Contractor’s rights arising out of the Owner’s acceptance of the Contractor’s bid as abandoned and as a forfeiture of the Contractor’s bid guaranty subject to the liability as set forth in Section 153.54 of the Ohio Revised Code. The Owner shall be entitled to such other rights as may be granted by law.

The Contractor shall complete the work detailed in Article 1 and the other contract documents within _____ (____) calendar days after the commencement of work. The completion date for the project (full operation of the signal) shall be December 1, 2024. The contractor may begin work after August 15, 2024, however the signal components noted within the supplemental plan sheets (acquired separately by Union County) will not be available until October 15th.

ARTICLE 3. Contract

The executed Contract Documents shall consist of the following:

- a. This Agreement (with Exhibit “A” Drug-free Workplace Programs addendum which is incorporated as if fully rewritten herein);
- b. Addenda;
- c. Invitation to Bid;
- d. Instructions to Bidders;
- e. Signed copy of bid;
- f. Work Specifications (including all plans, drawings, etc.);
- g. General and Special Conditions, Parts I and II;
- h. Technical Conditions; and
- i. Federal Requirements.

This Agreement, together with other documents enumerated in this ARTICLE 3, which said other documents are as fully a part of the Contract as if hereto attached or herein repeated, forms the Contract between the parties hereto. In the event that any provision in any component part of this Contract conflicts with any provision of any other component part, the provision of the component part first enumerated in this ARTICLE 3 shall govern except as otherwise specifically stated.

Article 4. General Terms and Conditions

All parties agree that should any action at law or in equity be commenced by any party concerning the interpretation, implementation, or breach of this contract, such actions shall be commenced in the Court of Common Pleas of Union County, Ohio or in the Marysville Municipal Court, located in Marysville, Ohio, if the amount in controversy should so permit. Notwithstanding any party’s state of incorporation or other legal organization, or the location of any party’s principal place of business, all parties acknowledge that either the Court of Commons Pleas of Union County, Ohio or the Marysville Municipal Court, located in Marysville, Ohio, has personal jurisdiction over all parties and that Union County, Ohio shall be the proper venue for all legal and equitable actions arising out of this bid and contract

In the event that mediation, arbitration, or alternative dispute resolution of any kind is required by this bid and contract or by applicable law, or if the parties herein agree to any form of mediation, arbitration, or alternative dispute resolution, the location of any hearing, meeting, investigation, fact-finding, or other activity related thereto, notwithstanding any other provision of this bid or contract, shall be located in the State of Ohio and shall not be farther than seventy-five (75) miles from the intersection of U. S. Highway 33 and U. S. Highway 36 in downtown Marysville, Ohio, in actual miles as determined by the shortest route from said intersection. This shall not preclude telephonic or electronic meetings or hearings or other conference calls including individual participants at farther distances.

The laws of the State of Ohio shall govern all aspects of this bid and contract.

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed in three original copies on the day and year first above written.

CONTRACTOR:

(Typed Name of Contractor)

OWNER:
BOARD OF COUNTY COMMISSIONERS,
UNION COUNTY, OHIO

Signature _____
(Typed Name)

Signature _____
(Typed name) Dave Burke, County Commissioner

Title _____

Signature _____

Vendor

(Typed name) Dave Lawrence, County Commissioner

Federal Identification Number:

Signature _____

(Typed name) Steve Robinson, County Commissioner

Certifications:

I, _____, certify that I am the _____ of the corporation named as Contractor herein; that _____ who signed this Agreement on behalf of the Contractor, was then _____ of said corporation; that said Agreement was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Secretary of Corporation

Date: _____

Pursuant to Ohio Revised Code Section 153.44, I hereby certify that this Contract and the Contract Documents incorporated herein have been executed in accordance with Ohio Revised Code Section 153.01 to 153.60 inclusive:

Union County Prosecuting Attorney

Date: _____

I hereby certify the necessary funds are in the Treasury of Union County or in the process of collection at this time.

Union County Auditor

Date: _____

PERFORMANCE AND PAYMENT BOND (OR BONDS)

Following the Form of Agreement, attach the approved form of the statutory surety bond or bonds to insure the performance of the Contract and payment of materials. In addition to the corporation signatures of the surety company on the bond, each bond should be countersigned by the surety company's attorney-in-fact, authorized to act within the state in which the project is situated.

EXHIBIT “A” – ADDENDUM
DRUG FREE WORKPLACE PROGRAMS

The contractor shall be enrolled in and be in good standing in the drug-free workplace program of the bureau of workers’ compensation or a comparable program approved by the bureau that requires an employer to do all of the following:

(a.) Develop, implement, and provide to all employees a written substance use policy that conveys full and fair disclosure of the employer’s expectations that no employee be at work with alcohol or drugs in the employee’s system, and specifies the consequences for violating the policy.

(b.) Conduct drug and alcohol tests on employees in accordance with division (B)(2)(c) of this section and under the following conditions:

- (i) Prior to an individual’s employment or during an employee’s probationary period for employment, which shall not exceed one hundred twenty (120) days after the probationary period begins;
- (ii) At random intervals while an employee provides labor or onsite supervision of labor for a public improvement contract. The employer shall use the neutral selection procedures required by the United States Department of Transportation to determine which employees to test and when to test those employees.
- (iii) After an accident at the site where labor is being performed pursuant to a public improvement contract. For purposes of this division, “accident” has the meaning established in rules the administrator of workers’ compensation adopts pursuant to Chapters 4121. And 4123. of the Revised Code for the bureau’s drug-free workplace program, as those rules exist on the effective date of this section.
- (iv) When the employer or a construction manager has reasonable suspicion that prior to an accident an employee may be in violation of the employer’s written substance use policy. For purpose of this division, “reasonable suspicion” has the meaning established in rules the administrator adopts pursuant to Chapters 4121. and 4123. of the Revised Code for the bureau’s drug-free workplace program, as those rules exist on the effective date of this section.
- (v) Prior to an employee returning to a work site to provide labor for a public improvement contract after the employee tested positive for drugs or alcohol, and again after the employee returns to that site to provide labor under that contract, as required by either the employer, the construction manager, or conditions in the contract.

(c.) Use the following types of test when conducting a test on an employee under the conditions described in division (B)(2)(b) of this section:

- (i) Drug and alcohol testing that uses the federal testing model that the administrator has incorporated into the bureau's drug-free workplace program;
- (ii) Testing to determine the concentration of alcohol on an employee's breath is equal to or in excess of the level specified in division (A)(1)(d) or (h) of section 4511.19 of the Revised Code, which is obtained through an evidentiary breath test conducted by a breath alcohol technician using breath testing equipment that meets standards established by the United States Department of Transportation, or, if such technician and equipment are unavailable, a blood test may be used to determine whether the concentration of alcohol in an employee's blood is equal to or in excess of the level specified in division (A)(1)(b) or (f) or section 4511.19 of the Revised Code.

(d.) Require all employees to receive at least one hour of training that increases awareness of and attempts to deter substance abuse and supplies information about employee assistance to deal with substance abuse problems, and require all supervisors to receive one additional hour of training in skill building to teach a supervisor how to observe and document employee behavior and intervene when reasonable suspicion exists of substance use;

(e.) Require all supervisors and employees to receive the training described in division (B)(2)(d) of this section before work for a public improvement contract commences during the term of a public improvement contract;

(f.) Require that the training described in division (B)(2)(d) of this section be provided using material prepared by an individual who has credentials or experience in substance abuse training;

(g.) Assist employees by providing, at a minimum, at list of community resources from which an employee may obtain help with substance abuse problems, except that this requirement does not preclude an employer from having a policy that allows an employer to terminate an employee's employment the first time the employee test positive for drugs or alcohol or if an employee refuses to be tested for drugs, alcohol or both.

A contracting authority shall include all the following statements in the public improvement contract entered into between the contracting authority and a contractor for the public improvement:

(1) "Each contractor shall require all subcontractors with whom the contractor is in contract for the public improvement to be enrolled in and be in good standing in the Bureau of Workers' Compensations' Drug-Free Workplace Program or a comparable program approved by

the bureau that meets the requirements specified in section 153.03 of the Revised Code prior to a subcontractor providing labor at the project site of the public improvement.”

(2) “Each subcontractor shall require all lower-tier subcontractors with whom the subcontractor is in contract for the public improvement to be enrolled in and be in good standing in the Bureau of Workers’ Compensation’s Drug-Free Workplace Program or a comparable program approved by the Bureau that meets the requirements specified in section 153.03 of the Revised Code prior to a lower-tier subcontractor providing labor at the project site of the public improvements.”

(3) “Failure of a contractor to require a subcontractor to be enrolled in and be in good standing in the Bureau of Workers’ Compensation’s Drug-Free Workplace Program or a comparable program approved by the Bureau that meets the requirements specified in section 153.03 of the Revised Code prior to the time that the subcontractor provides labor at the project site will result in the contractor being found in breach of the contract and that breach shall be used in the responsibility analysis of that contractor or the subcontractor who was not enrolled in a program for future contracts with the state for five years after the date of the breach.”

(4) “Failure of a subcontractor to require a lower-tier subcontractor to be enrolled in and be in good standing in the Bureau of Workers’ Compensation’s Drug-Free Workplace Program or a comparable program approved by the Bureau that meets the requirements specified in section 153.03 of the Revised Code prior to the time that the lower-tier subcontractor provides labor at the project site will result in the subcontractor being found in breach of the contract and that breach shall be used in the responsibility analysis of that subcontractor or the lower-tier subcontractor who was not enrolled in a program for future contracts with the state for five years after the date of the breach.”

EXHIBIT "B" – ADDENDUM

The Contractor agrees to both of the following:

(A) That, in the hiring of employees for the performance of work under the contract or any subcontract, no contractor, subcontractor, or any person acting on a contractor's behalf, by reason of race, creed, sex, disability or military status as defined in section 4112.01 of the Revised Code, or color, shall discriminate against any citizen of the state in the employment of labor or workers who are qualified and available to perform the work to which the employment relates:

(B) That no contractor, subcontractor, or any person on the contractor's or subcontractor's behalf, in any manner, shall discriminate against or intimidate any employee hired for the performance of work under the contract on account of race, creed, sex, disability or military status as defined in section 4112.01 of the Revised Code, or color.

In the event that there is any breach of the provisions against discrimination set forth above, there shall be a forfeiture, pursuant to R.C. 153.60, as follows

That there shall be deducted from the amount payable to the contractor by the state or by any township, county or municipal corporation thereof, under this contract, a forfeiture of twenty-five dollars for each person who is discriminated against or intimidated in violation of this contract;

That the contract shall be canceled or terminated by the state or by any township, county, or municipal corporation thereof, and all money to become due hereunder may be forfeited, for a second or subsequent violation of the terms of this section of the contract.

NOTICE OF AWARD

TO:

PROJECT DESCRIPTION: 2024 Union County Warner Road Signal Improvement Project

The Owner has considered the BID submitted by you on _____ for the above described WORK in response to its Advertisement for Bids, and Information for Bidders.

You are hereby notified that your BID has been accepted for items for: _____) in the amount of _____.

You are required by the Information for Bidders to execute the Agreement and furnish the required Contractor's Performance Bond, if applicable, and additional documents as required within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said bond within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your bid as abandoned and as a forfeiture of your bid guaranty subject to the liabilities set forth in Section 153.54 of the Ohio Revised Code. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 20__.

Union County Engineer
(AGENT FOR OWNER)

By: _____
Jeff Stauch

Title: Union County Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged

by _____
(CONTRACTOR)

this the _____ day of _____, 20_____.

By: _____

Name & Title: _____

Notice to Proceed

Date: _____

To:

Project Name: **2024 Union County Warner Road Signal Improvement Project**

You are hereby notified that you are authorized to commence WORK in accordance with the Agreement Dated _____, 20____. The date of completion of all WORK is therefore _____, 20____.

Signed:

President
Board of County Commissioners
Union County, Ohio
233 West Sixth Street
Marysville, Ohio 43040
(937) 645-3012

Acceptance of Notice

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by _____
on this _____ day of _____, 20_____.

Signature: _____

Name: _____

Title: _____

Affidavit

**NOTICE OF COMMENCEMENT
UNDER SECTION 1311.252
OF THE OHIO REVISED CODE**

Notice is hereby given pursuant to Section 1311.252 of the Ohio Revised Code that construction will commence for the single improvement described below:

- 1) The name, location and number, if any, used by the Public Authority to identify the improvement to permit the improvement to be identified.

Name: 2024 Union County Warner Road Signal Improvement Project

Location: Warner Road

- 2) The name and address of the public Authority:

**Union County Board of Commissioners
233 W. 6th Street
Marysville, Ohio 43040**

- 3) The name and address of the Principal Contractor, to include trade.

Name:

Address:

Phone:

Trade:

Contract Date:

- 4) The name and address of the Surety for the Principal Contractor:

Name:

Address:

Phone:

- 5) The name and address of the representative of the Public Authority upon whom service may be made for the purpose of serving an affidavit pursuant to section 1311.26.

Union County Board of Commissioners
233 W. 6th Street
Marysville, Ohio 43040

- 6) Name of the person completing this document:

- 7) Verification:

I, _____, _____, being
 (representative of the Public Authority)

sworn, state that the information set forth in this Notice of Commencement is true to
 the best of my knowledge and belief.

 Affiant

 Union County Engineer

signed and sworn to before me this _____ day of _____,
 _____.

 Notary

My Commission expires _____

HARMLESS AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that we,

(Firm Name)

(Address)

(City, State and Zip Code)

as principal, shall indemnify and save harmless Union County, Ohio, their agents and employees, from all suits and actions of every name and description brought against the Owner for or on account of any injury or damage to persons or property arising from or growing out of the construction of the work in said agreement, specified to be done, or the doing of any work therein described.

Witness our signature(s) for the above agreement this _____ day of _____, 20____.

PRINCIPAL _____

BY _____

TITLE _____

SIGNED IN PRESENCE OF:

ATTEST: _____

DELINQUENT TAXES AFFIDAVIT

STATE OF OHIO
COUNTY OF _____

(County in which Contractor resides)

_____ being duly cautioned and sworn states as follows:

1. That he/she is _____ of
(Title)

(Name of contracting party)

2. That _____ **is not** presently charged with any delinquent
(Name of contracting party)
personal property taxes on the general tax list of personal property of any county in which this taxing district has property. This taxing district includes property within the following counties:

_____ Union _____

-OR-

2. That _____ **is** charged with delinquent personal property tax
(Name of contracting party)
on the general tax list of personal property of any county in which this taxing district has property.

This taxing district includes property within the following counties: _____ Union _____

A. The amount of delinquent personal property tax due and unpaid including any due and unpaid penalty and interest is \$_____.

Affiant

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

Notary Public

Note to Fiscal Officer: If any personal property taxes are delinquent you must send a copy of this statement to the County Treasurer within thirty days of the date it is submitted.

WARNING: MAKING FALSE STATEMENT ON THIS AFFIDAVIT MAY BE PUNISHABLE BY FINE AND/OR IMPRISONMENT.

AFFIDAVIT

(To be filled in and executed if the Contractor is a Corporation)

STATE OF _____)
COUNTY OF _____)
_____) S.S.

_____, being sworn, deposes and says
that he is Secretary of _____ a
corporation organized and existing under an by virtue of the laws of the State of _____,
corporation charter/registration # _____, and having its principal office at
_____, _____, County,
(number and street) (city) (name of county)
_____.
(state)

Affiant further says that he is familiar with the records, minute books and by-laws of
_____. Affiant further says that
(name of corporation)

_____ of the corporation
(Name) (Title)

is duly authorized to sign the Contract for the construction of _____
_____ for said corporation by
virtue of _____
(state whether a provision of by-laws or a resolution of the Board of Directors)

_____.
(If by a resolution, give date of adoption.)

(Secretary of Corporation)

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

Notary Public in and for
_____, County

Request for Taxpayer Identification Number and Certification

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

| | | | |
|--|-----------|---|---|
| Print or type. See Specific Instructions on page 3. | 1 | Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) | |
| | 2 | Business name/disregarded entity name, if different from above. | |
| | 3a | Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C corporation <input type="checkbox"/> S corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate <input type="checkbox"/> LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____ Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) _____ | 4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ <i>(Applies to accounts maintained outside the United States.)</i> |
| | 3b | If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions <input type="checkbox"/> | |
| | 5 | Address (number, street, and apt. or suite no.). See instructions. | Requester's name and address (optional) |
| | 6 | City, state, and ZIP code | |
| | 7 | List account number(s) here (optional) | |

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

| | | | | | | | | | |
|---------------------------------------|--|--|--|---|--|--|--|--|--|
| Social security number | | | | | | | | | |
| | | | | - | | | | | |
| or | | | | | | | | | |
| Employer identification number | | | | | | | | | |
| | | | | | | | | | |

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

| | | |
|------------------|--------------------------|------|
| Sign Here | Signature of U.S. person | Date |
|------------------|--------------------------|------|

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

must obtain your correct taxpayer identification number (TIN), which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid).
- Form 1099-DIV (dividends, including those from stocks or mutual funds).
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds).
- Form 1099-NEC (nonemployee compensation).
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers).
- Form 1099-S (proceeds from real estate transactions).
- Form 1099-K (merchant card and third-party network transactions).
- Form 1098 (home mortgage interest), 1098-E (student loan interest), and 1098-T (tuition).
- Form 1099-C (canceled debt).
- Form 1099-A (acquisition or abandonment of secured property).

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

Caution: If you don't return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See *What is backup withholding*, later.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued);
2. Certify that you are not subject to backup withholding; or
3. Claim exemption from backup withholding if you are a U.S. exempt payee; and
4. Certify to your non-foreign status for purposes of withholding under chapter 3 or 4 of the Code (if applicable); and
5. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting is correct. See *What Is FATCA Reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding. Payments made to foreign persons, including certain distributions, allocations of income, or transfers of sales proceeds, may be subject to withholding under chapter 3 or chapter 4 of the Code (sections 1441–1474). Under those rules, if a Form W-9 or other certification of non-foreign status has not been received, a withholding agent, transferee, or partnership (payor) generally applies presumption rules that may require the payor to withhold applicable tax from the recipient, owner, transferor, or partner (payee). See Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*.

The following persons must provide Form W-9 to the payor for purposes of establishing its non-foreign status.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the disregarded entity.
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the grantor trust.
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust and not the beneficiaries of the trust.

See Pub. 515 for more information on providing a Form W-9 or a certification of non-foreign status to avoid withholding.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person (under Regulations section 1.1441-1(b)(2)(iv) or other applicable section for chapter 3 or 4 purposes), do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515). If you are a qualified foreign pension fund under Regulations section 1.897(l)-1(d), or a partnership that is wholly owned by qualified foreign pension funds, that is treated as a non-foreign person for purposes of section 1445 withholding, do not use Form W-9. Instead, use Form W-8EXP (or other certification of non-foreign status).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a saving clause. Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if their stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first Protocol) and is relying on this exception to claim an exemption from tax on their scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include, but are not limited to, interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third-party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester;
2. You do not certify your TIN when required (see the instructions for Part II for details);
3. The IRS tells the requester that you furnished an incorrect TIN;
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only); or
5. You do not certify to the requester that you are not subject to backup withholding, as described in item 4 under "*By signing the filled-out form*" above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

See also *Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding*, earlier.

What Is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all U.S. account holders that are specified U.S. persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you are no longer tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account, for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

- **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note for ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040 you filed with your application.

- **Sole proprietor.** Enter your individual name as shown on your Form 1040 on line 1. Enter your business, trade, or "doing business as" (DBA) name on line 2.

- **Partnership, C corporation, S corporation, or LLC, other than a disregarded entity.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

- **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. Enter any business, trade, or DBA name on line 2.

- **Disregarded entity.** In general, a business entity that has a single owner, including an LLC, and is not a corporation, is disregarded as an entity separate from its owner (a disregarded entity). See Regulations section 301.7701-2(c)(2). A disregarded entity should check the appropriate box for the tax classification of its owner. Enter the owner's name on line 1. The name of the owner entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For

example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2. If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, enter it on line 2.

Line 3a

Check the appropriate box on line 3a for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3a.

| IF the entity/individual on line 1 is a(n) . . . | THEN check the box for . . . |
|--|--|
| • Corporation | Corporation. |
| • Individual or • Sole proprietorship | Individual/sole proprietor. |
| • LLC classified as a partnership for U.S. federal tax purposes or • LLC that has filed Form 8832 or 2553 electing to be taxed as a corporation | Limited liability company and enter the appropriate tax classification: P = Partnership, C = C corporation, or S = S corporation. |
| • Partnership | Partnership. |
| • Trust/estate | Trust/estate. |

Line 3b

Check this box if you are a partnership (including an LLC classified as a partnership for U.S. federal tax purposes), trust, or estate that has any foreign partners, owners, or beneficiaries, and you are providing this form to a partnership, trust, or estate, in which you have an ownership interest. You must check the box on line 3b if you receive a Form W-8 (or documentary evidence) from any partner, owner, or beneficiary establishing foreign status or if you receive a Form W-9 from any partner, owner, or beneficiary that has checked the box on line 3b.

Note: A partnership that provides a Form W-9 and checks box 3b may be required to complete Schedules K-2 and K-3 (Form 1065). For more information, see the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

If you are required to complete line 3b but fail to do so, you may not receive the information necessary to file a correct information return with the IRS or furnish a correct payee statement to your partners or beneficiaries. See, for example, sections 6698, 6722, and 6724 for penalties that may apply.

Line 4 Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third-party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space on line 4.

1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2).

- 2—The United States or any of its agencies or instrumentalities.
- 3—A state, the District of Columbia, a U.S. commonwealth or territory, or any of their political subdivisions or instrumentalities.
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities.
- 5—A corporation.
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or territory.
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission.
- 8—A real estate investment trust.
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940.
- 10—A common trust fund operated by a bank under section 584(a).
- 11—A financial institution as defined under section 581.
- 12—A middleman known in the investment community as a nominee or custodian.
- 13—A trust exempt from tax under section 664 or described in section 4947.

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

| IF the payment is for . . . | THEN the payment is exempt for . . . |
|--|---|
| • Interest and dividend payments | All exempt payees except for 7. |
| • Broker transactions | Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012. |
| • Barter exchange transactions and patronage dividends | Exempt payees 1 through 4. |
| • Payments over \$600 required to be reported and direct sales over \$5,000 ¹ | Generally, exempt payees 1 through 5. ² |
| • Payments made in settlement of payment card or third-party network transactions | Exempt payees 1 through 4. |

¹ See Form 1099-MISC, Miscellaneous Information, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) entered on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37).

B—The United States or any of its agencies or instrumentalities.

C—A state, the District of Columbia, a U.S. commonwealth or territory, or any of their political subdivisions or instrumentalities.

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i).

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i).

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state.

G—A real estate investment trust.

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940.

I—A common trust fund as defined in section 584(a).

J—A bank as defined in section 581.

K—A broker.

L—A trust exempt from tax under section 664 or described in section 4947(a)(1).

M—A tax-exempt trust under a section 403(b) plan or section 457(g) plan.

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, enter "NEW" at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have, and are not eligible to get, an SSN, your TIN is your IRS ITIN. Enter it in the entry space for the Social security number. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/EIN. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or Form SS-4 mailed to you within 15 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and enter "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, you will generally have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon. See also *Establishing U.S. status for purposes of chapter 3 and chapter 4 withholding*, earlier, for when you may instead be subject to withholding under chapter 3 or 4 of the Code.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983. You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third-party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

| For this type of account: | Give name and SSN of: |
|--|---|
| 1. Individual | The individual |
| 2. Two or more individuals (joint account) other than an account maintained by an FFI | The actual owner of the account or, if combined funds, the first individual on the account ¹ |
| 3. Two or more U.S. persons (joint account maintained by an FFI) | Each holder of the account |
| 4. Custodial account of a minor (Uniform Gift to Minors Act) | The minor ² |
| 5. a. The usual revocable savings trust (grantor is also trustee) | The grantor-trustee ¹ |
| b. So-called trust account that is not a legal or valid trust under state law | The actual owner ¹ |
| 6. Sole proprietorship or disregarded entity owned by an individual | The owner ³ |
| 7. Grantor trust filing under Optional Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))** | The grantor* |

| For this type of account: | Give name and EIN of: |
|---|---------------------------|
| 8. Disregarded entity not owned by an individual | The owner |
| 9. A valid trust, estate, or pension trust | Legal entity ⁴ |
| 10. Corporation or LLC electing corporate status on Form 8832 or Form 2553 | The corporation |
| 11. Association, club, religious, charitable, educational, or other tax-exempt organization | The organization |
| 12. Partnership or multi-member LLC | The partnership |
| 13. A broker or registered nominee | The broker or nominee |
| 14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments | The public entity |
| 15. Grantor trust filing Form 1041 or under the Optional Filing Method 2, requiring Form 1099 (see Regulations section 1.671-4(b)(2)(i)(B))** | The trust |

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name on line 1, and enter your business or DBA name, if any, on line 2. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.)

* **Note:** The grantor must also provide a Form W-9 to the trustee of the trust.

** For more information on optional filing methods for grantor trusts, see the Instructions for Form 1041.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information, such as your name, SSN, or other identifying information, without your permission to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax return preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity, or a questionable credit report, contact the IRS Identity Theft Hotline at 800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 877-777-4778 or TTY/TDD 800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Go to www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and territories for use in administering their laws. The information may also be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payors must generally withhold a percentage of taxable interest, dividends, and certain other payments to a payee who does not give a TIN to the payor. Certain penalties may also apply for providing false or fraudulent information.

NON-COLLUSION AFFIDAVIT

State of _____

County of _____

BID IDENTIFICATION: _____

CONTRACTOR: _____

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

_____ (sole owner, a partner, president, secretary, etc.) of

(Name of Company)

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

Signed _____

Title _____

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

SEAL

Notary Public

DISPUTE RESOLUTION AND ADMINISTRATIVE CLAIM PROCESS

Union County's Dispute Resolution and Administrative Claim Process is premised on the partnering approach to construction administration. The Contractor must adhere to the Process in order to resolve disputes on the project and in order to seek additional compensation or contract time from Union County in the form of an Administrative Claim.

Disputes and Claims

Disputes include disagreements, matters in question, and differences of opinion between Union County's personnel and the Contractor. Claims are disputes that are not settled through Steps 1 and 2 of the Dispute Resolution and Administrative Claim Process and for which the Contractor has documented costs or time incurred as a result of such disputes.

Disputes and claims by subcontractors and suppliers may be pursued by the Contractor on behalf of subcontractors or suppliers. Disputes and claims of subcontractors and suppliers against the Contractor will not be reviewed by Union County. Disputes and claims by subcontractors and suppliers against Union County, but not supported by the Contractor, will not be reviewed by Union County.

Disputes and claims subject to review by Union County include:

1. Interpretation of specifications, standard drawings, plans, proposals, working drawings, change orders, authorized by the Board of Union County Commissioners, and orders by Union County personnel having authority over the project, provided that such orders have been authorized in accordance with Ohio Law.
2. Differing site conditions as defined in ODOT Construction and Material Specification (ODOT Spec.) 104.02.B., 2010 CMS
3. Cost and time incurred by:
 - a. Suspension of work pursuant to ODOT Spec. 104.02.C.
 - b. Significant changes in character of work pursuant to ODOT Spec. 104.02D.
 - c. Utility interference with the work pursuant to ODOT Spec. 105.07 and Utility notes.
 - d. Extra work ordered pursuant to ODOT Spec. 104.02.F and the policy on Change Orders.
 - e. Acts or inaction of Union County or other government agencies.
4. Contract time extensions due to weather, shortages of labor, equipment, or materials, or other causes beyond the Contractor's control as defined in ODOT Spec. 108.06.
5. Other subjects mutually agreed upon by Union County and Contractor to be within the scope of the Dispute Resolution and Administrative Claim Process.

Process

The Contractor must exhaust Union County's Dispute Resolution and Administrative Claim Process prior to seeking additional compensation or contract time by filing an action in any appropriate Court located in Union County, Ohio. The following procedures do not compromise the Contractor's right to seek relief in any appropriate Court located in Union County, Ohio.

All parties to the dispute must adhere to the Dispute Resolution and Administrative Claim Process. Union County personnel involved in second or third tier reviews will not consider a dispute until the previous tier has properly reviewed the dispute and issued a decision. The Contractor's personnel shall not contact Union County personnel involved in a second or third tier review until a decision has been issued by the previous tier.

Failure to meet any of the timeframes outlined below or to request an extension may terminate further review of the dispute and may serve as a waiver of the Contractor's right to file a claim.

Continuation of Work:

At the discretion of Union County, the Contractor shall continue with all work, including that which is in dispute. Union County will continue to pay for the work.

Step 1 (On-Site Determination):

The Construction Engineer/Project Manager shall meet with the Contractor's Superintendent within two (2) working days of receipt of the Contractor Written Early Notice set forth in ODOT Spec. 104.02G. They shall review all pertinent information and contract provisions and negotiate in an effort to reach a resolution according to the Contract Documents. The Construction Engineer will issue a written decision of Step 1 within fourteen (14) calendar days of the meeting. If the dispute is not resolved, the Contractor must either abandon or escalate the dispute to Step 2.

Step 2 (Dispute Resolution Committee):

Within seven (7) calendar days of receipt of Step 1 decision, the Contractor must submit a written request for a Step 2 meeting to Union County Engineer. The Engineer will assign the dispute a dispute number. The dispute number will consist of the project number, followed by a hyphen and then the number of disputes on this project that this dispute represents. Within fourteen (14) calendar days of receipt of the request for a Step 2 meeting, the Contractor shall submit the Dispute Documentation as follows:

1. The Contractor shall submit three (3) complete copies of the documentation of the dispute to the County Engineer.
2. The Dispute Documentation shall be identified on a cover page by county, project number, Contractor name, subcontractor or supplier of involved in the dispute, and dispute number.
3. The Dispute Documentation shall be an original document that clearly and in detail gives the required information for each item of additional compensation and time extension required.

4. A narrative of the disputed work or project circumstances at issue. This section must include the dates of the disputed work and the date of early notice.
5. References to the applicable provisions of the plans, specifications, proposal, or other contract documents. Copies of the cited provisions shall be included in the Dispute Documentation.
6. The dollar amount of additional compensation and length of contract time extension being requested.
7. The cost and supporting documents that served as the basis for the requested compensation stated in number six (6) above.
8. A detailed schedule analysis must be included in the Dispute Documentation for any dispute concerning additional contract time, actual or constructive acceleration, or delay damages. At a minimum, the schedule analysis must include the Schedule Update immediately preceding the occurrence of the circumstances alleged to have caused delay and must comply with accepted industry practices. Failure to submit the required schedule analysis will result in the denial of that portion of the Contractor's request.
9. Copies of relevant correspondence and other pertinent documentation.

Union County shall establish a Dispute Resolution Committee (DRC) which shall be responsible for hearing and deciding disputes at the Step 2 level. The DRC must include the Union County Engineer and the Union County Engineer's Project Engineer.

To prepare the DRC meeting, the Project Engineer will create a file on the dispute and assign a person to review and manage the dispute. This manager will advise the Construction Department on the status of the dispute.

The DRC shall meet with personnel from the Contractor's headquarters and consider the dispute within fourteen (14) calendar days of receipt of the Contractor's Dispute Documentation. The DRC will issue a written decision of Step 2 within fourteen (14) calendar days as of the meeting. If the dispute is not resolved, the Contractor must either abandon or escalate the dispute to Step 3.

Step 3

If not resolved, go through the proper legal proceedings through the appropriate court located in Union County, Ohio.



Sales and Use Tax Construction Contract Exemption Certificate

Identification of Contract:

Contractee's (owner's) name _____

Exact location of job/project _____

Name of job/project as it appears on contract documentation _____

The undersigned hereby certifies that the tangible personal property purchased under this exemption certificate was purchased for incorporation into:

| | |
|---|---|
| <input type="checkbox"/> Real property under a construction contract with the United States government, its agencies, the state of Ohio or an Ohio political subdivision; | <input type="checkbox"/> Real property that is owned, or will be accepted for ownership at the time of completion, by the United States government, its agencies, the state of Ohio or an Ohio political subdivision; |
| <input type="checkbox"/> A horticulture structure or livestock structure for a person engaged in the business of horticulture or producing livestock; | <input type="checkbox"/> A house of public worship or religious education; |
| <input type="checkbox"/> A building used exclusively for charitable purposes by a nonprofit organization operated exclusively for charitable purposes as defined in Ohio Revised Code (R.C.) section 5739.02(B)(12); | <input type="checkbox"/> A building under a construction contract with an organization exempt from taxation under section 501(c)(3) of the Internal Revenue Code of 1986 when the building is to be used exclusively for the organization's exempt purposes; |
| <input type="checkbox"/> The original construction of a sports facility under R.C. section 307.696; | <input type="checkbox"/> A hospital facility entitled to exemption under R.C. section 140.08; |
| <input type="checkbox"/> Real property outside this state if such materials and services, when sold to a construction contractor in the state in which the real property is located for incorporation into real property in that state, would be exempt from a tax on sales levied by that state; | <input type="checkbox"/> Building and construction materials and services sold for incorporation into real property comprising a convention center that qualifies for property tax exemption under R.C. 5709.084 (until one calendar year after the construction is completed). |

The original of this certificate must be signed by the owner/contractee and/or government official and must be retained by the prime contractor. Copies must be maintained by the owner/contractee and all subcontractors. When copies are issued to suppliers when purchasing materials, each copy must be signed by the contractor or subcontractor making the purchase.

Prime Contractor

Name _____
Signed by _____
Title _____
Street address _____
City, state, ZIP code _____
Date _____

Owner/Contractee

Name _____
Signed by _____
Title _____
Street address _____
City, state, ZIP code _____
Date _____

Subcontractor

Name _____
Signed by _____
Title _____
Street address _____
City, state, ZIP code _____
Date _____

Political Subdivision

Name _____
Signed by _____
Title _____
Street address _____
City, state, ZIP code _____
Date _____

Prevailing Wage Determination Cover Letter

County: UNION ▼
Determination Date: 06/24/2024
Expiration Date: 09/24/2024

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

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

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

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

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

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

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

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

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

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

A further requirement of Section 4115.05 of the Ohio Revised Code is: "On the occasion of the first pay date under a contract, the contractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of Labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage Coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed."

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

THIS PACKET IS NOT TO BE SEPARATED BUT IS TO REMAIN COMPLETE AS IT IS SUBMITTED TO YOU. (Reference guidelines and forms are included in this packet to be helpful in the compliance of the Prevailing Wage law.)
wh1500



PREVAILING WAGE THRESHOLD LEVELS IMPORTANT NOTICE

Before advertising for bids, contracting, or undertaking construction with its own forces, to construct a public improvement, the Public Authority shall have the Ohio Department of Commerce-Division of Industrial Compliance, Bureau of Wage and Hour Administration determine the prevailing rates of wages for workers employed on the public improvement. The wage determination must be included in the project specifications and printed on the bidding blanks where work is done by contract.

| | |
|---|------------------|
| “New” construction threshold for <i>Building Construction</i>: | \$250,000 |
|---|------------------|

| | |
|---|-----------------|
| “Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” threshold level for <i>Building Construction</i>: | \$75,000 |
|---|-----------------|

As of January 1, 2024:

| | |
|---|-----------------|
| “New” construction that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to: | \$98,974 |
|---|-----------------|

| | |
|---|-----------------|
| “Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to: | \$29,653 |
|---|-----------------|

- A) Thresholds are to be adjusted biennially by the Director of the Ohio Department of Commerce.
- B) Biennial adjustments to threshold levels are made according to the Building Cost for Skilled Labor Index published by McGraw-Hill’s Engineering News-Record, but may not increase or decrease more than 3% for any year.

If there are questions concerning this notification, please contact:

Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov

Prevailing Wage Contractor Responsibilities



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

[Expand All Sections](#)

General Information ^

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

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$91,150 for new construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction or \$27,309 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting of a public improvement that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction.

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

Penalties for violation

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

Intentional Violations

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

Intentional failure to submit payroll reports as required, or knowingly submitting false or erroneous reports.

Intentional misclassification of employees for the purpose of reducing wages.

Intentional misclassification of employees as independent contractors or as apprentices.

Intentional failure to pay the prevailing wage.

Intentional failure to comply with the allowable ratio of apprentices to skilled workers as required by the regulations established by Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration.

Intentionally employing an officer, of a contractor or subcontractor, that is known to be prohibited from contracting, directly or indirectly, with a public authority.

Responsibilities



Pay the prevailing rate of wages as shown in the wage rate schedules issued by the Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration, for the classification of work being performed.

Wage rate schedules include all modifications, corrections, escalations, or reductions to wage rates issued for the project.

Overtime must be paid at time and one-half the employee's base hourly rate. Fringe benefits are paid at straight time rate for all hours including overtime.

Prevailing wages must be paid in full without any deduction for food, lodging, transportation, use of tools, etc.; unless, the employee has voluntarily consented to these deductions in writing. The public authority and the Director of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration - must approve these deductions as fair and reasonable. Consent and approval must be obtained before starting the project.

Use of Apprentices and Helpers cannot exceed the ratios permitted in the wage rate schedules.

Apprentices must be registered with the U.S. Department of Labor Bureau of Apprenticeship and Training.

Contractors must provide the Prevailing Wage Coordinator a copy of the Apprenticeship Agreement for each apprentice on the project.

Keep full and accurate payroll records available for inspection by any authorized representative of the Ohio Department of Commerce, Division of Industrial Compliance, and Labor, Bureau of Wage and Hour Administration or the contracting public authority, including the Prevailing Wage Coordinator. Records should include but are not limited to:

Time cards, time sheets, daily work records, etc.

Payroll ledger\journals and canceled checks\check register.

Fringe benefit records must include program, address, account number, & canceled checks.

Records made in connection with the public improvement must not be removed from the State for one year following the completion of the project.

Out-of-State Corporations must submit to the Ohio Secretary of State the full name and address of their Statutory Agent in Ohio.

Prevailing Wage Rate Schedule must be posted on the job site where it is accessible to all employees.

Prior to submitting the initial payroll report, supply the Prevailing Wage Coordinator with your project dates to schedule reporting of your payrolls.

Supply the Prevailing Wage Coordinator a list of all subcontractors including the name, address, and telephone number for each.

Contractors are responsible for their subcontractors' compliance with requirements of Chapter 4115 of the Ohio Revised Code.

Before employees start work on the project, supply them with written notification of their job classification, prevailing wage rate, fringe benefit amounts, and the name of the Prevailing Wage Coordinator for the project. A copy of the completed signed notification should be submitted to Prevailing Wage Coordinator.

Supply all subcontractors with the Prevailing Wage Rates and changes.

Submit certified payrolls within two (2) weeks after the initial pay period. Payrolls must include the following information:

Employees' names, addresses, and social security numbers.

Corporate officers/owners/partners and any salaried personnel who do physical work on the project are considered employees. All rate and reporting requirements are applicable to these individuals.

Employees' work classification.

Be specific about the laborers and/or operators (Group)

For all apprentices, show level/year and percent of journeyman's rate

Hours worked on the project for each employee.

The number of hours worked in each day and the total number of hours worked each week.

Hourly rate for each employee.

The minimum rate paid must be the wage rate for the appropriate classification. The Department's Wage Rate Schedule sets this rate.

All overtime worked is to be paid at time and one-half for all hours worked more than forty (40) per week.

Where fringes are paid into a bona fide plan instead of cash, list each benefit and amount per hour paid to program for each employee.

When the amount contributed to the fringe benefit plan and the total number of hours worked by the employee on all projects for the year are documented, the

hourly amount is calculated by dividing the total contribution of the employer by the total number of hours worked by the employee.

When the amount contributed to the fringe benefit is documented but not the total hours worked, the hourly amount is calculated by dividing the total yearly contribution by 2080.

Gross amount earned on all projects during the pay period.

Total deductions from employee's wages.

Net amount paid.

The reports shall be certified by the contractor, subcontractor, or duly appointed agent stating that the payroll is correct and complete; and that the wage rates shown are not less than those required by the O.R.C. 4115.

Provide a Final Affidavit to the Prevailing Wage Coordinator upon the completion of the project.

Preparing Certified Payroll Reports

[Expand All Sections](#)

General ^

Contractors and subcontractors are required by law to submit certified payroll reports for work on projects covered by Ohio's Prevailing Wage Law. This form meets the reporting requirements established by Ohio Revised Code Chapter 4115.

Note: The use of this particular form is not mandatory, employers may submit their own forms that are approved by the public authority contracting for the project, provided that all of the required information is included.

Certified Payroll Heading

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

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

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

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

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

Page indicator: number of pages included in the report.

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

Information by Column

Employee Name, Address and Social Security number: This information must be provided for all employees that perform physical labor on the project. Corporate officers, partners, and salaried employees are considered employees and must be paid the prevailing rate. Individual sole proprietors do not have to pay themselves prevailing rate but must report their hours on the project.

Work Class: List classification of work actually performed by employee. If unsure of work classification, consult the Ohio department of Commerce, Wage and Hour Bureau. Employees working more than one classification should have separate line entries for each classification. Indicate what year/level for Apprentices. Be specific when using laborer and operator classifications; for example, Backhoe Operator or Asphalt Laborer.

Hours Worked, Day & Date: In the first row of column 3 enter days of pay period example; M T W T H F S S. The second row is for the date that corresponds with each day for the pay period. In the employee information section enter the number of hours worked on the prevailing wage project and which day the hours were worked. Separate rows are labeled for (ST) straight time hours and (OT) overtime hours. All hours worked after 40, must be paid at the appropriate overtime rate.

Project Total Hours: Total the hours entered for pay period.

Base Rate: Enter actual rate per hour paid to the employee. The overtime hourly rate is time and one-half the base rate listed in the prevailing wage schedule plus fringe benefits at straight time rate. The prevailing wage schedule lists the base rate plus fringe benefit amounts. These

amounts added together equal the total prevailing wage rate. Employers must pay this total amount in one of three ways.

Total rate may be paid in entirety in the base rate to the employee; in which case, the cash designation will be checked for fringe benefits.

Total rate may be paid as listed in prevailing wage rate schedule with total fringe amounts paid approved plans.

Total rate may be paid with a combination of base rate and fringe payments to approved plans in amounts other than those listed in schedule.

Project Gross: Enter total gross wages earned on the project for straight time and overtime.

Project hours X base rate should equal project gross.

Fringes: If fringe benefits are paid in the hourly base rate, indicate this by marking the cash space. If fringe benefits are paid to approved plans as listed in the prevailing wage rate schedule, mark the space Approved Plans. If fringe benefits are paid partially in the base rate and partially to approved plans, mark the space Cash & Approved plans. List the hourly amount paid to approved plans for each fringe. If payments are not made on a per hour basis, calculate the hourly fringe credit by dividing the yearly employer contribution by the lesser of: hours actually worked in the year (these must be documented) or 2080. Fringe benefits include: Employer's share of health insurance, life insurance, retirement plan, bonus/profit sharing, sick pay, holiday pay, personal leave, vacation, and education/training programs.

Total Hours All Jobs: Total all hours worked during the pay period including non-prevailing wage jobs.

Total Gross All Jobs: Gross amount earned in the pay period for all hours worked.

Self explanatory.

Self explanatory.

Self explanatory.

Certified Payroll Report

Report for: Check if Subcontractor¹⁾ Contract No: _____ Payroll No: _____
 Company:¹⁾ _____ If Sub, GC/Prime Contractor Name: _____
 Address: _____ Project Name & Location: _____ Week Ending: _____
 City, State, Zip _____ Public Authority (Owner): _____
 Phone No: _____ Sheet:²⁾ _____ of _____

| 1. Employee Name, Address, & SS# (Last 4 digits if permitted) | 2. Work Class ³⁾ | 3. Prevailing Wage Project Hours Worked - Day & Date | | | | | | | 4. Total Hours | 5. Base Rate | 6. Project Gross | 7. Fringes: <input type="checkbox"/> Cash <input type="checkbox"/> Approved Plans <input type="checkbox"/> Cash & Approved Plans | | | | | | Weekly Payroll Amount | | | |
|---|-----------------------------|--|------|-----|-----|-------|-------|---------------------------|----------------|--------------|------------------|---|----------------------|-------------------------|--|--|--|-----------------------|--|--|--|
| | | Fringe Rate Your Company Pays Per Hour | | | | | | 8. Total Hrs for all Jobs | | | | 9. Total Gross on All Jobs | 10. Total Deductions | 11. Net Pay on All Jobs | | | | | | | |
| | | H&W | Pens | Vac | Hol | Other | Total | | | | | | | | | | | | | | |
| | | OT | | | | | | | | | | | | | | | | | | | |
| | | ST | | | | | | | | | | | | | | | | | | | |
| | | OT | | | | | | | | | | | | | | | | | | | |
| | | ST | | | | | | | | | | | | | | | | | | | |
| | | OT | | | | | | | | | | | | | | | | | | | |
| | | ST | | | | | | | | | | | | | | | | | | | |
| | | OT | | | | | | | | | | | | | | | | | | | |
| | | ST | | | | | | | | | | | | | | | | | | | |

1) By signing below, I certify that: (1) I pay, or supervise the payment of the employees shown above; (2) during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done; (3) the fringe benefits have been paid as indicated above; (4) no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissible deductions as defined in ORC Chapter 4115; and (5) apprentices are registered with the U.S. Dept. of Labor, Bureau of Apprenticeship and Training. I understand that the willful falsification of any of the above statements may subject the Contractor or Subcontractor to civil or criminal prosecution.

Type or Print Name and Title _____ Signature _____ Date _____

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (A)

Change # : LCN01-2024ibLoc23HevHwyA

Craft : Bricklayer Effective Date : 06/05/2024 Last Posted : 06/05/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|---|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Cement Mason Bricklayer Sewer Water Works A | \$33.39 | | \$10.00 | \$9.53 | \$0.53 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$53.45 | \$70.14 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st year | 70.00 | \$23.37 | \$10.00 | \$9.53 | \$0.53 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$43.43 | \$55.12 |
| 2nd year | 80.00 | \$26.71 | \$10.00 | \$9.53 | \$0.53 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$46.77 | \$60.13 |
| 3rd year | 90.00 | \$30.05 | \$10.00 | \$9.53 | \$0.53 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$50.11 | \$65.14 |

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 23 Heavy Hwy (B)

Change # : LCN01-2024ibLoc23HevHwyB

Craft : Bricklayer Effective Date : 06/05/2024 Last Posted : 06/05/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|---|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B | \$34.39 | | \$10.00 | \$9.52 | \$0.54 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$54.45 | \$71.65 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st year | 70.00 | \$24.07 | \$10.00 | \$9.52 | \$0.54 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$44.13 | \$56.17 |
| 2nd year | 80.00 | \$27.51 | \$10.00 | \$9.52 | \$0.54 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$47.57 | \$61.33 |
| 3rd year | 90.00 | \$30.95 | \$10.00 | \$9.52 | \$0.54 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$51.01 | \$66.49 |

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

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

Jurisdiction (* denotes special jurisdictional note) :

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

TRUMBULL, TUSCARAWAS, UNION, VAN WERT,
VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter & Piledriver SC District HevHwy

Change # : LCN01-2024ibCarpSCHevHwy

Craft : Carpenter Effective Date : 05/08/2024 Last Posted : 05/08/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|----------------|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Journeyman | \$33.00 | | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$55.59 | \$72.09 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st 6 months | 60.00 | \$19.80 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$42.39 | \$52.29 |
| 2nd 6 months | 65.00 | \$21.45 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$44.04 | \$54.77 |
| 3rd 6 months | 70.00 | \$23.10 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$45.69 | \$57.24 |
| 4th 6 months | 75.00 | \$24.75 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$47.34 | \$59.72 |
| 5th 6 months | 80.00 | \$26.40 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$48.99 | \$62.19 |
| 6th 6 months | 85.00 | \$28.05 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$50.64 | \$64.67 |
| 7th 6 months | 90.00 | \$29.70 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$52.29 | \$67.14 |
| 8th 6 months | 95.00 | \$31.35 | \$8.20 | \$10.78 | \$0.60 | \$0.00 | \$2.85 | \$0.16 | \$0.00 | \$0.00 | \$53.94 | \$69.61 |

Special Calculation Note : Other is UBC National Fund

Ratio :

1 Journeymen to 1 Apprentice

An employer shall have the right to employ one (1) Apprentice for one (1) Journeyman Carpenter in its employment for the first Apprentice employed, and 1 (1) Apprentice for two (2) Journeyman Carpenter for additional Apprentices employed.

Thereafter, every third additional carpenter hired shall be an apprentice, if available, and if practical for the type of work being performed.

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note : **Highway Construction, Airport Construction, Heavy Construction but not limited to: (Tunnels, subways, drainage projects, flood control, reservoirs). Railroad Construction,

Sewer Waterworks & Utility Construction but not limited to: (storm sewers, waterlines, gaslines). Industrial & Building site, Power Plant, Amusement Park, Athletic stadium site, Sewer and Water Plants. When the contractor furnishes the necessary underwater gear for the diver, the diver shall be paid one and one half (1 & 1/2) times the journeyman rate for the time spent in the water.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy

Change # : LCN01-2024ibCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2024 Last Posted : 05/01/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|-----------------------|----------------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Cement Mason | \$34.74 | | \$8.80 | \$7.65 | \$0.75 | \$0.00 | \$2.25 | \$0.07 | \$0.00 | \$0.00 | \$54.26 | \$71.63 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st Year | 70.00 | \$24.32 | \$8.80 | \$7.65 | \$0.75 | \$0.00 | \$2.25 | \$0.07 | \$0.00 | \$0.00 | \$43.84 | \$56.00 |
| 2nd Year | 80.00 | \$27.79 | \$8.80 | \$7.65 | \$0.75 | \$0.00 | \$2.25 | \$0.07 | \$0.00 | \$0.00 | \$47.31 | \$61.21 |
| 3rd Year | 90.00 | \$31.27 | \$8.80 | \$7.65 | \$0.75 | \$0.00 | \$2.25 | \$0.07 | \$0.00 | \$0.00 | \$50.79 | \$66.42 |
| 4th Year | 95.00 | \$33.00 | \$8.80 | \$7.65 | \$0.75 | \$0.00 | \$3.25 | \$0.07 | \$0.00 | \$0.00 | \$53.52 | \$70.02 |

Special Calculation Note : Other \$0.07 is for International Training Fund

4th Year Apprentice Rate (95%) is only applicable to the jurisdiction of Local 404, this includes Ashtabula, Cuyahoga, Geauga, Lake, and Lorain counties.

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

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

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

*For Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work, Pollution Control, Sewer Plant, Waste & Water Plant, Water Treatment Facility Construction work in the following Counties: Ashtabula, Cuyahoga, Fulton, Geauga, Hancock, Henry, Lake, Lucas, Putnam and Wood Counties, those counties will use the Cement Mason Statewide Heavy Highway Exhibit B District 1 Wage Rate.

Details :

This rate replaces the previous Cement Mason Heavy Highway Statewide Rates (Exhibit A and Exhibit B rates), except for Cement Mason Statewide Heavy Highway Exhibit B Dist 1. sks

Prevailing Wage Rate Skilled Crafts

Name of Union: **Electrical Local 71 Outside Utility Power**

Change # : LCN01-2024ibLoc7

Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024

| | BHR | Fringe Benefit Payments | | | | | | Irrevocable Fund | | Total PWR | Overtime Rate |
|---------------------------------|---------|-------------------------|---------|---------|--------|---------|--------|------------------|----------|-----------|---------------|
| | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | |
| Electrical Lineman | \$47.99 | \$7.25 | \$1.44 | \$0.48 | \$0.00 | \$11.52 | \$0.75 | \$0.00 | \$0.00 | \$69.43 | \$93.42 |
| Substation Technician | \$47.99 | \$7.25 | \$1.44 | \$0.48 | \$0.00 | \$11.52 | \$0.75 | \$0.00 | \$0.00 | \$69.43 | \$93.42 |
| Cable Splicer | \$50.26 | \$7.25 | \$1.51 | \$0.50 | \$0.00 | \$12.06 | \$0.75 | \$0.00 | \$0.00 | \$72.33 | \$97.46 |
| Operator A | \$43.01 | \$7.25 | \$1.29 | \$0.43 | \$0.00 | \$10.32 | \$0.75 | \$0.00 | \$0.00 | \$63.05 | \$84.56 |
| Operator B | \$38.02 | \$7.25 | \$1.14 | \$0.38 | \$0.00 | \$9.12 | \$0.75 | \$0.00 | \$0.00 | \$56.66 | \$75.67 |
| Operator C | \$30.52 | \$7.25 | \$0.92 | \$0.31 | \$0.00 | \$7.32 | \$0.75 | \$0.00 | \$0.00 | \$47.07 | \$62.33 |
| Groundman 0-12 months Exp | \$24.00 | \$7.25 | \$0.72 | \$0.24 | \$0.00 | \$5.76 | \$0.75 | \$0.00 | \$0.00 | \$38.72 | \$50.72 |
| Groundman 0-12 months Exp w/CDL | \$26.40 | \$7.25 | \$0.79 | \$0.26 | \$0.00 | \$6.33 | \$0.75 | \$0.00 | \$0.00 | \$41.78 | \$54.98 |
| Groundman 1 yr or more | \$26.40 | \$7.25 | \$0.79 | \$0.26 | \$0.00 | \$6.33 | \$0.75 | \$0.00 | \$0.00 | \$41.78 | \$54.98 |
| Groundman 1 yr or more w/CDL | \$31.19 | \$7.25 | \$0.94 | \$0.31 | \$0.00 | \$7.49 | \$0.75 | \$0.00 | \$0.00 | \$47.93 | \$63.53 |
| Equipment Mechanic A | \$38.02 | \$7.25 | \$1.14 | \$0.38 | \$0.00 | \$9.12 | \$0.75 | \$0.00 | \$0.00 | \$56.66 | \$75.67 |
| Equipment Mechanic B | \$34.28 | \$7.25 | \$1.03 | \$0.34 | \$0.00 | \$8.23 | \$0.75 | \$0.00 | \$0.00 | \$51.88 | \$69.02 |
| Equipment Mechanic C | \$30.52 | \$7.25 | \$0.92 | \$0.31 | \$0.00 | \$7.32 | \$0.75 | \$0.00 | \$0.00 | \$47.07 | \$62.33 |
| Line Truck w/uuger | \$33.65 | \$7.25 | \$1.01 | \$0.34 | \$0.00 | \$8.08 | \$0.75 | \$0.00 | \$0.00 | \$51.08 | \$67.90 |

| Apprentice | Percent | | | | | | | | | | | |
|--------------|---------|---------|--------|--------|--------|--------|---------|--------|--------|--------|---------|---------|
| 1st 1000 hrs | 60.00 | \$28.79 | \$7.25 | \$0.86 | \$0.29 | \$0.00 | \$6.91 | \$0.75 | \$0.00 | \$0.00 | \$44.85 | \$59.25 |
| 2nd 1000 hrs | 65.00 | \$31.19 | \$7.25 | \$0.94 | \$0.31 | \$0.00 | \$7.49 | \$0.75 | \$0.00 | \$0.00 | \$47.93 | \$63.53 |
| 3rd 1000 hrs | 70.00 | \$33.59 | \$7.25 | \$1.01 | \$0.34 | \$0.00 | \$8.06 | \$0.75 | \$0.00 | \$0.00 | \$51.00 | \$67.80 |
| 4th 1000 hrs | 75.00 | \$35.99 | \$7.25 | \$1.08 | \$0.36 | \$0.00 | \$8.64 | \$0.75 | \$0.00 | \$0.00 | \$54.07 | \$72.07 |
| 5th 1000 hrs | 80.00 | \$38.39 | \$7.25 | \$1.15 | \$0.38 | \$0.00 | \$9.21 | \$0.75 | \$0.00 | \$0.00 | \$57.13 | \$76.33 |
| 6th 1000 hrs | 85.00 | \$40.79 | \$7.25 | \$1.22 | \$0.41 | \$0.00 | \$9.79 | \$0.75 | \$0.00 | \$0.00 | \$60.21 | \$80.61 |
| 7th 1000 hrs | 90.00 | \$43.19 | \$7.25 | \$1.30 | \$0.43 | \$0.00 | \$10.37 | \$0.75 | \$0.00 | \$0.00 | \$63.29 | \$84.89 |

Special Calculation Note : Other is Health Retirement Account

Operator "A"

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

Operator "B"

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

Operator "C"

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

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note : 0.30 is for Health Retirement Account.

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the

Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

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

Change # : OCR01-2024ibLoc71CentralOhio

Craft : Lineman Effective Date : 02/09/2024 Last Posted : 02/09/2024

| | BHR | Fringe Benefit Payments | | | | | | Irrevocable Fund | | Total PWR | Overtime Rate |
|--------------------------------------|---------|-------------------------|---------|---------|--------|---------|--------|------------------|----------|-----------|---------------|
| | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | |
| Electrical Lineman | \$44.52 | \$7.25 | \$1.34 | \$0.45 | \$0.00 | \$8.90 | \$0.50 | \$0.00 | \$0.00 | \$62.96 | \$85.22 |
| Traffic Signal & Lighting Journeyman | \$42.93 | \$7.25 | \$1.29 | \$0.42 | \$0.00 | \$8.59 | \$0.50 | \$0.00 | \$0.00 | \$60.98 | \$82.45 |
| Equipment Operator | \$39.11 | \$7.25 | \$1.17 | \$0.39 | \$0.00 | \$7.82 | \$0.50 | \$0.00 | \$0.00 | \$56.24 | \$75.79 |
| Groundman 0-12 months (W/O CDL) | \$23.71 | \$7.25 | \$0.71 | \$0.24 | \$0.00 | \$4.74 | \$0.50 | \$0.00 | \$0.00 | \$37.15 | \$49.01 |
| Groundman 0-12 Months W/CDL | \$25.71 | \$7.25 | \$0.77 | \$0.26 | \$0.00 | \$5.18 | \$0.50 | \$0.00 | \$0.00 | \$39.67 | \$52.53 |
| Groundman greater than 1 Year W/CDL | \$28.11 | \$7.25 | \$0.84 | \$0.28 | \$0.00 | \$5.62 | \$0.50 | \$0.00 | \$0.00 | \$42.60 | \$56.66 |
| Traffic Signal Apprentices | | | | | | | | | | | |
| 1st 1,000 hours | \$25.76 | \$7.25 | \$0.77 | \$0.26 | \$0.00 | \$5.15 | \$0.50 | \$0.00 | \$0.00 | \$39.69 | \$52.57 |
| 2nd 1,000 hours | \$27.90 | \$7.25 | \$0.84 | \$0.28 | \$0.00 | \$5.58 | \$0.50 | \$0.00 | \$0.00 | \$42.35 | \$56.30 |
| 3rd 1,000 hours | \$30.05 | \$7.25 | \$0.90 | \$0.30 | \$0.00 | \$6.01 | \$0.50 | \$0.00 | \$0.00 | \$45.01 | \$60.03 |
| 4th 1,000 hours | \$32.20 | \$7.25 | \$0.97 | \$0.32 | \$0.00 | \$6.44 | \$0.50 | \$0.00 | \$0.00 | \$47.68 | \$63.78 |
| 5th 1,000 hours | \$34.34 | \$7.25 | \$1.03 | \$0.34 | \$0.00 | \$6.87 | \$0.50 | \$0.00 | \$0.00 | \$50.33 | \$67.50 |
| 6th 1,000 hours | \$38.64 | \$7.25 | \$1.16 | \$0.39 | \$0.00 | \$7.73 | \$0.50 | \$0.00 | \$0.00 | \$55.67 | \$74.99 |

| Apprentice Lineman | Percent | | | | | | | | | | | |
|--------------------|-----------------|---------|---------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| | 1st 1,000 Hours | 60.00 | \$26.71 | \$7.25 | \$0.80 | \$0.27 | \$0.00 | \$5.34 | \$0.50 | \$0.00 | \$0.00 | \$40.87 |
| 2nd 1,000 Hours | 65.00 | \$28.94 | \$7.25 | \$0.87 | \$0.29 | \$0.00 | \$5.79 | \$0.50 | \$0.00 | \$0.00 | \$43.64 | \$58.11 |
| 3rd 1,000 Hours | 70.00 | \$31.16 | \$7.25 | \$0.93 | \$0.31 | \$0.00 | \$6.23 | \$0.50 | \$0.00 | \$0.00 | \$46.38 | \$61.97 |
| 4th 1,000 Hours | 75.00 | \$33.39 | \$7.25 | \$1.00 | \$0.33 | \$0.00 | \$6.68 | \$0.50 | \$0.00 | \$0.00 | \$49.15 | \$65.84 |
| 5th 1,000 Hours | 80.00 | \$35.62 | \$7.25 | \$1.07 | \$0.36 | \$0.00 | \$7.12 | \$0.50 | \$0.00 | \$0.00 | \$51.92 | \$69.72 |
| 6th 1,000 Hours | 85.00 | \$37.84 | \$7.25 | \$1.14 | \$0.38 | \$0.00 | \$7.57 | \$0.50 | \$0.00 | \$0.00 | \$54.68 | \$73.60 |
| 7th 1,000 Hours | 90.00 | \$40.07 | \$7.25 | \$1.20 | \$0.40 | \$0.00 | \$8.01 | \$0.50 | \$0.00 | \$0.00 | \$57.43 | \$77.46 |

Special Calculation Note : Other is Health Reimbursement Account

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeyman Lineman, Traffic Signal and Lighting Journeyman or Equipment Operator in the performance of his/her work on the ground, including the use of hand tools. Under no circumstances shall this classification climb poles, towers, or work from an elevated platform or bucket truck. This classification shall not perform work normally assigned to an Apprentice.

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Underground Residential Distribution

Change # : LCN01-2024ibLoc7URD

Craft : Lineman Effective Date : 02/07/2024 Last Posted : 02/07/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|---------------------------------|----------------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| URD Electrician | \$36.41 | | \$7.25 | \$1.09 | \$0.36 | \$0.00 | \$8.74 | \$0.75 | \$0.00 | \$0.00 | \$54.60 | \$72.80 |
| Equipment Operator A | \$32.57 | | \$7.25 | \$0.98 | \$0.33 | \$0.00 | \$7.82 | \$0.75 | \$0.00 | \$0.00 | \$49.70 | \$65.98 |
| Equipment Operator B | \$29.91 | | \$7.25 | \$0.90 | \$0.30 | \$0.00 | \$7.18 | \$0.75 | \$0.00 | \$0.00 | \$46.29 | \$61.25 |
| Directional Drill Locator | \$32.57 | | \$7.25 | \$0.98 | \$0.33 | \$0.00 | \$7.82 | \$0.75 | \$0.00 | \$0.00 | \$49.70 | \$65.98 |
| Directional Drill Operator | \$29.91 | | \$7.25 | \$0.90 | \$0.30 | \$0.00 | \$7.18 | \$0.75 | \$0.00 | \$0.00 | \$46.29 | \$61.25 |
| Groundman 0-12 months Exp | \$23.64 | | \$7.25 | \$0.71 | \$0.24 | \$0.00 | \$5.76 | \$0.75 | \$0.00 | \$0.00 | \$38.35 | \$50.17 |
| Groundman 0-12 months Exp w/CDL | \$26.07 | | \$7.25 | \$0.78 | \$0.26 | \$0.00 | \$6.26 | \$0.75 | \$0.00 | \$0.00 | \$41.37 | \$54.41 |
| Groundman 1 yr or more | \$26.07 | | \$7.25 | \$0.78 | \$0.26 | \$0.00 | \$6.26 | \$0.75 | \$0.00 | \$0.00 | \$41.37 | \$54.41 |
| Groundman 1 yr or more w/CDL | \$30.96 | | \$7.25 | \$0.93 | \$0.31 | \$0.00 | \$7.43 | \$0.75 | \$0.00 | \$0.00 | \$47.63 | \$63.11 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st 1000 hrs | 80.00 | \$29.13 | \$7.25 | \$0.87 | \$0.29 | \$0.00 | \$6.99 | \$0.75 | \$0.00 | \$0.00 | \$45.28 | \$59.84 |
| 2nd 1000 hrs | 85.00 | \$30.95 | \$7.25 | \$0.93 | \$0.31 | \$0.00 | \$7.43 | \$0.75 | \$0.00 | \$0.00 | \$47.62 | \$63.09 |
| 3rd 1000 hrs | 90.00 | \$32.77 | \$7.25 | \$0.98 | \$0.33 | \$0.00 | \$7.86 | \$0.75 | \$0.00 | \$0.00 | \$49.94 | \$66.32 |

| | | | | | | | | | | | | |
|-----------------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 4th 1000 hrs | 95.00 | \$34.59 | \$7.25 | \$1.04 | \$0.35 | \$0.00 | \$8.28 | \$0.75 | \$0.00 | \$0.00 | \$52.26 | \$69.55 |
|-----------------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|

Special Calculation Note : Other: Health Reimbursement Account

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

This work applies to projects designated for any outside Underground Residential Distribution construction work for electrical utilities, municipalities and rural electrification projects.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Voice Data Video Outside

Change # : LCN02-2024ibLoc71VDV

Craft : Voice Data Video Effective Date : 03/06/2024 Last Posted : 03/06/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|-----------------------------------|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Electrical Installer Technician I | \$35.39 | | \$7.25 | \$1.06 | \$0.00 | \$0.00 | \$1.77 | \$0.00 | \$0.00 | \$0.00 | \$45.47 | \$63.17 |
| Installer Technician II | \$33.37 | | \$7.25 | \$1.00 | \$0.00 | \$0.00 | \$1.67 | \$0.00 | \$0.00 | \$0.00 | \$43.29 | \$59.97 |
| Installer Repairman | \$33.37 | | \$7.25 | \$1.00 | \$0.00 | \$0.00 | \$1.67 | \$0.00 | \$0.00 | \$0.00 | \$43.29 | \$59.97 |
| Equipment Operator II | \$24.98 | | \$7.25 | \$0.75 | \$0.00 | \$0.00 | \$1.25 | \$0.00 | \$0.00 | \$0.00 | \$34.23 | \$46.72 |
| Cable Splicer | \$35.39 | | \$7.25 | \$1.06 | \$0.00 | \$0.00 | \$1.77 | \$0.00 | \$0.00 | \$0.00 | \$45.47 | \$63.17 |
| Ground Driver W/CDL | \$16.69 | | \$7.25 | \$0.50 | \$0.00 | \$0.00 | \$0.83 | \$0.00 | \$0.00 | \$0.00 | \$25.27 | \$33.62 |
| Groundman | \$14.57 | | \$7.25 | \$0.44 | \$0.00 | \$0.00 | \$0.73 | \$0.00 | \$0.00 | \$0.00 | \$22.99 | \$30.28 |
| Trainees | Percent | | | | | | | | | | | |
| Trainee F | 50.01 | \$17.70 | \$7.25 | \$0.53 | \$0.00 | \$0.89 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$26.37 | \$35.22 |
| Trainee E | 58.00 | \$20.53 | \$7.25 | \$0.62 | \$0.00 | \$1.03 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$29.43 | \$39.69 |
| Trainee D | 66.00 | \$23.36 | \$7.25 | \$0.70 | \$0.00 | \$1.17 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$32.48 | \$44.16 |
| Trainee C | 74.00 | \$26.19 | \$7.25 | \$0.79 | \$0.00 | \$1.31 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$35.54 | \$48.63 |
| Trainee B | 82.00 | \$29.02 | \$7.25 | \$0.87 | \$0.00 | \$1.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$38.59 | \$53.10 |
| Trainee A | 90.00 | \$31.85 | \$7.25 | \$0.96 | \$0.00 | \$1.59 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$41.65 | \$57.58 |

Special Calculation Note :

Ratio :

1 Trainee to 1 Journeyman

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA,

GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

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

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

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

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

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

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor HevHwy 3

Change # : LCN01-2024ibLocalHevHwy3

Craft : Laborer Group 1 Effective Date : 05/01/2024 Last Posted : 05/01/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|--------------------|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Laborer Group 1 | \$35.52 | | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$50.12 | \$67.88 |
| Group 2 | \$35.69 | | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$50.29 | \$68.13 |
| Group 3 | \$36.02 | | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$50.62 | \$68.63 |
| Group 4 | \$36.47 | | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$51.07 | \$69.30 |
| Watch Person | \$28.25 | | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$42.85 | \$56.98 |
| Apprentice | Percent | | | | | | | | | | | |
| 0-1000 hrs | 60.00 | \$21.31 | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$35.91 | \$46.57 |
| 1001-2000 hrs | 70.00 | \$24.86 | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$39.46 | \$51.90 |
| 2001-3000 hrs | 80.00 | \$28.42 | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$43.02 | \$57.22 |
| 3001-4000 hrs | 90.00 | \$31.97 | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$46.57 | \$62.55 |
| More than 4000 hrs | 100.00 | \$35.52 | \$8.40 | \$4.15 | \$0.45 | \$0.00 | \$1.50 | \$0.00 | \$0.10 | \$0.00 | \$50.12 | \$67.88 |

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

Ratio :

1 Journeymen to 1 Apprentice
3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW,

MUSKINGUM, NOBLE, PAULDING, PERRY,
 PICKAWAY, PIKE, PREBLE, PUTNAM, RICHLAND,
 ROSS, SCIOTO, SENECA, SHELBY,
 TUSCARAWAS, UNION, VAN WERT, VINTON,
 WARREN, WASHINGTON, WAYNE, WILLIAMS,
 WYANDOT

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

Details :

Group 1

Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

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

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C)

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

Group 3

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

Group 4

Miner, Welder, Gunitite Nozzle Person

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

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone II

Change # : LCN01-2024ibLoc18hevhwyl

Craft : Operating Engineer Effective Date : 06/05/2024 Last Posted : 06/05/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|--|----------------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Operator Class A | \$44.14 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$60.74 | \$82.81 |
| Operator Class B | \$44.02 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$60.62 | \$82.63 |
| Operator Class C | \$42.98 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$59.58 | \$81.07 |
| Operator Class D | \$41.80 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$58.40 | \$79.30 |
| Operator Class E | \$36.34 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$52.94 | \$71.11 |
| Master Mechanic | \$45.14 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$61.74 | \$84.31 |
| Crane and Mobile Concrete Pump 150' - 179' | \$44.64 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$61.24 | \$83.56 |
| Crane and Mobile Concrete Pump 180' - 249' | \$45.14 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$61.74 | \$84.31 |
| Crane and Mobile Concrete Pump 250' and Over | \$45.39 | | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$61.99 | \$84.69 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st Year | 50.00 | \$22.07 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$38.67 | \$49.71 |
| 2nd Year | 60.00 | \$26.48 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$43.08 | \$56.33 |
| 3rd Year | 70.00 | \$30.90 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$47.50 | \$62.95 |
| 4th Year | 80.00 | \$35.31 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$51.91 | \$69.57 |
| Field Mech Trainee Class 2 | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|----------|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 1st year | 50.00 | \$22.07 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$38.67 | \$49.71 |
| 2nd year | 60.00 | \$26.48 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$43.08 | \$56.33 |
| 3rd year | 70.00 | \$30.90 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$47.50 | \$62.95 |
| 4th year | 80.00 | \$35.31 | \$9.26 | \$6.25 | \$0.90 | \$0.00 | \$0.00 | \$0.09 | \$0.00 | \$0.10 | \$51.91 | \$69.57 |

Special Calculation Note : Other: Education & Safety Fund
Misc: National Training

Ratio :

For every (3) Operating Engineer Journeymen employed by the company, there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An Apprentice, while employed as part of a crew per Article VIII, paragraph 65 will not be subject to the apprenticeship ratios in this collective bargaining agreement

Jurisdiction (* denotes special jurisdictional note) :

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

Special Jurisdictional Note :

Details :

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

Class A - Air Compressors on Steel Erection; Asphalt Plant Engineers (Cleveland District Only); Barrier Moving Machine; Boiler Operators, Compressor Operators, or Generators, when mounted on a rig; Boom Trucks (all types); Cableways; Cherry Pickers; Combination- Concrete Mixers & Towers; Concrete Plants (over 4 yd capacity); Concrete Pumps; Cranes (all types); Compact Cranes track or rubber over 4,000 pounds capacity; Cranes self-erecting stationary, track or truck; Derricks (all types); Draglines; Dredges dipper, clam or suction; Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls; Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines; Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Industrial-type Tractors; Jet Engine Dryer (D8 or D9) diesel Tractors; Locomotives (standard gauge); Maintenance Operators/Technicians (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Rotary Drills, on caisson work; Rough Terrain Fork Lift with winch/hoist; Side Booms; Slip Form Pavers; Survey Crew Party Chiefs; Tower Derricks; Tree Shredders; Trench Machines (over 24" wide); Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators.

Class B - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or Skid Steer Loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Concrete Saws, Vermeer type; Endloaders; Horizontal Directional Drill (50,000 ft. lbs. thrust and

over); Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Maintenance Operators/Technicians, Class B; Material Transfer Equipment (shuttle buggy) Asphalt; Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Rotomills (all), Grinders and Planners of all types, Groovers (excluding walk-behinds); Trench Machines (24 inch wide and under).

Class C - A-Frames; Air Compressors, on tunnel work (low Pressure); Articulating/straight bed end dumps if assigned (minus \$4.00 per hour); Asphalt Plant Engineers (Portage and Summit Counties only); Bobcat-type and/or skid steer loader with or without attachments; Drones; Highway Drills (all types); HydroVac/Excavator (when a second person is needed, the rate of pay will be "Class E"); Locomotives (narrow gauge); Material Hoist/Elevators; Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Power Boilers (over 15 lbs. pressure); Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rollers, Asphalt; Rotovator (lime-soil Stabilizer); Switch & Tie Tampers (without lifting and aligning device); Utilities Operators, (small equipment); Welding Machines and Generators.

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

Class E - Compressors (portable, Sewer, Heavy and Highway); Cranes-Compact, track or rubber under 4,000 pound capacity; Drum Firemen (asphalt plant); Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/hr); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oil Heaters (asphalt plant); Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalperson; Survey Rodmen or Chairmen; Tire Repairmen; VAC/ALLS.

Master Mechanic - Master Mechanic

Cranes and Mobile Concrete Pumps 150' -179' - Boom & Jib 150 - 179 feet

Cranes and Mobile Concrete Pumps 180' - 249' - Boom & Jib 180 - 249 feet

Cranes and Mobile Concrete Pumps 250' and over - Boom & Jib 250 feet or over

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 1275 HevHwy

Change # : LCN01-2024ibLoc1275

Craft : Painter Effective Date : 05/08/2024 Last Posted : 05/08/2024

| | BHR | Fringe Benefit Payments | | | | | | Irrevocable Fund | | Total PWR | Overtime Rate |
|--|---------|-------------------------|---------|---------|--------|---------|--------|------------------|----------|-----------|---------------|
| | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | |
| Painter Bridge Class 1 | \$39.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$54.52 | \$74.15 |
| Painter Bridges Class 2 Rigger, Containment Builder, Spot Blaster | \$36.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$51.52 | \$69.65 |
| Painter Bridges Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mix, Traffic Control, Boat Person, Driver (0-5 Years Exp.) | \$29.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$44.52 | \$59.15 |
| Painter Bridges Class 3 Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mix, Traffic Control, Boat Person, Driver (plus 5 Years Exp.) | \$32.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$47.52 | \$63.65 |
| Painter Bridges Class 4 Concrete Sealing, Concrete | \$28.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$43.52 | \$57.65 |

| | | | | | | | | | | | | |
|---|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Blasting Power Washing | | | | | | | | | | | | |
| Painter Bridges Class 5 Quality Control, Quality Assurance, Traffic Safety Competent Person | \$32.26 | \$6.50 | \$8.31 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$47.52 | \$63.65 |
| Apprentice | Percent | | | | | | | | | | | |
| 1st 0-1500 hrs | 80.00 | \$31.41 | \$6.50 | \$0.77 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$39.13 | \$54.83 |
| 2nd 1501-3000 hrs | 85.00 | \$33.37 | \$6.50 | \$0.77 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$41.09 | \$57.78 |
| 3rd 3001-4500 hrs | 90.00 | \$35.33 | \$6.50 | \$0.77 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$43.05 | \$60.72 |
| 4th 4501-6000 hrs | 95.00 | \$37.30 | \$6.50 | \$0.77 | \$0.45 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$45.02 | \$63.67 |

Special Calculation Note :

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, KNOX, LICKING, MADISON, MUSKINGUM, PERRY, PICKAWAY, ROSS, UNION

Special Jurisdictional Note :

Details :

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

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 2 Sign

Change # : LCN01-2023ibLoc639

Craft : Painter Effective Date : 03/22/2023 Last Posted : 03/22/2023

| | BHR | Fringe Benefit Payments | | | | | | Irrevocable Fund | | Total PWR | Overtime Rate |
|--|---------|-------------------------|---------|---------|--------|---------|--------|------------------|----------|-----------|---------------|
| | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | |
| Painter Sign Journeyman Tech/Team Leader Class A | \$25.28 | \$1.70 | \$0.21 | \$0.00 | \$0.00 | \$0.00 | \$0.68 | \$0.00 | \$0.00 | \$27.87 | \$40.51 |
| Painter Sign Journeyman Tech/Team Leader Class B | \$25.28 | \$1.70 | \$0.21 | \$0.00 | \$0.49 | \$0.00 | \$0.68 | \$0.00 | \$0.00 | \$28.36 | \$41.00 |
| Painter Sign Journeyman Tech/Team Leader Class C | \$25.28 | \$1.70 | \$0.21 | \$0.00 | \$0.97 | \$0.00 | \$0.68 | \$0.00 | \$0.00 | \$28.84 | \$41.48 |
| Painter Sign Journeyman Tech/Team Leader Class D | \$25.28 | \$1.70 | \$0.21 | \$0.00 | \$1.46 | \$0.00 | \$0.68 | \$0.00 | \$0.00 | \$29.33 | \$41.97 |
| Sign Journeyman Class A | \$25.00 | \$1.70 | \$0.21 | \$0.00 | \$0.00 | \$0.00 | \$0.67 | \$0.00 | \$0.00 | \$27.58 | \$40.08 |
| Sign Journeyman Class B | \$25.00 | \$1.70 | \$0.21 | \$0.00 | \$0.48 | \$0.00 | \$0.67 | \$0.00 | \$0.00 | \$28.06 | \$40.56 |
| Sign Journeyman Class C | \$25.00 | \$1.70 | \$0.21 | \$0.00 | \$0.96 | \$0.00 | \$0.67 | \$0.00 | \$0.00 | \$28.54 | \$41.04 |
| Sign Journeyman Class D | \$25.00 | \$1.70 | \$0.21 | \$0.00 | \$1.44 | \$0.00 | \$0.67 | \$0.00 | \$0.00 | \$29.02 | \$41.52 |
| Tech Sign Fabrication/ Erector Class A | \$19.67 | \$1.70 | \$0.21 | \$0.00 | \$0.00 | \$0.00 | \$0.53 | \$0.00 | \$0.00 | \$22.11 | \$31.95 |

| | | | | | | | | | | | |
|--|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| Tech Sign Fabrication/ Erector Class B | \$19.67 | \$1.70 | \$0.21 | \$0.00 | \$0.38 | \$0.00 | \$0.53 | \$0.00 | \$0.00 | \$22.49 | \$32.33 |
| Tech Sign Fabrication/ Erector Class C | \$19.67 | \$1.70 | \$0.21 | \$0.00 | \$0.76 | \$0.00 | \$0.53 | \$0.00 | \$0.00 | \$22.87 | \$32.71 |
| Tech Sign Fabrication/ Erector Class D | \$19.67 | \$1.70 | \$0.21 | \$0.00 | \$1.13 | \$0.00 | \$0.53 | \$0.00 | \$0.00 | \$23.24 | \$33.08 |

Special Calculation Note : Other is for paid holidays.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, AUGLAIZE, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GREENE, HAMILTON, HANCOCK, HARDIN, HENRY, HIGHLAND, HOLMES, HURON, JACKSON, KNOX, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MERCER, MIAMI, MONTGOMERY, MORROW, MUSKINGUM, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, WARREN, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

- Class A: less that 1 year.
- Class B: 1-3 years.
- Class C; 3-10 years.
- Class D: More than 10 years.

Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 1
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

Change # : LCN01-2024ibBldgHevHwy

Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|--|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|---------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | | |
| Truck Driver CLASS 1 4 wheel service, dump, and batch trucks; drivers on tandems; truck sweepers (not to include power sweepers & scrubbers) | \$31.84 | | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49.84 | \$65.76 |
| Apprentice | Percent | | | | | | | | | | | |
| First 6 months | 80.00 | \$25.47 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$43.47 | \$56.21 |
| 7-12 months | 85.00 | \$27.06 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$45.06 | \$58.60 |
| 13-18 months | 90.00 | \$28.66 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$46.66 | \$60.98 |
| 19-24 months | 95.00 | \$30.25 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$48.25 | \$63.37 |
| 25-30 months | 100.00 | \$31.84 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49.84 | \$65.76 |

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

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK,

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

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 2
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

Change # : LCN01-2024ibBldgHevHwy

Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024

| | BHR | | Fringe Benefit Payments | | | | | | Irrevocable Fund | | Total PWR | Overtime Rate |
|--|---------|----------------|-------------------------|---------|---------|--------|---------|--------|------------------|----------|-----------|---------------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | MISC (*) | | |
| Classification | | | | | | | | | | | | |
| Truck Driver CLASS 2 Tractor Trailer-Semi Tractor Trucks; Pole Trailers; Ready Mix Trucks; Fuel Trucks; 5 Axle & Over; Belly Dumps; Low boys - Heavy duty Equipment(irrespective of load carried) when used exclusively for transportation; Truck Mechanics (when needed) | \$32.26 | | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$50.26 | \$66.39 |
| Apprentice | | Percent | | | | | | | | | | |
| First 6 months | 80.00 | \$25.81 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$43.81 | \$56.71 |
| 7-12 months | 85.00 | \$27.42 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$45.42 | \$59.13 |
| 13-18 months | 90.00 | \$29.03 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$47.03 | \$61.55 |
| 19-24 months | 95.00 | \$30.65 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$48.65 | \$63.97 |
| 25-30 months | 100.00 | \$32.26 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$50.26 | \$66.39 |

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

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON,

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

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

**Name of Union: Truck Driver Bldg & HevHwy Class 3
Locals 20,40,92,92b,100,175,284,438,377,637,908,957**

Change # : LCN01-2024ibBldgHevHwy3

Craft : Truck Driver Effective Date : 05/01/2024 Last Posted : 05/01/2024

| | BHR | | Fringe Benefit Payments | | | | | Irrevocable Fund | | Total PWR | Overtime Rate | |
|--|---------|---------|-------------------------|---------|---------|--------|---------|------------------|-----------|-----------|---------------|----------|
| | | | H&W | Pension | App Tr. | Vac. | Annuity | Other | LECET (*) | | | MISC (*) |
| Classification | | | | | | | | | | | | |
| Truck Driver CLASS 3 Articulated Dump Trucks; Ridge-Frame Rock Trucks; Distributor Trucks) | \$33.26 | | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$51.26 | \$67.89 |
| Apprentice | Percent | | | | | | | | | | | |
| First 6 months | 80.00 | \$26.61 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$44.61 | \$57.91 |
| 7-12 months | 85.00 | \$28.27 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$46.27 | \$60.41 |
| 13-18 months | 90.00 | \$29.93 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$47.93 | \$62.90 |
| 19-24 months | 94.96 | \$31.58 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$49.58 | \$65.38 |
| 25-30 months | 100.00 | \$33.26 | \$8.00 | \$9.60 | \$0.40 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$51.26 | \$67.89 |

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

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE,

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

Special Jurisdictional Note :

Details :