



MONROE COUNTY
R O A D
COMMISSION

840 S. Telegraph Road • Monroe, Michigan 48161 • Phone: (734) 240-5102 • Fax: (734) 240-5101

PROPOSAL

FOR

NORTHEAST DISTRICT SALT FACILITY

ASH TOWNSHIP

MONROE COUNTY, MICHIGAN

BID OPENING:
Thursday, May 24, 2018 at 10:00 a.m.

BOARD OF COUNTY ROAD COMMISSIONERS
OF THE COUNTY OF MONROE

Paul Iacoangeli, Chairman
Dan Minton, Vice Chairman
Stephen J. Pace, Member
Charles A. Londo, Member
Greg W. Stewart, Member

**MONROE COUNTY ROAD COMMISSION
INVITATION TO BID**

Sealed bids will be received by the Board of County Road Commissioners of the County of Monroe until **10:00 a.m.** local time on **Thursday, May 24, 2018** at their office located at 840 South Telegraph Road, Monroe, Michigan, 48161 for the following:

- Northeast District Salt Facility
- Crabb Road HMA Resurfacing
- Planer Blades

Bids will be publicly opened and read aloud by the Bid Committee at 10:00 a.m. Proposals may be downloaded from the Road Commission's website at www.mcrc-mi.org/bids.html.

BOARD OF COUNTY ROAD COMMISSIONERS
OF THE COUNTY OF MONROE, MICHIGAN

**MONROE COUNTY ROAD COMMISSION
PROPOSAL
NORTHEAST DISTRICT SALT FACILITY**

TO: The Board of County Road Commissioners of the County of Monroe, Michigan

FOR: Construction of a 72 foot by 72 foot wood frame salt storage building and associated site work in Ash Township, Monroe County, Michigan

Ladies and Gentlemen:

The undersigned bidder hereby affirms that:

1. The proposal is in all respects fair and without any collusion or fraud.
2. The undersigned have examined the site of the proposed project and have made a personal investigation and estimate of quantities.
3. The undersigned will contract to furnish all labor, equipment, tools, materials and traffic control devices necessary at the lump sum price stated on the attached bid form and to complete the work in the time specified to the satisfaction of the Board of County Road Commissioners of the County of Monroe, Michigan.

Company: _____

Address: _____

City, State, ZIP: _____

Telephone: _____

By: _____

Title: _____

Date: _____

Notes:

1. If the bidder is a partnership, each member must sign the proposal.
2. Corporations must execute the proposal by duly authorized officers in accordance with the Articles of Incorporation.

INSTRUCTIONS TO BIDDERS
and
GENERAL CONDITIONS

The Michigan Department of Transportation 2012 Standard Specifications for Construction are incorporated as part of these bidding documents and shall govern except as provided in the Invitation to Bid, Instructions to Bidders and General Conditions, and Proposal. Reference to the Department or Commission in the Michigan Department of Transportation 2012 Standard Specifications for Construction shall for this project mean the Board of County Road Commissioners of the County of Monroe, hereinafter referred to as "Board", unless otherwise specified.

OWNER

The owner of the project is the Board of County Road Commissioners of the County of Monroe, also referred to as the "Board."

ENGINEER

The Engineer is the Director of Operations or the individual assigned by the Director of Operations to be in charge of the Contract. The person assigned as the Engineer may be an employee of the Board, a consultant or an outside contractor hired by the Board.

BIDDER

The Bidder is one who submits a signed bid with the required documentation directly to the Board at the time and place specified.

BID FORMS

Sealed proposals must be submitted on the bid forms furnished by the Board. The proposal shall be submitted in its entirety (pages 1 through 13) with no modifications or changes except as authorized by an addendum and with no pages removed. All proposals must be filled out in ink or typewritten and shall be legibly signed, giving the complete name and address of the Bidder.

All bids must be in a sealed envelope and clearly marked "**Northeast District Salt Facility.**"

BIDDER'S SURETY

The proposal must be accompanied by a cashier's check, certified check or a bid bond made payable to the Board of County Road Commissioners of Monroe County, Michigan in the sum of five percent (5%) of the amount of the bid. Upon awarding and signing of a contract, or in the event of bid rejection, such bid surety will be returned to the Bidder. Bids may be held for a period of forty (40) days.

INTERPRETATION AND ADDENDA

All questions about the meaning or intent of the Bidding Documents are to be directed to the Engineer. Interpretation or clarification considered necessary by the Engineer to such questions will be issued by Addenda delivered to all parties recorded by the Engineer as having received the Bidding Documents. Questions received less than seven days prior to the date for opening the bids may not be answered. Only questions answered by formal written Addenda are binding. Oral and other interpretations or clarifications will be without legal effect.

PRE-BID MEETING

A non-mandatory pre-bid meeting will be held on Thursday, May 17, 2018 at 10:00 a.m. at the Monroe County Road Commission's office at 840 S. Telegraph Road, Monroe, Michigan 48161. Bidders are encouraged to attend the pre-bid meeting to clarify any questions regarding the bidding documents or scope of work.

OPENING OF BIDS

Bids will be received by the Board at 840 S. Telegraph Road, Monroe, Michigan 48161 until **10:00 a.m.** local time on **Thursday, May 24, 2018** at which time they will be publicly opened and read aloud.

REJECTION OF BIDS

The Board reserves the right to reject any or all bids, including without limitation the right to reject any or all nonconforming, nonresponsive, unbalanced, or conditional bids and to reject the bid of any Bidder if the Board believes that it would not be in the best interest of the project to make an award to that Bidder, whether because the bid is not responsive or if the Bidder is unqualified or of doubtful financial ability or fails to meet any pertinent standards or criteria established by the Board. The Board also reserves the right to waive all informalities in any bid should it be deemed in the best interest of the Road Commission to do so. Discrepancies between the multiplication of units of work and the unit prices will be resolved in favor of the unit price. Discrepancies between the indicated sum of any column of figures and the correct sum will be resolved in favor of the correct sum. Discrepancies between words and figure will be resolved in favor of words.

TITLE VI ASSURANCE

The Monroe County Road Commission, in accordance with Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 USC 2000d to 2000d-4) and Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, hereby notifies all bidders that it assures that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, gender, age, or disability in consideration for an award.

PROHIBITION OF DISCRIMINATION

In accordance with Act No. 453, Public Acts of 1976, the Contractor and subcontractors hereby agree not to discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, or marital status. Further, in accordance with Act No. 220, Public Acts of 1976 as amended by Act No. 478, Public Acts of 1980, the Contractor and subcontractors hereby agree not to discriminate against an employee or applicant for employment tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of a disability that is unrelated to the individual's ability to perform the duties of a particular job or position. A breach of the above covenants shall be regarded as a material breach of this contract.

CONTRACT EXECUTION

The Bidder to whom the Contract is awarded shall, within ten (10) calendar days after notice of award, enter into a written contract with the Board and furnish proof of insurance as hereinafter specified. Failure to execute the contract or furnish satisfactory proof of insurance will be considered cause for annulment of award.

PERFORMANCE AND LIEN BONDS

The successful Bidder to whom the contract is awarded shall furnish two (2) surety bonds as follows:

Performance Bond - To the Board of County Road Commissioners of the County of Monroe, Michigan for the faithful fulfillment of the terms of the contract in the amount of one-hundred (100) percent of the contract amount

Lien Bond - To the Board of County Road Commissioners of the County of Monroe, Michigan for the payment of all labor and materials used in the work in the amount of one-hundred (100) percent of the contract amount

PROGRESS SCHEDULE

In no case shall any work be commenced prior to receipt of formal notice of award by the Board.

The low Bidder for the work covered by this proposal will be required to meet with the Board's representative to review the Contractor's proposed work schedule. The schedule for this meeting will be set within one (1) week after the low bidder is determined.

The Board's representative will arrange the time and place for the meeting.

TIME OF COMPLETION

All contract work shall be completed on or before **November 2, 2018**.

FAILURE TO COMPLETE ON TIME

Liquidated damages in the amount of **\$600** per day will be assessed for each calendar day that the work remains incomplete beyond the completion dates. The Engineer will consider time extensions for excusable delays without liquidated damages in accordance with subsection 108.08 of the Michigan Department of Transportation Standard Specifications

SCHEDULE OF VALUES

The Contractor shall submit a schedule of values to the Engineer for approval prior to the start of construction.

PAYMENTS TO CONTRACTOR

The Contractor shall submit monthly invoices based on the approved schedule of values. The Board will make a partial payment to the Contractor of the amount due on the invoice less five (5) percent retainage.

FINAL INSPECTION, ACCEPTANCE AND FINAL PAYMENT

The Engineer will make a final inspection of all work included in the contract and notify the Contractor of defects to be remedied prior to final acceptance. The Contractor is required to provide unconditional waivers of lien from all subcontractors and suppliers before submitting a final Application for Payment. Payment for all work completed and accepted, less previous payments, will be made within thirty (30) days of final acceptance.

DISPUTES

The Engineer's written decision on any question arising under the contract between the Board and Contractor shall be final and binding upon both the Board and the Contractor in the absence of fraud, bad faith, or abuse of discretion.

ARBITRATION

All claims, disputes and other matters in question between the Board and the Contractor arising out of, or relating to, the Contract Documents or the breach thereof (except for claims which have been waived by the making or acceptance of final payment) will be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association then obtaining subject to the limitations of this section. This agreement so to arbitrate and any other agreement or consent to arbitrate entered into in accordance herewith will be specifically enforceable under the prevailing laws of any court having jurisdiction.

No demand for arbitration of any claim, dispute or other matter that is required to be referred to Engineer initially for decision will be made until the earlier of (a) the date on which Engineer has rendered a decision or (b) the tenth day after the parties have presented their evidence to Engineer if a written decision has not been rendered by Engineer before that date. No demand for arbitration of any such claim, dispute or other matter will be made later than thirty (30) days after the date on which Engineer has rendered a written decision in respect thereof; and the failure to demand arbitration within said thirty (30) days' period shall result in Engineer's decision being final and binding upon Board and Contractor. If Engineer renders a decision after arbitration proceedings have been initiated, such decision may be entered as evidence but will not supersede the arbitration proceedings, except where the decision is acceptable to the parties concerned. No demand for arbitration of any written decision of Engineer will be made later than ten (10) days after the party making such demand has delivered written notice of intention to appeal.

Notice of the demand for arbitration will be filed in writing with the other party to the Agreement and with the American Arbitration Association, and a copy will be sent to Engineer for information. The demand for arbitration will be made within the thirty (30) day or ten (10) day period specified above as applicable, and in all other cases within a reasonable time after the claim, dispute or other matter in question has arisen, and in no event shall any such demand be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter in question would be barred by the applicable statute of limitations.

No arbitration arising out of or relating to the Contract Documents shall include by consolidation, joinder or in any other manner any other person or entity who is not a party of this contract unless:

- a) the inclusion of such other person or entity is necessary if complete relief is to be afforded among those who are already parties to the arbitration;
- b) such other person or entity is substantially involved in a question of law or fact which is common to those who are already parties to the arbitration and which will arise in such proceedings, and;
- c) the written consent of the other person or entity sought to be included and of Board and Contractor has been obtained for such inclusion, which consent shall make specific reference to this paragraph; but no such consent shall constitute consent to arbitration of any dispute not specifically described in such consent or to arbitration with any party not specifically identified in such consent.

Notwithstanding the above paragraph, if a claim, dispute or other matter in question between Board and Contractor involves the Work of a Subcontractor, either Board or Contractor may join such Subcontractor as a party to the arbitration between Board and Contractor hereunder. Contractor shall include in all subcontracts a specific provision whereby the Subcontractor consents to being joined in arbitration between Board and Contractor involving the Work of such Subcontractor. Nothing in this paragraph nor in the provision of such subcontract consenting to joinder shall create any claim, right or cause of action in favor of Subcontractor and against Board or Board's Consultants that does not otherwise exist.

The award rendered by the arbitrators will be final, judgment may be entered upon it in any court having jurisdiction thereof, and it will not be subject to modification or appeal.

ASSIGNMENT CLAUSE

The contract between the Board and the Contractor may not be assigned to a third party without the written consent of the Board.

PREVAILING WAGES

The rates of wages and fringe benefits to be paid to each class of employees by the Contractor and all of his subcontractors shall be not less than the prevailing wage rates attached to the proposal.

The Contractor shall keep posted on the construction site, in a conspicuous place, a copy of the prevailing wage rates prescribed in the contract. The Contractor and subcontractors shall keep accurate records showing the name and occupation of and the actual wages and benefits paid to each construction mechanic employed by him in connection with the contract. The records shall be available for reasonable inspection by the Board.

TAXES

The Contractor shall include, and will be deemed to have included, in its base bid and contract price all applicable Michigan Sales and Use taxes which have been enacted into law as of the date the bid is submitted.

BOARD RESPONSIBILITY

The Board shall not supervise, direct or have control or authority over, nor be responsible for, the Contractor's means, methods, techniques, sequences or procedures of construction or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with laws and regulations applicable to the furnishing or performance of the work unless otherwise specified in the Special Provisions. The Board will not be responsible for the Contractor's failure to perform or furnish the work in accordance with the Contract Documents.

INDEMNIFICATION, DAMAGE LIABILITY AND INSURANCE

- A. Indemnification. The Contractor must hold harmless, indemnify, defend and represent the Board and its officers, agents and employees against any and all claims for bodily injury or property

damage, or any other claim arising out of performance of the work on this contract. The Contractor will not be responsible for claims that result from the sole negligence or willful acts of said indemnitee.

- B. Workers' Compensation Insurance. The Contractor must carry the necessary Workers' Compensation Insurance and submit a certification that it carries Workers' Compensation to the Board.
- C. Bodily Injury and Property Damage. The Contractor must carry adequate insurance, satisfactory to the Board, to afford protection against all claims for damage to public or private property and injuries to persons arising out of performance of the work. Copies of completed certificates must be submitted to the Board.

- 1. General Liability, Bodily Injury and Property Damage. The Contractor must provide the following minimum limits of property damage and bodily injury liability:

Bodily Injury and Property Damage Liability:	
Each Occurrence	\$1,000,000
Aggregate	\$2,000,000

- 2. Automobile Liability, Bodily Injury and Property Damage. The Contractor must provide the following minimum limits of property damage and bodily injury liability:

Bodily Injury Liability:	
Each Person	\$500,000
Each Occurrence	\$1,000,000

Property Damage Liability:	
Each Occurrence	\$1,000,000

Combined Single Limit for Bodily Injury and Property Damage Liability:	
Each Occurrence	\$2,000,000

- 3. Umbrella Policy. The Contractor may meet the requirements of above minimum limits of bodily injury and property damage liability through an umbrella policy.

- D. Additional Insured. The Bodily Injury and Property Damage Policy must include the following endorsements, verbatim:

“Additional Insured: The Board of County Road Commissioners of the County of Monroe, the Monroe County Road Commission and its officers, agents and employees.”

“Provide written notice ten (10) days prior to cancellation, expiration, termination or reduction in coverage for nonpayment of the premium and written notice thirty (30) days prior to cancellation, expiration, termination or reduction in coverage for all other reasons.”

- E. Per Project Aggregate. The Bodily Injury and Property Damage Policy must be endorsed with an endorsement that provides the General Aggregate Limit to each designated construction project.
- F. Notice. The Contractor must ensure that all insurance policies and binders include an endorsement by which the insurer agrees to notify the Department in writing at least 30 days before there is a cancellation or material change in coverage. The Contractor must stop operations if any insurance is canceled or reduced, and must not resume operations until new issuance is in force.
- G. Reports. The Contractor or insurance carrier shall report to the Board any claims received, inspections made and the disposition of claims. The Board will withhold final payment release until either the Contractor pays the claim or until final disposition of the claim by the Contractor's insurance company has been received by the Board.

SPECIFICATIONS

All work not otherwise specified in the specifications attached to the proposal shall be performed in accordance with the Michigan Department of Transportation 2012 Standard Specifications for Construction. Within these specifications all references to the Michigan Department of Transportation shall mean the Board. The errata to the 2012 Standard Specifications can be found on the Michigan Department of Transportation website at www.michigan.gov/mdot.

MATERIALS

All materials not covered in the specifications attached to the proposal shall be in accordance with the Michigan Department of Transportation 2012 Standard Specifications for Construction.

BUILDING PERMIT

The Contractor shall apply for and obtain a building permit from Ash Township. The Board will reimburse the Contractor separately for any building permit fees.

SCOPE OF WORK

The following items of work are included in the lump sum bid amount for the Northeast District Salt Facility:

1. Installation and maintenance of silt fencing
2. Clearing, grubbing and topsoil stripping within the clearing limits shown on the plans
3. Stockpiling of salvaged topsoil
4. Site grading
5. Construction of a 72 foot by 72 foot wood frame salt storage building
6. Excavation for a storm water detention basin
7. Installation of a detention basin outlet control structure and meter line
8. Installation of an emergency overflow for the storm water detention basin
9. Installation of aggregate base
10. Installation of aggregate surface
11. Installation of hot mix asphalt in the interior of the salt storage building and at the Labo Road approach
12. Installation of aggregate shoulders along the Labo Road approach
13. Furnishing, operating and maintaining temporary signs and traffic control devices along Labo Road
14. Maintaining traffic through and around the work along Labo Road
15. Restoration of all disturbed areas with 6 inches of salvaged topsoil, fertilizer, MDOT seeding mixture THV, mulch and mulch anchoring
16. Project cleanup including the removal and disposal of all debris from the Contractor's operations and removal and disposal of the silt fencing

ATTACHMENTS

The following documents are attached to this proposal:

1. Construction Specifications
 - a. Section 01010 – Summary of Work
 - b. Section 01300 – Submittals
 - c. Section 02300 – Sitework and Paving
 - d. Section 03300 – Cast-in-Place Concrete
 - e. Section 05500 – Miscellaneous Metals
 - f. Section 06100 – Carpentry
 - g. Section 07610 – Metal Roofing
 - h. Section 09900 – Painting
2. State of Michigan Prevailing Wage Rates for Monroe County dated 05/01/2018

UTILITY COORDINATION

For the protection of underground utilities, the contractor shall notify "Miss Dig" at 1-800-482-7171 or 811, a minimum of three working days, excluding weekends or holidays prior to excavating and otherwise fully comply with the provisions of Act 174 of 2013 and as amended. Miss Dig members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be part of the Miss Dig system.

The Contractor shall conduct operations in such a manner as to ensure that those utilities not requiring relocation will not be disturbed.

COMMUNICATIONS

Any questions regarding this bid shall be directed to the person listed below:

Name: Michael Smith
Phone: 734-240-5103
Email: MSmith@mcr-mi.org

**MONROE COUNTY ROAD COMMISSION
LUMP SUM CONTRACT
NORTHEAST DISTRICT SALT FACILITY**

TO: Board of County Road Commissioners of Monroe County, Michigan

The undersigned, having full knowledge of the site, proposal, plans and specifications for the **Northeast District Salt Facility** project in Ash Township, Monroe County, Michigan including Bidders' Addenda _____, and the conditions of these Contract Documents, hereby agrees to furnish all services, labor, materials, tools, equipment, transportation, and incidentals necessary to perform the entire Work; to complete the contract by the date specified in the Instructions to Bidders and General Provisions, according to the Proposal, Plans and Specifications; and to accept in full, compensation for all work necessary to complete the project at the lump sum price named below:

NORTHEAST DISTRICT SALT FACILITY – LUMP SUM BID:

(Figures) \$ _____

(Written) _____ Dollars

Contractor Signature: _____

Printed Name and Title: _____

Bidder agrees that the work will be completed and ready for final payment in accordance with the General Conditions. All contract work on the **Northeast District Salt Facility** project is to be completed by **November 2, 2018** as detailed in the Time of Completion section above.

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the work on time.

The following documents are attached to and made a condition of this Bid:

Required Bid Security in the form of either:

Certified Check or a Bidder's Bond in the amount of:

_____ Dollars (\$ _____)

Communications concerning this Bid shall be addressed to the Bidder's representative.

Name of Representative: _____

Address: _____

City, State, ZIP: _____

Telephone Number: _____

Fax Number: _____

E-Mail Address: _____

The terms used in this Bid, which are defined in subsection 101.03 of the Michigan Department of Transportation 2012 Standard Specifications of the Construction, have the meanings assigned to them in the Standard Specifications for Construction.

SUBMITTED on: _____, 2018

If Bidder is:

An Individual

By: _____ (SEAL)
Individual's Name

Doing Business As: _____

Business Address: _____

Phone No: _____

A Partnership

By: _____ (SEAL)
Firm Name

General Partner

Business Address: _____

Phone No.: _____

A Corporation

By: _____ (Corporate SEAL)
Corporate Seal

State of Incorporation

By: _____
Name of Person Authorized to Sign

Title

Business Address: _____

Phone No.: _____

A Joint Venture

By: _____
Name

Business Address: _____

Phone No.: _____

By: _____
Name

Business Address: _____

Phone No.: _____

(Each joint venture must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above.)

REFERENCE LIST

Bidder shall submit information on this sheet indicating construction experience on similar work. Failure to complete this sheet may be cause for rejection of bid.

1. Type of Structure: _____
Year Constructed: _____
Owner: _____
Location (City, State): _____
Owner's Contact Person: _____
Owner's Telephone No.: _____

2. Type of Structure: _____
Year Constructed: _____
Owner: _____
Location (City, State): _____
Owner's Contact Person: _____
Owner's Telephone No.: _____

3. Type of Structure: _____
Year Constructed: _____
Owner: _____
Location (City, State): _____
Owner's Contact Person: _____
Owner's Telephone No.: _____

4. Type of Structure: _____
Year Constructed: _____
Owner: _____
Location (City, State): _____
Owner's Contact Person: _____
Owner's Telephone No.: _____

5. Type of Structure: _____
Year Constructed: _____
Owner: _____
Location (City, State): _____
Owner's Contact Person: _____
Owner's Telephone No.: _____

NORTHEAST DISTRICT SALT FACILITY

PROPOSAL ATTACHMENTS

1. Construction Specifications
 - a. Section 01010 – Summary of Work
 - b. Section 01300 – Submittals
 - c. Section 02300 – Sitework and Paving
 - d. Section 03300 – Cast-in-Place Concrete
 - e. Section 05500 – Miscellaneous Metals
 - f. Section 06100 – Carpentry
 - g. Section 07610 – Metal Roofing
 - h. Section 09900 – Painting

2. State of Michigan Prevailing Wage Rates for Monroe County dated 05/01/2018

**NORTHEAST DISTRICT SALT STORAGE FACILITY
CONSTRUCTION SPECIFICATIONS**

**MONROE COUNTY ROAD COMMISSION
Ash Township, Michigan**

May 2018

SECTION 01010 – SUMMARY OF WORK

PART 1 – GENERAL

1.1 SCOPE OF WORK

- A. The following shall be a part of all Divisions and Sections of the Work and shall be as binding as if written at the head of each Division or Section:
- B. The Contractor shall provide all items, articles, materials, operations, tools, equipment, labor, and incidentals necessary and required to complete in an acceptable manner all work under the above heading, as indicated, implied, mentioned, shown, or scheduled on the Drawings, and/or as specified herein, or both.
- C. All parts of the "Instructions to Bidders and General Conditions" shall be made a part of this heading and shall be as binding as if herein written.
- D. Materials normally delivered labeled shall be received with manufacturer's original label and instructions, or else shall be subject to rejection. Materials shall be stored under adequately clean and dry conditions, and all work shall be performed according to the best practice of the trades. Manufacturer's specifications and instructions for products specified herein, or approved equals, become part of these specifications and all such instructions are to be followed accordingly.
- E. All work shall be completed in compliance with the latest edition of the prevailing fire prevention and building codes in effect in the State of Michigan.

1.2 OUTLINE OF WORK

- A. The work under this Contract shall consist of, but shall not necessarily be limited to, the following:
 - 1. Installation and maintenance of silt fencing
 - 2. Clearing, grubbing and topsoil stripping within the clearing limits shown on the plans
 - 3. Stockpiling of salvaged topsoil
 - 4. Site grading
 - 5. Construction of a 72 foot by 72 foot wood frame salt storage building
 - 6. Excavation for a storm water detention basin
 - 7. Installation of a detention basin outlet control structure and meter line
 - 8. Installation of an emergency overflow for the storm water detention basin
 - 9. Installation of aggregate base
 - 10. Installation of aggregate surface
 - 11. Installation of hot mix asphalt in the interior of the salt storage building and at the Labo Road approach
 - 12. Installation of aggregate shoulders along the Labo Road approach
 - 13. Furnishing, operating and maintaining temporary signs and traffic control devices along Labo Road
 - 14. Maintaining traffic through and around the work along Labo Road
 - 15. Restoration of all disturbed areas with 6 inches of salvaged topsoil, fertilizer, MDOT seeding mixture THV, mulch and mulch anchoring
 - 16. Project cleanup including the removal and disposal of all debris from the Contractor's operations and removal and disposal of the silt fencing

1.3 OSHA 10-HOUR CONSTRUCTION SAFETY AND HEALTH COURSE

- A. It is strongly recommended that applicable employees of each Bidder on this project have completed the OSHA 10 hour Outreach Training Program for construction, and that the Bidder submit evidence of completion to the Owner. Such completion will be considered as a favorable factor with respect to awarding the bid. See links:

1. Program Home Page: <http://www.osha.gov/dte/outreach/index.html>
2. How to Find Courses: <http://www.osha.gov/dte/outreach/courses.html>

1.4 PREVAILING WAGE RATES

- A. Prevailing wage rates consisting of wages and supplemental benefits are set by law; all workers on this project must be paid accordingly and wage rates must be posted at the work site. Applicable work categories shall include, but not necessarily be limited to, carpenter, roofer (for shingle roofing), sheet metal worker (for metal roofing), and machinery operator (for forklifts, backhoes, etc.). Project shall be conducted in conformance with applicable labor laws in State of Michigan.

END OF SECTION

SECTION 01300 – SUBMITTALS

PART 1 – GENERAL

1.1 SUMMARY

- A. All required submittals shall be made to the Owner for submission to Advanced Storage Technology, Inc., for review by the Architect and/or Engineer.
- B. Submittals (such as brochures, schedules, performance charts, etc.) that show more than one item or piece of equipment shall be clearly marked to show which item is being submitted for approval.
- C. Each submittal shall bear the following:
 - 1. Owner's name
 - 2. Project name and address
 - 3. Contractor's/Subcontractor's name
 - 4. Manufacturer's or Supplier's name
- D. Any work which is the subject of a required submittal shall be commenced only after approval of the submittal has been obtained.

1.2 SHOP DRAWINGS AND PRODUCT DATA

- A. Form of Submittals: shop drawings, prints, brochures, catalog pages, cut sheets, schedules
- B. Shop Drawings
 - 1. Shall be drawn to scale and dimensioned.
 - 2. Shall show all information needed to establish compliance with Specifications and job conditions.
 - 3. Shall indicate adjoining work in sufficient detail to show proper installation and connections.
- C. Checking by Contractor: the Contractor shall check each submittal, mark up if required, indicate his approval, and date, before submitting each item. The Architect or Engineer shall return unchecked all submittals not so marked and properly identified by the Contractor. The Contractor shall assume responsibility for dimensions to be confirmed at the job site to insure that the items furnished fit the space available.
- D. Resubmittals
 - 1. Drawings and material returned "No Exceptions Taken" need not be resubmitted.
 - 2. Drawings and materials returned "Provide as Corrected" or "Make Corrections as Noted" need not be resubmitted unless resubmission is indicated on the stamp.
 - 3. Drawings and materials returned "Revise and Resubmit," "Amend and Resubmit," or "Rejected" shall be revised as required and then resubmitted.
- E. Review and approval of submittals by Architect/Engineer is only for conformance with the design concept of the Project, and for compliance with the information given in the Contract Documents; it does not relieve the Contractor of his responsibility for confirming dimensions and correlating dimensions at the Project Site, for information that pertains solely to the fabrication processes or to techniques of construction, and for coordination of the work of all Trades.

1.3 COLOR SAMPLES

- A. All color selection is to be done by Owner, unless otherwise noted. Contractor shall submit color samples or chips as specified under the appropriate Sections of the Specifications.

END OF SECTION

SECTION 02300 – SITEWORK AND PAVING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

- A. All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.

1.2 SCOPE OF WORK

- A. Sitework to be done by Contractor
 1. Installation and maintenance of silt fencing
 2. Clearing, grubbing and topsoil stripping within the clearing limits shown on the plans
 3. Stockpiling of salvaged topsoil
 4. Site grading
 5. Excavation for a storm water detention basin
 6. Installation of a detention basin outlet control structure and meter line
 7. Installation of an emergency overflow for the storm water detention basin
 8. Installation of aggregate base
 9. Installation of aggregate surface
 10. Installation of hot mix asphalt in the interior of the salt storage building and at the Labo Road approach
 11. Installation of aggregate shoulders along the Labo Road approach
 12. Furnishing, operating and maintaining temporary signs and traffic control devices along Labo Road
 13. Maintaining traffic through and around the work along Labo Road
 14. Restoration of all disturbed areas with 6 inches of salvaged topsoil, fertilizer, MDOT seeding mixture THV, mulch and mulch anchoring
 15. Project cleanup including the removal and disposal of all debris from the Contractor's operations and removal and disposal of the silt fencing

1.3 PROTECTION

- A. Owner and Contractor shall provide complete surface protection of their respective portions of the Work so as to protect both workers and the general public, and shall do so in complete accordance with local regulations.
- B. All surface drainage shall be diverted during construction in such a manner as to avoid damage to the site or any adjacent area.

PART 2 – PRODUCTS

2.1 MATERIALS

- A. The aggregate base shall meet the specifications for MDOT 21AA.
- B. The hot mix asphalt shall meet the specifications for MDOT 13A.
- C. The aggregate surface shall meet the specifications for MDOT 21AA.
- D. The aggregate shoulders shall meet the specifications for MDOT 23A or MDOT 21AA.

PART 3 – EXECUTION

3.1 EXCAVATION

- A. Excavate to lines and grades indicated on the drawings for all footings.
- B. No foundation work (see Section 03300) shall begin until the Engineer or the Owner's designated representative has approved the excavations.

3.2 BACKFILLING

- A. No backfilling shall be done until:
 - 1. The foundations have been inspected and approved by the Engineer or the Owner's designated representative.
 - 2. The pipe bollards (door jamb guard posts) have been painted as specified in Section 09900.
- B. Compact fill material in lifts not exceeding 6 inches to 95% of its Proctor density.

END OF SECTION

SECTION 03300 – CAST-IN-PLACE CONCRETE

PART 1 – GENERAL

1.1 GENERAL

- A. Related Documents: All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.
- B. Scope of Work: Work under this Section shall consist of the concrete footings as shown on Drawings.

1.2 QUALITY ASSURANCE

- A. Codes and Standards: Comply with provisions of the following codes, specifications, and standards, except where more stringent requirements are shown or specified:
 - 1. ACI-301, "Specifications for Structural Concrete for Buildings."
 - 2. ACI-318, "Building Code Requirements for Reinforced Concrete."
 - 3. Concrete Reinforcing Steel Institute, "Manual of Standard Practice."
- B. Earth cuts may be used to form concealed vertical surfaces of footings. Earth forms shall be sharp and true to line and dimension.

1.3 SUBMITTALS

- A. Refer to Division I, Section 01300, Submittals.
- B. Material Certificate: submit certificate from concrete supplier, showing compliance with design requirements for strength.
- C. Product Data: submit data for proprietary materials and items, including reinforcement and forming accessories, admixtures, and others as requested by Engineer or Owner's designated representative.

1.4 ENVIRONMENTAL REQUIREMENTS

- A. Provide cold weather and/or hot weather protection as recommended in ACI-305 and ACI-306.
- B. Unless adequate protection is provided, concrete shall not be placed during rain, sleet, or snow. Protect concrete from rain water, maintain water-cement ratio, and protect concrete surface.
- C. All concrete shall be adequately protected after pouring to prevent damage from freezing, by the use of suitable covers and adequate heating equipment. Frozen and damaged concrete must be removed and replaced at the Contractor's expense. Do not place concrete on frozen earth.

PART 2 - PRODUCTS

2.1 REINFORCING MATERIALS

- A. Reinforcing bars shall conform to "Specifications for Deformed Billet—Steel Bars for Concrete Reinforcement," ASTM A-615 Grade No. 60, having a minimum yield strength of 60,000 psi.
- B. Tie wire shall be black annealed wire, 16 gauge minimum.

- C. Bar supports shall conform to the "Bar Support Specification" contained in the "Manual of Standard Practice" as published by CRSI and WCRSI. Bar and accessories within 1/2" of the surface of concrete exposed to weather shall be non-corrosive.

2.2 CONCRETE MATERIAL

- A. Cement shall be grey portland cement, Type I or II, conforming to ASTM C-150. Use same brand for all exposed work.
- B. Concrete aggregates shall conform to ASTM C-33. Fine and coarse aggregates shall be regarded as separate ingredients, and each shall conform to the appropriate grading requirements of ASTM C-33.
- C. Water shall be potable, clean, and free from impurities affecting the strength of the concrete, in accordance with ACI and ASTM requirements.

2.3 PROPORTIONING AND DESIGN OF MIXES

- A. All concrete shall be of normal weight, consisting of a proportioned mixture of portland cement, coarse aggregate, fine aggregate, and water. Concrete proportions shall be selected on the basis of trial mixes conforming to ACI 211.1.
- B. All concrete, unless otherwise noted, shall have a minimum compressive strength of 3,000 psi at 28 days.
 - 1. For fill, 2,000 psi concrete may be used.
- E. All concrete, unless otherwise noted, shall be proportioned to have a slump of 3" minimum to 4" maximum. Tolerance in slump shall not exceed ACI recommendation.
 - 1. Slump for concrete fill may be 6" maximum.
- D. Admixtures to retard or accelerate setting, to reduce water ratio, or to prevent freezing shall not be used without prior approval from the Engineer or the Owner's designated representative. No admixtures containing calcium chloride may be used.
- F. Maximum aggregate size shall conform to the following, and shall not exceed tolerances on oversize as per ASTM C-33.
 - 1. Footings, grade beams, and foundations 3/4"
 - 2. Concrete fill 1/2"

2.4 CONCRETE PRODUCTION

- A. Ready-mixed concrete shall conform to ASTM C-94 and the National Ready Mix Concrete Association. Use of non-agitating trucks is not permitted.
- B. Use of retempered concrete is not permitted.
- C. The addition of water at the job site is permitted providing that only sufficient water is used to provide a workable mix, and that neither the design water-cement ratio nor the maximum slump is exceeded. The addition of cement at the job site to maintain the water-cement ratio is not permitted.

PART 3 – EXECUTION

3.1 PLACING REINFORCEMENT

- A. Comply with CRSI's recommended practice for "Placing Reinforcing Bars" for details and methods of reinforcement placement and supports, and as herein specified.

- B. Clean reinforcement of loose rust and mill scale, earth, ice, and other materials which reduce or destroy bond with concrete.
- C. Accurately position, support, and secure reinforcement against displacement by framework, construction, or concrete placement operations. Locate and support reinforcing by metal chairs, runners, bolsters, spacers, and hangers, as required.
- D. Coverage: all reinforcing bars below ground shall have minimum 3" concrete cover.
- E. Place reinforcement to obtain at least minimum coverages for concrete protection. Arrange, space, and securely tie bars and bar supports to hold reinforcement in position during concrete placement operations. Set wire ties so that ends are directed into concrete, and not toward exposed concrete surfaces.
- F. Heating of reinforcement for bending will not be permitted.

3.2 PLACEMENT OF CONCRETE

- A. Consolidate all concrete in accordance with provisions of ACI-309.
- B. Consolidate each layer of concrete immediately after placing, by use of internal concrete vibrators supplemented by hand-spading, rodding, or tamping.
- C. Limit duration of vibration to time necessary to produce satisfactory consolidation without causing segregation of aggregate.

END OF SECTION

SECTION 05500 – MISCELLANEOUS METALS

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.

1.2 SCOPE OF WORK

Work under this Section shall include truss bearing plates, truss connector plates, joist hangers, angles, bolts, washers, nails, structural steel fasteners, and bollards.

1.3 SUBMITTALS

- A. Refer to Section 01300, Submittals.
- B. Truss Bearing Plate Assembly: submit shop drawings for approval.
- C. Structural steel fasteners: submit manufacturer's specifications and technical information.

PART 2 – PRODUCTS

2.1 TRUSS BEARING PLATE ASSEMBLY

Truss bearing plate assembly, bolts, and washers shall be AISI Type 304 stainless steel as detailed on Drawings.

2.2 TRUSS CONNECTOR PLATES

- A. Truss connector plates shall be galvanized steel, epoxy coated as described in Section 09900.

2.3 JOIST HANGERS

- A. Joist hangers shall be JUS26 18 gauge slant nail joist hangers with triple zinc coating by USP Structural Connectors (www.USPconnectors.com, 1-800-328-5934).

2.4 ANGLES

Angles connecting endwall knee braces to the top and bottom chords of trusses shall be USP Structural Connectors field adjustable framing angles, MP series, JA5-HDG, 14 gauge hot-dip galvanized steel, 2.5 x 2.5 x 5 inches.

2.5 BOLTS AND WASHERS

All bolts (other than those used for the truss bearing plates) and washers shall be made of ASTM A-307 steel, and shall be galvanized.

2.6 NAILS

- A. Materials: All nails, other than roofing nails, shall be ring-shank, double hot dipped, galvanized coated steel.

B. Sizes

<u>Location</u>	<u>Size</u>	<u>Remarks</u>
stress skin panel frames and blocking	16d	
plywood skins to panels	8d	
interior liner to panels	8d	
battens to exterior panels	8d	
fasteners for trusses	5/16"	GRK fasteners (see below)
upper hip purlins (joist hangers)	8d	
x-bracing, lateral bracing, lower hip purlins, and girts	16d	
angles fastening endwall knee braces to trusses	*	*as per manufacturer
exterior siding	6d	do not use power nails
roofing nails	*	*as per manufacturer
roof deck	8d	

2.7 STRUCTURAL STEEL FASTENERS

Structural steel screws shall be 5/16" RSS™ LTF Timber Frame Fasteners with washer type heads and reinforced shoulders of case-hardened steel with Climatek™ coating by GRK Fasteners, Thunder Bay, ON, Canada, 800-263-0463, 807-474-4300, grk@grkfasteners.com, or approved equal.

2.8 BOLLARDS

Bollards (door jamb guard posts) shall consist of minimum 6" OD standard weight steel structural pipe, filled with concrete. Form concrete crown at top of bollard.

PART 3 – EXECUTION

3.1 NAILING

- A. Do not use power nails to apply Duratemp exterior siding.
- B. Endwall siding shall be attached to girts with nails 6" on center.
- C. Roof sheathing shall be attached to purlins with nails 6" on center.
- D. Splice members shall be attached to endwall columns with nails 6" on center, staggered.

3.2 STRUCTURAL STEEL FASTENERS

Size, number, and location shall be as shown on Drawings.

3.3 BOLLARDS

Locations, dimensions, and depth of footings and bollards shall be as shown on Drawings.

END OF SECTION

SECTION 06100 – CARPENTRY

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.

1.2 SCOPE OF WORK

A. This Section shall cover the labor and material necessary to furnish and install the following:

1. Wood barrier wall and liner
2. Rough framing and sheathing
3. Prefabricated wood trusses
4. Hi-Arch Gambrel™ frames
5. Exterior wood siding and wood trim

1.3 QUALITY ASSURANCE

All lumber shall be grade-marked with the Association stamp, showing species, grade, and mill number; lumber shall be kiln-dried and marked as such. For southern pine, the term "Association" refers to the Southern Pine Inspection Bureau.

1.4 SUBMITTALS

- A. Refer to Section 01300, Submittals.
- B. Pressure Treated Members: submit certificate of treatment from lumber supplier, showing sizes of members and treatment for each.
- C. Plywood: American Plywood Association (APA) stamp should be visible on all plywood to verify grade.
- D. Trusses:
1. Submit stamped truss design drawings and design calculations, provided by the truss manufacturer, and stamped by an engineer licensed in the State of Michigan.
 2. Trusses shall be designed for loading requirements as shown on Drawings.
 3. The increase in unit stress for short term loading shall be a maximum of 15%, or in accordance with state and local regulations.
 4. Submittals must show the following:
 - a. Space diagram with panel point loading
 - b. Force diagram
 - c. Truss configuration, showing slope and span
 - d. All joint details indicating connector plate size and position
 - e. Size and grade of lumber (to be southern pine)
 - f. Camber to allow for dead load deflection and connector construction.
 - g. Design calculations for truss member sizes. In no case shall members of smaller size than those shown on the drawings be used.

PART 2 – PRODUCTS

2.1 TREATED WOOD BARRIER WALL

A. Description

The barrier wall, as detailed on the Drawings, shall be a composite retaining wall consisting of 4' x 16' (or sized as required) wood stress-skin panels, spanning between wood columns and braces located 8'-0" on center which support the roof trusses. A wood liner shall be applied to the interior surface of the barrier wall.

B. Materials

1. General

- a. All applicable wood panel members (studs, beams, battens, plywood skins and liner) shall receive water-borne CCA 0.40 treatment in accordance with AWPA Standard U1 to the requirements of Use Category UC4A.
- b. Pressure treatment for wood columns and braces, and for 6x6 members at base of crib wall, shall receive water-borne CCA 0.60 treatment in accordance with AWPA Standard U1 to the requirements of Use Category UC4B.
- c. Moisture Content: Any wood components with a nominal thickness of 2" or less shall have a moisture content not to exceed 19% when installed.
- d. Cuprinol Wood Preservative #10 (green) or approved equal, shall be applied to cut ends of all members required to be pressure-treated. Product is available through Sherwin-Williams, 1-800-424-5837, <http://www.sherwin-williams.com>.

2. Wood Columns and Braces shall be pressure-treated kiln-dried #2 or better southern pine.

3. Shop Fabricated Stress Skin Panels

- a. Exterior (perimeter) panel studs shall be 2x6 pressure treated wood studs, #2 southern pine.
- b. Interior panel studs shall be 2x6 non-pressure treated wood studs, #2 southern pine, 8" o.c.
- c. Blocking: 4x6 solid wood blocking at points of attachment to columns, 8' o. c.; see Drawings for details.
- d. Exterior panel skin: 1/2" pressure treated exterior structural plywood, grade APA-AC or APA-BC, sanded.
- e. Interior panel skin: 3/4" pressure treated CDX plywood.
- f. Nails fastening the exterior and interior plywood skins to the panels shall be galvanized 8d nails as called for on Drawings.
- g. Adhesive (glue) shall be Titebond GREENchoice heavy-duty construction adhesive by Franklin International, Columbus, OH, 1-800-877-4583.
- h. Bolts fastening the panels to the columns shall be galvanized lag bolts, recessed as shown on Drawings.

4. Interior Plywood Liner

- a. Liner shall consist of 3/4" pressure treated CDX plywood.
- b. Nails fastening the interior liner to the panels shall be galvanized 8d nails, as shown on Drawings.

5. Battens

- a. Battens for application over exterior horizontal panel joints shall be 1x2 pressure treated #2 southern pine. Top edges of battens shall chamfered at a 45-degree angle to provide drainage away from the panel face.
- b. Nails for battens shall be galvanized 8d nails.

2.2 ROUGH FRAMING AND SHEATHING

- A. Rough framing includes such lumber as joists, rafters, studs, plates, furring, backing, copings, fascias, curbs, framing, grounds, sleepers, blocking, etc.
- B. All lumber for rough carpentry shall be construction-grade lumber, with extreme fiber stress of not less than 1,200 psi.
- C. Wood columns installed above the crib wall shall be 6x6 members of #1 or better southern pine.

2.3 PREFABRICATED WOOD TRUSSES

- A. Trusses shall be fabricated from lumber as designated by truss manufacturer (grade and size of members).
- B. All load bearing lumber and all components of roof trusses shall have 1,200-psi minimum working stress at 19% maximum moisture content.
- C. Toothed truss connector plates shall be Alpine or approved equal, galvanized steel, treated as specified under Section 09900, Painting.
- D. The net area of connector plate shall not include the area within 1/2" from the edge or end of the connected member.
- E. The plate at the peak must be capable of carrying one half the design stress in the member.
- F. All other plates must carry the full design stress across the joint.

2.4 HI-ARCH GAMBREL™ FRAMES

- A. The Hi-Arch Gambrel™ truss frames are to be constructed of prefabricated wood trusses tied together with structural steel fasteners as shown on the drawings.
 - 1. Prefabricated wood trusses are specified in Paragraph 2.3 above.
 - 2. Structural steel fasteners are specified in Section 05500, Miscellaneous Metals.

2.5 EXTERIOR WOOD SIDING AND WOOD TRIM

- A. Furnish and install where shown on Drawings 19/32" exterior grade rough-sawn siding with shiplap vertical edges and grooves 8" o.c., product to be Duratemp by Roseburg Forest Products, Roseburg, OR (800-245-1115, www.roseburg.com), or approved equal.
- B. Panels to be 4' x 8' or 4' x 10' as required.
- C. Provide Z-molding at all horizontal joints.
- D. Wood trim to be 1x6 southern pine as shown on Drawings.

PART 3 – EXECUTION

3.1 TREATED WOOD BARRIER WALL

- A. Fabrication of Panels
 - 1. Panels, including studs, beams, and plywood skins, shall be shop manufactured.
 - 2. Reinforcement: panels shall be reinforced with solid wood blocking as shown on Drawings.
 - 3. Both the exterior and interior plywood skins shall be glued and nailed to the panel frame as shown on Drawings.

4. A continuous bead of adhesive shall be applied to the entire perimeter frame and to the face of each stud, to which panel skins are to be attached. Spot application is not adequate.

B. Installation

1. Stress Skin Panels: The panels shall be fastened to the columns with galvanized lag bolts, recessed as shown on Drawings.
2. Interior Liner: The interior liner shall be field applied to the interior surface of the barrier wall and shall be nailed only as shown on Drawings. Carefully follow Drawings for liner layout (staggering panel joints) and for nailing pattern.

3.2 ROUGH FRAMING AND SHEATHING

All framing shall be carefully and accurately laid out, shall be erected and secured in accordance with best building practice, and shall be of size and spacing indicated on the drawings.

3.3 PREFABRICATED WOOD TRUSSES

- A. Trusses to be shop assembled; all wood members shall have full bearing.
- B. Plates shall be positioned as shown on approved shop drawings, and pressed into wood members so that full penetration of the teeth is obtained without crushing surfaces of wood.
- C. All connections shall be made with connectors as required to transmit the stresses fully. Connectors shall conform to Truss Plate Institute "Design Specifications for Light Metal Connected Wood Trusses-TP-166".
- D. Wood members shall be designed in accordance with National Design Specifications for wood construction by the NFPA for stress graded lumber.
- E. Trusses shall be constructed true to line and dimensions within a tolerance of 1/4" for length and 1/8" for height.
- F. All trusses to be stored at the job site in a manner to prevent warping or twisting of trusses.

3.4 RIGID HI-ARCH GAMBREL™ FRAMES

- A. Designate an area adjacent to the building as a staging area. The truss frames will then be laid out in that area.
- B. Fabricate the trusses into frames as follows:
 1. The top truss or trusses (as applicable), having a horizontal bottom chord, are to be sandwiched between two trusses setting diagonally on each side.
 2. The trusses are to be bolted into a frame and made rigid by the use of structural steel fasteners, installed where shown on the drawings, in accordance with manufacturer's instructions, and using equipment as recommended or mandated by connector manufacturer. For truss-to-truss connections, bolts alone are not acceptable.
 3. Where the side trusses are separated by 1-1/2", 2x4 spacers shall be installed intermittently or continuously. Where the side trusses are separated by 3", two 2x4 spacers shall be installed intermittently or continuously.
 4. After Hi-Arch Gambrel truss frames have been assembled, any truss connector plates which remain exposed on the exterior faces of the trusses shall be painted with epoxy coating as specified in Section 09900.
- C. Furnish and install temporary bracing and stiffeners as needed during erection process, in accordance with the most current version of Bracing Wood Trusses published by the Truss Plate Institute.

- D. Trusses shall be erected in locations and at spacings shown on Drawings. Provide complete lateral bracing during erection, and permanent lateral bracing as shown on Drawings, or as required by truss manufacturer.
- E. See Section 05500, Miscellaneous Metals, and Drawings for base plate details.
- F. Any trusses that are damaged during delivery or erection shall be replaced at no extra cost to the Owner.

3.5 EXTERIOR WOOD SIDING AND WOOD TRIM

- A. Use 6d galvanized casing nails for application.
- B. Power nails are not to be used on exterior siding.

END OF SECTION

SECTION 07610 – METAL ROOFING AND SIDING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.

1.2 SCOPE OF WORK

The Work under this Section shall include all materials and labor required to install metal roofing and siding over substrates; roofing shall be attached to the truss frame system specified under Section 06100.

1.3 SUBMITTALS

- A. Refer to Section 01300, Submittals.
- B. Submit manufacturer's warranty certificate for metal roof and wall panels.
- C. Submit manufacturer's specifications and instructions for the following items:
 - 1. Metal roof and wall panels
 - 2. Profiled gasketing
 - 3. Color matched fasteners
 - 4. Ridge vent
 - 5. Fiberglass skylight panels
- D. Submit color samples or chips for the following items:
 - 1. Metal roof and wall panels
 - 2. Color matched fasteners
 - 3. Ridge vent

1.4 DELIVERY, STORAGE AND HANDLING OF METAL PANELS

- A. Panels and flashings shall be protected and properly packaged to protect against transportation damage in transit to the jobsite.
- B. Deliver panels and all other components in manufacturer's original and unbroken packaging. Any materials damaged during shipment or delivery shall be rejected and replaced.
- C. Panels and flashings shall be handled during unloading, stacking, moving, storing, and erection so as to prevent twisting, bending, warping, and surface damage.
- D. Stack materials in a safe, dry environment on platforms or pallets, covered with tarpaulins or other suitable weathertight ventilated covering, to prevent water damage and condensation. Do not store panels in contact with other materials that might cause staining, denting, or other surface damage. Panels and flashings with strippable film shall not be stored in direct sunlight.
- E. Upon installation immediately remove strippable film from panels and flashings. Protect panels and flashings from foot traffic and from all other trades.

PART 2 – PRODUCTS

2.1 METAL ROOF AND WALL PANELS

Roof and wall panels shall be Weatherbest ribbed panels of 29 gauge galvanized coated steel, with AZ-50 galvalume coating conforming to ASTM A-653 and ASTM A-924 (latest revisions) and factory-applied paint finish, by Weatheredge Building Components (10269 Old Route 31 West, Clyde, NY 14433, Tel. 315-923-3195, Fax 315-923-9158, www.weatheredgebc.com). Color as selected from manufacturer's standard colors by Owner.

2.2 ROOFING UNDERLAYMENT

Roofing underlayment shall be Titanium UDL-30 by InterWrap, Inc. (Roof Products Division, Head Office, 32923 Mission Way, Mission, British Columbia, Canada, V2V 6E4, 640-820-5400, www.interwrap.com/titanium).

2.3 FASTENERS

Screws shall be #14 standard galvanized roofing screws, 1-1/2" and 2" long, with sealing washers colored to match material being fastened and as recommended by the roofing manufacturer.

2.4 FLASHINGS AND ACCESSORIES

- A. Flashings shall be shop fabricated of galvanized sheet metal.
- B. Other accessories such as rake edges and "J" channels shall be as provided or recommended by manufacturer for use with specified roofing panels.

2.5 SHEATHING

- A. Sheathing for roofing panels shall be 5/8" thick four-ply CDX plywood, or approved equal, where called for on drawings, as approved by the American Plywood Association.
- B. Sheathing for wall panels shall be 7/16" thick OSB.

2.6 RIDGE VENT

Ridge vent shall be Weatherbest RCR2V ridge cap with vented closure by Weatheredge or approved equal, as manufactured for use with specified roofing panels; color selected by Owner.

2.7 SKYLIGHTS

- A. Skylights shall be Marlon CS Longlife polycarbonate rooflights, Profile P1434 nine-inch (9") opal tinted panels, manufactured by Brett Martin Ltd. (distributed by MWI Components, 1015 32nd Avenue West, Spencer, Iowa 51301, tel. 800-360-6467, fax 800-361-3452, email mwicomponents@hotmail.com, www.mwicomponents.com), or approved equal.
- B. At the top edge of the skylight panels, install a galvanized steel J-channel as provided by manufacturer for use with specified roofing panels. Install tightly against upper roof deck.
- C. At the bottom edge of skylight panels, install a closure strip as per manufacturer's recommendation.

PART 3 – EXECUTION

3.1 GENERAL

All materials shall be installed where shown on Drawings and in complete accordance with manufacturer's instructions, which hereby become a part of this Specification.

3.2 INSTALLATION OF SHEATHING

Sheathing shall be fastened with galvanized 8d nails 6" on center.

3.3 INSPECTION OF SUBSTRATES

Contractor shall inspect the structure to insure that the roof and wall substrates are securely anchored and properly aligned to provide a flat plane for the roof and wall panels.

3.4 INSTALLATION OF METAL ROOFING AND WALL PANELS

- A. Fastener selection and installation shall be as recommended by metal panel manufacturer and in accordance with the manufacturer's fastening schedule.
- B. Screws into wood framing or decking shall penetrate the supporting member by a minimum 1".

3.5 GUARANTEE

The Contractor shall guarantee the installation of the roof for a period of two years after substantial completion.

END OF SECTION

SECTION 09900 – PAINTING

PART 1 – GENERAL

1.1 RELATED DOCUMENTS

All Work under this Section shall be performed in accordance with these Specifications, the Drawings and the Instructions to Bidders and General Conditions.

1.2 SCOPE OF WORK

The work covered in this Section will include all painting and staining of exterior wood surfaces, painting of bollards and pile height line, and treatment of any truss connector plates that remain exposed after fabrication of 6-ply truss units.

1.3 DEFINITION

For purposes of this specification, the terms “paint” and “painting” refer to the application of any paint or stain materials specified in these documents.

1.4 SUBMITTALS

- A. Refer to Section 01300, Submittals.
- B. Submit manufacturer's specifications and instructions for all paint, stain, and epoxy coating products used.
- C. Submit color samples or chips for paint and stain.

PART 2 – PRODUCTS

2.1 PAINTING OF EXTERIOR WOOD SIDING AND TRIM

- A. Primer shall be exterior grade latex wood primer, Sherwin Williams B42W08041, or approved equal.
- B. Stain shall be exterior grade solid color acrylic latex stain, Sherwin Williams WoodScapes® A15 series, or approved equal; colors to be selected by the Owner. PLEASE NOTE: vinyl acrylic stain or paint may not be used on Duratemp siding.

2.2 PAINTING OF BOLLARDS

All bollards shall be painted with two coats of rust inhibitive paint equal to Rustoleum, color to be Federal yellow.

2.3 TREATMENT OF INTERIOR METAL SURFACES

All exposed truss connector plates within the salt storage structure shall be treated with Sherwin Williams Macropoxy® 646 fast-cure epoxy coating, or approved equal.

2.4 PAINTING OF INTERIOR PILE HEIGHT LINE

Paint shall be Federal yellow traffic marking paint for exterior use as manufactured by Devoe or equal.

PART 3 – EXECUTION

3.1 PAINTING OF EXTERIOR WOOD SURFACES

- A. Refer to and follow manufacturer's instructions for surface preparation and application.
- B. All surfaces to be painted shall be dry and clean. Before painting, all surfaces shall be thoroughly cleaned of all dust, dirt, oil, grease, rust, scale, and other foreign matter. The cleaning shall be done with sandpaper, steel scraper, or wire brushes, as necessary.
- C. Follow manufacturer's instructions regarding air, surface and material temperatures, other weather conditions, and time between coats and touchups or recoats.
- D. Apply materials as follows:
 - 1. Primer: one coat.
 - 2. Paint: two coats, or as recommended by the manufacturer.

3.2 PAINTING OF BOLLARDS

- A. Surfaces to be dry and clean, as per manufacturer's instructions.
- B. Apply paint to entire length of pipe, including the joint between pipe and footing, prior to backfilling.

3.3 TREATMENT OF INTERIOR METAL SURFACES

- A. For surface preparation, mixing, and application, follow manufacturer's instructions for use on galvanized steel surfaces.
- B. After fabrication of 6-ply truss units, those truss connector plates that remain exposed shall be painted as noted above; damaged surfaces shall be touched up after installation.

3.4 PAINTING OF INTERIOR PILE HEIGHT LINE

- A. A 4" wide line will be painted as shown on Drawings around the perimeter of the interior of the crib wall. The line shall be located 2'-0" below the top of the wall. At the entranceway, this line shall extend from the bottom of the door jamb, upward at an angle of 45°, until reaching a height of 10'-0" above finished floor (2' below top of wall).

END OF SECTION

2018 Prevailing Wage Rates for State Funded Projects

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>		Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description				
Asbestos & Lead Abatement Laborer					
Asbestos & Lead Abatement Laborer	MLDC	\$41.30	\$55.23	\$69.16	H H H X X X D Y
Comment 4 ten hour days @ straight time allowed Monday-Saturday, must be consecutive calendar days					
Apprentice Rates:					
	Trainee 600 hours + 1 calendar year	\$30.22	\$33.28	\$41.73	
Asbestos, Lead and Mold Abatement, Hazardous Material Handler					
Asbestos, Lead and Mold Abatement, Hazardous Material Handler	AS207	\$40.75	\$54.25	\$67.75	H H H X X X D Y
Comment Four ten hour days @ straight time allowed Monday-Saturday, must be consecutive calendar days					
Boilermaker					
Boilermaker	BO85	\$47.24	\$70.27	\$93.29	H H H H H H D N
Apprentice Rates:					
	1st 6 months	\$30.47	\$45.11	\$59.75	
	2nd 6 months	\$31.22	\$46.24	\$61.25	
	3rd 6 months	\$39.72	\$58.99	\$78.25	
	4th 6 months	\$40.47	\$60.11	\$79.75	
	5th 6 months	\$41.22	\$61.24	\$81.25	
	6th 6 months	\$42.73	\$63.51	\$84.27	
	7th 6 months	\$44.23	\$65.75	\$87.27	
	8th 6 months	\$45.74	\$68.02	\$90.29	

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>		Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description				
Bricklayer					
Bricklayer, stone mason, pointer, cleaner, caulker	BR1	\$52.43	\$78.65	\$104.86	H H D H D D D D Y
Comment Make up day allowed Saturday for 5 day 8 hour week Friday for 4 day 10 hour week Four 10 hour days allowed M-TH					
Apprentice Rates:					
	First 6 months	\$31.87	\$47.81	\$63.74	
	2nd 6 months	\$33.72	\$50.60	\$67.44	
	3rd 6 months	\$35.57	\$53.37	\$71.14	
	4th 6 months	\$37.42	\$56.14	\$74.84	
	5th 6 months	\$39.27	\$58.92	\$78.54	
	6th 6 months	\$41.12	\$61.70	\$82.24	
	7th 6 months	\$42.97	\$64.46	\$85.94	
	8th 6 months	\$44.82	\$67.24	\$89.64	
Carpenter					
Diver	CA 687 D	\$67.26	\$87.51	\$107.76	X X H X X H H D Y
Comment Make up day allowed Saturday, Four 10s allowed M-Sat; double time due when over 12 hours worked per day					
Diver Tender	CA 687 DT	\$57.74	\$73.67	\$89.60	X X H X X H H D Y
Comment Make up day allowed Saturday					
Carpet and Resilient Floor Layer, (does not include installation of prefabricated formica & parquet flooring which is to be paid carpenter rate)	CA1045	\$51.94	\$73.28	\$94.62	X X H X X X X D Y
Apprentice Rates:					
	1st 6 months	\$25.87	\$34.92	\$43.98	
	2nd 6 months	\$29.86	\$40.92	\$51.96	
	3rd 6 months	\$32.07	\$44.23	\$56.38	
	4th 6 months	\$34.27	\$47.52	\$60.78	
	5th 6 months	\$36.47	\$50.83	\$65.18	
	6th 6 months	\$38.69	\$54.16	\$69.62	
	7th 6 months	\$40.90	\$57.48	\$74.04	
	8th 6 months	\$43.10	\$60.77	\$78.44	

Unofficial Rates For Informational Purposes Only

Monroe County

Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Carpenter	CA687Z1	\$58.62	\$74.55	\$90.48	X X H X X H H D Y
Comment	Make up day allowed Saturdays, four 10s allowed Mon-Sat; double time due when over 12 hours worked per day				
	Apprentice Rates:				
	1st year	\$35.89	\$44.65	\$53.41	
	3rd 6 months	\$38.43	\$47.99	\$57.55	
	4th 6 months	\$40.94	\$51.29	\$61.65	
	5th 6 months	\$43.47	\$54.62	\$65.77	
	6th 6 months	\$46.01	\$57.96	\$69.91	
	7th 6 months	\$48.52	\$61.27	\$74.01	
	8th 6 months	\$51.04	\$64.58	\$78.12	
Piledriver	CA687Z1P	\$58.62	\$74.55	\$90.48	X X H X X H H D Y
Comment	Make up day allowed Saturday, Four 10s allowed Monday-Saturday; double time due when over 12 hours worked per day				
Cement Mason					
Cement Mason	BR1CM	\$50.05	\$71.17	\$92.28	X X H H H H D N
	Apprentice Rates:				
	1st 6 months	\$29.13	\$39.45	\$49.77	
	2nd 6 months	\$31.20	\$42.54	\$53.87	
	3rd 6 months	\$35.31	\$48.67	\$62.01	
	4th 6 months	\$39.46	\$54.85	\$70.23	
	5th 6 months	\$41.52	\$57.91	\$74.30	
	6th 6 months	\$45.67	\$64.10	\$82.52	
Cement Mason	PL886-CM	\$47.51	\$65.25	\$82.99	H H D H H D D D Y
Comment	Make up day allowed 4 tens allowed M-Th, Friday makeup day				
	Apprentice Rates:				
	1st 6 months	\$32.78	\$44.21	\$55.63	
	2nd 6 months	\$35.59	\$48.42	\$61.25	
	3rd 6 months	\$38.39	\$52.62	\$66.85	
	4th 6 months	\$39.80	\$54.73	\$69.67	
	5th 6 months	\$41.20	\$56.83	\$72.47	
	6th 6 months	\$42.61	\$58.95	\$75.29	

Unofficial Rates For Informational Purposes Only

Monroe County

Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Drywall					
Drywaller	PL886-DR	\$45.04	\$58.95	\$72.85	X X H X X X H D Y
Apprentice Rates:					
	1st 6 months	\$31.14	\$38.09	\$45.05	
	2nd 6 months	\$32.53	\$40.18	\$47.83	
	3rd 6 months	\$33.92	\$42.27	\$50.61	
	4th 6 months	\$36.70	\$46.43	\$56.17	
	5th 6 months	\$38.09	\$48.52	\$58.95	
	6th 6 months	\$39.48	\$50.61	\$61.73	
	7th 6 months	\$42.26	\$54.77	\$67.29	
	8th 6 months	\$43.65	\$56.86	\$70.07	
Drywall Taper	PT-22-D	\$45.91	\$59.74	\$73.56	H H D H D D D D Y
Comment	Make up day allowed Four 10s allowed Monday-Thursday, Friday make-up day for bad weather or holidays				
Apprentice Rates:					
	1st 3 months	\$32.08	\$38.99	\$45.90	
	2nd 3 months	\$34.85	\$43.14	\$51.44	
	2nd 6 months	\$37.62	\$47.30	\$56.98	
	3rd 6 months	\$40.38	\$51.44	\$62.50	
	4th 6 months	\$41.76	\$53.51	\$65.26	
Electrician					
Teledata Journeyman Installer Technician	EC-8	\$41.41	\$62.12	\$82.82	H H H H H H D Y
Comment	Four tens may be worked any four consecutive days Monday thru Friday				
Apprentice Rates:					
	1st Period	\$20.50	\$30.76	\$41.00	
	2nd Period	\$23.66	\$35.49	\$47.32	
	3rd Period	\$34.08	\$51.12	\$68.16	
	4th Period	\$35.54	\$53.31	\$71.08	
	5th Period	\$37.02	\$55.53	\$74.04	
	6th Period	\$38.48	\$57.73	\$76.96	

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Journeyman Electrician - Inside Wireman	EC-8-IW	\$58.80	\$88.20	\$117.60	H H X H H H D Y
Comment Make up day allowed Any day except Sunday when work cancelled due to weather conditions. Four consecutive 10 hour days may be worked at the straight time rate of pay Mon-Fri.					
Apprentice Rates:					
	1st 0-900 Hours	\$23.98	\$35.97	\$47.96	
	2nd 901-1800 Hours	\$28.24	\$42.36	\$56.48	
	3rd 1801-3300 Hours	\$35.00	\$52.50	\$70.00	
	4th 3301-4800 Hours	\$39.75	\$59.63	\$79.50	
	5th 4801-6300 Hours	\$44.52	\$66.78	\$89.04	
	6th 6301-8000 Hours	\$49.28	\$73.92	\$98.56	

Teledata Cable Puller	EC-8-TC	\$13.37	\$20.06	\$26.74	H H H H H H H D Y
Comment Make up day allowed Four tens may be worked any 4 consecutive days Monday thru Friday.					

Elevator Constructor

Elevator Constructor Mechanic	EL-44	\$77.53		\$122.30	D D D D D D D D Y
Comment 4 10s allowed M-Th					
Apprentice Rates:					
	1st year	\$55.41		\$80.03	
	2nd year	\$60.33		\$89.43	
	3rd year	\$62.79		\$94.13	
	4th year	\$67.71		\$103.53	

Glazier

Glazier	GL-357	\$49.50	\$65.23	\$80.95	H H H H H H H D Y
Comment If a four 10 hour day workweek is scheduled, four 10s must be consecutive, M-F.					
Apprentice Rates:					
	1st 6 months	\$33.77	\$41.63	\$49.49	
	2nd 6 months	\$35.35	\$44.00	\$52.65	
	3rd 6 months	\$38.49	\$48.71	\$58.93	
	4th 6 months	\$40.06	\$51.07	\$62.07	
	5th 6 months	\$41.64	\$53.43	\$65.23	
	6th 6 months	\$43.21	\$55.79	\$68.37	
	7th 6 months	\$44.78	\$58.15	\$71.51	
	8th 6 months	\$47.93	\$62.87	\$77.81	

Unofficial Rates For Informational Purposes Only

Statewide County

Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Heat and Frost Insulator					
	Spray Insulation - Qualified Senior Sprayer, application of all products AS25S	\$29.04	\$42.35		X X X H H H H H N
Heat and Frost Insulator and Asbestos Worker					
	Heat and Frost Insulators and Asbestos Workers AS45	\$48.05	\$71.74	\$95.42	H H H H H H H D Y
	Apprentice Rates:				
	1st period	\$22.62	\$33.60	\$44.56	
	2nd period	\$24.08	\$35.78	\$47.48	
	3rd period	\$29.93	\$44.56	\$59.18	
	4th period	\$31.40	\$46.77	\$62.12	
	5th period	\$32.87	\$48.97	\$65.06	
	6th period	\$34.34	\$51.17	\$68.00	
	7th period	\$39.00	\$58.16	\$77.32	
	8th period	\$40.46	\$60.35	\$80.24	
	9th period	\$41.93	\$62.55	\$83.18	
	10th period	\$43.40	\$64.76	\$86.12	
Ironworker					
	Ironworker IR-55	\$49.24	\$73.86	\$98.48	H H D H D D D D Y
	Comment Make up day allowed Four tens allowed M-Th., Friday for inclement weather				
	Apprentice Rates:				
	1st year	\$25.04	\$37.56	\$50.08	
	2nd year	\$40.50	\$60.75	\$81.00	
	3rd year	\$43.42	\$65.13	\$86.84	
	4th year	\$46.33	\$69.50	\$92.66	
	Metal Fence & Guard Rail IR-55-MF	\$39.87	\$59.81	\$79.74	H H D H H H H D Y
	Comment Make up day allowed Four tens allowed M-Th, Friday for inclement weather				
	Apprentice Rates:				
	1st year	\$19.57	\$29.36	\$39.14	
	2nd year	\$33.87	\$50.81	\$67.74	
	3rd year	\$35.87	\$53.81	\$71.74	
	4th year	\$37.87	\$56.81	\$75.74	

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>					
Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Pre-engineered Metal Building	IR-55-PE	\$43.17	\$64.76	\$86.34	H H D H D D D D Y
Comment	Make up day allowed Four tens allowed M-Th, Friday for inclement weather				
	Apprentice Rates:				
	1st year	\$21.55	\$32.33	\$43.10	
	2nd year	\$36.09	\$54.13	\$72.18	
	3rd year	\$38.45	\$57.67	\$76.90	
	4th year	\$40.81	\$61.21	\$81.62	
Laborer					
Construction laborer, carpenter tender, concrete laborer, concrete chute and concrete bucket handler, demolition laborer	L499-M-A	\$44.54	\$59.46	\$74.38	H H H X H H H D Y
Comment	Make up day allowed Saturday				
	Apprentice Rates:				
	0-1,000 work hours	\$38.18	\$49.92	\$61.66	
	1,001-2,000 work hours	\$39.45	\$51.82	\$64.20	
	2,001-3,000 work hours	\$40.72	\$53.73	\$66.74	
	3,001-4,000 work hours	\$43.27	\$57.56	\$71.84	
Mortar mixer (including concrete and mortar 1/2 cu. Yd. Or smaller machine, or by hand in mortar box); mason tender & cement mason tender; plasterer tender, portable mixer operator, and air electric & gasoline tool operator (including concrete vibrator & acetylene torch); caisson worker; furnace battery heater tenders; signalman on concrete pours only	L499-M-B	\$44.75	\$59.78	\$74.80	H H H X H H H D Y
Comment	Make up day allowed Saturday				
Laborer Hazardous Work: Employees required to wear acid resistant clothing, heat resistant clothing or radiation protective clothing.	L499-M-C	\$45.06	\$60.24	\$75.42	H H H X H H H D Y
Comment	Make up day allowed Saturday				
Cleaner/Sweeper Laborer; Furniture mover - unloading and moving of furniture	L499-M-D	\$38.80	\$50.85	\$62.90	H H H X H H H D Y
Comment	Make up day allowed Saturday				

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Laborer - Hazardous					
	Class A performing work in conjunction with site preparation and other preliminary work prior to actual removal, handling, or containment of hazardous waste substances not requiring use of personal protective equipment required by state or federal regulations; or a laborer performing work in conjunction with the removal, handling, or containment of hazardous waste substances when use of personal protective equipment level "D" is required.	\$44.54	\$63.76	\$82.98	H H H H H H D Y
	LHAZ-Z4A-A				
	Comment Make up day allowed 4 10s allowed M-Th or T-F; inclement weather makeup day Friday				
	Apprentice Rates:				
	0-1,000 work hours	\$38.18	\$54.22	\$70.26	
	1,001-2,000 work hours	\$39.45	\$56.12	\$72.80	
	2,001-3,000 work hours	\$40.72	\$58.03	\$75.34	
	3,001-4,000 work hours	\$43.27	\$61.86	\$80.44	
	Class B - performing work in conjunction with the removal, handling, or containment of hazardous waste substances when the use of personal protective equipment levels "A", "B" or "C" is required.	\$45.54	\$65.26	\$84.98	H H H H H H D Y
	LHAZ-Z4A-B				
	Comment Make up day allowed 4 10s allowed M-Th or T-F; inclement weather makeup day Friday				
	Apprentice Rates:				
	0-1,000 work hours	\$38.93	\$55.34	\$71.76	
	1,001-2,000 work hours	\$40.25	\$57.32	\$74.40	
	2,001-3,000 work hours	\$41.57	\$59.30	\$77.04	
	3,001-4,000 work hours	\$44.22	\$63.28	\$82.34	
Laborer Underground - Open Cut, Class VI					
	Grouting man, top man assistant, audio visual television operations and all other operations in connection with closed circuit television inspection, pipe cleaning and pipe relining work and the installation and repair of water service pipe and appurtenances.	\$34.32	\$44.90	\$55.47	X X X X X X D Y
	LAUC-Z2-6				
	Apprentice Rates:				
	0-1,000 work hours	\$29.74	\$38.03	\$46.31	
	1,001-2,000 work hours	\$30.66	\$39.41	\$48.15	
	2,001-3,000 work hours	\$31.58	\$40.79	\$49.99	
	3,001-4,000 work hours	\$33.40	\$43.52	\$53.63	

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Laborer Underground - Open Cut, Class I					
Construction Laborer	LAUC-Z2-1	\$36.57	\$48.28	\$59.97	X X X X X X X D Y
	Apprentice Rates:				
	0-1,000 work hours	\$31.43	\$40.57	\$49.69	
	1,001-2,000 work hours	\$32.46	\$42.11	\$51.75	
	2,001-3,000 work hours	\$33.49	\$43.65	\$53.81	
	3,001-4,000 work hours	\$35.54	\$46.73	\$57.91	
Laborer Underground - Open Cut, Class II					
Mortar and material mixer, concrete form man, signal man, well point man, manhole, headwall and catch basin builder, guard rail builders, headwall, seawall, breakwall, dock builder and fence erector.	LAUC-Z2-2	\$36.68	\$48.44	\$60.19	X X X X X X X D Y
	Apprentice Rates:				
	0-1,000 work hours	\$31.52	\$40.70	\$49.87	
	1,001-2,000 work hours	\$32.55	\$42.25	\$51.93	
	2,001-3,000 work hours	\$33.58	\$43.79	\$53.99	
	3,001-4,000 work hours	\$35.65	\$46.89	\$58.13	
Laborer Underground - Open Cut, Class III					
Air, gasoline and electric tool operator, vibrator operator, drillers, pump man, tar kettle operator, bracers, rodder, reinforced steel or mesh man (e.g. wire mesh, steel mats, dowel bars, etc.), cement finisher, welder, pipe jacking and boring man, wagon drill and air track operator and concrete saw operator (under 40 h.p.), windlass and tugger man, and directional boring man.	LAUC-Z2-3	\$36.80	\$48.62	\$60.43	X X X X X X X D Y
	Apprentice Rates:				
	0-1,000 work hours	\$31.60	\$40.82	\$50.03	
	1,001-2,000 work hours	\$32.64	\$42.38	\$52.11	
	2,001-3,000 work hours	\$33.68	\$43.94	\$54.19	
	3,001-4,000 work hours	\$35.76	\$47.06	\$58.35	
Laborer Underground - Open Cut, Class IV					
Trench or excavating grade man.	LAUC-Z2-4	\$36.87	\$48.73	\$60.57	X X X X X X X D Y
	Apprentice Rates:				
	0-1,000 work hours	\$31.66	\$40.91	\$50.15	
	1,001-2,000 work hours	\$32.70	\$42.47	\$52.23	
	2,001-3,000 work hours	\$33.74	\$44.03	\$54.31	
	3,001-4,000 work hours	\$35.83	\$47.17	\$58.49	

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Laborer Underground - Open Cut, Class V					
Pipe Layer (including crock, metal pipe, multiplate or other conduits)	LAUC-Z2-5	\$37.02	\$48.95	\$60.87	X X X X X X X D Y
Apprentice Rates:					
	0-1,000 work hours	\$31.77	\$41.07	\$50.37	
	1,001-2,000 work hours	\$32.82	\$42.65	\$52.47	
	2,001-3,000 work hours	\$33.87	\$44.23	\$54.57	
	3,001-4,000 work hours	\$35.97	\$47.37	\$58.77	
Laborer Underground - Open Cut, Class VII					
Restoration laborer, seeding, sodding, planting, cutting, mulching and topsoil grading and the restoration of property such as replacing mail boxes, wood chips, planter boxes, flagstones etc.	LAUC-Z2-7	\$30.96	\$39.86	\$48.75	X X X X X X X D Y
Apprentice Rates:					
	0-1,000 work hours	\$27.22	\$34.25	\$41.27	
	1,001-2,000 work hours	\$27.97	\$35.37	\$42.77	
	2,001-3,000 work hours	\$28.72	\$36.50	\$44.27	
	3,001-4,000 work hours	\$30.21	\$38.73	\$47.25	
Laborer Underground - Tunnel, Shaft & Caisson					
Class I - Tunnel, shaft and caisson laborer, dump man, shanty man, hog house tender, testing man (on gas), and watchman.	LAUCT-Z2-1	\$36.82	\$48.70	\$60.57	X X X X X X X D Y
Apprentice Rates:					
	0-1,000 work hours	\$31.52	\$40.75	\$49.97	
	1,001-2,000 work hours	\$32.58	\$42.34	\$52.09	
	2,001-3,000 work hours	\$33.64	\$43.93	\$54.21	
	3,001-4,000 work hours	\$35.76	\$47.11	\$58.45	
Class II - Manhole, headwall, catch basin builder, bricklayer tender, mortar man, material mixer, fence erector, and guard rail builder	LAUCT-Z2-2	\$36.91	\$48.83	\$60.75	X X X X X X X D Y
Apprentice Rates:					
	0-1,000 work hours	\$31.58	\$40.84	\$50.09	
	1,001-2,000 work hours	\$32.65	\$42.45	\$52.23	
	2,001-3,000 work hours	\$33.71	\$44.03	\$54.35	
	3,001-4,000 work hours	\$35.84	\$47.23	\$58.61	

Unofficial Rates For Informational Purposes Only

Monroe County

Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision	
	<p>Classification</p> <p>Class III - Air tool operator (jack hammer man, bush hammer man and grinding man), first bottom man, second bottom man, cage tender, car pusher, carrier man, concrete man, concrete form man, concrete repair man, cement invert laborer, cement finisher, concrete shoveler, conveyor man, floor man, gasoline and electric tool operator, gunnite man, grout operator, welder, heading dinky man, inside lock tender, pea gravel operator, pump man, outside lock tender, scaffold man, top signal man, switch man, track man, tugger man, utility man, vibrator man, winch operator, pipe jacking man, wagon drill and air track operator and concrete saw operator (under 40 h.p.).</p>	LAUCT-Z2-3	\$37.01	\$48.98	\$60.95	X X X X X X X D Y
Apprentice Rates:						
	0-1,000 work hours	\$31.66	\$40.96	\$50.25		
	1,001-2,000 work hours	\$32.73	\$42.57	\$52.39		
	2,001-3,000 work hours	\$33.80	\$44.17	\$54.53		
	3,001-4,000 work hours	\$35.94	\$47.38	\$58.81		
	<p>Class IV - Tunnel, shaft and caisson mucker, bracer man, liner plate man, long haul dinky driver and well point man.</p>	LAUCT-Z2-4	\$37.17	\$49.22	\$61.27	X X X X X X X D Y
Apprentice Rates:						
	0-1,000 work hours	\$31.78	\$41.14	\$50.49		
	1,001-2,000 work hours	\$32.86	\$42.76	\$52.65		
	2,001-3,000 work hours	\$33.93	\$44.37	\$54.79		
	3,001-4,000 work hours	\$36.09	\$47.61	\$59.11		
	<p>Class V - Tunnel, shaft and caisson miner, drill runner, keyboard operator, power knife operator, reinforced steel or mesh man (e.g. wire mesh, steel mats, dowel bars)</p>	LAUCT-Z2-5	\$37.43	\$49.62	\$61.79	X X X X X X X D Y
Apprentice Rates:						
	0-1,000 work hours	\$31.97	\$41.43	\$50.87		
	1,001-2,000 work hours	\$33.06	\$43.06	\$53.05		
	2,001-3,000 work hours	\$34.16	\$44.71	\$55.25		
	3,001-4,000 work hours	\$36.34	\$47.98	\$59.61		
	<p>Class VI - Dynamite man and powder man.</p>	LAUCT-Z2-6	\$37.74	\$50.08	\$62.41	X X X X X X X D Y
Apprentice Rates:						
	0-1,000 work hours	\$32.20	\$41.77	\$51.33		
	1,001-2,000 work hours	\$33.31	\$43.43	\$53.55		
	2,001-3,000 work hours	\$34.42	\$45.10	\$55.77		
	3,001-4,000 work hours	\$36.63	\$48.41	\$60.19		

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Class VII - Restoration laborer, seeding, sodding, planting, cutting, mulching and topsoil grading and the restoration of property such as replacing mail boxes, wood chips, planter boxes and flagstones.	LAUCT-Z2-7	\$30.01	\$38.48	\$46.95	X X X X X X X D Y
Apprentice Rates:					
	0-1,000 work hours	\$26.41	\$33.09	\$39.75	
	1,001-2,000 work hours	\$27.13	\$34.17	\$41.19	
	2,001-3,000 work hours	\$27.85	\$35.25	\$42.63	
	3,001-4,000 work hours	\$29.29	\$37.41	\$45.51	
Landscape Laborer					
Landscape Specialist: includes air, gas, and diesel equipment operator, skidsteer (or equivalent), lawn sprinkler installer on landscaping work where seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintenance of landscape projects occurs.	LLAN-Z1-A	\$28.98	\$40.04	\$51.09	X X H X X X H D Y
Comment Sundays paid at time & one half. Holidays paid at double time.					
Skilled Landscape Laborer: small power tool operator, lawn sprinkler installers' tender, material mover, truck driver when seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintaining of landscape projects occurs	LLAN-Z1-B	\$24.76	\$33.71	\$42.65	X X H X X X H D Y
Comment Sundays paid at time & one half. Holidays paid at double time.					
Marble Finisher					
Marble Finisher	BR1-MF	\$43.48	\$54.29	\$65.10	H H D H D D D D Y
Comment A four ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					
Apprentice Rates:					
	Level 1	\$19.04	\$25.12	\$31.20	
	Level 2	\$20.24	\$26.92	\$33.60	
	Level 3	\$27.01	\$33.96	\$40.90	
	Level 4	\$28.47	\$36.14	\$43.82	
	Level 5	\$29.99	\$37.84	\$45.70	
	Level 6	\$31.61	\$39.86	\$48.10	
	Level 7	\$33.30	\$41.59	\$49.87	
	Level 8	\$34.79	\$43.48	\$52.17	

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>		Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description				
Marble Mason					
Marble Mason	BR1-MM	\$50.29	\$64.51	\$78.72	H H D H D D D D Y
Comment A four ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					
Apprentice Rates:					
	Level 1	\$25.14	\$32.65	\$40.15	
	Level 2	\$28.20	\$36.49	\$44.78	
	Level 3	\$33.41	\$41.97	\$50.53	
	Level 4	\$36.15	\$45.66	\$55.17	
	Level 5	\$38.42	\$48.17	\$57.92	
	Level 6	\$42.07	\$53.56	\$65.05	
	Level 7	\$42.74	\$54.38	\$66.02	
	Level 8	\$43.67	\$55.78	\$67.88	
Operating Engineer					
Crane with boom & jib or leads 120' or longer	EN-324-A120	\$59.36	\$77.25	\$95.13	X X H H D D D D Y
Comment Double time after 12 hours M-F					
Crane with boom & jib or leads 140' or longer	EN-324-A140	\$60.18	\$78.48	\$96.77	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Crane with boom & jib or leads 220' or longer	EN-324-A220	\$60.48	\$78.93	\$97.37	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Crane with boom & jib or leads 300' or longer	EN-324-A300	\$61.98	\$81.18	\$100.37	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Crane with boom & jib or leads 400' or longer	EN-324-A400	\$63.48	\$83.43	\$103.37	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Compressor or welding machine	EN-324-CW	\$48.51	\$60.97	\$73.43	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Forklift, lull, extend-a-boom forklift	EN-324-FL	\$55.82	\$71.94	\$88.05	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Fireman or oiler	EN-324-FO	\$47.48	\$59.43	\$71.37	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Regular crane, job mechanic, concrete pump with boom	EN-324-RC	\$58.50	\$75.96	\$93.41	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Regular engineer, hydro-excavator, remote controlled concrete breaker	EN-324-RE	\$57.53	\$74.50	\$91.47	X X H H D D D D Y
Comment Work in excess of 12 hours per day M-F shall be paid at double time.					
Apprentice Rates:					
	0-999 hours	\$46.53	\$58.76	\$70.97	
	1,000-1,999 hours	\$48.28	\$61.38	\$74.47	
	2,000-2,999 hours	\$50.02	\$63.99	\$77.95	
	3,000-3,999 hours	\$51.77	\$66.62	\$81.45	
	4,000-4,999 hours	\$53.51	\$69.22	\$84.93	
	5,000-5,999 hours	\$55.26	\$71.85	\$88.43	
Operating Engineer - Marine Construction					
Diver/Wet Tender/Tender/Rov Pilot/Rov Tender	GLF D	\$52.80	\$79.20	\$105.60	H H H H H H D N
Diver/Wet Tender, Engineer (hydraulic dredge)	GLF-1	\$72.32	\$93.82	\$115.32	X X H H H H D Y
Comment Make up day allowed Holiday pay = 2.5 times the straight hourly rate					
<u>Subdivision of county</u> all Great Lakes, islands therein, & connecting & tributary waters					
Crane/Backhoe Operator, 70 ton or over Tug Operator, Mechanic/Welder, Assistant Engineer (hydraulic dredge), Leverman (hydraulic dredge), Diver Tender	GLF-2	\$70.82	\$91.57	\$112.32	X X H H H H D Y
Comment Make up day allowed Holiday pay = 2.5 times the straight hourly rate					
<u>Subdivision of county</u> All Great Lakes, islands therein, & connecting & tributary waters					
Friction, Lattice Boom or Crane License Certification	GLF-2B	\$72.32	\$93.82	\$115.32	X X H H H H D Y
Comment Make up day allowed Holiday pay = 2.5 times the straight hourly rate					

Unofficial Rates For Informational Purposes Only

Statewide County

Classification Name	Description		Straight Hourly	Time and a Half	Double Time	Overtime Provision
<u>Subdivision of county</u>		All Great Lakes, islands, therein, & connecting & tributary waters				
	Deck Equipment Operator, Machineryman, Maintenance of Crane (over 50 ton capacity) or Backhoe (115,000 lbs or more), Tug/Launch Operator, Loader, Dozer on Barge, Deck Machinery	GLF-3	\$66.27	\$84.75	\$103.22	X X H H H H H D Y
	Comment Make up day allowed Holiday pay = 2.5 times the straight hourly rate					
<u>Subdivision of county</u>		All Great Lakes, islands therein, & connecting & tributary waters				
	Deck Equipment Operator, (Machineryman/Fireman), (4 equipment units or more), Off Road Trucks, Deck Hand, Tug Engineer, & Crane Maintenance 50 ton capacity and under or Backhoe 115,000 lbs or less, Assistant Tug Operator	GLF-4	\$60.07	\$75.45	\$90.82	X X H H H H H D Y
	Comment Make up day allowed Holiday pay = 2.5 times the straight hourly rate					
<u>Subdivision of county</u>		All Great Lakes, islands therein, & connecting & tributary waters				
Operating Engineer Steel Work						
	Forklift, 1 Drum Hoist	EN-324-EF	\$60.41	\$79.00	\$97.58	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Crane w/ 120' boom or longer	EN-324-SW120	\$63.11	\$83.05	\$102.98	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Crane w/ 120' boom or longer w/ Oiler	EN-324-SW120-O	\$64.11	\$84.55	\$104.98	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Crane w/ 140' boom or longer	EN-324-SW140	\$64.29	\$84.82	\$105.34	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Crane w/ 140' boom or longer W/ Oiler	EN-324-SW140-O	\$65.29	\$86.32	\$107.34	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
	Boom & Jib 220' or longer	EN-324-SW220	\$64.56	\$85.22	\$105.88	H H D H H H D D Y
	Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Crane w/ 220' boom or longer w/ Oiler	EN-324-SW220-O	\$65.56	\$86.72	\$107.88	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Boom & Jib 300' or longer	EN-324-SW300	\$66.06	\$87.47	\$108.88	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 300' boom or longer w/ Oiler	EN-324-SW300-O	\$67.06	\$88.97	\$110.88	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Boom & Jib 400' or longer	EN-324-SW400	\$67.56	\$89.72	\$111.88	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane w/ 400' boom or longer w/ Oiler	EN-324-SW400-O	\$68.56	\$91.22	\$113.88	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Crane Operator, Job Mechanic, 3 Drum Hoist & Excavator	EN-324-SWCO	\$62.75	\$82.51	\$102.26	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
	Apprentice Rates:				
	0-999 hours	\$49.40	\$63.26	\$77.11	
	1,000-1,999 hours	\$51.38	\$66.23	\$81.07	
	2,000-2,999 hours	\$53.35	\$69.19	\$85.01	
	3,000-3,999 hours	\$55.33	\$72.16	\$88.97	
	4,000-4,999 hours	\$57.30	\$75.11	\$92.91	
	5,000 hours	\$59.28	\$78.08	\$96.87	
Crane Operator w/ Oiler	EN-324-SWCO-O	\$63.75	\$84.01	\$104.26	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				
Compressor or Welder Operator	EN-324-SWCW	\$55.30	\$71.33	\$87.36	H H D H H H D D Y
Comment	Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather				

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>					
Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Hoisting Operator, 2 Drum Hoist, & Rubber Tire Backhoe	EN-324-SWHO	\$62.11	\$81.55	\$100.98	H H D H H H D D Y
Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
Oiler	EN-324-SWO	\$53.89	\$69.22	\$84.54	H H D H H H D D Y
Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
Tower Crane & Derrick where work is 50' or more	EN-324-SWTD50	\$63.84	\$84.14	\$104.44	H H D H H H D D Y
Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
Tower Crane & Derrick 50' or more w/ Oiler	EN-324-SWTD50-O	\$64.84	\$85.64	\$106.44	H H D H H H D D Y
Comment Make up day allowed 4 10s allowed M-Th with Friday makeup day because of bad weather					
Operating Engineer Underground					
Class I Equipment	EN-324A1-UC1	\$55.54	\$71.56	\$87.57	H H H H H H H D Y
Apprentice Rates:					
	0-999 hours	\$44.09	\$55.30	\$66.52	
	1,000-1,999 hours	\$45.68	\$57.70	\$69.70	
	2,000-2,999 hours	\$47.28	\$60.09	\$72.90	
	3,000-3,999 hours	\$48.88	\$62.49	\$76.10	
	4,000-4,999 hours	\$50.49	\$64.91	\$79.32	
	5,000-5,999 hours	\$52.09	\$67.30	\$82.52	
Class II Equipment	EN-324A1-UC2	\$50.81	\$64.46	\$78.11	H H H H H H H D Y
Class III Equipment	EN-324A1-UC3	\$50.08	\$63.37	\$76.65	H H H H H H H D Y
Class IV Equipment	EN-324A1-UC4	\$49.51	\$62.52	\$75.51	H H H H H H H D Y
Master Mechanic	EN-324A1-UMM	\$55.79	\$71.93	\$88.07	H H H H H H H D Y

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Painter					
Painter	PT-22-P	\$44.32	\$57.60	\$70.88	H H D H D D D D Y
Comment	Make up day allowed Four 10s allowed Monday-Thursday with Friday makeup day if job down due to weather, holiday or other conditions beyond the control of the employer, 8 hours of repaint work performed on Sunday shall be paid time & one half rate				
	Apprentice Rates:				
	Year 1	\$31.04	\$37.68	\$44.32	
	Year 2	\$33.70	\$41.67	\$49.64	
	Year 3	\$36.35	\$45.64	\$54.94	
	Year 4	\$40.34	\$51.63	\$62.92	
Painter - Sign Display					
The trade jurisdiction consists of painting and other related surface finishing operations; lettering, and all operations so related; pictorial and graphic art work; screen process procedures; application of photographs, translates, refinished surface-type materials used in lieu of painted methods, display graphics; adhesive backed lettering and art work; sign hanging, sign installation, erection and construction; bulletin board construction; plastic sign fabrication; advertising displays and exhibits; and the preparing of surfaces for finishing of the same to include but not limited to application of filler of seams, grooves, nail and/or screw holes; and such area practices pertaining to the sign and display industry.	PT-591	\$19.94	\$29.93	\$39.88	X X X X X X X D N
Pipe and Manhole Rehab					
General Laborer for rehab work or normal cleaning and cctv work-top man, scaffold man, CCTV assistant, jetter-vac assistant	TM247	\$28.20	\$38.20		H H H H H H H H N
Tap cutter/CCTV Tech/Grout Equipment Operator: unit driver and operator of CCTV; grouting equipment and tap cutting equipment	TM247-2	\$32.70	\$44.95		H H H H H H H H N
CCTV Technician/Combo Unit Operator: unit driver and operator of cctv unit or combo unit in connection with normal cleaning and televising work	TM247-3	\$31.45	\$43.07		H H H H H H H H N
Boiler Operator: unit driver and operator of steam/water heater units and all ancillary equipment associated	TM247-4	\$33.20	\$45.70		H H H H H H H H N

Unofficial Rates For Informational Purposes Only

Statewide County

<u>Classification</u>		Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description				
Combo Unit driver & Jetter-Vac Operator	TM247-5	\$33.20	\$45.70		H H H H H H H H N
Pipe Bursting & Slip-lining Equipment Operator	TM247-6	\$34.20	\$47.20		H H H H H H H H N
Plasterer					
Plasterer	BR1P	\$45.04	\$67.56	\$90.08	H H H H H H H D N
Comment	Make up day allowed Saturday				
	Apprentice Rates:				
	1st 6 months	\$32.11	\$48.17	\$64.22	
	2nd 6 months	\$33.40	\$50.10	\$66.80	
	3rd 6 months	\$34.69	\$52.04	\$69.38	
	4th 6 months	\$37.28	\$55.92	\$74.56	
	5th 6 months	\$39.87	\$59.81	\$79.74	
	6th 6 months	\$42.45	\$63.68	\$84.90	
Plasterer	PL886	\$42.53	\$56.24	\$69.94	X X H X X X H D N
	Apprentice Rates:				
	1st 6 months	\$28.82	\$35.67	\$42.52	
	2nd 6 months	\$30.20	\$37.74	\$45.28	
	3rd 6 months	\$31.57	\$39.80	\$48.02	
	4th 6 months	\$34.31	\$43.90	\$53.50	
	5th 6 months	\$35.68	\$45.96	\$56.24	
	6th 6 months	\$37.05	\$48.02	\$58.98	
	7th 6 months	\$39.79	\$52.12	\$64.46	
	8th 6 months	\$41.16	\$54.18	\$67.20	

Unofficial Rates For Informational Purposes Only

Monroe County

Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision	
Plumber, Pipefitter, HVAC & Refrigeration						
	Plumber, Pipefitter engaged in the installation of all plumbing and pipefitting systems and component parts thereof as hereinafter outlined, which includes fabrication, assembly, erection, installation, dismantling, repairing, reconditioning, adjusting, altering, including all hangers and supports of every description; the fabrication, laying out, assembling, erecting, hanging, installing, repairing, and dismantling (when plumbing, heating, refrigeration or air conditioning systems are to be reused) of all pipe and pipefittings used in connection with sanitary plumbing systems, heating systems, refrigeration or airconditioning, and all pipes and piping and plumbing, heating, airconditioning or refrigeration fixtures used in connection with a compressed air and vacuum piping system for the conveying of materials and all pipes and piping used to carry water to building outlets for the purpose of preventing fires that are not connecting with the automatic fire sprinkling systems and all pipe and piping used in gasoline or oil flows. All sewer lines and water lines from street to building or building to street. All cutting, threading, welding, or fabrication, shall be done on the job site, the installation and servicing of all materials and fixtures, the installation of temporary heat.	PL-671	\$56.54	\$84.81	\$113.08	H H H H H H H D N

Apprentice Rates:

1st period	\$32.91	\$49.37	\$65.82
2nd period	\$34.90	\$52.35	\$69.80
3rd period	\$36.86	\$55.29	\$73.72
4th period	\$38.82	\$58.23	\$77.64
5th period	\$40.74	\$61.11	\$81.48
6th period	\$42.78	\$64.17	\$85.56
7th period	\$44.70	\$67.05	\$89.40
8th period	\$46.72	\$70.08	\$93.44
9th period	\$48.68	\$73.02	\$97.36
10th period	\$52.63	\$78.95	\$105.26

Mechanical Equipment Service - Airconditioning Systems, Refrigeration Systems, Maintenance of Temporary Heating Systems, Compressed Air and Vacuum Piping Systems	PL-671-ME	\$52.50	\$78.75	\$105.00	H H H H H H H D N
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Apprentice Rates:

1st	\$40.55	\$60.83	\$81.10
2nd	\$42.59	\$63.89	\$85.18
3rd	\$44.52	\$66.78	\$89.04
4th	\$46.53	\$69.80	\$93.06
5th	\$48.55	\$72.83	\$97.10

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>					
Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Metal Trades - hole drilling, material handling, demolition, NOT INSTALLATION	PL-671-MT	\$28.81	\$43.22	\$57.62	H H H H H H H D N

Roofer

Commercial Roofer	RO-134	\$36.79	\$48.98	\$61.16	H H D X D D D D Y
Make up day allowed					
Apprentice Rates:					
1st period		\$24.61	\$30.70	\$36.80	
2nd period		\$25.82	\$32.52	\$39.22	
3rd period		\$27.04	\$34.35	\$41.66	
4th period		\$28.26	\$36.18	\$44.10	
5th period		\$29.48	\$38.01	\$46.54	
6th period		\$30.70	\$39.84	\$48.98	
7th period		\$31.92	\$41.67	\$51.42	
8th period		\$33.13	\$43.48	\$53.84	

Sewer Relining

Class I-Operator of audio visual CCTV system including remote in-ground cutter and other equipment used in conjunction with CCTV system.	SR-I	\$43.66	\$59.01	\$74.36	H H H H H H H D N
Class II-Operator of hot water heaters and circulation system; water jettors; and vacuum and mechanical debris removal systems and those assisting.	SR-II	\$42.13	\$56.72	\$71.30	H H H H H H H D N

Sheet Metal Worker

Sheet Metal Worker	SHM-33	\$58.39	\$78.38	\$98.36	H H D H D D D D Y
Comment Make up day allowed					
4 ten hour days allowed when scheduled as four consecutive days, Monday thru Friday					
Apprentice Rates:					
1st Year		\$26.94	\$35.66	\$44.39	
3rd 6 months		\$42.02	\$53.82	\$65.62	
4th 6 months		\$43.60	\$56.19	\$68.78	
5th 6 months		\$45.18	\$58.56	\$71.94	
6th 6 months		\$46.75	\$60.92	\$75.08	
7th 6 months		\$48.33	\$63.28	\$78.24	
8th 6 months		\$49.91	\$65.66	\$81.40	
9th 6 months		\$51.48	\$68.01	\$84.54	
10th 6 months		\$53.06	\$70.38	\$87.70	

Unofficial Rates For Informational Purposes Only

Monroe County

Classification Name	Description	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Sprinkler Fitter					
Sprinkler Fitter	SP 669	\$51.64	\$68.45	\$85.26	H H H H H H D Y
	Make up day allowed				
	Apprentice Rates:				
	Class 1	\$23.03	\$30.60	\$38.16	
	Class 2	\$24.71	\$33.12	\$41.52	
	Class 3	\$34.01	\$43.26	\$52.50	
	Class 4	\$35.69	\$45.78	\$55.86	
	Class 5	\$37.62	\$48.55	\$59.47	
	Class 6	\$39.30	\$51.07	\$62.83	
	Class 7	\$40.99	\$53.60	\$66.21	
	Class 8	\$42.67	\$56.12	\$69.57	
	Class 9	\$44.35	\$58.64	\$72.93	
	Class 10	\$46.03	\$61.16	\$76.29	
Terrazzo					
Terrazzo Finisher	BR1-TRF	\$43.97	\$55.03	\$66.08	H H D H D D D D Y
	Comment				
	A four ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.				
	Apprentice Rates:				
	Level 1	\$19.04	\$25.12	\$31.20	
	Level 2	\$20.24	\$26.92	\$33.60	
	Level 3	\$27.01	\$33.96	\$40.90	
	Level 4	\$28.47	\$36.14	\$43.82	
	Level 5	\$29.99	\$37.84	\$45.70	
	Level 6	\$31.61	\$39.86	\$48.10	
	Level 7	\$33.30	\$41.59	\$49.87	
	Level 8	\$34.79	\$43.48	\$52.17	
Terrazzo Worker	BR1-TRW	\$49.73	\$63.67	\$77.60	H H D H D D D D Y
	Comment				
	A 4 ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.				
	Apprentice Rates:				
	Level 1	\$25.14	\$32.65	\$40.15	
	Level 2	\$28.20	\$36.49	\$44.78	
	Level 3	\$33.41	\$41.97	\$50.53	
	Level 4	\$36.15	\$45.66	\$55.17	
	Level 5	\$38.42	\$48.17	\$57.92	
	Level 6	\$42.07	\$53.56	\$65.05	
	Level 7	\$42.74	\$54.38	\$66.02	
	Level 8	\$43.67	\$55.78	\$67.88	

Unofficial Rates For Informational Purposes Only

Monroe County

<u>Classification</u>		Straight	Time and	Double	Overtime Provision
Name	Description	Hourly	a Half	Time	
Title					
Tile Finisher	BR1-TF	\$43.50	\$54.32	\$65.14	H H D H D D D D Y
Comment A four ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					
Apprentice Rates:					
	Level 1	\$19.04	\$25.12	\$31.20	
	Level 2	\$20.24	\$26.92	\$33.60	
	Level 3	\$27.01	\$33.96	\$40.90	
	Level 4	\$28.47	\$36.14	\$43.82	
	Level 5	\$29.99	\$37.84	\$45.70	
	Level 6	\$31.61	\$39.86	\$48.10	
	Level 7	\$33.30	\$41.59	\$49.87	
	Level 8	\$34.79	\$43.48	\$52.17	
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Tile Layer	BR1-TL	\$49.68	\$63.59	\$77.50	H H D H D D D D Y
Comment A four ten workweek may be worked Monday thru Thursday or Tuesday thru Friday.					
Apprentice Rates:					
	Level 1	\$25.14	\$32.65	\$40.15	
	Level 2	\$28.20	\$36.49	\$44.78	
	Level 3	\$33.41	\$41.97	\$50.53	
	Level 4	\$36.15	\$45.66	\$55.17	
	Level 5	\$38.42	\$48.17	\$57.92	
	Level 6	\$42.07	\$53.56	\$65.05	
	Level 7	\$42.74	\$54.38	\$66.02	
	Level 8	\$43.67	\$55.78	\$67.88	
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Truck Driver					
on all trucks of 8 cubic yard capacity or less (except dump trucks of 8 cubic yard capacity or over, tandem axle trucks, transit mix and semis, euclid type equipment, double bottoms and low boys)	TM-RB1	\$44.10	\$48.81		H H H H H H H H Y
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of all trucks of 8 cubic yard capacity or over	TM-RB1A	\$44.20	\$48.96		H H H H H H H H Y
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on euclid type equipment Make up day allowed	TM-RB1B	\$44.35	\$49.19		H H H H H H H H Y

Unofficial Rates For Informational Purposes Only