



Integrated **Design Solutions**

Project Manual

Troy School District
Service Building
Board Room
Acoustical Wall Panels
TSD Bid No. 9626

for

Troy School District
4400 Livernois
Troy, Michigan 48098

IDS Project No. 09209-1000

architecture
interiors
& technology
engineering

July 27, 2009
Bids

Project Manual

**Troy School District
Service Building
Board Room
Acoustical Wall Panels
TSD Bid No. 9626**

For The

**Troy School District
4400 Livernois
Troy, Michigan 48098**

Integrated Design Solutions LLC

Architecture, Engineering, Interiors & Technology
888 W Big Beaver, Suite 200
Troy, Michigan 48084
248.823.2100
Fax 248.823.2200
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IDS Project No. 09209-1000

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Service Building
Board Room Acoustical Wall Panels
Troy, Michigan

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SECTION 00100 - ADVERTISEMENT FOR BIDS

DATE: July 27, 2009

PROJECT: Troy School District
Service Building
Board Room Acoustical Wall Panels
TSD Bid No. 9626
Troy, Michigan

OWNER: Troy School District
4400 Livernois
Troy, Michigan 48098

ARCHITECT: Integrated Design Solutions, LLC
Architecture, Engineering, Interiors & Technology
888 W. Big Beaver, Suite 200
Troy, MI 48084
(248) 823-2100
(248) 823-2200 fax

BIDS RECEIVED: Until 3:00 pm local time on August 11, 2009, the Owner will receive sealed Bids for the work as set forth in the Bidding Documents at:

Troy School District
Purchasing Department
1140 Rankin
Troy, Michigan 48083

ATTN: Frank Lams
Purchasing Supervisor

All bids will be publicly opened and read aloud at 3:01 pm, August 11, 2009. A bid tabulation summary will be available.

The Bidding Documents will be on file on and after July 27, 2009 and may be examined at the following locations during regular business hours, Monday through Friday.

World Wide Web: Troy School District
Specifications Only: http://www.troy.k12.mi.us/purchasing/items_out_for_bid.htm

The offices of: Integrated Design Solutions, LLC, 888 W. Big Beaver, Suite 200, Troy, MI 48084, (248) 823-2100
Construction Association of Michigan, 43636 Woodward Ave., Bloomfield Hills, MI 48302, (248) 972-1000
Plan Room, MHC/ReproMAX (McGraw Hill Construction), 36060 Industrial Drive., Livonia, Michigan, 48150, (734) 464-2959, (734) 464-3104 fax.

The Architect will furnish one (1) set of documents to the bidders at no charge.

A pre-bid conference is scheduled for August 4, 2009 at 10:00 am local time. All interested Bidders are invited to attend. Bidders shall meet at Troy School District Service Building Board Room.

Troy School District
Service Building
Board Room Acoustical Wall Panels
Troy, Michigan

IDS Project No. 09209-1000

Each Bid shall be accompanied by a Bid Security in the form of a certified check, cashier's check, money order or bid bond made payable to Troy School District in an amount not less than five percent (5%) of the base bid as a Bid guarantee.

The successful Bidder shall provide a Performance Bond and a Labor and Material Payment Bond covering the faithful performance of the Contract and payment of all obligations arising thereunder, each in the amount of one hundred percent (100%) of the contract amount. The cost of such bonds shall be included in the Bid.

The bid security of Bidders under consideration will be returned immediately after execution of the Contract by the Owner. The amount of the bid security shall be forfeited to the Owner if the successful Bidder fails to enter into a contract and furnish required bonds and insurance certificates within ten (10) days after award of Contract.

Withdrawal of any Bid is prohibited for a period of sixty (60) days after the actual date of the opening thereof.

Each Bidder agrees to waive any claim it has or may have with the Owner, the Architect, and their respective employees, arising out of or in connection with the administration, evaluation, or recommendation of any bid.

The Owner reserves the right to reject any or all Bids, either in whole or in part, to reject a Bid not accompanied by the required bid security or by other data required by the Bidding Documents or to reject a Bid which is any way incomplete or irregular and to waive informality and irregularity in the bids and in the bidding.

The Owner reserves the right to accept Alternates in any order or combination and to determine the low Bidder on the basis of the sum of the base bid and the Alternates accepted.

END OF ADVERTISEMENT FOR BIDS

SECTION 00200 - INSTRUCTIONS TO BIDDERS

1. DEFINITIONS

- A. Bidding Documents include the Bidding Requirements and the proposed Contract Documents. The Bidding Requirements consist of the Advertisement for Bids, Instruction to Bidders, the Bid Form and other bidding and contract forms. The proposed Contract Documents consist of the Troy School District Purchase Order, Specifications, Drawings and Addenda issued prior to execution of the Contract.
- B. Addenda are written or graphic instruments issued by the Engineer prior to the execution of the Contract, which modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections.
- C. A Bidder is a person or entity who submits a Bid.
- D. A Bid is a complete and properly signed proposal to do the work for the sums stipulated therein submitted in accordance with the Bidding Documents.
- E. The Base Bid is the amount stated in the Bid for which the Bidder offers to perform the work as described in the Bidding Documents as the base, to which work may be added to or deleted from, for the amounts stated in the Alternates.
- F. An Alternate is an amount stated in the Bid Form to be added to or deducted from the amount of the Base Bid if the described Alternate is accepted.
- G. A Unit Price is an amount stated in the Bid as a price per unit of measurement for materials, equipment or services or a portion of the work as described in the Bidding Documents.

2. SECURING BIDDING DOCUMENTS

- A. Bidding is by public advertisement and invitation. Copies of the Bidding Documents may be obtained from Integrated Design Solutions, LLC, upon conditions set forth in the Advertisement for Bids.
- B. Only complete sets of Bidding Documents will be furnished. The Owner or Architect assumes no responsibility for errors or misinterpretations resulting from use of incomplete sets of Bidding Documents.

3. PREPARATION AND SUBMISSION OF BIDS

- A. Bids shall be submitted on forms bound in the Project Manual of the Bidding Documents.
- B. All blanks on the Bid Form must be filled in by typewriter or by hand in ink.
- C. Amounts shall be expressed in both words and figures. In case of a discrepancy the amount stated in words shall govern.
- D. Alterations by erasure or interlineations must be initialed by the Bidder.
- E. All Alternates must be bid. If no change in the Base Bid is required, enter "No Change."

- F. Submit the Bid, along with the bid security and any other documents required to be submitted with the Bid, to the Owner, and deliver to the address given in the Advertisement for Bids on or before the day and hour set for receipt of the Bids.
1. Enclose each Bid in a sealed opaque envelope bearing the title of the work SERVICE BUILDING, BOARD ROOM ACOUSTICAL WALL PANELS, TSD Bid No. 9626, the name of the Bidder, and the date and hour of the Bid opening, with the notation "SEALED BID ENCLOSED".
 2. Do not change the wording of the Bid Form, and do not add words to, or delete words from the Bid Form.
 3. Unauthorized conditions, limitations, or provisions attached to the Bid will be cause for rejection of the Bid.
 4. Submit only duplicate signed copies of the Bid. Clearly distinguish the original bid from the duplicated copies of the bid.
 5. It is the sole responsibility of the Bidder to see that his bid is received on time.
 6. Telephonic, telegraphic, facsimile (fax), or e-mail Bids or telephonic, telegraphic, facsimile (fax) or e-mail modification of a Bid will not be considered.
 7. Bids received after the time fixed for receiving them will not be considered and will be returned to the Bidder unopened.
 8. Properly identified Bids received on time will be publicly opened and read aloud. A bid tabulation summary will be available.
 9. The "AFFIDAVIT OF BIDDER" found in the Bid Form must be completed.
- G. The Bidder in submitting a Bid represents that:
1. The Bidder has read and understands the Bidding Documents, including the Drawings, Specifications and other proposed Contract Documents.
 2. The Bid is made in compliance with the Bidding Documents.
 3. The Bidder has visited the site of the Work and become informed as to existing conditions and limitations under which the Work is to be performed and included in their Bid a sum to cover the cost necessary to perform the Work as set forth in the Bidding Documents. No allowance will be made to a Bidder because of a lack of such examination or knowledge.
 4. The Bid is based upon materials, equipment and systems required by the Bidding Documents without exception and without substitutions.

4. FAMILIAL DISCLOSURE STATEMENT

- A. Each Bid shall be accompanied by the Familial Disclosure Statement in compliance with MCL380.1267. The Bid proposal must be accompanied by a sworn and notarized statement disclosing Familial Relationship that exists between the Bidder or any employee of the Bidder and any member of the Board of Education of the School District, or the Superintendent of the School District. The School District will not consider a Bid Proposal that does not include this sworn and notarized Disclosure Statement.

5. BID SECURITY AND BONDS

- A. Each bid shall be accompanied by a certified check, cashier's check, money order or bid bond made payable to Troy School District in an amount not less than five percent (5%) of the Base Bid as a proposal guarantee. Bid Bond shall be provided by a company licensed to do business in the State of Michigan.

- B. The successful Bidder shall provide a Performance Bond and a Labor and Material Payment Bond, covering the faithful performance of the Contract and payment of all obligations arising there under, each in the amount of one hundred percent (100%) of the contract amount. Bonds shall be provided by a company licensed to do business in the State of Michigan. The cost of such bonds shall be included in the Bid.
- C. The Bidder shall deliver the required bonds to the Owner not later than three days following the date of execution of the Contract. If the Work is to be commenced prior thereto in response to a letter of intent, the Bidder shall, prior to commencement of the Work, submit evidence satisfactory to the Owner that such bonds will be furnished and delivered in accordance with this paragraph.
- D. Should the Bidder refuse to enter into a Contract or fail to furnish such bonds, the amount of the bid security shall be forfeited to the Owner as liquidated damages, not as a penalty.
- E. The Owner will have the right to retain the bid security of Bidders to whom an award is being considered until either the Contract has been executed and bonds have been furnished or the specified time has elapsed so that the Bid may be withdrawn or all Bids have been rejected.

6. MODIFICATIONS AND WITHDRAWAL OF BIDS

- A. A Bidder may not modify, withdraw or cancel a Bid, for a period of sixty (60) days following the time and date designated for receipt of Bids, and by submitting a Bid each Bidder shall so agree.
- B. A Bidder may withdraw their Bid, either personally or by written request, at any time prior to the scheduled time for receipt of bids. A withdrawn Bid may be resubmitted up to the date and time designated for receipt of Bids.
- C. Prior to the time and date for receipt of Bids, a Bidder may modify a Bid by notice to the party receiving Bids, at the place designated for receipt of Bids. Such notice shall be in writing over the signature of the Bidder. Written notice and the signature of the Bidder shall be received, and date and time stamped by the receiving party on or before the date and time set for receipt of Bids. A change shall be worded as not to reveal the amount of the original Bid.

7. CONSIDERATION OF BIDS

- A. The Owner reserves the right to reject any or all Bids submitted either in whole or part, to reject a bid not accompanied by the required Bid security or by other data required by the Bidding Documents or to reject a Bid which is any way incomplete or irregular and to waive informality and irregularity in the Bids and in the Bidding.
- B. The Owner reserves the right to accept alternates in any order or combination and to determine the low Bidder on the basis of the sum of the Base Bid and the alternates accepted and to make the awards that the Owner determines are in its best interest. The decision of the Owner is final and not subject to appeal.
- C. The Owner reserves the right to negotiate with any Bidder without rebidding the project in whole or in part.

8. EXECUTION OF AGREEMENT

- A. The successful Bidder will be required to execute a Troy School District Purchase Order. The contract documents will be available for review and signatures within seven (7) days of contract award.
- B. The Bidder to whom the Contract is awarded shall, within five (5) calendar days after notice of award and receipt of Purchase Order forms from the Owner, sign and deliver required copies to the Owner.
- C. At or prior to delivery of the signed Purchase Order, the Bidder to whom the Contract is awarded shall deliver to the Owner those Certificates of Insurance required by the Owner.
- D. The Owner shall approve Bonds and Certificates of Insurance before the successful Bidder may proceed with the Work. Failure or refusal to provide Bonds or Certificates of Insurance or required permits in a form satisfactory to the Owner shall subject the successful Bidder to loss of time from the allowable construction period equal to the time of delay in furnishing the required material.

9. INTERPRETATION OF CONTRACT DOCUMENTS PRIOR TO BIDDING

- A. Bidders shall study and compare the Bidding Documents with each other, shall examine the site and local conditions by appointment with Owner and if in doubt as to the true meaning of any part of the Bidding Documents, or finds discrepancies, inconsistencies, ambiguities or errors in or omissions from any part of the Bidding Documents, the Bidder may submit to the Engineer a written request for interpretation thereof. The person submitting the request shall be responsible for its prompt delivery.

Bids Documents Available:	July 7, 2009
Deadline for RFI Submissions:	July 16, 2009, 12:00 pm
Deadline for RFI Responses and Addenda:	June 16, 2009, 4:00 pm
Bids Due:	July 21, 2009, 3:00 pm
Bid Opening:	July 21, 2009, 3:01 pm
Bid Award:	August 4, 2009 Board of Education Meeting

- B. Interpretation, correction or changes to the proposed Contract Documents will be made only by Addendum. Explanations, interpretations, corrections or changes of the Bidding Documents by any other method will not be binding.

10. ADDENDA/RESPONSES TO RFI'S

- A. Addenda and responses to RFI's will be posted on the TSD website and plan houses listed on the Advertisement for Bids.
- B. Copies of Addenda will be made available for inspection wherever Bidding Documents are on file.
- C. Addenda will be issued no later than four (4) days prior to the date for receipt of Bids, except an Addendum withdrawing the request for Bids or one which postpones the date for receipt of Bids.

- D. Each Bidder shall ascertain prior to submitting his bid that he has received all Addenda issued and shall acknowledge their receipt on the Bid Form.
- E. Each Bidder shall be responsible for compliance with all issued Addenda.

11. SUBSTITUTIONS

- A. No substitutions will be considered prior to receipt of Bids, unless a written request for approval has been received by the Architect at least ten (10) days prior to the date for receipt of Bids. Such request for substitutions shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitution including drawings, performance and test data, samples and other information necessary for an evaluation. A statement setting forth changes in other materials, equipment or other portions of the Work shall be included. The burden of proof of the merit of the proposed substitution is upon the proposer. The Architect's decision of approval or disapproval of a proposed substitution shall be final.
- B. If the Architect approves a proposed substitution prior to receipt of Bids, such approval will be set forth in an Addendum.
- C. No substitutions will be considered after Contract award unless specifically provided for in the Contract Documents.

12. TAXES

- A. For the purposes of this bid, the Troy School District is tax exempt. Do not include Federal, State or local taxes in the Bid. The Owner's federal and state tax exempt number is B38.600.3099. Usage taxes shall be included in the base bid price.

13. PERMITS AND FEES

- A. No permits are required.

14. TIME OF COMPLETION

- A. The Bidder, if awarded the Contract, agrees to complete the Work on or before the Contract Completion Date stated in the Bid Form.

15. EQUAL OPPORTUNITY

- A. The Contractor and the Contractor's Subcontractors shall not discriminate against any employee or applicant for employment because of race, religion, color, sex or national origin. The Contractor shall take steps to insure that applicants are employed, and that employees are treated during employment without regard to their race, religion, color, sex or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the policies of non-discrimination.
- B. The Contractor and the Contractor's Subcontractors shall, in all solicitations or advertisements for employees placed by them or on their behalf; state that all qualified applicants will receive consideration for employment without regard to race, religion, color, sex or national origin.

16. PREVAILING WAGE LAW

- A. Prevailing wage rates apply to this project.
- B. The wages and fringe benefits to be paid to each class of worker shall not be less than the wage and fringe benefit rates prevailing in the locality in which the work is to be performed, in accordance with Act 166 of the State of Michigan Public Acts of 1965 as amended.

17. POST BID INFORMATION

- A. Bidders to whom Contract award is under consideration shall submit to the Engineer, upon request, a properly executed AIA Document A305, Contractor's Qualification Statement.

END OF SECTION 00200

Troy School District
Service Building
Board Room Acoustical Wall Panels
Troy, Michigan

IDS Project No. 09209-1000

SECTION 00410 - BID FORM

OWNER: Troy School District
4400 Livernois
Troy, Michigan 48098

PROJECT: Troy School District
Service Building
Board Room Acoustical Wall Panels
TSD Bid No. 9626
Troy, Michigan

ARCHITECT: Integrated Design Solutions, LLC
Architecture, Engineering, Interiors & Technology
888 W. Big Beaver Road, Suite 200
Troy, Michigan 48084
(248) 823-2100
(248) 823-2200 fax

NAME OF BIDDER: _____

ADDRESS: _____

TELEPHONE & FAX: _____

EMAIL: _____

BID

Pursuant to and in compliance with your Advertisement for Bids Instructions to Bidders and other documents relating thereto, the undersigned proposes and agrees to furnish equipment, materials, and labor and perform all work necessary to complete the Troy School District, Service Building, Board Room Acoustical Wall Panels Project, TSD Bid No. 9626, in accordance with the Drawings and Specifications prepared by Integrated Design Solutions, LLC, and agrees to accept payment as herein provided.

BASE BID

Lump sum bid for all work specified and shown on the Drawings as indicated for base bid.

_____ Dollars (\$_____).

The amount shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

TAXES

For the purposes of this bid, the Troy School District is tax exempt. Do not include Federal, State or local taxes in the Bid. The Owner's federal and state tax-exempt number is B38.600.3099. Usage taxes shall be included in the base bid price.

BID SECURITY

Accompanying this Bid is a certified check, cashier's check, money order or bid bond (cross out those not applicable) made payable to Troy School District in the amount of five percent (5%), of Base Bid, which shall be retained by the Owner as liquidated damages, if the undersigned fails to execute the contract within ten (10) days of award of the Contract.

ADDENDA

The undersigned acknowledges the receipt of the following addenda:

Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____

TIME OF COMPLETION

The undersigned agrees that construction will complete the Project, including punchlists, by September 30, 2009.

WITHDRAWAL OF BIDS

The undersigned agrees that his Bid shall not be withdrawn for a period of sixty (60) days after the date set for receipt of Bids.

NON-COLLUSION

The undersigned certifies that the bid has not been prepared in collusion with any other bidder and that the prices, discounts, terms and conditions thereof have not been directly or indirectly communicated by or on behalf of the Bidder to any such person other than the recipient of such bid, and will not be communicated to any such person prior to the official opening of said bid. The undersigned fully understands that no premiums, rebates, or gratuities are permitted either with, prior to or after signing the Contract.

This certification may be treated as if it were a sworn statement made under oath, and is made subject to the provisions of 18 U. S. C., 1001, relating to the making of false statements.

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Board Room Acoustical Wall Panels
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SIGNATURE AND LEGAL STATUS OF BIDDER

Signed and sealed this _____ day of _____, 20_____.

(Individual, Partnership, Corporation)

State of Incorporation

Affix Corporate Seal By: _____

(Authorized Signature of Bidder)

(Print or Type Name of Bidder)

Title

Business Address

Instructions: Submit one (1) original and two (2) copies to the Owner and retain one (1) copy for the Bidder's records. Clearly label each copy submitted as either "original" or "copy".

END OF BID FORM

SECTION 00450

FAMILIAL DISCLOSURE STATEMENT

The undersigned, the owner or authorized officer of _____ (the "Bidder"), pursuant to the familial disclosure requirement provided in the Troy School District advertisement for construction bids, hereby represent and warrant, except as provided below, that no familial relationships exist between the owner(s) or any employee of the Troy School District and any member of the Board of Education of the School District or the Superintendent of the School District.

List any Familial Relationships:

BIDDER:

By: _____

Its: _____

STATE OF MICHIGAN)
)ss.
COUNTY OF _____)

This instrument was acknowledged before me on the ____ day of _____, 2009, by

_____.

, Notary Public

_____ County, Michigan

My Commission Expires: _____

Acting in the County of: _____

END OF SECTION



STATE OF MICHIGAN

JENNIFER M. GRANHOLM
GOVERNOR

DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH
LANSING

STANLEY "SKIP" PRUSS
DIRECTOR

REQUIREMENTS OF THE PREVAILING WAGES ON STATE PROJECTS ACT, PUBLIC ACT 166 OF 1965

The Michigan Department of Labor & Economic Growth determines prevailing rates pursuant to the Prevailing Wages on State Projects Act, Public Act 166 of 1965, as amended. The purpose of establishing prevailing rates is to provide minimum rates of pay that must be paid to workers on construction projects for which the state or a school district is the contracting agent and which is financed or financially supported by the state. By law, prevailing rates are compiled from the rates contained in collectively bargained agreements which cover the locations of the state projects. The official prevailing rates provide an hourly rate which includes wage and fringe benefit totals for designated construction mechanic classifications. The overtime rates also include wage and fringe benefit totals. Please pay special attention to the overtime and premium pay requirements. Prevailing wage is satisfied when wages plus fringe benefits paid to a worker are equal to or greater than the required rate.

State of Michigan responsibilities under the law:

- The department establishes the prevailing rate for each classification of construction mechanic ***requested by a contracting agent*** prior to contracts being let out for bid on a state project.

Contracting agent responsibilities under the law:

- If a contract is not awarded or construction does not start within 90 days of the date of the issuance of rates, a re-determination of rates must be requested by the contracting agent.
- Rates for classifications needed but not provided on the Prevailing Rate Schedule, ***must*** be obtained ***prior*** to contracts being let out for bid on a state project.
- The contracting agent, by written notice to the contractor and the sureties of the contractor known to the contracting agent, may terminate the contractor's right to proceed with that part of the contract, for which less than the prevailing rates have been or will be paid, and may proceed to complete the contract by separate agreement with another contractor or otherwise, and the original contractor and his sureties shall be liable to the contracting agent for any excess costs occasioned thereby.

Contractor responsibilities under the law:

- Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing rates prescribed in a contract.
- Every contractor and subcontractor shall keep certified payrolls, as used in the industry, of each and every construction mechanic, and verification of such certified payroll in writing by either a representative or auditor/certified accountant at the end of such a

DELEG is an equal opportunity employer/program.

Auxiliary aids, services and other reasonable accommodations are available upon request to individuals with disabilities.

WAGE & HOUR DIVISION
P.O. BOX 30476 • LANSING, MICHIGAN 48909-7976
www.michigan.gov/wagehour • (517) 335-0400 • FAX (517) 335-0077

certified payroll. These records should include the occupation and indicate the hours worked on each project for each classification and the actual wages and benefits paid. This record shall be available for reasonable inspection by the contracting agent or the department.

- Each contractor or subcontractor is separately liable for the payment of the prevailing rate to its employees.
- The prime contractor is responsible for advising all subcontractors of the requirement to pay the prevailing rate prior to commencement of work.
- The prime contractor is secondarily liable for payment of prevailing rates that are not paid by a subcontractor.
- A construction mechanic shall only be paid the apprentice rate if registered with the United States Department of Labor, Bureau of Apprenticeship and Training and the rate is included in the contract.

Enforcement:

A person who has information of an alleged prevailing wage violation on a state project may file a complaint with the Wage & Hour Division. The department will investigate and attempt to resolve the complaint informally. During the course of an investigation, if the requested records and posting certification are not made available in compliance with Section 5 of Act 166, the investigation will be concluded and a referral to the Office of Attorney General for civil action will be made. The Office of Attorney General will pursue costs and fees associated with a lawsuit if filing is necessary to obtain records.

A violation of Act 166 may result in the contractor's name being added to the Prevailing Wage Act Violators List published on the division's website, updated monthly. This list includes the names and addresses of contractors and subcontractors the division has found in violation of Act 166 based on complaints from individuals and third parties. The Prevailing Wage Act Violators List is intended to inform contracting agents of contractors that have violated Act 166 for use in determining who should receive state-funded projects.

ENGINEERS - CLASSES OF EQUIPMENT LIST

UNDERGROUND ENGINEERS	
CLASS I	Backfiller Tamper, Backhoe, Batch Plant Operator, Clam-Shell, Concrete Paver (2 drums or larger), Conveyor Loader (Euclid type), Crane (crawler, truck type or pile driving), Dozer, Dragline, Elevating Grader, End Loader, Gradall (and similar type machine), Grader, Power Shovel, Roller (asphalt), Scraper (self propelled or tractor drawn), Side Broom Tractor (type D-4 or larger), Slope Paver, Trencher (over 8' digging capacity), Well Drilling Rig, Mechanic, Slip Form Paver, Hydro Excavator.
CLASS II	Boom Truck (power swing type boom), Crusher, Hoist, Pump (1 or more 6" discharge or larger gas or diesel powered by generator of 300 amps or more, inclusive of generator), Side Boom Tractor (smaller than type D-4 or equivalent), Tractor (pneu-tired, other than backhoe or front end loader), Trencher (8' digging capacity and smaller), Vac Truck.
CLASS III	Air Compressors (600 cfm or larger), Air Compressors (2 or more less than 600 cfm), Boom Truck (non-swinging, non-powered type boom), Concrete Breaker (self-propelled or truck mounted, includes compressor), Concrete Paver (1 drum, ½ yard or larger), Elevator (other than passenger), Maintenance Man, Mechanic Helper, Pump (2 or more 4" up to 6" discharge, gas or diesel powered, excluding submersible pump), Pumpcrete Machine (and similar equipment), Wagon Drill Machine, Welding Machine or Generator (2 or more 300 amp or larger, gas or diesel powered).
CLASS IV	Boiler, Concrete Saw (40HP or over), Curing Machine (self-propelled), Farm Tractor (w/attachment), Finishing Machine (concrete), Firemen, Hydraulic Pipe Pushing Machine, Mulching Equipment, Oiler (2 or more up to 4", exclude submersible), Pumps (2 or more up to 4" discharge if used 3 hrs or more a day-gas or diesel powered, excluding submersible pumps), Roller (other than asphalt), Stump Remover, Vibrating Compaction Equipment (6' wide or over), Trencher (service) Sweeper (Wayne type and similar equipment), Water Wagon, Extend-a-Boom Forklift.

HAZARDOUS WASTE ABATEMENT ENGINEERS	
CLASS I	Backhoe, Batch Plant Operator, Clamshell, Concrete Breaker when attached to hoe, Concrete Cleaning Decontamination Machine Operator, Concrete Pump, Concrete Paver, Crusher, Dozer, Elevating Grader, Endloader, Farm Tractor (90 h.p. and higher), Gradall, Grader, Heavy Equipment Robotics Operator, Hydro Excavator, Loader, Pug Mill, Pumpcrete Machines, Pump Trucks, Roller, Scraper (self-propelled or tractor drawn), Side Boom Tractor, Slip Form Paver, Slope Paver, Trencher, Ultra High Pressure Waterjet Cutting Tool System Operator, Vacators, Vacuum Blasting Machine Operator, Vertical Lifting Hoist, Vibrating Compaction Equipment (self-propelled), and Well Drilling Rig.
CLASS II	Air Compressor, Concrete Breaker when not attached to hoe, Elevator, End Dumps, Equipment Decontamination Operator, Farm Tractor (less than 90 h.p.), Forklift, Generator, Heater, Mulcher, Pigs (Portable Reagent Storage Tanks), Power Screens, Pumps (water), Stationary Compressed Air Plant, Sweeper, Water Wagon and Welding Machine.

Revised: 05/23/08



JENNIFER M.
GRANHOLM
GOVERNOR

Michigan Department of Energy, Labor & Economic Growth

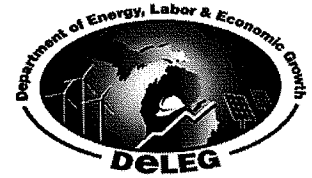
Wage & Hour Division

PO Box 30476

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STANLEY "SKIP" PRUSS
DIRECTOR

Informational Sheet: Prevailing Wages on State Projects General Information Regarding Fringe Benefits

Certain fringe benefits **may** be credited toward the payment of the Prevailing Wage Rate:

- If a fringe benefit is paid directly to a construction mechanic
- If a fringe benefit contribution or payment is made on behalf of a construction mechanic
- If a fringe benefit, which may be provided to a construction mechanic, is pursuant to a written contract or policy
- If a fringe benefit is paid into a fund, for a construction mechanic

When a fringe benefit is not paid by an hourly rate, the hourly credit will be calculated based on the annual value of the fringe benefit divided by 2080 hours per year (52 weeks @ 40 hours per week).

The following is an example of the types of fringe benefits allowed and how an hourly credit is calculated:

Vacation	40 hours X \$14.00 per hour = \$560/2080 =	\$0.27
Dental insurance	\$31.07 monthly premium X 12 mos. = \$372.84 /2080 =	\$0.18
Vision insurance	\$5.38 monthly premium X 12 mos. = \$64.56/2080 =	\$0.03
Health insurance	\$230.00 monthly premium X 12 mos. = \$2,760.00/2080 =	\$1.33
Life insurance	\$27.04 monthly premium X 12 mos. = \$324.48/2080 =	\$0.16
Tuition	\$500.00 annual cost/2080 =	\$0.24
Bonus	4 quarterly bonus/year x \$250 = \$1000.00/2080 =	\$0.48
401k Employer Contribution	\$2000.00 total annual contribution/2080 =	\$0.96
Total Hourly Credit		\$3.65

Other examples of the types of fringe benefits allowed:

- Sick pay
- Holiday pay
- Accidental Death & Dismemberment insurance premiums

The following are examples of items that **will not** be credited toward the payment of the Prevailing Wage Rate

- Legally required payments, such as:
 - Unemployment Insurance payments
 - Workers' Compensation Insurance payments
 - FICA (Social Security contributions, Medicare contributions)
- Reimbursable expenses, such as:
 - Clothing allowance or reimbursement
 - Uniform allowance or reimbursement
 - Gas allowance or reimbursement
 - Travel time or payment
 - Meals or lodging allowance or reimbursement
 - Per diem allowance or payment
- Other payments to or on behalf of a construction mechanic that are not wages or fringe benefits, such as:
 - Industry advancement funds
 - Financial or material loans

Michigan Department Energy, Labor & Economic Growth
Wage & Hour Division
Overtime Provisions for MICHIGAN PREVAILING WAGE RATE
COMMERCIAL SCHEDULE

1. Overtime is represented as a nine character code. Each character represents a certain period of time after the first 8 hours Monday thru Friday.

	Monday thru Friday	Saturday	Sunday & Holidays
First 8 Hours		4	8
9th Hour	1	5	
10th Hour	2	6	
Over 10 hours	3	7	

Overtime for Monday thru Friday after 8 hours:

the 1st character is for time worked in the 9th hour (8.1 - 9 hours)

the 2nd character is for time worked in the 10th hour (9.1 - 10 hours)

the 3rd character is for time worked beyond the 10th hour (10.1 and beyond)

Overtime on Saturday:

the 4th character is for time worked in the first 8 hours on Saturday (0 - 8 hours)

the 5th character is for time worked in the 9th hour on Saturday (8.1 - 9 hours)

the 6th character is for time worked in the 10th hour (9.1 - 10 hours)

the 7th character is for time worked beyond the 10th hour (10.01 and beyond)

Overtime on Sundays & Holidays

The 8th character is for time worked on Sunday or on a holiday

Four Ten Hour Days

The last character indicates if an optional 4-day 10-hour per day workweek can be worked.

2. Overtime Indicators Used in the Overtime Provision:

H - means TIME AND ONE-HALF due

X - means TIME AND ONE-HALF due after 40 HOURS worked

D - means DOUBLE PAY due

Y - means YES. An optional 4-day 10-hour per day workweek can be worked without paying overtime after 8 hours worked.

N - means NO. An optional 4-day 10-hour per day workweek *can not* be worked without paying overtime after 8 hours worked.

3. EXAMPLES:

HHHHHHHDN - This example shows that the 1½ rate must be used for time worked after 8 hours Monday thru Friday (*characters 1 - 3*); for all hours worked on Saturday, 1½ rate is due (*characters 4 - 7*). Work done on Sundays or holidays must be paid double time (*character 8*). The N (*character 9*) indicates that 4 ten-hour days is not an acceptable workweek at regular pay.

XXXHHHHDY - This example shows that the 1½ rate must be used for time worked after 40 hours are worked Monday thru Friday (*characters 1-3*); for hours worked on Saturday, 1½ rate is due (*characters 4 - 7*). Work done on Sundays or holidays must be paid double time (*character 8*). The Y (*character 9*) indicates that 4 ten-hour days is an acceptable alternative workweek.

(REV 06/04/09)

State of Michigan
Department of Energy, Labor and Economic Growth

Official Request #: 993
Requestor: TROY SCHOOL DISTRICT
Project Description: BOARD ROOM ACOUSTICS
Project Number: SERVICE BUILDING

Wage and Hour Division
 6546 Mercantile Way, Suite 5
 PO Box 30476
 Lansing, MI 48909-7976
 Telephone: 517-335-0400
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Oakland County
Official 2009 Prevailing Wage Rates for State Funded Projects

Issue Date: 7/20/2009
Contract must be awarded by: 10/18/2009

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<u>Classification</u>		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
<hr/>						
Asbestos & Lead Abatement Laborer						
Asbestos & Lead Abatement Laborer	MLDC	6/11/2009	\$34.10	\$46.37	\$58.63	H H H X X X D Y
4 ten hour days @ straight time allowed Monday-Saturday, must be consecutive calendar days						
Asbestos & Lead Abatement, Hazardous Material Handler						
Asbestos and Lead Abatement, Hazardous Material Handler	AS207	6/11/2009	\$34.05	\$46.53	\$59.00	H H H X X X D Y
4 ten hour days @ straight time allowed Monday-						
Boilermaker						
Boilermaker	BO169	11/5/2007	\$51.27	\$76.00	\$100.74	H H H H H H D Y
Apprentice Rates:						
1st 6 months			\$38.12	\$56.28	\$74.44	
2nd 6 months			\$39.17	\$57.86	\$76.54	
3rd 6 months			\$40.23	\$59.45	\$78.66	
4th 6 months			\$41.29	\$61.04	\$80.78	
5th 6 months			\$42.33	\$62.60	\$82.86	
6th 6 months			\$44.44	\$65.76	\$87.08	
7th 6 months			\$46.54	\$68.91	\$91.28	
8th 6 months			\$48.65	\$72.08	\$95.50	
Bricklayer						
Bricklayer, stone mason, pointer, cleaner, caulker	BR1	12/4/2008	\$50.18	\$75.27	\$100.36	H H D H D D D N
Apprentice Rates:						
First 6 months			\$30.22	\$45.33	\$60.44	
2nd 6 months			\$32.07	\$48.10	\$64.14	
3rd 6 months			\$33.92	\$50.88	\$67.84	
4th 6 months			\$35.77	\$53.66	\$71.54	
5th 6 months			\$37.62	\$56.43	\$75.24	
6th 6 months			\$39.47	\$59.20	\$78.94	
7th 6 months			\$41.32	\$61.98	\$82.64	
8th 6 months			\$43.17	\$64.76	\$86.34	

Official Request 993
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<u>Classification</u>		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Carpenter						
Carpet and Resilient Floor Layer, (does not include installation of prefabricated formica & parquet flooring which is to be paid carpenter rate)	CA1045	2/2/2009	\$43.24	\$61.36	\$79.47	H H H H D D D D N
Apprentice Rates:						
	1st 6 months		\$21.10	\$28.15	\$35.19	
	2nd 6 months		\$25.12	\$34.17	\$43.23	
	3rd 6 months		\$26.93	\$36.89	\$46.85	
	4th 6 months		\$28.75	\$39.62	\$50.49	
	5th 6 months		\$30.56	\$42.34	\$54.11	
	6th 6 months		\$32.37	\$45.06	\$57.73	
	7th 6 months		\$34.17	\$47.75	\$61.33	
	8th 6 months		\$35.99	\$50.48	\$64.97	
Carpenter	CA687Z1	1/29/2009	\$48.05	\$68.47	\$88.89	H H D H D D D D Y
Apprentice Rates:						
	1st Year		\$29.68	\$40.91	\$52.15	
	3rd 6 months		\$31.72	\$43.98	\$56.23	
	4th 6 months		\$33.75	\$47.02	\$60.29	
	5th 6 months		\$35.80	\$50.09	\$64.39	
	6th 6 months		\$37.85	\$53.17	\$68.49	
	7th 6 months		\$39.89	\$56.24	\$72.57	
	8th 6 months		\$41.93	\$59.29	\$76.65	
Piledriver	CA687Z1P	1/29/2009	\$48.05	\$68.47	\$88.89	H H D H D D D D Y
Apprentice Rates:						
	1st 6 months		\$29.68	\$40.91	\$52.15	
	2nd 6 months		\$33.75	\$47.02	\$60.29	
	3rd 6 months		\$37.85	\$53.17	\$68.49	
	4th 6 months		\$41.93	\$59.29	\$76.65	
<u>Subdivision of county</u>						
Cement Mason						
Cement Mason	br1cm	12/18/2008	\$45.26	\$63.65	\$82.04	H H D H H H H D N
Apprentice Rates:						
	1st 6 months		\$26.62	\$35.82	\$45.01	
	2nd 6 months		\$28.45	\$38.56	\$48.67	
	3rd 6 months		\$32.13	\$44.09	\$56.03	
	4th 6 months		\$35.80	\$49.59	\$63.37	
	5th 6 months		\$37.64	\$52.35	\$67.05	
	6th 6 months		\$41.31	\$57.85	\$74.39	

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Drywall						
Drywall Taper	PT-22-D	9/1/2006	\$38.45	\$50.90	\$63.35	H H D H D D D D N
Apprentice Rates:						
	First 3 months		\$26.00	\$32.23	\$38.45	
	Second 3 months		\$28.49	\$35.96	\$43.43	
	Second 6 months		\$30.98	\$39.69	\$48.41	
	Third 6 months		\$33.47	\$43.43	\$53.39	
	4th 6 months		\$34.71	\$45.29	\$55.87	
Electrician						
Road Way Electrical Work	EC-17	11/19/2007	\$45.37	\$65.63	\$85.90	H H H H H H D Y
Double time due after 16 hours on any calendar day and all hours Sunday.						
Apprentice Rates:						
	1st 6 months		\$29.17	\$41.34	\$53.50	
	2nd 6 months		\$31.19	\$44.36	\$57.54	
	3rd 6 months		\$33.21	\$47.40	\$61.58	
	4th 6 months		\$35.23	\$50.43	\$65.62	
	5th 6 months		\$37.25	\$53.46	\$69.66	
	6th 6 months		\$41.32	\$59.57	\$77.80	
<u>Subdivision of county</u>	Holly not included					
Inside Wireman	EC-58-IW	1/7/2008	\$53.62	\$71.49	\$89.36	H H H H H H D N
Apprentice Rates:						
	0-1000 hours		\$32.18	\$39.33	\$46.48	
	1000-2000 hours		\$33.97	\$42.02	\$50.06	
	2000-3500 hours		\$35.75	\$44.68	\$53.62	
	3500-5000 hours		\$37.54	\$47.38	\$57.20	
	5000-6500 hours		\$41.12	\$52.74	\$64.36	
	6500-8000 hours		\$44.68	\$58.08	\$71.48	
Sound and Communication Installer/Technician	EC-58-SC	1/7/2008	\$32.54	\$44.20	\$55.86	H H H H H H D N
Apprentice Rates:						
	Period 1		\$20.88	\$26.71	\$32.54	
	Period 2		\$22.04	\$28.46	\$34.86	
	Period 3		\$23.21	\$30.21	\$37.20	
	Period 4		\$24.38	\$31.96	\$39.54	
	Period 5		\$25.55	\$33.72	\$41.88	
	Period 6		\$26.71	\$35.46	\$44.20	

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Elevator Constructor						
Elevator Constructor	EL 36		\$56.46		\$94.99	D D D D D D D Y
Elevator Constructor		8/7/2007				
Apprentice Rates:						
	1st Year Apprentice		\$37.74		\$58.93	
	2nd Year Apprentice		\$41.90		\$66.94	
	3rd Year Apprentice		\$43.98		\$70.95	
	4th Year Apprentice		\$48.14		\$78.96	
Glazier						
Glazier	GL-357		\$45.20	\$59.80		H H H H H H H Y
If a four 10 hour day workweek is scheduled, four 10s must be consecutive, M-F.		6/10/2009				
Apprentice Rates:						
	1st 6 months		\$31.29	\$38.59		
	2nd 6 months		\$32.82	\$40.85		
	3rd 6 months		\$35.89	\$45.38		
	4th 6 months		\$37.42	\$47.64		
	5th 6 months		\$38.96	\$49.91		
	6th 6 months		\$40.49	\$52.17		
	7th 6 months		\$42.02	\$54.43		
	8th 6 months		\$45.09	\$58.96		
Heat and Frost Insulator						
Spray Insulation	AS25S		\$20.14	\$29.14		H H H H H H H N
		3/5/2007				
Heat and Frost Insulator and Asbestos Worker						
Heat and Frost Insulators and Asbestos Workers	AS25		\$51.35	\$66.51	\$81.67	H H H H H H D Y
		10/16/2008				
Apprentice Rates:						
	1st Year		\$37.71	\$46.05	\$54.39	
	2nd Year		\$40.74	\$50.59	\$60.45	
	3rd Year		\$42.25	\$52.86	\$63.47	
	4th Year		\$45.29	\$57.42	\$69.55	
Ironworker						
Fence Erecting	IR-25-F		\$42.16	\$62.99	\$83.81	H H D H H H D Y
		7/1/2008				

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Siding, Glazing, Curtain Wall	IR-25-GZ1	3/28/2008	\$39.86	\$59.54	\$79.22	H H D H H H D D Y
Apprentice Rates:						
	Level 1		\$24.72	\$36.54	\$48.34	
	Level 2		\$26.69	\$39.49	\$52.28	
	Level 3		\$28.65	\$42.43	\$56.20	
	Level 4		\$30.62	\$45.39	\$60.14	
	Level 5		\$32.59	\$48.34	\$64.08	
	Level 6		\$34.56	\$51.29	\$68.02	
Pre-engineered Metal Work	IR-25-PE-Z1-Z2	5/8/2008	\$41.69	\$52.37	\$63.04	X X H X X X D Y
Apprentice Rates:						
	1st level		\$23.47	\$28.51	\$33.55	
	2nd level		\$25.12	\$30.85	\$36.58	
	3rd level		\$26.78	\$33.19	\$39.61	
	4th level		\$28.44	\$35.55	\$42.66	
	5th level		\$30.10	\$37.90	\$45.70	
	6th level		\$31.36	\$39.65	\$47.93	
Reinforced Iron Work	IR-25-RF	6/2/2008	\$50.06	\$74.82	\$99.58	H H D H D D D N
Apprentice Rates:						
	Level 1		\$30.85	\$45.71	\$60.56	
	Level 2		\$33.33	\$49.43	\$65.52	
	Level 3		\$35.79	\$53.11	\$70.44	
	Level 4		\$38.29	\$56.87	\$75.44	
	Level 5		\$40.75	\$60.55	\$80.36	
	Level 6		\$43.23	\$64.28	\$85.32	
Rigging Work	IR-25-RIG	6/2/2008	\$55.48	\$82.99	\$110.49	H H H H H H D N
Apprentice Rates:						
	Level 1&2		\$31.46	\$46.59	\$61.72	
	Level 3		\$34.21	\$50.72	\$67.22	
	Level 4		\$36.95	\$54.83	\$72.70	
	Level 5		\$39.71	\$58.97	\$78.22	
	Level 6		\$42.46	\$63.09	\$83.72	
Decking	IR-25-SD	10/4/2007	\$46.40	\$69.32	\$92.23	H H D H H H D D Y

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision								
Name	Description													
Structural, ornamental, conveyor, welder and pre-cast	IR-25-STR	6/2/2008	\$55.61	\$83.12	\$110.62	H	H	D	H	H	H	D	D	Y
Apprentice Rates:														
Levels 1 & 2				\$31.46	\$46.59	\$61.72								
Level 3				\$34.21	\$50.72	\$67.22								
Level 4				\$36.95	\$54.83	\$72.70								
Level 5				\$39.71	\$58.97	\$78.22								
Level 6				\$42.46	\$63.09	\$83.72								
Level 7				\$45.20	\$67.20	\$89.20								
Level 8			\$47.96	\$71.34	\$94.72									
Industrial Door erection & construction	IR-25-STR-D	3/28/2008	\$35.72	\$47.34	\$58.96	H	H	D	H	H	H	D	D	Y
Laborer														
Construction Laborer, Mason Tender, Carpenter Tender, Drywall Handler, Concrete Laborer, Cement Finisher tender, concrete chute and concrete Bucket Handler, Concrete Laborer, Demolition Laborer	L1076-A-A	7/10/2009	\$38.76	\$54.96	\$71.15	H	H	D	H	D	D	D	D	Y
Apprentice Rates:														
0-1,000 work hours				\$32.99	\$46.30	\$59.61								
1,001-2,000 work hours				\$34.14	\$48.02	\$61.91								
2,001-3,000 work hours				\$35.30	\$49.76	\$64.23								
3,001-4,000 work hours			\$37.61	\$53.23	\$68.85									
Signal man (on sewer & caisson work); air,electric or gasoline tool operator (including concrete vibrator operator,acetylene torch & air hammer operator); scaffold builder, caisson worker	L1076-A-B	7/10/2009	\$39.02	\$55.35	\$71.67	H	H	D	H	D	D	D	D	Y
Lansing Burner, Blaster & Powder Man	L1076-A-C	7/10/2009	\$39.51	\$56.08	\$72.65	H	H	D	H	D	D	D	D	Y
Furnance battery heater tender, burning bar & oxy-acetylene gun, expediter man, top man and/or bottom man (blast furnace work)	L1076-A-D	7/10/2009	\$39.26	\$55.71	\$72.15	H	H	D	H	D	D	D	D	Y
Cleaner/ sweeper laborer, furniture laborer	L1076-A-E	7/10/2009	\$33.31	\$46.78	\$60.25	H	H	D	H	D	D	D	D	Y
Demolition Laborer	L1076-D	7/10/2009	\$38.76	\$54.96	\$71.15	H	H	D	H	D	D	D	D	Y

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Plasterer Tender, Plastering Machine Operator LPT-1	7/1/2008	\$40.14	\$56.96	\$73.77	H H D H D D D D N
Apprentice Rates:					
0 - 1,000 hours		\$32.88	\$46.07	\$59.25	
1,001 - 2,000 hours		\$34.05	\$47.82	\$61.59	
2,001 - 3,000 hours		\$35.23	\$49.60	\$63.95	
3,001 - 4,000 hours		\$37.58	\$53.12	\$68.65	
Laborer - Hazardous					
Class A Laborer - 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 used of personal protective equipment level "D" is required. LHAZ-Z2-A	11/14/2008	\$38.76	\$54.89	\$71.01	H H H H H H D Y
Apprentice Rates:					
0-1,000 work hours		\$32.88	\$46.07	\$59.25	
1,001-2,000 work hours		\$34.05	\$47.82	\$61.59	
2,001-3,000 work hours		\$35.23	\$49.60	\$63.95	
3,001-4,000 work hours		\$37.58	\$53.12	\$68.65	
Class B Laborer - 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. LHAZ-Z2-B	11/14/2008	\$39.76	\$56.39	\$73.01	H H H H H H D Y
Apprentice Rates:					
0-1,000 work hours		\$33.62	\$47.18	\$60.73	
1,001-2,000 work hours		\$34.85	\$49.02	\$63.19	
2,001-3,000 work hours		\$36.08	\$50.87	\$65.65	
3,001-4,000 work hours		\$38.53	\$54.54	\$70.55	
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-Z1-1	9/24/2008	\$34.54	\$45.45	\$56.35	H H H H H H D Y
Apprentice Rates:					
0-1,000 work hours		\$29.67	\$38.14	\$46.61	
1,001-2,000 work hours		\$30.64	\$39.59	\$48.55	
2,001-3,000 work hours		\$31.62	\$41.07	\$50.51	
3,001-4,000 work hours		\$33.57	\$43.99	\$54.41	

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Class II - Manhole, headwall, catch basin builder, bricklayer tender, mortar man, material mixer, fence erector, and guard rail builder.	LAUCT-Z1-2	9/24/2008	\$34.65	\$45.61	\$56.57	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$29.75	\$38.26	\$46.77	
1,001-2,000 work hours			\$30.73	\$39.73	\$48.73	
2,001-3,000 work hours			\$31.71	\$41.20	\$50.69	
3,001-4,000 work hours			\$33.67	\$44.14	\$54.61	
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	LAUCT-Z1-3	9/24/2008	\$34.71	\$45.70	\$56.69	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$29.79	\$38.32	\$46.85	
1,001-2,000 work hours			\$30.78	\$39.81	\$48.83	
2,001-3,000 work hours			\$31.76	\$41.27	\$50.79	
3,001-4,000 work hours			\$33.73	\$44.23	\$54.73	
Class IV - Tunnel, shaft and caisson mucker, bracer man, liner plate man, long haul dinky driver and well point	LAUCT-Z1-4	9/24/2008	\$34.89	\$45.97	\$57.05	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$29.93	\$38.53	\$47.13	
1,001-2,000 work hours			\$30.92	\$40.01	\$49.11	
2,001-3,000 work hours			\$31.91	\$41.50	\$51.09	
3,001-4,000 work hours			\$33.90	\$44.49	\$55.07	
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)	LAUCT-Z1-5	9/24/2008	\$35.14	\$46.35	\$57.55	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$30.12	\$38.81	\$47.51	
1,001-2,000 work hours			\$31.12	\$40.31	\$49.51	
2,001-3,000 work hours			\$32.13	\$41.83	\$51.53	
3,001-4,000 work hours			\$34.14	\$44.85	\$55.55	

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Name	Description					
Class VI - Dynamite man and powder man.	LAUCT-Z1-6	9/24/2008	\$35.47	\$46.84	\$58.21	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$30.37	\$39.19	\$48.01	
1,001-2,000 work hours			\$31.39	\$40.72	\$50.05	
2,001-3,000 work hours			\$32.41	\$42.25	\$52.09	
3,001-4,000 work hours			\$34.45	\$45.31	\$56.17	
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-Z1-7	9/24/2008	\$28.75	\$36.76	\$44.77	H H H H H H D Y
Apprentice Rates:						
0-1,000 work hours			\$25.32	\$31.61	\$37.91	
1,001-2,000 work hours			\$26.01	\$32.65	\$39.29	
2,001-3,000 work hours			\$26.69	\$33.67	\$40.65	
3,001-4,000 work hours			\$28.06	\$35.73	\$43.39	
Landscape Laborer						
Landscape Specialist includes air, gas, and diesel equipment operator, lawn sprinkler installer on landscaping work where seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintenance of landscape projects occurs.	LLAN-Z1-A	7/9/2009	\$25.38	\$35.06	\$44.74	X X H X X X H D Y
Sundays paid at time & one half. Holidays paid at double						
All work pertaining to landscaping where seeding, sodding, planting, cutting, trimming, backfilling, rough grading or maintaining of landscape projects occurs which may include small power tool operator, lawn sprinkler installer helper, material mover, & truck driver.	LLAN-Z1-B	7/9/2009	\$21.16	\$28.73	\$36.30	X X H X X X H D Y
Sundays paid at time & one half. Holidays paid at double time.						
Marble Finisher						
Marble Finisher	BR1-MF	11/7/2008	\$40.36	\$50.91	\$61.45	H H D H D D D D Y
Apprentice Rates:						
Level 1			\$17.66	\$23.39	\$29.11	
Level 2			\$18.78	\$25.07	\$31.35	
Level 3			\$25.06	\$31.73	\$38.39	
Level 4			\$26.43	\$33.78	\$41.13	
Level 5			\$27.83	\$35.40	\$42.98	
Level 6			\$29.33	\$37.30	\$45.26	
Level 7			\$30.90	\$38.93	\$46.97	
Level 8			\$32.29	\$40.60	\$48.91	

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Name	Description						
Marble Mason							
Marble Mason	BR1-MM		11/7/2008	\$46.68	\$60.39	\$74.09	H H D H D D D Y
Apprentice Rates:							
	Level 1			\$23.33	\$30.54	\$37.74	
	Level 2			\$26.17	\$34.14	\$42.12	
	Level 3			\$31.01	\$39.20	\$47.40	
	Level 4			\$33.56	\$42.67	\$51.78	
	Level 5			\$35.65	\$45.02	\$54.40	
	Level 6			\$39.06	\$50.07	\$61.09	
	Level 7			\$39.67	\$50.85	\$62.03	
	Level 8			\$40.54	\$52.15	\$63.77	
Operating Engineer							
Crane with boom & jib or leads 120' or longer	EN-324-A120		6/5/2008	\$50.71	\$67.65	\$84.58	H H D H D D D Y
Crane with boom & jib or leads 140' or longer	EN-324-A140		6/5/2008	\$51.53	\$68.88	\$86.22	H H D H D D D Y
Crane with boom & jib or leads 220' or longer	EN-324-A220		6/5/2008	\$51.83	\$69.33	\$86.82	H H D H D D D Y
Crane with boom & jib or leads 300' or longer	EN-324-A300		6/5/2008	\$53.33	\$71.58	\$89.82	H H D H D D D Y
Crane with boom & jib or leads 400' or longer	EN-324-A400		6/5/2008	\$54.83	\$73.83	\$92.82	H H D H D D D Y
Compressor or welding machine	EN-324-CW		6/5/2008	\$39.86	\$51.37	\$62.88	H H D H D D D Y
Forklift, lull, extend-a-boom forklift	EN-324-FL		6/5/2008	\$47.17	\$62.34	\$77.50	H H D H D D D Y
Fireman or oiler	EN-324-FO		6/5/2008	\$38.83	\$49.83	\$60.82	H H D H D D D Y
Regular crane, job mechanic, concrete pump with boom	EN-324-RC		6/5/2008	\$49.85	\$66.36	\$82.86	H H D H D D D Y
Regular engineer, hydro-excavator, remote controlled concrete breaker	EN-324-RE		6/5/2008	\$48.88	\$64.90	\$80.92	H H D H D D D Y
Apprentice Rates:							
	Period 1			\$38.92	\$50.14	\$61.35	
	Period 2			\$40.53	\$52.55	\$64.57	
	Period 3			\$42.12	\$54.94	\$67.75	
	Period 4			\$43.72	\$57.34	\$70.95	
	Period 5			\$45.32	\$59.73	\$74.15	
	Period 6			\$46.93	\$62.15	\$77.37	

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Name	Description						
Operating Engineer - Marine Construction							
Diver/Wet Tender, Engineer (hydraulic dredge)	GLF-1		5/6/2009	\$54.09	\$71.02	\$87.94	X X H H H H H D Y

Holiday pay= \$104.86 per hour

<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		5/6/2009	\$52.59	\$68.77	\$84.94	X X H H H H H D Y

Holiday pay = \$101.11 per hour

<u>Subdivision of county</u>	All Great Lakes, islands therein, & connecting & tributary waters						
Deck Equipment Operator, Machineryman, Maintenance of Crane, Tug/Launch Operator, Loader, Dozer on Barge, Deck Machinery	GLF-3		5/6/2009	\$49.04	\$63.44	\$77.84	X X H H H H H D Y

Holiday pay = \$92.24 per hour

<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		5/6/2009	\$44.19	\$56.17	\$68.14	X X H H H H H D Y

<u>Subdivision of county</u>	All Great Lakes, islands therein, & connecting & tributary waters											
Operating Engineer Hazardous Waste Class I												
Level A - Fully encapsulating chemical resistant suit w/ pressure demand, full face piece SCBA or pressure demand supplied air respirator w/ escape SCBA. The highest available level of respiratory, skin and eye	EN-324-HWCI-Z1A	\$48.54	\$64.41	\$80.27	H	H	H	H	H	H	D	Y
	10/1/2008											

Apprentice Rates:

1st 6 months	\$38.67	\$49.77	\$60.88
2nd 6 months	\$40.25	\$52.15	\$64.04
3rd 6 months	\$41.84	\$54.53	\$67.22
4th 6 months	\$43.43	\$56.92	\$70.40
5th 6 months	\$45.01	\$59.28	\$73.56
6th 6 months	\$46.60	\$61.68	\$76.74

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Name	Description					
Level B & C protection. B - Pressure demand, full face SCBA or pressure demand supplied air respirator w/ escape SCBA w/chemical resistant clothing. C - Full face piece, air purifying canister-equipped respirator w/chemical resistant clothing.	EN-324-HWCI-Z1B	10/1/2008	\$47.59	\$62.98	\$78.37	H H H H H H D Y
Apprentice Rates:						
1st 6 months			\$38.01	\$48.79	\$59.56	
2nd 6 months			\$39.55	\$51.10	\$62.64	
3rd 6 months			\$41.09	\$53.41	\$65.72	
4th 6 months			\$42.62	\$55.70	\$68.78	
5th 6 months			\$44.16	\$58.02	\$71.86	
6th 6 months			\$45.70	\$60.32	\$74.94	
Level D - Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWCI-Z1D	10/1/2008	\$46.29	\$61.03	\$75.77	H H H H H H D Y
Apprentice Rates:						
1st 6 months			\$37.09	\$47.41	\$57.72	
2nd 6 months			\$38.56	\$49.61	\$60.66	
3rd 6 months			\$40.04	\$51.83	\$63.62	
4th 6 months			\$41.52	\$54.05	\$66.58	
5th 6 months			\$42.99	\$56.25	\$69.52	
6th 6 months			\$44.46	\$58.46	\$72.46	
Level D When Capping Landfill Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWCI-Z1DCL	10/1/2008	\$46.04	\$60.66	\$75.27	H H H H H H D Y
Apprentice Rates:						
1st 6 months			\$36.92	\$47.15	\$57.38	
2nd 6 months			\$38.39	\$49.35	\$60.32	
3rd 6 months			\$39.85	\$51.55	\$63.24	
4th 6 months			\$41.31	\$53.74	\$66.16	
5th 6 months			\$42.77	\$55.93	\$69.08	
6th 6 months			\$44.23	\$58.11	\$72.00	
Operating Engineer Hazardous Waste Class II						
Level A - Fully encapsulating chemical resistant suit w/ pressure demand, full face piece SCBA or pressure demand supplied air respirator w/ escape SCBA. The highest available level of respiratory, skin and eye	EN-324-HWCII-Z1A	10/1/2008	\$44.31	\$58.06	\$71.81	H H H H H H D Y
Level B & C protection. B - Pressure demand, full face SCBA or pressure demand supplied air respirator w/ escape SCBA w/chemical resistant clothing. C - Full face piece, air purifying canister-equipped respirator w/chemical resistant clothing.	EN-324-HWCII-Z1B	10/1/2008	\$43.36	\$56.64	\$69.91	H H H H H H D Y

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Level D - Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWCII-Z1D 10/1/2008	\$42.06	\$54.69	\$67.31	H H H H H H D Y
Level D When Capping Landfill Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWCII-Z1DCL 10/1/2008	\$41.81	\$54.31	\$66.81	H H H H H H D Y
Operating Engineer Hazardous Waste Crane w/ Boom & Jib leads 140' or longer					
Level A - Fully encapsulating chemical resistant suit w/ pressure demand, full face piece SCBA or pressure demand supplied air respirator w/ escape SCBA. The highest available level of respiratory, skin and eye	EN-324-HW140-Z1A 10/1/2008	\$51.19	\$68.38	\$85.57	H H H H H H D Y
Level B & C protection. B - Pressure demand, full face SCBA or pressure demand supplied air respirator w/ escape SCBA w/chemical resistant clothing. C - Full face piece, air purifying canister-equipped respirator w/chemical resistant clothing.	EN-324-HW140-Z1B 10/1/2008	\$50.24	\$66.96	\$83.67	H H H H H H D Y
Level D Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HW140-Z1D 10/1/2008	\$48.94	\$65.01	\$81.07	H H H H H H D Y
Level D When Capping Landfill Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HW140-Z1DCL 10/1/2008	\$48.69	\$64.63	\$80.57	H H H H H H D Y
Operating Engineer Hazardous Waste Crane w/ Boom & Jib leads 220' or longer					
Level A - Fully encapsulating chemical resistant suit w/ pressure demand, full face piece SCBA or pressure demand supplied air respirator w/ escape SCBA. The highest available level of respiratory, skin and eye	EN-324-HW220-Z1A 10/1/2008	\$51.49	\$68.83	\$86.17	H H H H H H D Y
Level B & C protection. B - Pressure demand, full face SCBA or pressure demand supplied air respirator w/ escape SCBA w/chemical resistant clothing. C - Full face piece, air purifying canister-equipped respirator w/chemical resistant clothing.	EN-324-HW220-Z1B 10/1/2008	\$50.54	\$67.41	\$84.27	H H H H H H D Y
Level D Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HW220-Z1D 10/1/2008	\$49.24	\$65.46	\$81.67	H H H H H H D Y
Level D When Capping Landfill Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HW220-Z1DCL 10/1/2008	\$48.99	\$65.08	\$81.17	H H H H H H D Y

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Name	Description					
Operating Engineer Hazardous Waste Regular Crane, Job Mechanic, Dragline Operator, Boom Truck Operator, Power Shovel Operator and Concrete Pump with boom						
Level D When Capping Landfill Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWRC-Z1DCL	10/1/2008	\$46.39	\$61.18	\$75.97	H H H H H H D Y
Operating Engineer Hazardous Waste Regular Crane, Job Mechanic, Dragline Operator, Boom Truck Operator, Power Shovel Operator and Concrete Pump with Boom Operator						
Level D - Coveralls, safety boots, glasses or chemical splash goggles and hard hats.	EN-324-HWRC-Z1D	10/1/2008	\$47.26	\$62.49	\$77.71	H H H H H H D Y
Operating Engineer Hazardous Waste Regular Crane, Job Mechanic, Dragline Operator, Boom Truck Operator, Power Shovel Operator and Concrete Pump with booms						
Level B & C protection. B - Pressure demand, full face SCBA or pressure demand supplied air respirator w/ escape SCBA w/chemical resistant clothing. C - Full face piece, air purifying canister-equipped respirator w/chemical resistant clothing.	EN-324-HWRC-Z1B	10/1/2008	\$48.56	\$64.44	\$80.31	H H H H H H D Y
Operating Engineer Hazardous Waste Regular Crane, Job Mechanic, Dragline Operator, Boom Truck Operator, Power Shovel Operators and Concrete Pump with booms						
Level A - Fully encapsulating chemical resistant suit w/ pressure demand, full face piece SCBA or pressure demand supplied air respirator w/ escape SCBA. The highest available level of respiratory, skin and eye	EN-324-HWRC-Z1A	10/1/2008	\$49.51	\$65.86	\$82.21	H H H H H H D Y
Operating Engineer Steel Work						
Forklift, 1 Drum Hoist	EN-324-ef	6/2/2009	\$54.06	\$71.85	\$89.63	H H D H H H D D Y
Crane w/ 120' boom or longer	EN-324-SW120	6/2/2009	\$56.51	\$75.52	\$94.53	H H D H H H D D Y
Crane w/ 120' boom or longer w/ Oiler	EN-324-SW120-O	6/2/2009	\$57.51	\$77.02	\$96.53	H H D H H H D D Y
Crane w/ 140' boom or longer	EN-324-SW140	6/2/2009	\$57.69	\$77.29	\$96.89	H H D H H H D D Y
Crane w/ 140' boom or longer W/ Oiler	EN-324-SW140-O	6/2/2009	\$58.69	\$78.79	\$98.89	H H D H H H D D Y
Boom & Jib 220' or longer	EN-324-SW220	6/2/2009	\$57.96	\$77.70	\$97.43	H H D H H H D D Y
Crane w/ 220' boom or longer w/ Oiler	EN-324-SW220-O	6/2/2009	\$58.96	\$79.20	\$99.43	H H D H H H D D Y
Boom & Jib 300' or longer	EN-324-SW300	6/2/2009	\$59.46	\$79.95	\$100.43	H H D H H H D D Y

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Crane w/ 300' boom or longer w/ Oiler	EN-324-SW300-O	6/2/2009	\$60.46	\$81.45	\$102.43	H H D H H H D D Y
Boom & Jib 400' or longer	EN-324-SW400	6/2/2009	\$60.96	\$82.20	\$103.43	H H D H H H D D Y
Crane w/ 400' boom or longer w/ Oiler	EN-324-SW400-O	6/2/2009	\$61.96	\$83.70	\$105.43	H H D H H H D D Y
Crane Operator, Job Mechanic, 3 Drum Hoist &	EN-324-SWCO	6/2/2009	\$56.15	\$74.98	\$93.81	H H D H H H D D Y
Apprentice Rates:						
0-999 hours			\$44.35	\$57.56	\$70.76	
1,000-1,999 hours			\$46.23	\$60.38	\$74.52	
2,000-2,999 hours			\$48.12	\$63.21	\$78.30	
3,000-3,999 hours			\$50.01	\$66.05	\$82.08	
4,000-4,999 hours			\$51.89	\$68.87	\$85.84	
5,000 hours			\$53.77	\$71.68	\$89.60	
Crane w/ Oiler	EN-324-SWCO-O	6/2/2009	\$57.15	\$76.48	\$95.81	H H D H H H D D Y
Compressor or Welder Operator	EN-324-SWCW	6/2/2009	\$48.70	\$63.81	\$78.91	H H D H H H D D Y
Hoisting Operator, 2 Drum Hoist, & Rubber Tire Backhoe	EN-324-SWHO	6/2/2009	\$55.51	\$74.02	\$92.53	H H D H H H D D Y
Oiler	EN-324-SWO	6/2/2009	\$47.29	\$61.69	\$76.09	H H D H H H D D Y
Tower Crane & Derrick where work is 50' or more above first level	EN-324-SWTD50	6/2/2009	\$57.24	\$76.62	\$95.99	H H D H H H D D Y
Tower Crane & Derrick 50' or more w/ Oiler where work station is 50' or more above first level	EN-324-SWTD50-O	6/2/2009	\$58.24	\$78.12	\$97.99	H H D H H H D D Y
Operating Engineer Underground						
Class I Equipment	EN-324A1-UC1	9/26/2008	\$46.04	\$60.63	\$75.22	H H H H H H H D Y
Apprentice Rates:						
0-999 hours			\$36.93	\$47.14	\$57.35	
1,000-1,999 hours			\$38.39	\$49.33	\$60.27	
2,000-2,999 hours			\$39.85	\$51.52	\$63.19	
3,000-3,999 hours			\$41.30	\$53.70	\$66.09	
4,000-4,999 hours			\$42.76	\$55.88	\$69.01	
5,000-5,999 hours			\$44.23	\$58.09	\$71.95	
Class II Equipment	EN-324A1-UC2	9/26/2008	\$41.31	\$53.54	\$65.76	H H H H H H H D Y

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision						
Name	Description											
Class III Equipment	EN-324A1-UC3	9/26/2008	\$40.58	\$52.44	\$64.30	H	H	H	H	H	H	D Y
Class IV Equipment	EN-324A1-UC4	9/26/2008	\$40.01	\$51.59	\$63.16	H	H	H	H	H	H	D Y
Master Mechanic	EN-324A1-UMM	9/26/2008	\$46.29	\$61.01	\$75.72	H	H	H	H	H	H	D Y
Painter												
Painter (8 hours of repaint work performed on Sunday shall be paid time & one half rate)	PT-22-P	5/26/2006	\$38.01	\$50.24	\$62.47	H	H	D	H	D	D	D N
Apprentice Rates:												
First 6 months			\$25.78	\$31.89	\$38.01							
Second 6 months			\$29.45	\$37.40	\$45.35							
Third 6 months			\$30.67	\$39.23	\$47.79							
Fourth 6 months			\$31.89	\$41.06	\$50.23							
Fifth 6 months			\$33.12	\$42.91	\$52.69							
Final 6 months			\$34.34	\$44.73	\$55.13							
Sandblasting & spraywork performed, on highway bridges, overpasses, tanks or steel, OR spraywork & sandblasting done with a scaffold height of 40' above the	PT-22-S	6/1/2006	\$38.81	\$51.44	\$64.07	H	H	D	H	D	D	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	6/16/2009	\$26.00	\$34.90		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	6/16/2009	\$30.50	\$41.65		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	6/16/2009	\$29.25	\$39.77		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	6/16/2009	\$31.00	\$42.40		H	H	H	H	H	H	N
Combo Unit driver & Jetter-Vac Operator	TM247-5	6/22/2009	\$31.00	\$42.40		H	H	H	H	H	H	N
Pipe Bursting & Slip-lining Equipment Operator	TM247-6	6/22/2009	\$32.00	\$43.90		H	H	H	H	H	H	N

Official Request 993
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 County: Statewide

Official Rate Schedule

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Pipefitter						
Pipefitter	PF-636	7/9/2009	\$59.71	\$79.56	\$95.91	H H D H D D D D N
	Apprentice Rates:					
	1st & 2nd periods		\$26.33	\$34.68	\$41.68	
	3rd period		\$28.33	\$37.68	\$45.68	
	4th period		\$29.58	\$39.56	\$48.18	
	5th period		\$30.83	\$41.43	\$50.68	
	6th period		\$32.08	\$43.30	\$53.18	
	7th period		\$33.33	\$45.18	\$55.68	
	8th period		\$34.33	\$46.68	\$57.68	
	9th period		\$35.33	\$48.18	\$59.68	
	10th period		\$36.76	\$50.32	\$62.54	
Plasterer						
Plasterer	BR1P	12/16/2008	\$43.84	\$65.76	\$87.68	H H H H H H D N
	Apprentice Rates:					
	1st 6 months		\$22.41	\$33.62	\$44.82	
	2nd 6 months		\$25.99	\$38.99	\$51.98	
	3rd 6 months		\$29.56	\$44.34	\$59.12	
	4th 6 months		\$33.13	\$49.70	\$66.26	
	5th 6 months		\$36.70	\$55.05	\$73.40	
	6th 6 months		\$40.27	\$60.41	\$80.54	
Plasterer	PL67	6/4/2007	\$42.87	\$58.16	\$73.45	H H H X D D D D N
	Apprentice Rates:					
	1st 6 months		\$24.52	\$30.63	\$36.75	
	2nd 6 months		\$27.58	\$35.23	\$42.87	
	3rd 6 months		\$30.64	\$39.81	\$48.99	
	4th 6 months		\$33.70	\$44.41	\$55.11	
	5th 6 months		\$36.75	\$48.98	\$61.21	
	6th 6 months		\$39.81	\$53.57	\$67.33	

Official Request 993
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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Plumber						
Plumber	PL-98	6/20/2007	\$53.68	\$71.45	\$87.21	H H D H D D D Y
Apprentice Rates:						
	Period 1		\$17.11	\$23.41	\$29.71	
	Period 2		\$17.11	\$23.41	\$29.71	
	Period 3		\$26.78	\$35.13	\$43.47	
	Period 4		\$27.41	\$36.07	\$44.73	
	Period 5		\$28.57	\$37.81	\$47.05	
	Period 6		\$29.72	\$39.53	\$49.35	
	Period 7		\$30.87	\$41.26	\$51.65	
	Period 8		\$32.04	\$43.01	\$53.99	
	Period 9		\$33.19	\$44.74	\$56.29	
	Period 10		\$34.35	\$46.48	\$58.61	
Roofer						
Commercial Roofer	RO-149-WOM	8/18/2008	\$48.46	\$62.29	\$76.62	H H D H H H D D N
Straight time is not to exceed ten (10) hours per day or forty (40) hours per week.						
Apprentice Rates:						
	Apprentice 1		\$32.62	\$39.86	\$48.04	
	Apprentice 2		\$36.80	\$44.80	\$53.30	
	Apprentice 3		\$38.22	\$46.93	\$56.14	
	Apprentice 4		\$39.25	\$48.48	\$58.20	
	Apprentice 5		\$40.47	\$50.30	\$60.64	
	Apprentice 6		\$41.87	\$52.40	\$63.44	
Sheet Metal Worker						
Sheet Metal Worker	SHM-80	3/6/2009	\$57.23	\$75.80	\$94.36	H H D H D D D Y
Apprentice Rates:						
	First Year		\$38.00	\$47.52	\$57.03	
	Second Year		\$39.43	\$49.66	\$59.89	
	Third Year		\$40.88	\$51.84	\$62.79	
	Fourth Year		\$43.78	\$56.18	\$68.59	
	Fifth Year		\$46.69	\$60.56	\$74.41	
Siding & Decking	SHM-80-SD	3/6/2009	\$39.03	\$51.28	\$63.53	H H H H H H D Y

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Classification			Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description						
Sprinkler Fitter							
Sprinkler Fitter		SP 704	7/20/2009	\$57.87	\$77.76	\$97.65	H H D H D D D D Y
	Apprentice Rates:						
	1st Period			\$23.86	\$31.81	\$39.77	
	2nd Period			\$35.99	\$44.94	\$53.89	
	3rd Period			\$37.98	\$47.93	\$57.87	
	4th Period			\$39.97	\$50.91	\$61.85	
	5th Period			\$41.96	\$53.89	\$65.83	
	6th Period			\$43.95	\$56.88	\$69.81	
	7th Period			\$45.94	\$59.87	\$73.79	
	8th Period			\$47.93	\$62.85	\$77.77	
	9th Period			\$49.91	\$65.82	\$81.73	
	10th Period			\$51.90	\$68.81	\$85.71	
Terrazzo							
Terrazzo Finisher		BR1-TRF	11/6/2008	\$40.82	\$51.60	\$62.37	H H D H D D D D Y
	Apprentice Rates:						
	Level 1			\$17.66	\$23.39	\$29.11	
	Level 2			\$18.78	\$25.07	\$31.35	
	Level 3			\$25.06	\$31.73	\$38.39	
	Level 4			\$26.43	\$33.78	\$41.13	
	Level 5			\$27.83	\$35.40	\$42.98	
	Level 6			\$29.33	\$37.30	\$45.26	
	Level 7			\$30.90	\$38.93	\$46.97	
	Level 8			\$32.29	\$40.60	\$48.91	
Terrazzo Worker		BR1-TRW	10/17/2008	\$46.15	\$59.59	\$73.03	H H D H D D D D Y
	Apprentice Rates:						
	Level 1			\$23.33	\$30.54	\$37.74	
	Level 2			\$26.17	\$34.14	\$42.12	
	Level 3			\$31.01	\$39.20	\$47.40	
	Level 4			\$33.56	\$42.67	\$51.78	
	Level 5			\$35.65	\$45.02	\$54.40	
	Level 6			\$39.06	\$50.07	\$61.09	
	Level 7			\$39.67	\$50.85	\$62.03	
	Level 8			\$40.54	\$52.15	\$63.77	

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Classification		Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description					
Tile						
Tile Finisher	BR1-TF	11/6/2008	\$40.38	\$50.94	\$61.49	H H D H D D D D Y
	Apprentice Rates:					
	Level 1		\$17.66	\$23.39	\$29.11	
	Level 2		\$18.78	\$25.07	\$31.35	
	Level 3		\$25.06	\$31.73	\$38.39	
	Level 4		\$26.43	\$33.78	\$41.13	
	Level 5		\$27.83	\$35.40	\$42.98	
	Level 6		\$29.33	\$37.30	\$45.26	
	Level 7		\$30.90	\$38.93	\$46.97	
	Level 8		\$32.29	\$40.60	\$48.91	
Tile Layer	BR1-TL	11/6/2008	\$46.10	\$59.52	\$72.93	H H D H D D D D Y
	Apprentice Rates:					
	Level 1		\$23.33	\$30.54	\$37.74	
	Level 2		\$26.17	\$34.14	\$42.12	
	Level 3		\$31.01	\$39.20	\$47.40	
	Level 4		\$33.56	\$42.67	\$51.78	
	Level 5		\$35.65	\$45.02	\$54.40	
	Level 6		\$39.06	\$50.07	\$61.09	
	Level 7		\$39.67	\$50.85	\$62.03	
	Level 8		\$40.54	\$52.15	\$63.77	
Truck Driver						
on all trucks of 8 cubic yard capacity or less	TM-RB1	9/17/2008	\$35.84	\$36.44		H H H H H H H Y
of all trucks of 8 cubic yard capacity or over	TM-RB1A	9/17/2008	\$35.94	\$36.59		H H H H H H H Y
on euclid type equipment	TM-RB1B	9/17/2008	\$36.09	\$36.81		H H H H H H H Y
Underground Laborer Open Cut, Class I						
Construction Laborer	LAUC-Z1-1	9/18/2008	\$34.39	\$45.22	\$56.05	H H H H H H H D Y
	Apprentice Rates:					
	0-1,000 work hours		\$29.55	\$37.96	\$46.37	
	1,001-2,000 work hours		\$30.52	\$39.41	\$48.31	
	2,001-3,000 work hours		\$31.49	\$40.87	\$50.25	
	3,001-4,000 work hours		\$33.42	\$43.77	\$54.11	

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Classification			Last Updated	Straight Hourly	Time and a Half	Double Time	Overtime Provision
Name	Description						
Underground Laborer 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-Z1-2	9/18/2008		\$34.50	\$45.39	\$56.27	H H H H H H D Y
Apprentice Rates:							
0-1,000 work hours				\$29.64	\$38.09	\$46.55	
1,001-2,000 work hours				\$30.61	\$39.55	\$48.49	
2,001-3,000 work hours				\$31.58	\$41.01	\$50.43	
3,001-4,000 work hours				\$33.53	\$43.93	\$54.33	
Underground Laborer Open Cut, Class III							
Air, gasoline and electric tool operator, vibrator operator, drillers, pump man, tar kettle operator, bracers, rodger, 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-Z1-3	5/5/2009		\$34.55	\$45.46	\$56.37	H H H H H H D Y
Apprentice Rates:							
0-1,000 work hours				\$29.67	\$38.14	\$46.61	
1,001-2,000 work hours				\$30.65	\$39.61	\$48.57	
2,001-3,000 work hours				\$31.63	\$41.08	\$50.53	
3,001-4,000 work hours				\$33.57	\$43.99	\$54.41	
Underground Laborer Open Cut, Class IV							
Trench or excavating grade man.	LAUC-Z1-4	9/18/2008		\$34.63	\$45.58	\$56.53	H H H H H H D Y
Apprentice Rates:							
0-1,000 work hours				\$29.73	\$38.23	\$46.73	
1,001-2,000 work hours				\$30.71	\$39.70	\$48.69	
2,001-3,000 work hours				\$31.69	\$41.17	\$50.65	
3,001-4,000 work hours				\$33.65	\$44.11	\$54.57	
Underground Laborer Open Cut, Class V							
Pipe Layer	LAUC-Z1-5	9/18/2008		\$34.69	\$45.67	\$56.65	H H H H H H D Y
Apprentice Rates:							
0-1,000 work hours				\$29.78	\$38.31	\$46.83	
1,001-2,000 work hours				\$30.76	\$39.77	\$48.79	
2,001-3,000 work hours				\$31.74	\$41.25	\$50.75	
3,001-4,000 work hours				\$33.71	\$44.20	\$54.69	

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Name	Description						
Underground Laborer 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.	LAUC-Z1-6	9/18/2008		\$32.14	\$41.85	\$51.55	H H H H H H D Y

Apprentice Rates:

0-1,000 work hours	\$27.87	\$35.44	\$43.01
1,001-2,000 work hours	\$28.72	\$36.71	\$44.71
2,001-3,000 work hours	\$29.58	\$38.01	\$46.43
3,001-4,000 work hours	\$31.29	\$40.57	\$49.85

Underground Laborer 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-Z1-7	9/18/2008		\$28.76	\$36.78	\$44.79	H H H H H H D Y

Apprentice Rates:

0-1,000 work hours	\$25.33	\$31.63	\$37.93
1,001-2,000 work hours	\$26.02	\$32.67	\$39.31
2,001-3,000 work hours	\$26.70	\$33.69	\$40.67
3,001-4,000 work hours	\$28.07	\$35.74	\$43.41

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SECTION 01000 - GENERAL REQUIREMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Summary of the Work.
 - 2. Work Restrictions.
 - 3. Contract Modification Procedures.
 - 4. Payment Procedures.
 - 5. Project Management and Coordination.
 - 6. Submittal Procedures.
 - 7. References.
 - 8. Temporary Facilities and Controls.
 - 9. Product Requirements.
 - 10. Execution Requirements.
 - 11. Closeout Procedures.

1.3 SUMMARY OF THE WORK

- A. Summary of the Work:
 - 1. Base Bid Work: Provide and install acoustical wall panels in the Board Room of the Troy School District Service Building, Troy, Michigan. Work includes removal and reinstallation of existing mechanical grilles including duct extensions and lighting fixtures including junction box extensions.
- B. Ordinances and Fees:
 - 1. No permits are required.

1.4 WORK RESTRICTIONS

- A. Use of Premises: Limit the use of the premises to work in areas indicated. Do not disturb portions of the site beyond areas in which the Work is indicated. Allow for Owner occupancy.
- B. Use of Existing Building: Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.
 - 1. The Contractor and each Subcontractor will be expected to have visited the site and appraise the existing situation and circumstances of operation.
 - 2. Consult with the Owner as to the availability of space for storage of materials and places of access to the work, etc. Materials and equipment must be placed to avoid interferences with the Owner's operations and shall be moved when so required.

- C. Full Owner Occupancy: The Owner will occupy the site and existing building during entire construction period. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner operations.
- D. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
- E. Damage to Other Work: The Contractor shall repair, replace, or touch-up all finished surfaces in the existing building which may be damaged as a result of his work or operations.
- F. Enforce strict discipline and good order among the Contractor's employees and subcontractor's.
 - 1. Foul or abusive language or demeanor will not be tolerated.
 - 2. Contractor's employees and subcontractor's shall dress in a neat workmanlike manner.
 - 3. Smoking is prohibited anywhere on school property.
 - 4. Possession, sale or consumption of alcoholic beverages on Owner's property is strictly prohibited.
 - 5. The manufacturing, distribution, dispensing, possession or use of unlawful drugs on Owner's property is strictly prohibited and may result in criminal prosecution.

1.5 CONTRACT MODIFICATION PROCEDURES

- A. Bulletins: After award of Contract, the Contractor as required shall quote changes in the work described in Bulletins or otherwise.
- B. Except as otherwise specifically mentioned, the general character of the work covered by these Bulletins shall be the same as originally specified for the project and all incidental items required in connection with the work hereinafter described shall be included even though not specifically mentioned. Where an item is mentioned with no additional specifications given, reference is to be made to the original specifications. All applicable parts of the original specifications shall apply.
- C. Submit detailed itemized quotations for each item of work described, stating fully the amounts for additions and deductions.
- D. Following are sample guidelines for use in preparing detailed cost breakdown for each item in the Bulletin being quoted:
 - 1. Material Cost:
List material giving unit cost
x number of units = cost _____
Add sales tax _____
Add applicable shipping costs _____

Subtotal Material Cost \$ _____

2. Labor Cost - List for each trade the:
Hourly rate x number of hours =
Labor cost _____

Add Labor Fringes as applicable:

F.I.C.A. _____
M.E.S.C. _____
Pension Contribution _____
Vacation Contribution _____
H.E.W. Insurance _____

Subtotal Labor Cost \$ _____

3. Overhead & Profit

- a. Work performed by prime contractor
15% overhead and profit.
- b. On work performed by subcontractor,
The prime contractor is allowed 7-1/2%
handling charge unless otherwise stated in
Contract Documents.
- c. Work performed by subcontractor
15% overhead and profit

Subtotal Overhead & Profit \$ _____

TOTAL COST ITEM \$ _____

- E. Quotations should be received by the Architect within two (2) weeks of issuance of the Bulletin.

1.6 PAYMENT PROCEDURES

- A. Schedule of Values: Submit the Schedule of Values as a preliminary Application for Payment to the Architect at least 7 days before submittal of the initial Application for Payment.

1. Format and Content: Use AIA Documents G702 and G703. Use the Project Manual Table of Contents as a guide to establish the format for the Schedule of Values.
- a. Provide a breakdown of the Contract Sum in sufficient detail to facilitate evaluation of Applications for Payment and progress reports.
- b. Round amounts off to the nearest whole dollar; the total shall equal the Contract Sum.
- c. Margins of Cost: Show line items for indirect costs, and margins on actual costs, only to the extent that such items will be listed individually in Applications for Payment. Each item in the Schedule of Values and Applications for Payment shall be complete including its total cost and proportionate share of general overhead and profit margin.

- 1) At the Contractor's option, temporary facilities and other major cost items that are not direct cost of actual work-in-place may be shown as separate line items in the Schedule of Values or distributed as general overhead expense.
- B. Each Application for Payment shall be consistent with previous applications and payments as certified by the Architect and paid for by the Owner.
 1. The Application for Payment at time of Substantial Completion and the final Application for Payment involve additional requirements.
- C. Payment Application Forms: Use AIA Document G 702 and Continuation Sheets G 703 as the form for Application for Payment.
- D. Application Preparation: Complete every entry on the form, including notarization and execution by person authorized to sign legal documents on behalf of the Contractor. Incomplete applications will be returned without action.
 1. Include amounts of Change Orders and Construction Change Directives issued prior to the last day of the construction period covered by the application.
- E. Transmittal: Submit 3 executed copies of each Application for Payment to the Architect. One copy shall be complete, including waivers of lien and similar attachments, when required.
 1. Transmit each copy with a transmittal form listing attachments, and recording appropriate information related to the application in a manner acceptable to the Architect.
- F. Waivers of Mechanics Lien: With each Application for Payment, submit waivers of mechanics lien from every entity who may lawfully be entitled to file a mechanics lien arising out of the Contract, and related to the Work covered by the previous payment.
 1. Submit partial waivers on each item for amount requested, before deduction for retainage, on each item.
 2. Where an application shows completion of an item, submit final or full waivers.
 3. Owner reserves the right to designate which entities involved in the Work must submit waivers.
- G. Final Payment Application: Actions and submittals that shall precede or coincide with this application include:
 - Completion of Project closeout requirements.
 - Completion of punch list items.
 - Transmittal of required Project construction records to Owner.
 - Proof that taxes, fees and similar obligations have been paid.
 - Removal of temporary facilities and services.
 - Removal of surplus materials, rubbish and similar elements.

1.7 PROJECT MANAGEMENT AND COORDINATION

- A. Coordination: Coordinate construction operations to ensure efficient and orderly installation of each part of the Work.

1.8 SUBMITTAL PROCEDURES

- A. Shop Drawings, Product Data and Samples: Submit Shop Drawings, Product Data and Samples to the Architect for review. Architect will provide to the Contractor the submittal forms that must be filled out and accompany each submittal. Refer to Sample submittal form at the end of this Section.
1. Coordinate the preparation and processing of submittals with the performance of the work. Coordinate each separate submittal with other submittals and related activities such as testing, purchasing, fabrication, delivery and similar activities and require sequential activity.
 2. Allow sufficient time so that the installation will not be delayed as a result of the time required to properly process submittals, including time for resubmittal, if necessary.
 - a. Allow ten (10) working days for the Architect's review of each submittal. Allow a longer time period where processing must be delayed for coordination with subsequent submittals. The Architect will advise the Contractor promptly when it is determined that a submittal being processed must be delayed for coordination.
 - b. No extension of time will be authorized because of the Contractor's failure to transmit submittals to the Architect sufficiently in advance of the work.
 3. The Contractor shall review Shop Drawings, product Data and Samples prior to submission. Notify the Architect in writing of any deviations in the submittals from requirements of the Contract Documents.
 - a. Information required on shop drawings includes, dimensions, identification of specific products and materials which are included in the work, compliance with specified standards and notations of coordination requirements with other work. Provide special notation of dimensions that have been established by field measurement. Highlight, encircle or otherwise indicate deviations from the contract documents on the shop drawings.
 - b. Submit samples for the Architect's visual review of general generic kind, color, pattern, and texture, and for a final check of the coordination of these characteristics with other related elements of the work. Samples are also submitted for quality control comparison of these characteristics between the final sample submittal and the actual work as it is delivered and installed.
 4. Architect's acceptance shall not relieve the Contractor from responsibility for errors in submittals.
 5. Do not use Shop Drawings, Product Data or Samples without an appropriate stamp indicating Architect/Engineer's action taken.
 6. Action Submittals: Architect will review each submittal, make marks to indicate corrections or modifications required, and return it. Architect will stamp each submittal with an action stamp and will mark stamp appropriately to indicate action taken, as follows:
 - a. No Exceptions Taken: Work covered by the submittal may proceed provided it complies with requirements of the Contract Documents. Final payment depends on that compliance.
 - b. Exceptions As Noted: Work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents. Final payment depends on that compliance.

- c. Rejected: Do not proceed with Work covered by the submittal, including purchasing, fabrication, delivery, or other activity. Revise or prepare a new submittal according to the notations; resubmit without delay. Repeat if necessary to obtain different action mark.
 - 1) Do not use, or allow others to use, submittals marked "Rejected" at the Project Site or elsewhere where Work is in progress.
- 7. Action Not Required: Submittals not required by the Contract Documents will not be reviewed and will be returned with notation "Action Not Required."
- 8. Submit the following:
 - a. Shop Drawings: One reproducible sepia print and three blue or black line prints.
 - b. Product Data: Submit four (4) copies.
 - c. Samples: Submit three (3) sets of samples.
- 9. Fire Performance Affidavits: Submit in triplicate, notarized affidavits for the products required as specified in the various technical sections of the specifications. Affidavit shall be signed and notarized, and in the following format:

AFFIDAVIT

This is to certify that, (Name of Product) which was or will be furnished to (Company making Application of Product) for (Job or Project Name and Address) is the same in all respects in content, and specifications for mixing and/or application as the specimen tested by (Name of Laboratory) or their project or test number (Test Number) dated (Date of Test).

Flame Spread _____
Fuel Contributed _____
Smoke Developed _____

1.9 REFERENCES

A. Specifications & Drawings To be Cooperative:

- 1. These Specifications and accompanying Drawings are intended to describe and provide for finished work. They are intended to be cooperative and what is called for by either shall be as binding as if called for by both. The Drawings accompanying the Specifications are intended to show the general design and arrangement of the installation and in some cases are more or less diagrammatic. They are not intended to serve as shop drawings nor are they to be scaled for dimensions or exact locations of equipment.
- 2. It is the intent of the Drawings and Specifications to provide for a complete and satisfactory installation. The Contractor shall furnish Labor and/or materials neither shown nor specified but obviously necessary for the completion of the proper functioning of the systems.

B. Specification Format and Content Explanation:

- 1. Specification Format: These Specifications are organized into Divisions and Sections based on the Construction Specifications Institute's 16-Division format and MASTER FORMAT numbering system.

2. Words, which have well known technical or construction industry meanings are used in the Contract Documents in accordance with such, recognized meanings.
3. Abbreviated Language: In the interest of brevity, the Contract Documents frequently omit modifying words such as "all" and "any" and articles such as "the" and "an" but the fact that a modifier or an article is absent from a statement and appears in another is not intended to affect the interpretation of either statement.
4. Trades: Use of titles such as "carpentry" is not intended to imply that certain construction activities must be performed by accredited or unionized individuals of a corresponding generic name, such as "carpenter." It also does not imply that requirements specified apply exclusively to tradespersons of the corresponding generic name.

C. Definitions:

1. Indicated: Refers to graphic representations, notes or schedules on the Drawings, or other Paragraphs or Schedules in Specifications, and similar requirements in Contract Documents. Where terms such as "shown", "noted", "scheduled", and "specified" are used, it is to help locate the reference; no limitation on location is intended except as specifically noted.
2. Directed: Terms such as "directed", "requested", "authorized", "selected", "approved", "required", and "permitted" mean "directed by the Architect", "requested by the Architect", and similar phrases. However, no implied meaning shall be interpreted to extend the Architect's responsibility into the Contractor's area of construction supervision.
3. Approve: The term "approved", where used in conjunction with the Architect's action on the contractor's applications and requests, is limited to the duties and responsibilities of the Architect as stated in General and Supplementary Conditions. Such approval shall not release the Contractor from responsibility to fulfill Contract requirements unless otherwise provided in the Contract Documents.
4. Regulation: The term "Regulations" includes laws, ordinances, statutes, and lawful orders issued by authorities having jurisdiction, as well as rules, conventions, and agreements within the construction industry that control performance of the Work, whether lawfully imposed by authorities having jurisdiction or not.
5. Furnish: The term "furnish" is used to mean "supply and deliver to the Project site, ready for unloading, unpacking, assembly, installation, and similar operations."
6. Install: The term "install" is used to describe operations at project site including the actual "unloading, unpacking, assembly, erection, placing, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations."
7. Provide: The term "provide" means "to furnish and install, complete and ready for the intended use."
8. Installer: An "Installer" is the Contractor engaged by the Contractor, either as an employee, subcontractor, or sub-subcontractor for performance of a particular construction activity, including installation, erection, application, and similar operations. Installers are required to be experienced in the operations they are engaged to perform.
9. Project Site: Is the space available to the Contractor for performance of construction activities, either exclusively or in conjunction with others performing other construction activities as part of the Project. The extent of the Project Site is shown on the Drawings and may or may not be identical with the description of the land upon which the Project is to be built.
10. Testing Laboratories: A "testing laboratory" is an independent entity engaged to perform specific inspections or tests, either at the Project Site or elsewhere, and to report on and, if required, to interpret results of those inspections or tests.

- D. Standards of Industry: Reference to standards, codes, and recommendations shall be the latest edition of such publications adopted and published at date of bids. Work shall be installed according to the following industry standards when applicable:

1. UL - Underwriter's Laboratories, Inc.
2. ASA - American Standard Association
3. ASHRAE - American Society of Heating, Refrigeration and Air Conditioning Engineers
4. ASME - American Society of Mechanical Engineers
5. ASTM - American Society for Testing and Materials
6. Any local state or national plumbing and building codes having jurisdiction.

1.10 TEMPORARY FACILITIES AND CONTROLS

- A. Temporary Water, Power and Lighting:

1. The Owner will furnish at no cost to the Contractor water and electricity for construction purposes. All such water and electricity shall be obtained from existing outlets designated by the Owner's Representative. If the Contractor's requirements exceed the characteristics at the designated outlets, the Contractor shall provide and pay for additional facilities as he may require.

a. Water shall not be taken from Fire Protection System.

2. Provide temporary distribution systems, transformers, pumps, outlets, lighting fixtures and other accessories as may require for construction operations. At completion, or when so directed by the Owner's Representative, remove all temporary facilities.
3. All connections and distribution systems shall be furnished and installed by the Contractor at his own expense.

- B. Compressed Air: Each trade shall provide compressed air as required for the successful performance of their work.

- C. Temporary Toilets:

1. The Owner's will allow the use of designated toilet facilities for use by all workers employed on the project. Keep the facilities clean and in sanitary condition at all times.

- D. Temporary Parking: Park in designated spaces only.

1. Do not park vehicles on sidewalks or lawn areas surrounding the building.

- E. Project Identification and Temporary Signs:

1. No advertising, contractor's sign or project sign will be permitted on the site.

- F. Waste Material Removal and Cleaning: Remove and properly dispose of, on a daily basis all waste materials and debris resulting from the Work. The Project and adjacent grounds shall be kept free of accumulations of rubbish.

1. Construction debris shall not be stored overnight, nor shall it be left in common corridors. Keep debris confined to work areas only until such time as it is being removed.

2. No burning of waste materials will be permitted on the premises.
3. Do not use the Owners dumpsters.

1.11 EXECUTION REQUIREMENT

- A. Establish benchmarks and markers to set lines and levels as needed to properly locate each element of the Work. Calculate and measure required dimensions within indicated or recognized tolerances. Do not scale Drawings to determine dimensions.

1.12 CLOSEOUT PROCEDURES

- A. At time of substantial completion, submit record drawings, maintenance information and warranties.
- B. Record Drawings: Maintain a clean, undamaged set of blue line prints of Contract Drawings. Mark the set to show the actual installation where the installation varies substantially with the Work as originally shown. Mark record sets with red erasable pencil.
- C. Record Shop Drawings and Product Data: Maintain one copy of shop drawings and product data. Mark these documents to show significant variations in actual Work performed.
- D. Maintenance Information: Organize operating and maintenance data into suitable sets of manageable size. Bind properly indexed data in 3-ring loose-leaf binders with pocket folders for folded sheet information. Include the following types of information:

Copies of warranties.
Cleaning procedures.
- E. Guarantee: Furnish the Owner with a written guarantee to remedy any defects due to faulty materials or workmanship which appear in the work within one year from date of final acceptance by the Owner.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 01000

SECTION 09841 - ACOUSTICAL WALL PANELS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes back-mounted acoustical wall panels.

1.3 SUBMITTALS

- A. Product Data: For each type of panel edge, core material, and mounting indicated.
- B. Shop Drawings: For acoustical wall panels. Include mounting devices and details; details at panel joints, and corners; and details at wall intersections. Include elevations showing panel sizes and direction of fabric weave and pattern matching. Include details of panel cutouts for mechanical grilles and electrical boxes for light fixtures. Indicate panel edge and core materials.
- C. Samples for Verification: For the following products. Prepare Samples from same material to be used for the Work.
 - 1. Sample Panels: No larger than 12 by 12 inches. Show joints and mounting methods.
- D. Maintenance Data: For acoustical wall panels. Include fabric manufacturers' written cleaning and stain-removal recommendations.

1.4 QUALITY ASSURANCE

- A. Fire-Test Characteristics: Provide acoustical wall panels with the following surface-burning characteristics as determined by testing products per ASTM E 84 by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Flame-Spread Index: 25 or less.
 - 2. Smoke-Developed Index: 450 or less.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Comply with fabric and acoustical wall panel manufacturers' written instructions for minimum and maximum temperature and humidity requirements for shipment, storage, and handling.
- B. Deliver materials and panels in unopened bundles and store in a temperature-controlled dry place with adequate air circulation.
- C. Protect panel edges from crushing and impact.

1.6 PROJECT CONDITIONS

- A. Field Measurements: Verify locations of acoustical wall panels by field measurements before fabrication and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 CORE MATERIALS

- A. Glass-Fiber Board: ASTM C 612, Type IA or Types IA and IB; density as specified, unfaced, dimensionally stable, molded rigid board, with maximum flame-spread and smoke-developed indexes of 25 and 50, respectively.

2.2 BACK-MOUNTED, EDGE-REINFORCED ACOUSTICAL WALL PANELS WITH GLASS-FIBER BOARD CORE

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - 1. Hardside Tuned Panels; Kinetics
 - 2. Reflect Tuned Panels; Sound Concepts
 - 3. High Impact Acoustical Tuned Wall Panels; PCI/Quiet Concepts, Inc.; 248-542-2570
- B. Panel Construction: Manufacturer's standard panel construction consisting of fabric facing material laminated to front face, edges, and back border of dimensionally stable, rigid glass-fiber board core faced with perforated pressed wood fiber board; with fiberglass core edges chemically hardened to reinforce panel perimeter against warpage and damage. Resin harden areas of core for attachment of mounting devices.
 - 1. Nominal Fiberglass Core Density: 3 lb/cu. ft.
 - 2. Core-Face Layer: Perforated pressed wood fiber board 1/4 inch thick with 1/4 inch holes drilled 1 inch o.c.
 - 3. Facing Material: Fabric from same dye lot; color and pattern as indicated by manufacturer's designations.
 - a. Manufacturer: Guilford of Maine
 - b. Product Line/Pattern: FR701
 - c. Style Number: 2100
 - d. Color: No. 750 "Cement Mix."
 - e. Fiber Content: 100 percent recycled polyester.
 - 4. Nominal Fiberglass Core Thickness and Overall System NRC: 2 inches and not less than NRC 0.90, for Type A mounting per ASTM E 795.
 - 5. Panel Thickness: 2-1/4 inches.
 - 6. Panel Width: As indicated on Drawings
 - 7. Panel Height: As indicated on Drawings.
 - 8. Panel Edge Detail: Square.
 - 9. Corner Detail: Square.
 - 10. Fabricate panels to align with edges of reveals in gypsum board substrate.

2.3 FABRICATION

- A. Fabric Facing: Stretched straight, on the grain, tight, square, and free from puckers, ripples, wrinkles, sags, blisters, seams, adhesive, or other foreign matter. Applied with visible surfaces fully covered with tailored corners.
- B. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:
 - 1. Thickness.
 - 2. Edge straightness.
 - 3. Overall length and width.
 - 4. Squareness from corner to corner.
- C. Back-Mounting Devices: Concealed on backside of panel, recommended to support weight of panel, and as follows:
 - 1. Impaling clips with adhesive.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install acoustical wall panels in locations indicated with vertical surfaces and edges plumb, top edges level and in alignment with other panels, faces flush, and scribed to fit adjoining work accurately at borders and at penetrations.
 - 1. Cut units to be at least 50 percent of unit width, with facing material extended over cut edge to match uncut edge. Scribe acoustical wall panels to fit adjacent work. Butt joints tightly.
 - 2. Install acoustical wall panels with edges aligned with edges of reveals in gypsum board wall substrate.
- B. Comply with acoustical wall panel manufacturer's written instructions for installation of panels using type of concealed mounting accessories indicated. Anchor panels securely to supporting substrate.
 - 1. Anchor acoustical panels to wall with impaling clips with supplemental adhesive.
- C. Match and level fabric pattern and grain among adjacent panels.
- D. Installation Tolerances: As follows:
 - 1. Variation from Level and Plumb: Plus or minus 1/16 inch.
 - 2. Variation of Panel Joints from Hairline: Not more than 1/32 inch wide.

3.2 CLEANING

- A. Clip loose threads; remove pills and extraneous materials.
- B. Clean panels with fabric facing, on completion of installation, to remove dust and other foreign materials according to manufacturer's written instructions.

3.3 PROTECTION

- A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer, to ensure that acoustical wall panels are without damage or deterioration at time of Substantial Completion.
- B. Replace acoustical wall panels that cannot be cleaned and repaired, in a manner approved by Architect, before time of Substantial Completion.

END OF SECTION 09841



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ADDENDUM NO. 1

Issue Date: July 31, 2009

Project Name: Troy School District
Service Building
Board Room Acoustical Wall Panels
Troy, Michigan

ids Project No.: 09209-1000

This Addendum is issued prior to receipt of bids in order to modify or interpret the Bidding Documents by additions, deletions, clarifications or corrections. Bidders are to indicate receipt of this Addendum in the space provided on the Bid Form.

NEW OR REVISED DOCUMENTS ISSUED WITH THIS ADDENDUM

Project Manual Documents: None

Drawings: None

Sketches: None

PROJECT MANUAL DOCUMENTS DELETED OR REVISED BUT NOT ISSUED

Item No. 1 Section 00200

A. Reference 9.A., revise to read as follows:

Bids Documents Available: July 27, 2009.
Pre-Bid Meeting: August 4, 2009, 10:00 am.
Deadline for RFI Submissions: August 6, 2009, 12:00 pm.
Deadline for RFI Responses and Addenda: August 6, 2009, 4:00 pm.
Bids Due: August 11, 2009, 3:00 pm.
Bid Opening: August 11, 2009, 3:01 pm.
Bid Award: August 18, 2009 Board of Education Meeting.

Item No. 2 Section 09841

A. Reference 2.3.C.1, revise to read as follows:

1. Impaling clips with adhesive or zee clips as recommended by manufacturer.

Addendum No. 1
ids Project No. 09209-1000
July 31, 2009
Page 2

DRAWINGS DELETED OR REVISED BUT NOT ISSUED

Item No. 1 Refer to Drawing A2.1

At all references to Acoustical Wall Panels revise to read "Tuned
Acoustical Wall Panels".

cc: File

ec:

f:\2009\09209\1000\specs\add001.doc

**Troy School District
Acoustical Wall Panels
Bid 9626**

Base Bid

**Addendum
Acknowledgement**

PCI Industries

\$ 10,905.00

n/a

Integrated Interiors

\$ 17,950.00
Voluntary Alternate

Yes

K & V Construction: No Response

M.L. Schoenherr Construction: No Response

Gardiner C. Vose, Inc.: No Response