

Hand Carry

Contract Routing Form

ROUTING: Hand Carry

printed on: 02/04/2015

Contract between: Robinson Brothers Environmental Inc  
and Dept. or Division: Engineering Division  
Name/Phone Number:

Project: Hazardous Waste Removal - First Station #1

Contract No.: 7454  
Enactment No.: RES-15-00104  
Dollar Amount: 77,006.49

File No.: 36946  
Enactment Date: 02/04/2015

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	2/4/15	2/4/15
Director of Civil Rights	2/4/2015	2/4/2015
Risk Manager	2-4-15	2/4/15 PER
Finance Director	2-4-15 KSV	0205-2015
City Attorney	2-5-15	2-5-15 MPM
Mayor		

Please return signed Contracts to the City Clerk's Office  
Room 103, City-County Building for filing.

Original + 2 Copies

Contract # 7454  
entered & approved in  
Munis KSV

02/04/2015 11:32:37 enjap - Randy Wiesner 267-8679

Hand Carry

Dis Rights: OK / (N/A) / Problem - Hold  
Prev Wage: (AA) / Agency / No  
Contract Value: 77006.49  
AA Plan: Approved  
Amendment / Addendum #  
Type: POS / Dvlp / Sbdv / Gov't /  
Grant / PW / Goal / Loan / Agrmt



# City of Madison

City of Madison  
Madison, WI 53703  
www.cityofmadison.com

## Master

**File Number: 36946**

<b>File ID:</b> 36946	<b>File Type:</b> Resolution	<b>Status:</b> Passed
<b>Version:</b> 1	<b>Reference:</b>	<b>Controlling Body:</b> BOARD OF PUBLIC WORKS
<b>Lead Referral:</b>	<b>Cost:</b>	<b>File Created Date :</b> 01/23/2015
<b>File Name:</b> Awarding Public Works Contract No. 7454, Hazardous Waste Removal - Fire Station 1, and rescinding Leg. No. 36695, adopted Jan. 20, 2015.		<b>Final Action:</b> 02/03/2015
<b>Title:</b> Awarding Public Works Contract No. 7454, Hazardous Waste Removal - Fire Station 1, and rescinding Leg. No. 36695, adopted Jan. 20, 2015.		

### Notes:

### Code Sections:

**CC Agenda Date:** 02/03/2015

### Indexes:

**Agenda Number:** 67.

**Sponsors:** Paul E. Skidmore and Chris Schmidt

**Effective Date:** 02/04/2015

**Attachments:** Contract 7454.pdf

**Enactment Number:** RES-15-00104

**Author:** Rob Phillips, City Engineer

**Hearing Date:**

**Entered by:** mhacker@cityofmadison.com

**Published Date:**

### Approval History

Version	Date	Approver	Action
1	01/23/2015	Craig Franklin	Approve

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Engineering Division	01/23/2015	RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER				
<b>Action Text:</b>		This Resolution was RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER					
<b>Notes:</b>							

1	COMMON COUNCIL	02/03/2015	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass
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**Action Text:** A motion was made by Schmidt, seconded by DeMarb, to Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25. The motion passed by voice vote/other.

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### Text of Legislative File 36946

#### Fiscal Note

Budget authority is available in the Acct. Nos. listed on the attached.

#### Title

Awarding Public Works Contract No. 7454, Hazardous Waste Removal - Fire Station 1, and rescinding Leg. No. 36695, adopted Jan. 20, 2015.

#### Body

BE IT RESOLVED, that the following low bids for miscellaneous improvements be accepted and that the Mayor and City Clerk be and are hereby authorized and directed to enter into a contract with the low bidders contained herein, subject to the Contractor's compliance with Section 39.02 of the Madison General Ordinances concerning compliance with the Affirmative Action provisions **and subject to the Contractor's compliance with Section 33.07 of the Madison General Ordinances regarding Best Value Contracting:**

BE IT FURTHER RESOLVED, that the funds be encumbered to cover the cost of the projects contained herein.

See attached document (Contract No. 7454) for itemization of bids.

PROJECT \_\_\_\_\_ CONTRACTOR \_\_\_\_\_ AMOUNT OF BID

CONTRACT NO. 7454  
HAZARDOUS WASTE REMOVAL – FIRE STATION 1

ROBINSON BROTHERS ENVIRONMENTAL, INC.

\$77,006.49

10387-30-140: 54215 (92645)  
Contingency 8%±

\$77,006.49  
6,163.51

GRAND TOTAL

\$83,170.00

**Wisconsin Office of the Commissioner of Insurance  
Licensed Producer Search**

Wednesday, January 28, 2015

Pg 2

BARTON, DENNIS M  
NEW BERLIN WI

License Status: Active  
License No: 125401  
NPN No: 283633  
Effective Date: 01-01-1982  
Expiration Date: 12-31-2016  
License Type: Resident Intermediary Indv

**Lines of Authority**

Line of Authority	Residency	Effective Date	Status
Casualty	Resident	01-01-1982	Active
Fidelity	Resident	01-01-1982	Active
Property	Resident	01-01-1982	Active

**Adjudicated Administrative Actions**

<b>Legal File:</b> 72-C7044	<b>Adjudicated Date:</b> 06-14-1972
Actions: Forfeiture: \$500 Allegations: payment as counselor and agent Note: If this administrative action was settled with a stipulation, the Respondent denied the allegations but both parties agreed to the action taken except as noted in the stipulation. See the actual stipulation or order by viewing it at: <a href="https://ociaccess.oci.wi.gov/OrderInfo/OrdInfo.oci">https://ociaccess.oci.wi.gov/OrderInfo/OrdInfo.oci</a>	

**Appointments and Terminations**

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
ACUITY, A Mutual Insurance Company	CAS/Inactive	05-10-2005	10-14-2011	Canceled
	PROP/Inactive	05-10-2005	10-14-2011	Canceled
American Casualty Company of Reading, Pennsylvania	CAS/Inactive	08-27-1993	11-17-2004	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-27-1993	11-17-2004	Vol. Surrender per Agent Rqst
American Insurance Company, The	CAS/Active	06-08-1987		
	PROP/Active	06-08-1987		
Amwest Surety Insurance Company	CAS/Inactive	10-11-1994	10-25-1996	Inadequate Production
Automobile Insurance Company of Hartford, Connecticut, The	CAS/Inactive	06-15-1993	12-05-2009	Canceled
	PROP/Inactive	06-15-1993	12-05-2009	Canceled

Berkley Insurance Company	CAS/Active	07-19-2013		
Berkley Regional Insurance Company	CAS/Active	03-05-2008		
	PROP/Active	03-05-2008		
Capitol Indemnity Corporation	CAS/Active	08-29-1994		
	PROP/Active	08-29-1994		
Carolina Casualty Insurance Company	CAS/Active	11-13-1996		
	PROP/Active	11-13-1996		
Charter Oak Fire Insurance Company, The	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
Continental Casualty Company	CAS/Active	08-27-1993		
	PROP/Active	08-27-1993		
Economy Fire & Casualty Company	CAS/Inactive	12-09-1998	11-03-2003	Inadequate Production
	PROP/Inactive	12-09-1998	11-03-2003	Inadequate Production
Farmington Casualty Company	CAS/Inactive	06-15-1993	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-15-1993	11-20-2000	Vol. Surrender per Agent Rqst
Fidelity and Deposit Company of Maryland	CAS/Active	09-01-2004		
	PROP/Active	09-01-2004		
Fidelity and Guaranty Insurance Company	CAS/Inactive	03-02-1992	12-05-2009	Canceled
	PROP/Inactive	03-02-1992	12-05-2009	Canceled
Guarantee Company of North America USA, The	CAS/Active	09-09-2010		
Gulf Insurance Company	CAS/Inactive	09-14-1993	06-30-2005	Inadequate Production
	PROP/Inactive	09-14-1993	06-30-2005	Inadequate Production
Hanover Insurance Company, The	CAS/Active	10-12-2004		
	PROP/Active	10-12-2004		
Liberty Mutual Fire Insurance Company	CAS/Active	05-20-2009		
Liberty Mutual Insurance Company	CAS/Active	05-20-2009		
LM Insurance Corporation	CAS/Active	05-20-2009		
Massachusetts Bay Insurance Company	CAS/Active	10-12-2004		
	PROP/Active	10-12-2004		

Commercial Insurance Company	PROP/Inactive	06-15-1993	11-22-2000	Agent Rqst Vol. Surrender per Agent Rqst
Travelers Home and Marine Insurance Company, The	CAS/Active	12-11-2007		
	PROP/Active	12-11-2007		
Travelers Indemnity Company of America, The	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
Travelers Indemnity Company of Connecticut, The	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
Travelers Indemnity Company, The	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
Travelers Property Casualty Company of America	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
United Fire & Casualty Company	CAS/Inactive	11-01-1996	08-08-2014	Canceled
	PROP/Inactive	11-01-1996	08-08-2014	Canceled
United States Fidelity and Guaranty Company	CAS/Inactive	03-17-1986	12-05-2009	Canceled
	PROP/Inactive	03-17-1986	12-05-2009	Canceled
USF&G Insurance Company of Wisconsin	CAS/Inactive	05-24-1995	01-01-2001	Company Merger
	PROP/Inactive	05-24-1995	01-01-2001	Company Merger
Valley Forge Insurance Company	CAS/Inactive	08-27-1993	07-11-2003	Inadequate Production
	PROP/Inactive	08-27-1993	07-11-2003	Inadequate Production
West Bend Mutual Insurance Company	CAS/Inactive	01-12-2001	12-27-2011	Canceled
	PROP/Inactive	01-12-2001	12-27-2011	Canceled
Western Surety Company	CAS/Active	10-28-2010		
	CAS/Inactive	03-19-2002	09-21-2010	Vol. Surrender per Agent Rqst
XL Specialty Insurance Company	CAS/Inactive	01-05-1993	11-03-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-05-1993	11-03-2006	Vol. Surrender per Agent Rqst

**DISCLAIMER:** The Office of the Commissioner of Insurance does not endorse any specific agent or insurance agency. You are encouraged to contact the Agent Licensing Section at if you have any concerns with any of the agents or agencies listed.

National Fire Insurance Company of Hartford	CAS/Inactive	08-27-1993	11-17-2004	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-27-1993	11-17-2004	Vol. Surrender per Agent Rqst
Old Republic Insurance Company	CAS/Active	12-18-1990		
	PROP/Active	12-18-1990		
Old Republic Surety Company	CAS/Active	12-18-1990		
	PROP/Active	12-18-1990		
Phoenix Insurance Company, The	CAS/Active	01-13-2006		
	PROP/Active	01-13-2006		
Seaboard Surety Company	CAS/Inactive	12-09-1998	02-17-2009	Canceled
	PROP/Inactive	12-09-1998	02-17-2009	Canceled
St. Paul Fire and Marine Insurance Company	CAS/Active	12-09-1998		
	PROP/Active	12-09-1998		
St. Paul Guardian Insurance Company	CAS/Inactive	12-09-1998	12-05-2009	Canceled
	PROP/Inactive	12-09-1998	12-05-2009	Canceled
St. Paul Mercury Insurance Company	CAS/Inactive	12-09-1998	12-05-2009	Canceled
	PROP/Inactive	12-09-1998	12-05-2009	Canceled
Standard Fire Insurance Company, The	CAS/Inactive	06-15-1993	12-05-2009	Canceled
	PROP/Inactive	06-15-1993	12-05-2009	Canceled
Transcontinental Insurance Company	CAS/Inactive	08-27-1993	12-11-2002	Inadequate Production
	PROP/Inactive	08-27-1993	12-11-2002	Inadequate Production
Transportation Insurance Company	CAS/Inactive	08-27-1993	12-06-2002	Inadequate Production
	PROP/Inactive	08-27-1993	12-06-2002	Inadequate Production
Travelers Casualty and Surety Company	CAS/Active	06-15-1993		
	PROP/Active	06-15-1993		
Travelers Casualty and Surety Company of America	CAS/Active	06-15-1993		
	PROP/Active	06-15-1993		
Travelers Casualty Company of Connecticut	CAS/Inactive	06-15-1993	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-15-1993	11-20-2000	Vol. Surrender per Agent Rqst
Travelers Casualty Insurance Company of America	CAS/Inactive	06-15-1993	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-15-1993	11-22-2000	Vol. Surrender per Agent Rqst
Travelers	CAS/Inactive	06-15-1993	11-22-2000	Vol. Surrender per



**FILE COPY**

\$77,006.49  
ORIGINAL

BID OF ROBINSON BROTHERS ENVIRONMENTAL, INC.

**2015**

**PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS**

**FOR**

**HAZARDOUS WASTE REMOVAL – FIRE STATION 1**

**CONTRACT NO. 7454**

**PROJECT NO. 53W1434**

**MUNIS NO. 10387**

**IN**

**MADISON, DANE COUNTY, WISCONSIN**

AWARDED BY THE COMMON COUNCIL  
MADISON, WISCONSIN ON FEBRUARY 3, 2015

CITY ENGINEERING DIVISION  
1600 EMIL STREET  
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1  
CONTRACT NO. 7454**

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This Proposal, and Agreement have  
been prepared by:

**CITY ENGINEERING DIVISION  
CITY OF MADISON  
MADISON, DANE COUNTY, WISCONSIN**



Robert F. Phillips, P.E., City Engineer

RFP:rw

## SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

### REQUEST FOR BID FOR PUBLIC WORKS CONSTRUCTION CITY OF MADISON, WISCONSIN

#### A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	HAZARDOUS WASTE REMOVAL - FIRE STATION 1
CONTRACT NO.:	7454
BID BOND	5%
PREQUALIFICATION APPLICATION DUE (1:00 P.M)	DECEMBER 26, 2014
BID SUBMISSION (1:00 P.M.)	JANUARY 7, 2015
BID OPEN (1:30 P.M.)	JANUARY 7, 2015
PUBLISHED IN WSJ	12/12/14, 12/19/14 & 12/26/14

PREQUALIFICATION APPLICATION: Forms are available at the same location or on our website, [www.cityofmadison.com/business/pw/forms.cfm](http://www.cityofmadison.com/business/pw/forms.cfm). If not currently prequalified in the categories listed in Section A, an amendment to your Prequalification will need to be submitted prior to the same due date. Postmark is not applicable.

**Pre-bid conference:** A pre-bid conference will be conducted at Fire Station 1 located at 316 W. Dayton St. at 10:00am, Monday December 22, 2014. Contractors must ring the service bell at the Dayton St secured entrance door to gain access to the building. There is limited street parking. The Overature Parking Ramp is across the street from the project site.

This will be the only opportunity for bidding contractors to walk through the site. An alternate date may be selected in the event of inclement weather as determined solely at the discretion of the City Project Manager.

A representative from A&A Environmental, Inc will be on hand to conduct a building walk through, discuss the plans, specifications and expectations of the contract. The City Project Manager will also be on hand to answer general contract questions.

**Questions and clarifications:** Any questions or requests for clarifications regarding plans and specifications shall be submitted directly to the City's asbestos consultant A&A Environmental, Inc. See the contract contact information at the end of Section D-Special Provisions. All questions shall be sent via email, reference Fire Station 1 Asbestos Removal in the subject line.

The deadline for receiving questions and clarifications shall be 12:00pm (noon) on Friday December 26, 2014. No additional questions or requests for clarifications will be received after this deadline.

If needed the City of Madison and A&A Environmental shall publish one (1) all inclusive addendum no later than 1:00pm on Tuesday, December 30, 2014 to respond to any questions or clarifications.

**BIDS TO BE SUBMITTED** by hand to 1600 EMIL ST., MADISON, WI 53713 or online at [www.bidexpress.com](http://www.bidexpress.com).

THE BID OPENING is at 1600 EMIL ST., MADISON, WI 53713.

#### STANDARD SPECIFICATIONS

The City of Madison's Standard Specifications for Public Works Construction - 2014 Edition, as supplemented and amended from time to time, forms a part of these contract documents as if attached hereto.

These standard specifications are available on the City of Madison Public Works website, [www.cityofmadison.com/Business/PW/specs.cfm](http://www.cityofmadison.com/Business/PW/specs.cfm).

The Contractor shall review these Specifications prior to preparation of proposals for the work to be done under this contract, with specific attention to Article 102, "BIDDING REQUIREMENTS AND CONDITIONS" and Article 103, "AWARD AND EXECUTION OF THE CONTRACT." For the convenience of the bidder, below are highlights of three subsections of the specifications.

#### SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

In accordance with Wisconsin State Statutes 66.0901 (2) and (3), all bidders must submit to the Board of Public Works proof of responsibility on forms furnished by the City. The City requires that all bidders be qualified on a biennial basis.

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

In accordance with Section 39.02(9)(a)l. of the General Ordinances, all bidders shall submit in writing to the Affirmative Action Division Manager of the City of Madison, a Certificate of Compliance or an Affirmative Action Plan at the same time or prior to the submission of the proof of responsibility forms.

The bidder shall be disqualified if the bidder fails to or refuses to, prior to opening of the bid, submit a Certificate of compliance, Affirmative Action Plan or Affirmative Action Data Update, as applicable, as defined by Section 39.02 of the General Ordinances (entitled Affirmative Action) and as required by Section 102.11 of the Standard Specifications.

#### SECTION 102.4 PROPOSAL

No bid will be accepted that does not contain an adequate or reasonable price for each and every item named in the Schedule of Unit Prices.

A lump sum bid for the work in accordance with the plans and specifications is required. The lump sum bid must be the same as the total amounts bid for the various items and it shall be inserted in the space provided.

All papers bound with or attached to the proposal form are considered a part thereof and must not be detached or altered when the proposal is submitted. The plans, specifications and other documents designated in the proposal form will be considered a part of the proposal whether attached or not.

A proposal submitted by an individual shall be signed by the bidder or by a duly authorized agent. A proposal submitted by a partnership shall be signed by a member/partner or by a duly authorized agent thereof. A proposal submitted by a corporation shall be signed by an authorized officer or duly authorized registered agent of such corporation, and the proposal shall show the name of the State under the laws of which such corporation was chartered. The required signatures shall in all cases appear in the space provided thereof on the proposal.

Each proposal shall be placed, together with the proposal guaranty, in a sealed envelope, so marked as to indicate name of project, the contract number or option to which it applies, and the name and address of the Contractor or submitted electronically through Bid Express ([www.bidexpress.com](http://www.bidexpress.com)). Proposals will be accepted at the location, the time and the date designated in the advertisement. Proposals received after the time and date designated will be returned to the bidder unopened.

The Bidder shall execute the Disclosure of Ownership form. REFER TO SECTION F.

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

All bids, sealed or electronic, must be accompanied with a Bid Bond equal to at least 5% of the bid or a Certificate of Annual/Biennial Bid Bond or certified check, payable to the City Treasurer. Bid deposit of the successful bidders shall be returned within forty-eight (48) hours following execution of the contract and bond as required.

PREVAILING WAGE RATES

Prevailing Wage Rates may be required and are attached in Section J of the contract. See Special Provisions to determine applicability.

**Bidders for this Contract(s) must be Pre-Qualified for at least one of the following type(s) of construction denoted by an**

Building Demolition

- 101  Asbestos Removal  
 120  House Mover

- 110  Building Demolition

Street, Utility and Site Construction

- 201  Asphalt Paving  
 205  Blasting  
 210  Boring/Pipe Jacking  
 215  Concrete Paving  
 220  Con. Sidewalk/Curb & Gutter/Misc. Flat Work  
 221  Concrete Bases and Other Concrete Work  
 222  Concrete Removal  
 225  Dredging  
 230  Fencing  
 235  Fiber Optic Cable/Conduit Installation  
 240  Grading and Earthwork  
 241  Horizontal Saw Cutting of Sidewalk  
 242  Infrared Seamless Patching  
 245  Landscaping, Maintenance  
 250  Landscaping, Site and Street  
 251  Parking Ramp Maintenance  
 252  Pavement Marking  
 255  Pavement Sealcoating and Crack Sealing  
 260  Petroleum Above/Below Ground Storage Tank Removal/Installation  
 262  Playground Installer  
 265  Retaining Walls, Precast Modular Units

- 270  Retaining Walls, Reinforced Concrete  
 275  Sanitary, Storm Sewer and Water Main Construction  
 276  Sawcutting  
 280  Sewer Lateral Drain Cleaning/Internal TV Insp.  
 285  Sewer Lining  
 290  Sewer Pipe Bursting  
 295  Soil Borings  
 300  Soil Nailing  
 305  Storm & Sanitary Sewer Laterals & Water Svc.  
 310  Street Construction  
 315  Street Lighting  
 318  Tennis Court Resurfacing  
 320  Traffic Signals  
 325  Traffic Signing & Marking  
 332  Tree pruning/removal  
 333  Tree, pesticide treatment of  
 335  Trucking  
 340  Utility Transmission Lines including Natural Gas, Electrical & Communications  
 399  Other \_\_\_\_\_

Bridge Construction

- 501  Bridge Construction and/or Repair

Building Construction

- 401  Floor Covering (including carpet, ceramic tile installation, rubber, VCT)  
 402  Building Automation Systems  
 403  Concrete  
 404  Doors and Windows  
 405  Electrical - Power, Lighting & Communications  
 410  Elevator - Lifts  
 412  Fire Suppression  
 413  Furnishings - Furniture and Window Treatments  
 415  General Building Construction, Equal or Less than \$250,000  
 420  General Building Construction, \$250,000 to \$1,500,000  
 425  General Building Construction, Over \$1,500,000  
 428  Glass and/or Glazing  
 429  Hazardous Material Removal  
 430  Heating, Ventilating and Air Conditioning (HVAC)  
 433  Insulation - Thermal  
 435  Masonry/Tuck pointing

- 437  Metals  
 440  Painting and Wallcovering  
 445  Plumbing  
 450  Pump Repair  
 455  Pump Systems  
 460  Roofing and Moisture Protection  
 464  Tower Crane Operator  
 461  Solar Photovoltaic/Hot Water Systems  
 465  Soil/Groundwater Remediation  
 466  Warning Sirens  
 470  Water Supply Elevated Tanks  
 475  Water Supply Wells  
 480  Wood, Plastics & Composites - Structural & Architectural  
 499  Other \_\_\_\_\_

State of Wisconsin Certifications

- 1  Class 5 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for quarries, open pits and road cuts.  
 2  Class 6 Blaster - Blasting Operations and Activities 2500 feet and closer to inhabited buildings for trenches, site excavations, basements, underwater demolition, underground excavations, or structures 15 feet or less in height.  
 3  Class 7 Blaster - Blasting Operations and Activities for structures greater than 15' in height, bridges, towers, and any of the objects or purposes listed as "Class 5 Blaster or Class 6 Blaster".  
 4  Petroleum Above/Below Ground Storage Tank Removal and Installation (Attach copies of State Certifications.)  
 5  Hazardous Material Removal (Contractor to be certified for asbestos and lead abatement per the Wisconsin Department of Health Services, Asbestos and Lead Section (A&LS).) See the following link for application: [www.dhs.wisconsin.gov/Asbestos/Cert](http://www.dhs.wisconsin.gov/Asbestos/Cert). State of Wisconsin Performance of Asbestos Abatement Certificate must be attached.  
 6  Certification number as a Certified Arborist or Certified Tree Worker as administered by the International Society of Arboriculture  
 7  Pesticide application (Certification for Commercial Applicator For Hire with the certification in the category of turf and landscape (3.0) and possess a current license issued by the DATCP)  
 8  State of Wisconsin Master Plumbers License.

## SECTION B: PROPOSAL

Please refer to the  
Bid Express Website  
at <https://bidexpress.com>  
look up contract number  
and go to  
Section B: Proposal Page

You can access all City of Madison bid solicitations for FREE at [www.bidexpress.com](http://www.bidexpress.com)

Click on the "Register for Free" button and follow the instructions to register your company and yourself. You will be asked for a payment subscription preference, since you may wish to bid online someday. Simply choose the method to pay on a 'per bid' basis. This requires no payment until / unless you actually bid online. You can also choose the monthly subscription plan at this time. You will, however, be asked to provide payment information. Remember, you can change your preference at anytime. You will then be able to complete your free registration and have full access to the site. Your free access does not require completion of the 'Digital ID' process, so you will have instant access for viewing and downloading. To be prepared in case you ever do wish to bid online, you may wish to establish your digital ID also, since you cannot bid without a Digital ID.

If you have any problems with the free registration process, you can call the bidexpress help team, toll free at 1-888-352-2439 (option 1, option1).

**SECTION C: SMALL BUSINESS ENTERPRISE**

**Instructions to Bidders  
City of Madison  
SBE Program Information**

SBE NOT APPLICABLE



## SECTION D: SPECIAL PROVISIONS

### HAZARDOUS WASTE REMOVAL - FIRE STATION 1 CONTRACT NO. 7454

It is the intent of these Special Provisions to set forth the final contractual intent as to the matter involved and shall prevail over the Standard Specifications and plans whenever in conflict therewith. In order that comparisons between the Special Provisions can be readily made, the numbering system for the Special Provisions is equivalent to that of the Specifications.

Whenever in these Specifications the term "Standard Specifications" appears, it shall be taken to refer to the City of Madison Standard Specifications for Public Works Construction and Supplements thereto.

#### **SECTION 102.10: PREVAILING WAGE**

For this project, payment of prevailing wages (white sheet) shall be required unless the box indicating prevailing wages are not required is checked below.

Prevailing wages shall not be required when this box is checked.

If prevailing wages (white sheets) are required, the wages and benefits paid on the contract shall not be less than those specified in the Prevailing Wage Determination included with these contract documents for the following types of work:

- Building or Heavy Construction
- Sewer, Water, or Tunnel Construction
- Local Street or Miscellaneous Paving Construction
- Residential or Agricultural Construction

When multiple boxes are checked, worker's wages may vary according to the type and area of work performed. It is the responsibility of the Contractor to determine and apply the appropriate wage rate for the specific work assigned.

#### **SECTION 102.12: BEST VALUE CONTRACTING**

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$55,500 for a single trade contract; or equal to or greater than \$271,500 for a multi-trade contract pursuant to MGO 33.07(7).

#### **ARTICLE 103 AWARD AND EXECUTION OF THE CONTRACT**

The awarded Contractor shall completely execute the signing of all contract documents and submit them to City Engineering prior to **12:00pm on January 19, 2015**. No exceptions or extensions to the above date will be permitted.

#### **ARTICLE 104: SCOPE OF WORK**

This contract is for the removal of hazardous materials prior to the selective building demolition of the existing Fire Station 1 located at 316 W. Dayton Street. Work shall include all items as identified in the asbestos inspection report provided as Exhibit B in these Special Provisions.

The scope of work includes the furnishing of all labor, materials, equipment, tools, and other services necessary to complete the work in accordance with the intent of this contract. The Contractor shall use properly functioning equipment capable of performing the tasks required. The Contractor shall furnish workers who perform quality work and who are experienced and knowledgeable in the work proposed.

In addition the Contractor shall include all costs of permits, disposal, equipment rental, and any other costs whatsoever which may be required for the removal of all hazardous materials in accordance with the intent of this contract. The Contractor **SHALL NOT** include the cost of the required WDNR 4500-113,

A&A Environmental shall pull this permit in advance of the contract beginning and shall add all required contractor information as needed prior to starting work.

#### **SECTION 104.1            LANDS FOR WORK**

All lands for work shall be located at 316 W. Dayton Street, Madison Fire Department, Fire Station 1. The fire station was constructed in 1967 and consists of a main ground floor with a full apparatus bay, a basement mechanical room, second floor, living area and third floor dormitory area. The exterior project limits shall be any sufficient space as required for the safe and efficient removal of hazardous materials as identified within this contract document. In no case shall the contractor be allowed to cross over any of the property lines or encroach on public sidewalks.

The contractor may use the front driveway (W. Dayton St.) between the sidewalk and overhead garage doors and the vehicle apparatus bay during the execution of this contract. The contractor shall be responsible for ensuring any cleanup of hazardous materials from the apparatus bay at the conclusion of this contract.

The Madison Fire Department will do any required snow removal during the execution of this contract.

#### **SECTION 104.2            INTENT AND COORDINATION OF CONTRACT DOCUMENTS**

The contract documents are complimentary of each other and consist of all of the following:

- The City Standard Specification, 2014 Edition
- These Special Provisions
- All Addendums to the bidding documents
- Any supplemental instructions, details, or specifications issued during the course of the contract.
- Exhibit A – 5 pages of 11x17 plans, at the end of the special provisions
- Exhibit B – Limited Asbestos and Lead Survey Report dated August 26, 2014 by A&A Environmental, Inc. , at the end of the special provisions
- Exhibit C – Wisconsin Department of Administration Specification 02 82 13 Asbestos Abatement (02 82 13.docx), at the end of the special provisions, as linked from the WI-DOA website

#### **SECTION 105.3:            AUTHORITY AND DUTIES OF THE INSPECTOR**

The Contractor shall coordinate directly with any and all regulatory agencies having jurisdiction over the licensing, removal, permitting, inspection, and disposal of hazardous materials as described in these documents.

The City of Madison has retained A&A Environmental, Inc. to provide project oversight for this contract as follows:

- Verification of complete removal of all suspect materials. A&A Environmental has representative authority for the City of Madison to require additional removal as needed if additional bid item materials are located during the execution of this contract.
  - In the event new suspect materials are noted during the execution of this contract and those new items cannot be associated with existing bid items a contract change order shall be negotiated between the Contractor and the City of Madison.
- On site verification of final quantities removed by bid item. This shall include measurements of SQUARE FOOT (SF) and LINEAL FOOT (LF) quantities, and physical count of EACH quantities, prior to disposal.
- The Contractor shall provide copies of all disposal documents to A&A Environmental for verification.
- The Contractor shall provide copies of all air quality test reports to A&A Environmental for verification.

The City of Madison and A&A Environmental staff has determined five (5) site visits by A&A Environmental will be required during the execution of this contract as follows:

- Pre-construction meeting, contractor shall have all apparatus and equipment on site assembled and available for inspection.
- Verification of complete removal of suspected items including final quantity verifications prior to shutting down the boiler system.

- Site clearance inspection prior to allowing maintenance staff in to shut down the boiler system and conducting winterization.
- Verification of complete removal of suspected items associated with the boiler system.
- Verify the site has been fully restored and is safe for the demolition contract to proceed.

If the Contractor requires more than the five (5) allotted visits the City of Madison shall recover the fees of the extra visits from the Contractor by contract change order. The rate of each site visit is \$350.00 (three hundred fifty dollars and no cents).

**SECTION 105.5: INSPECTION OF WORK**

The Contractor shall coordinate directly with any and all regulatory agencies having jurisdiction over the licensing, removal, permitting, inspection, and disposal of hazardous materials as described in these documents.

The Contractor shall coordinate directly with A&A Environmental for all contractual inspections associated with the execution of this contract. Inspections and approvals received from A&A Environmental does not preclude the contractor from obtaining required regulatory inspections.

There are no City of Madison - Building Inspection Department inspections required for the execution of this contract.

**SECTION 105.6: CONTRACTORS RESPONSIBILITY FOR WORK**

The Contractor shall not take advantage of any discrepancy in the plans or specifications. This shall include but not be limited to apparent errors, omissions, and interpretations involving codes, regulations, and standards.

Any Contractor who identifies such a discrepancy during the bidding process shall notify the City Project Manager of the discrepancy prior to the "Questions and Clarifications Deadline" as noted in Section A of the bid documents.

Any Contractor who identifies such a discrepancy during the abatement process shall immediately notify the City Project Manager in writing and request clarification on how to proceed.

If a conflict exists within the Specifications or exists within the Drawings, the Contractor shall perform the work that most closely fits the City's intent of this contract.

**SECTION 105.12: COOPERATION BY THE CONTRACTOR**

The Contractor shall provide the City Project Manager and A&A Environmental with a three (3) working day notice when it becomes necessary to shut down the boiler system for removal of bid items related to the boilers.

The Contractor shall proceed with preparing the work site for City of Madison Facility Maintenance personnel to enter the site and perform required boiler shutdown operations and other winterization maintenance as required for the loss of heat. Work site shall be inspected and cleared by A&A Environmental prior to allowing maintenance personnel to enter the site.

The Contractor shall continue with removal operations after maintenance personnel have completed the winterization. It is anticipated that this will take less than two (2) days and the contractor shall include this time in his/her contract schedule.

The Contractor shall be responsible for all temporary facilities including heat, toilet facilities, etc as needed after the winterization process has been completed. Temporary facilities shall include any fuel or service required to operate or maintain the temporary facility. Bid Item 90014 is for all Temporary Facilities required by the Contractor.

### **SECTION 105.13: ORDER OF COMPLETION**

The Contractor shall execute this contract as follows:

- Removal all of bid items except 90004, 90005, 90006, and 90009.
- Provide a minimum of a three (3) working day notice to the City Project Manager and A&A Environmental.
- Prepare site for maintenance personnel to enter and perform winterization services. This includes any testing and approval by A&A Environmental.
- Complete removal of bid items 90004, 90005, 90006, 90009, and contract finalization after winterization by maintenance.

### **SECTION 107.2 PROTECTION AND RESTORATION OF PROPERTY**

The Contractor shall follow these general guidelines while performing work associated with this contract:

- Internal Demolition shall be allowed as needed to access/verify/remove all suspect materials as identified in this contract. Internal demolition does not need to be repaired in any manner, demolition materials do not need to be removed from the site provided no suspect materials are attached to the building materials in any way. Demolition materials shall be consolidated and neatly piled by material type.
  - Demolition of structural components, masonry walls, precast plank, etc is not authorized without prior approval from the City Project Manager.
  - Demolition of hollow metal frames in masonry walls and in not authorized.
- Internal Utilities shall not be cut or removed. Suspect materials shall be completely removed from all internal utility system materials and all internal utility systems shall remain intact and fully functioning during the performance of this contract. This shall include but not be limited to all plumbing, heating, cooling and electrical components.
  - Exceptions to this shall be the removal of electrical boxes. The asbestos contractor shall be responsible for hiring a certified electrician to isolate circuits and render them inoperative allowing the boxes to be removed.
  - City of Madison maintenance personnel shall shut down the boiler system and winterize the facility as needed and defined within these special Provisions.
- External Demolition of building components shall not be allowed.
  - The Contractor shall remove all exterior caulk and backer rod as indicated in the plans and specifications.
  - The Contractor shall not be required to install new backer rod and caulk under the execution of this contract.
  - Exterior door jambs shall remain intact and be used to support required 2x4 (minimum) framing and 5/8" OSB when necessary. See Bid Item 90015 and details in plan set for more information.

The Contractor shall be responsible for protecting all mature trees including limbs and branches during the removal of any external materials. This shall include the use of any equipment required to assist in proper removal of materials.

### **SECTION 108.2 PERMITS AND LICENSING**

The Contractor shall be required to provide copies of all State of Wisconsin licensing information with his/her bid packet. Licensing shall clearly show identification information, and expiration dates. All licenses shall be valid from bid opening through the completion of this contract.

There are no City of Madison permits or inspections required for the asbestos removal portion of this project. The Contractor shall be required for any permits that may be required for the removal/inspection of electrical equipment.

A&A Environmental will pull the required Wisconsin DNR permits prior to the Contractors start work date. The contractor's name and company information shall be added to the permit after the contract has been fully executed by the City of Madison.

**SECTION 109.7      TIME OF COMPLETION**

Work shall begin only after the contract is completely executed and the start work letter is received. It is anticipated that the start work letter shall be issued on or about February 16, 2015.

The contract shall be **COMPLETED NO LATER THAN March 13, 2015**. This shall include all hazardous materials removed, final inspections completed and final clearance of the contract by A&A Environmental. No additional time shall be granted for the execution of this contract as the Fire Station 1 Remodeling contract begins immediately upon completion of the Hazardous Waste Removal Contract.

**NON STANDARD BID ITEMS**

**NOTES:**

1. All non standard bid items associated with the removal of suspected materials are listed as they appear in the asbestos report.
2. The proposal page shows the total quantities of distinct like items.
3. All bid items include the general area clean up of all suspect materials and demolition materials associated with the removal of the bid item.
4. Bid items shall include any costs associated with proper disposal of the bid item.

**BID ITEM 90001 – Remove Insulation Fittings from Piping**

**DESCRIPTION:** BID ITEM 90001 shall include the complete removal of all suspected insulation fittings from the piping throughout the project site. Per the Asbestos Inspection Report an estimated 1,637 fittings may be located within the building. The Contractor shall be responsible for all demolition required to completely access heating and plumbing lines suspected of having such fittings. The Contractor shall remove all fittings from the pipe as needed. Piping shall remain intact and fully functional. The contractor does not need to repair any walls or ceilings demolished for the completion of this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90001 shall be measured as EACH fitting completely removed from the suspected areas as identified.

**BASIS OF PAYMENT:** BID ITEM 90001 shall be paid at the contract unit price for each fitting removed.

**BID ITEM 90002 – Remove Doors**

**DESCRIPTION:** BID ITEM 90002 shall include the complete removal of all suspected doors with the following guidelines:

- Doors may be removed with any hardware intact.
- Frames in stud walls may be removed with doors, demolition repair will not be required.
- Hollow metal frames in masonry walls shall remain, undamaged.

**METHOD OF MEASUREMENT:** BID ITEM 90002 shall be measured as EACH door, frame completely removed as indicated by the plans. Unit Price shall include any associated demolition per the description above.

**BASIS OF PAYMENT:** BID ITEM 90002 shall be paid at the contract unit price for the each door removed.

**BID ITEM 90003 – Remove Door/Window Frame Caulking/Glazing**

**DESCRIPTION:** BID ITEM 90003 shall include the complete removal of all suspected caulking and glazing on interior door and window frames.

All doors shall be assumed to be 4 ft x 7 ft frames as identified in the report. Window frames and combination window and door frames shall be sizes as noted in the report.

No additional interior demolition is required for the complete removal of this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90003 shall be measured as LF (lineal feet) of caulking/glazing removed. The total estimated quantity for this bid item as identified on the proposal page is for the removal of caulking/glazing from both sides of the door and/or window frame.

**BASIS OF PAYMENT:** BID ITEM 90003 shall be paid at the contract unit price for the total lineal footage removed.

**BID ITEM 90004 – Remove Insulation on Boiler Breaching**

**DESCRIPTION:** BID ITEM 90004 shall include the complete removal of all suspected insulation on the Boiler Breaching.

The Contractor shall be responsible for coordinating the shutdown of the boiler system as outlined in Sections 105.12 and 105.13 above.

**METHOD OF MEASUREMENT:** BID ITEM 90004 shall be measured as SF (square feet) of Boiler Breaching completely removed from the suspected areas as identified.

**BASIS OF PAYMENT:** BID ITEM 90004 shall be paid at the contract unit price for the total square footage removed.

**BID ITEM 90005 – Remove All Fuel Chimney**

**DESCRIPTION:** BID ITEM 90005 shall include the complete removal of the 3'-0" outside diameter All Fuel Chimney. The chimney runs from the basement level through the roof.

The Contractor shall be responsible for coordinating the shutdown of the boiler system as outlined in Sections 105.12 and 105.13 above.

**METHOD OF MEASUREMENT:** BID ITEM 90005 shall be measured as LF (lineal feet) of All Fuel Chimney completely removed from the suspected area as identified. Unit Price shall include any associated demolition per the description above.

**BASIS OF PAYMENT:** BID ITEM 90005 shall be paid at the contract unit price for the total square footage removed.

**BID ITEM 90006 – Remove Boiler Refractory**

**DESCRIPTION:** BID ITEM 90006 shall include the complete removal of all suspected materials associated with the boiler refractory, including but not limited to the refractory, gaskets, cement, etc.

The Contractor shall be responsible for coordinating the shutdown of the boiler system as outlined in Sections 105.12 and 105.13 above.

**METHOD OF MEASUREMENT:** BID ITEM 90006 shall be measured as SF (square feet) of boiler refractory completely removed from the suspected areas as identified.

**BASIS OF PAYMENT:** BID ITEM 90006 shall be paid at the contract unit price for the total square footage removed.

**BID ITEM 90007 – Remove Exterior Caulking**

**DESCRIPTION:** BID ITEM 90007 shall include the complete removal of all suspected exterior caulking as described on page 5 of the Limited Asbestos and Lead Survey Report. The Contractor shall be responsible for complete removal of all suspected caulk including but not limited to other caulks covering suspected caulk, cleaning caulk off of other building components and removing any backer material in joints that may have suspect caulk on it.

No additional demolition is authorized during the removal of suspected exterior caulking. The Contractor shall not provide or install any new backer rod or caulking once suspected materials have been removed.

**METHOD OF MEASUREMENT:** BID ITEM 90007 shall be measured as LF (Lineal feet) of exterior caulking completely removed from the suspected areas as identified. Unit Price shall include any required equipment rentals such as lifts or scaffolding as needed for the removal of this bid item.

**BASIS OF PAYMENT:** BID ITEM 90007 shall be paid at the contract unit price for total lineal footage removed.

**BID ITEM 90008 – Remove Precast Caulking**

**DESCRIPTION:** BID ITEM 90008 shall include the complete removal of all suspected precast caulking. The Contractor shall be responsible for complete removal of all suspected caulk including but not limited to other caulks covering suspected caulk, cleaning caulk off of other building components and removing any backer material in joints that may have suspect caulk on it.

No additional demolition is authorized during the removal of suspected precast caulking. The Contractor shall not provide or install any new backer rod or caulking once suspected materials have been removed.

**METHOD OF MEASUREMENT:** BID ITEM 90008 shall be measured as LF (Lineal feet) of exterior caulking completely removed from the suspected areas as identified. Unit Price shall include any required equipment rentals such as lifts or scaffolding as needed for the removal of this bid item.

**BASIS OF PAYMENT:** BID ITEM 90008 shall be paid at the contract unit price for total lineal footage removed.

**BID ITEM 90009 – Remove Electrical Boxes**

**DESCRIPTION:** BID ITEM 90009 shall include the complete removal of all suspected electrical boxes as identified on the plans. The Contractor shall be responsible for any demolition required to completely remove the electrical boxes such as wire and conduit removal.

The Contractor shall be responsible for coordinating the shutdown of the boiler system as outlined in Sections 105.12 and 105.13 above as part of this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90009 shall be measured as EACH suspected electrical box removed. Unit Price shall include any costs associated with providing an electrical contractor to isolate, disconnect, and render safe any circuits associated with the electrical box being removed and any associated demolition required during for this bid item.

**BASIS OF PAYMENT:** BID ITEM 90009 shall be paid at the contract unit price for EACH electrical box removed.

**BID ITEM 90010 – Remove Floor Tile and Mastic**

**DESCRIPTION:** BID ITEM 90010 shall include the complete removal of all suspected floor tile and mastic as indicated on the plans. The Contractor shall be responsible for all demolition required to completely access the floor tiles and mastic; including removal of base board. The contractor does not need to repair any walls or floors demolished for the completion of this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90010 shall be measured as SF (square feet) of tile and mastic completely removed from the suspected areas as identified. Unit Price shall include any associated demolition per the description above.

**BASIS OF PAYMENT:** BID ITEM 90010 shall be paid at the contract unit price for the total square footage removed.

**BID ITEM 90011 – Remove Transite Board**

**DESCRIPTION:** BID ITEM 90011 shall include the complete removal of a transite board located in switch gear as noted on the plans. At the Contractors option the entire switch gear box may be removed as it is abandoned equipment. No additional demolition is authorized for this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90011 shall be measured as EACH transite board completely removed from the suspected areas as identified. Unit Price shall include any costs associated with providing an electrical contractor to isolate, disconnect, and render safe any circuits associated with this bid item.

**BASIS OF PAYMENT:** BID ITEM 90011 shall be paid at the contract unit price for the total quantity removed.

**BID ITEM 90012 – Remove Caulk on Duct**

**DESCRIPTION:** BID ITEM 90012 shall include the complete removal of all suspected caulking associated with a duct penetration through a wall as noted on the plans. No additional demolition is authorized for this bid item, the duct shall be clean of all suspect materials but may not be removed.

**METHOD OF MEASUREMENT:** BID ITEM 90012 shall be measured as LF (lineal feet) caulking completely removed from the suspected areas as identified.

**BASIS OF PAYMENT:** BID ITEM 90012 shall be paid at the contract unit price for all of the caulk removed.

**BID ITEM 90013 – Cleanup of Identified Spaces**

**DESCRIPTION:** BID ITEM 90013 shall include cleanup of ceiling spaces and chase spaces having miscellaneous suspected materials not associated with other bid items.

**METHOD OF MEASUREMENT:** BID ITEM 90013 shall be measured as SF (square feet) of surface area completely cleaned of suspected materials as identified.

**BASIS OF PAYMENT:** BID ITEM 90013 shall be paid at the contract unit price for the total square footage cleaned.

**BID ITEM 90014 – Temporary Facilities**

**DESCRIPTION:** BID ITEM 90014 shall include any temporary facilities required by the contractor during the execution of this contract. Temporary Facilities shall include but not be limited to toilet facilities, heat, water, and electricity as may be required particularly after building winterization has been completed by maintenance personnel.

**METHOD OF MEASUREMENT:** BID ITEM 90014 shall be measured as LUMP SUM of any temporary services needed by the contractor including associated costs such as maintenance, fuel, etc.

**BASIS OF PAYMENT:** BID ITEM 90014 shall be paid at the contract unit price.



**BID ITEM 90015 – Temporary Enclosure of Exterior Openings**

**DESCRIPTION:** BID ITEM 90015 shall include all labor, equipment, and materials required to provide temporary door enclosures at all locations where exterior doors are being removed under bid item 90002.

Temporary enclosures shall be constructed of 2x4 (minimum) framing with 5/8" OSB sheathing on the exterior side. Fastening sheathing to door frames and walls shall not be permitted, no additional caulking or weather proofing will be required. The contractor shall be responsible for repairing any damage to door frames or walls associated with the execution of this bid item.

**METHOD OF MEASUREMENT:** BID ITEM 90015 shall be measured as EACH for any temporary enclosure required at exterior openings where doors are removed.

**BASIS OF PAYMENT:** BID ITEM 90015 shall be paid at the contract unit price for EACH enclosure installed.

**POINTS OF CONTACT**

The Project Manager for City Engineering, Facility Management for this contract is:

Randy Wiesner  
PH: (608) 267-8679  
Email: [rswiesner@cityofmadison.com](mailto:rswiesner@cityofmadison.com)  
210 Martin Luther King Jr Blvd  
Room 115  
Madison, WI 53703

The Asbestos Removal Consultant for City Engineering, Facility Management for this contract is:

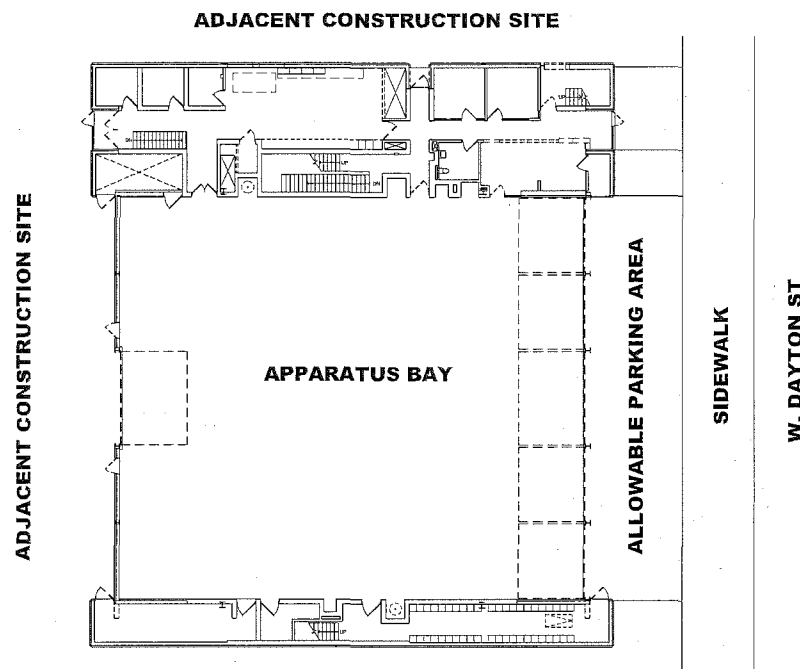
Mr. Kim Sopha  
A & A Environmental, Inc.  
Email: [BLSOPHA@aol.com](mailto:BLSOPHA@aol.com)

\* Reference Fire Station 1 Asbestos Removal in the subject line of emails



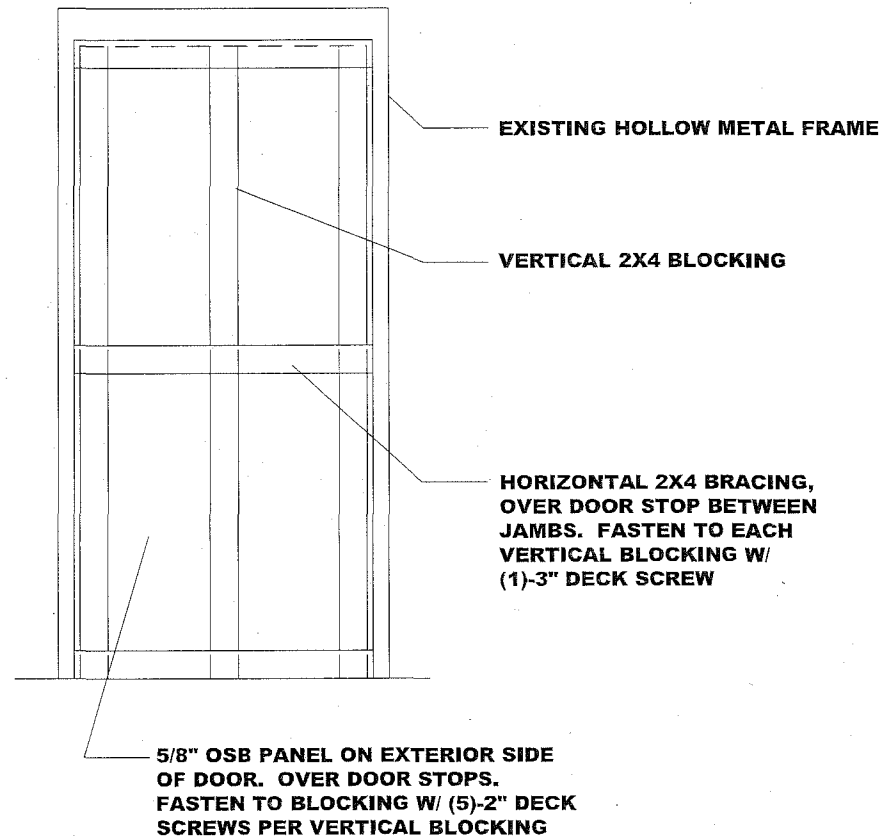
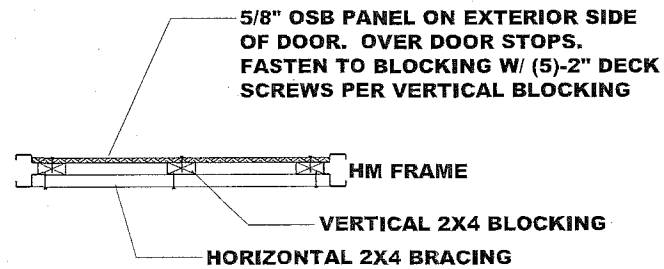
**GENERAL NOTES:**

- A. CONTRACTOR MAY USE THE APPARATUS BAY AND PARKING AREA AS DESIGNATED ON THE SITE PLAN AT LEFT.
- B. THE MADISON FIRE DEPARTMENT SHALL BE RESPONSIBLE FOR SNOW REMOVAL AS NEEDED.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TREE PROTECTION AS NEEDED.
- D. THE CONTRACTOR SHALL BE AWARE THAT ADJACENT CONSTRUCTION PROJECT ON TWO SIDES OF THE EXISTING STRUCTURE.
- E. THE 'PLAN SOUTH' SIDE OF THE EXISTING STRUCTURE IS ADJACENT TO THE PROPERTY LINE.

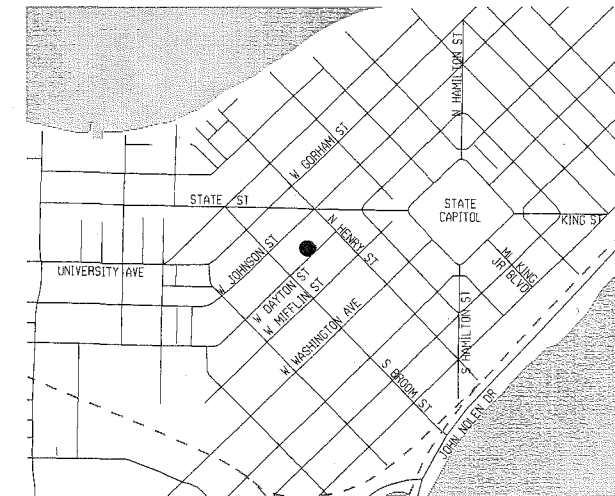


**GENERAL SITE PLAN**

TRUE NORTH      PLAN NORTH



**TEMPORARY ENCLOSURE DETAIL**



**PROJECT LOCATION**

● FIRE STATION #1  
316 W. DAYTON ST

**SHEET INDEX**

- 1 SITE PLAN, ENCLOSURE DETAIL
- 2 BASEMENT REMOVAL PLAN
- 3 FIRST FLOOR REMOVAL PLAN
- 4 SECOND FLOOR REMOVAL PLAN
- 5 THIRD FLOOR REMOVAL PLAN

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
PROJECT NUMBER 53W1434  
CONTRACT NUMBER 7454

316 W. DAYTON STREET  
MADISON WISCONSIN

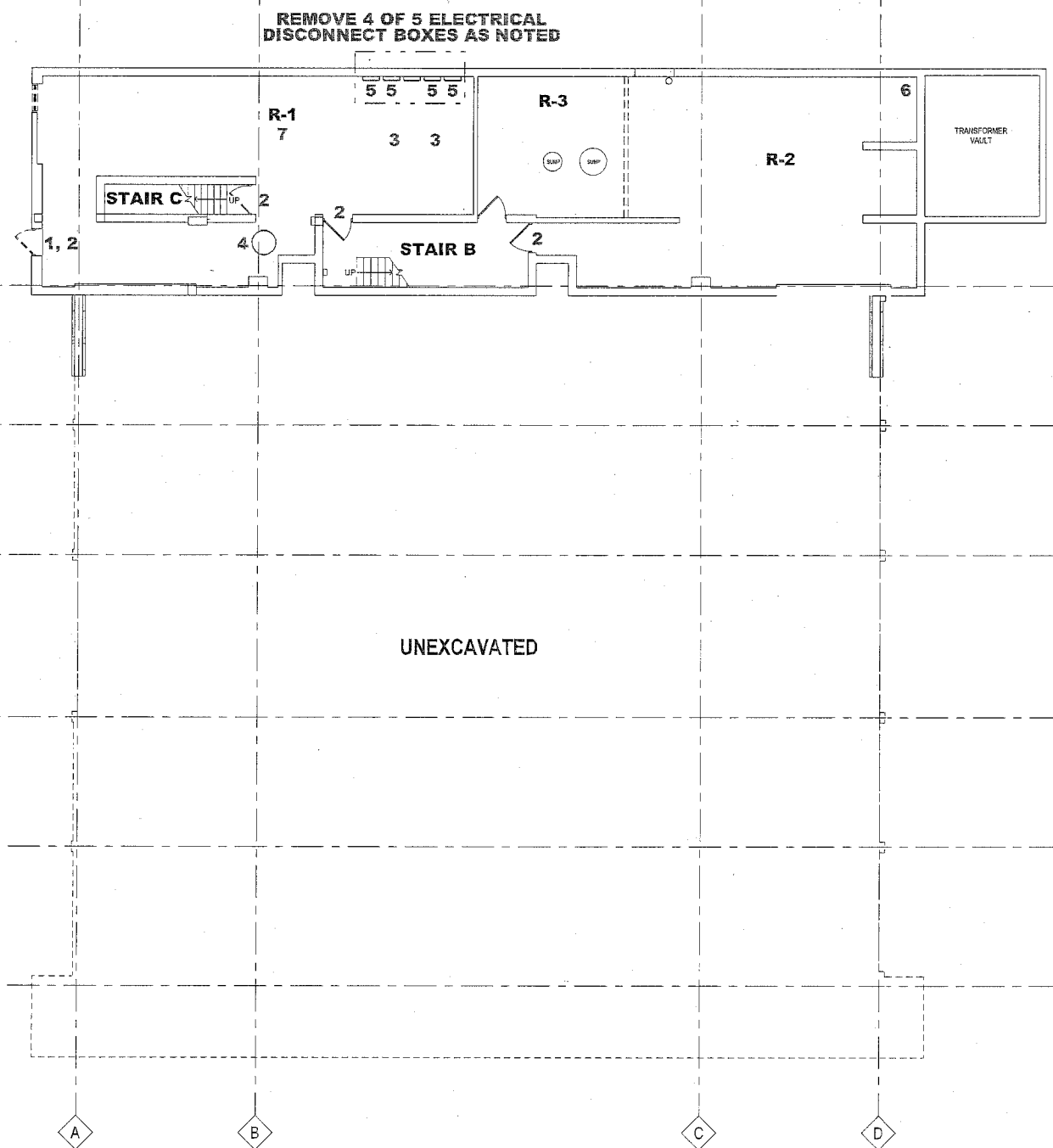
SHEET

**1**



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454  
 316 W. DAYTON STREET  
 MADISON WISCONSIN

SHEET  
**2**



**GENERAL NOTES:**

- A. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.

**KEYNOTES:**

1. REMOVE DOOR, SECURE OPENING WITH 2x4 FRAMING AND 5/8" OSB.
2. REMOVE ALL CAULK FROM BOTH SIDES OF DOOR FRAME.
3. REMOVE ITEMS FROM BOILER SYSTEM AS REQUIRED, INCLUDING BUT NOT LIMITED TO; REFRACTORY, GASKETS & CEMENT, INSULATION ON BREACHING, ETC.
4. REMOVE ALL FUEL CHIMNEY THROUGH TO ROOF.
5. REMOVE FOUR (4) ELECTRICAL DISCONNECT BOXES.
6. REMOVE TRANSITE BOARD AT SWITCH GEAR AND ABANDONED SWITCH GEAR PANEL.
7. REMOVE ONE (1) STORED DOOR IN R-1.

**LEGEND:**

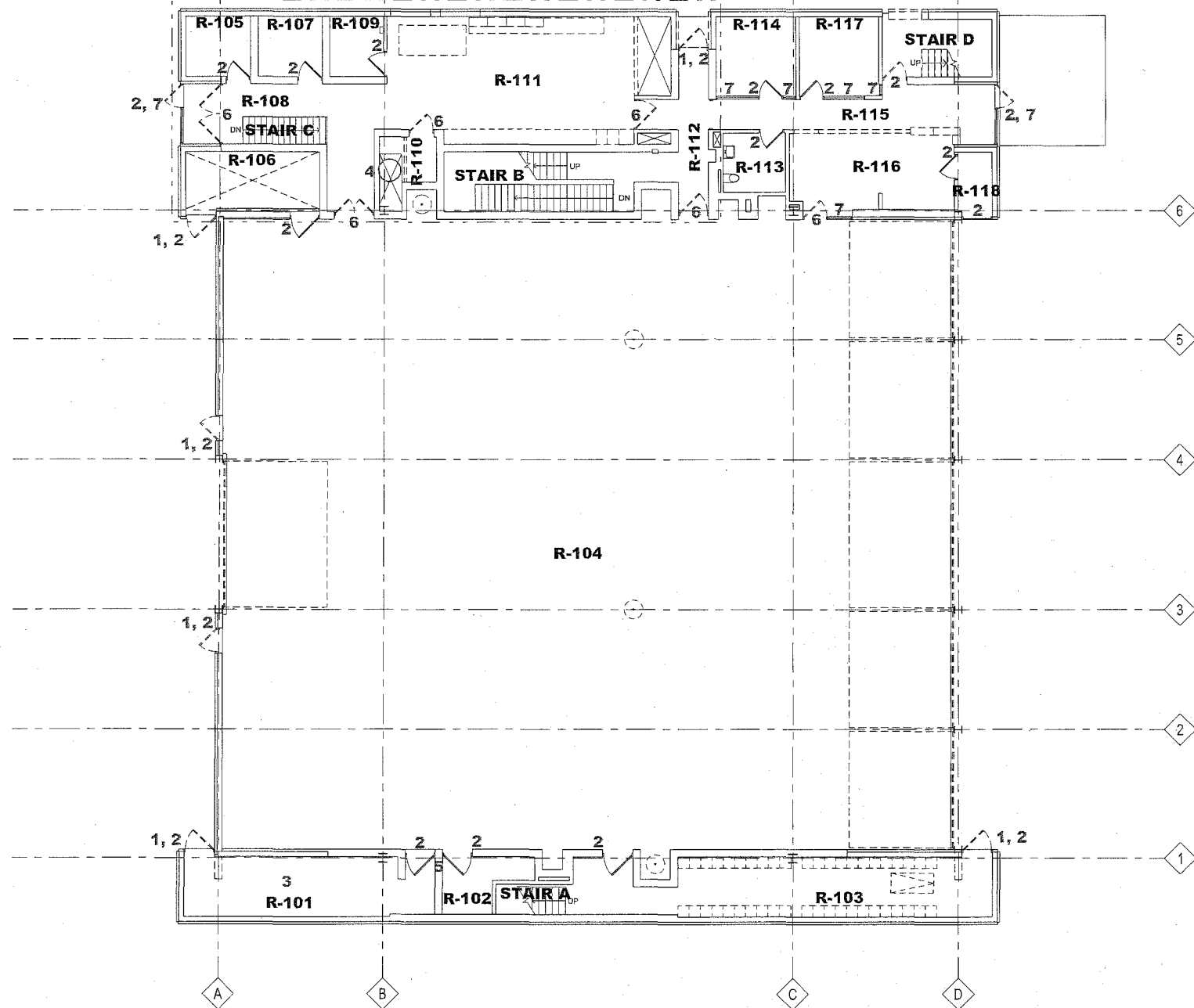
- R-# ROOM NUMBER
- # KEYNOTE NUMBER

**BASEMENT REMOVAL PLAN**



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454  
 316 W. DAYTON STREET  
 MADISON WISCONSIN

REMOVE CAULKING FROM PRECAST CONCRETE IN THIS AREA



**GENERAL NOTES:**

- A. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.
- B. REMOVE EXTERIOR CAULKING.

**KEYNOTES:**

- 1. REMOVE DOOR, SECURE OPENING WITH 2x4 FRAMING AND 5/8" OSB.
- 2. REMOVE ALL CAULK FROM BOTH SIDES OF FRAME.
- 3. REMOVE FLOOR TILE, BASE AND ALL MASTIC.
- 4. REMOVE ALL FUEL CHIMNEY THROUGH TO ROOF.
- 5. REMOVE ALL CAULKING FROM AROUND DUCT THROUGH WALL.
- 6. REMOVE DOOR, REMOVE ALL CAULK FROM BOTH SIDES OF FRAME.
- 7. REMOVE ALL GLAZING FROM WINDOWS.

**LEGEND:**

- R-# ROOM NUMBER
- # KEYNOTE NUMBER

**FIRST FLOOR REMOVAL PLAN**

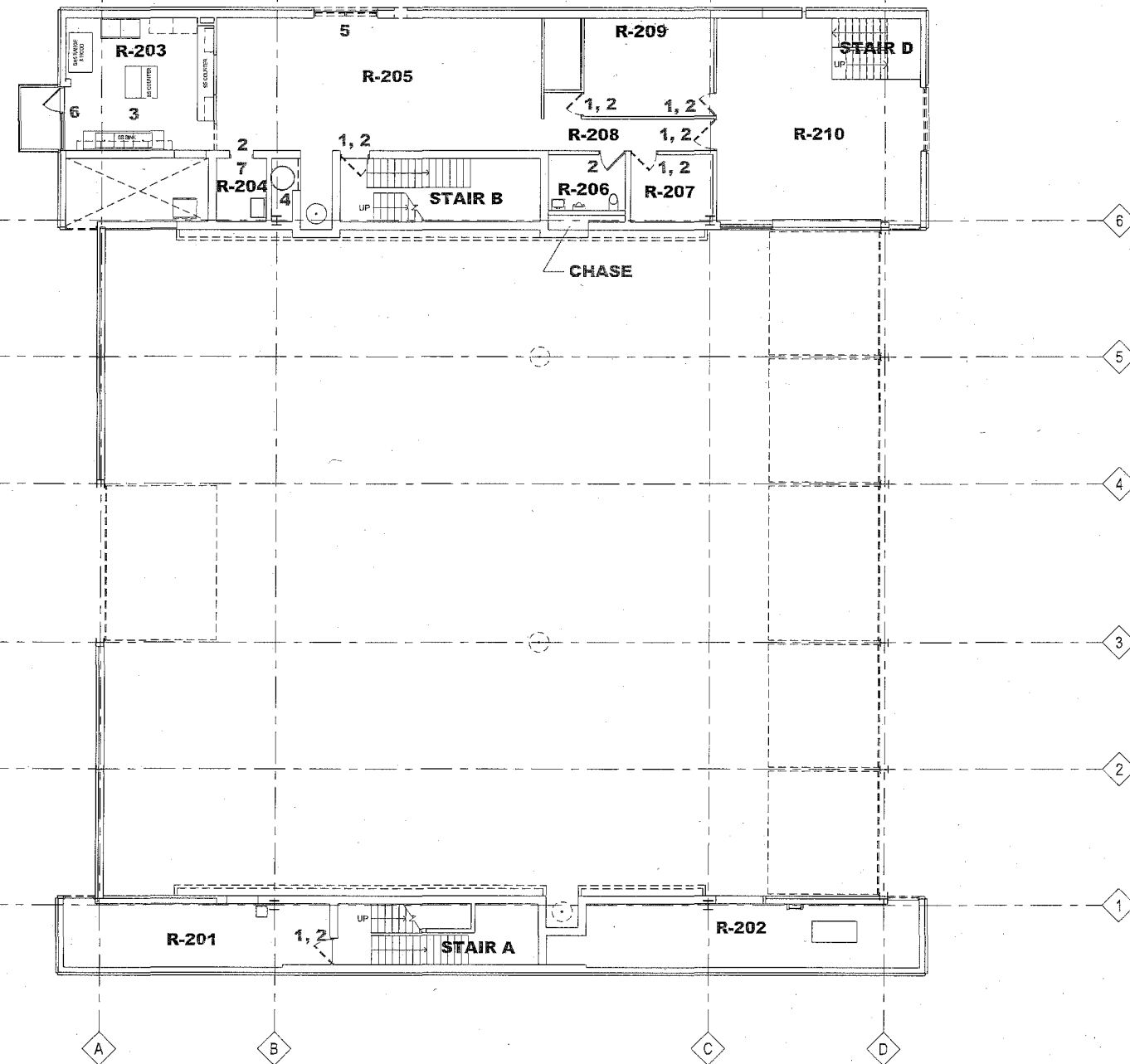
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**3**



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454  
 316 W. DAYTON STREET  
 MADISON WISCONSIN

SHEET  
**4**



**GENERAL NOTES:**

- A. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.
- B. REMOVE EXTERIOR CAULKING.

**KEYNOTES:**

- 1. REMOVE DOOR.
- 2. REMOVE CAULKING FROM BOTH SIDES OF DOOR FRAME.
- 3. CLEANUP ABOVE CEILING.
- 4. ALL FUEL CHIMNEY FROM BASEMENT.
- 5. REMOVE CAULKING FROM WINDOW FRAME.
- 6. REMOVE ALL CAULKING AND GLAZING FROM FRAME
- 7. REMOVE FLOOR TILE, BASE AND MASTIC.

**LEGEND:**

- R-# ROOM NUMBER
- # KEYNOTE NUMBER

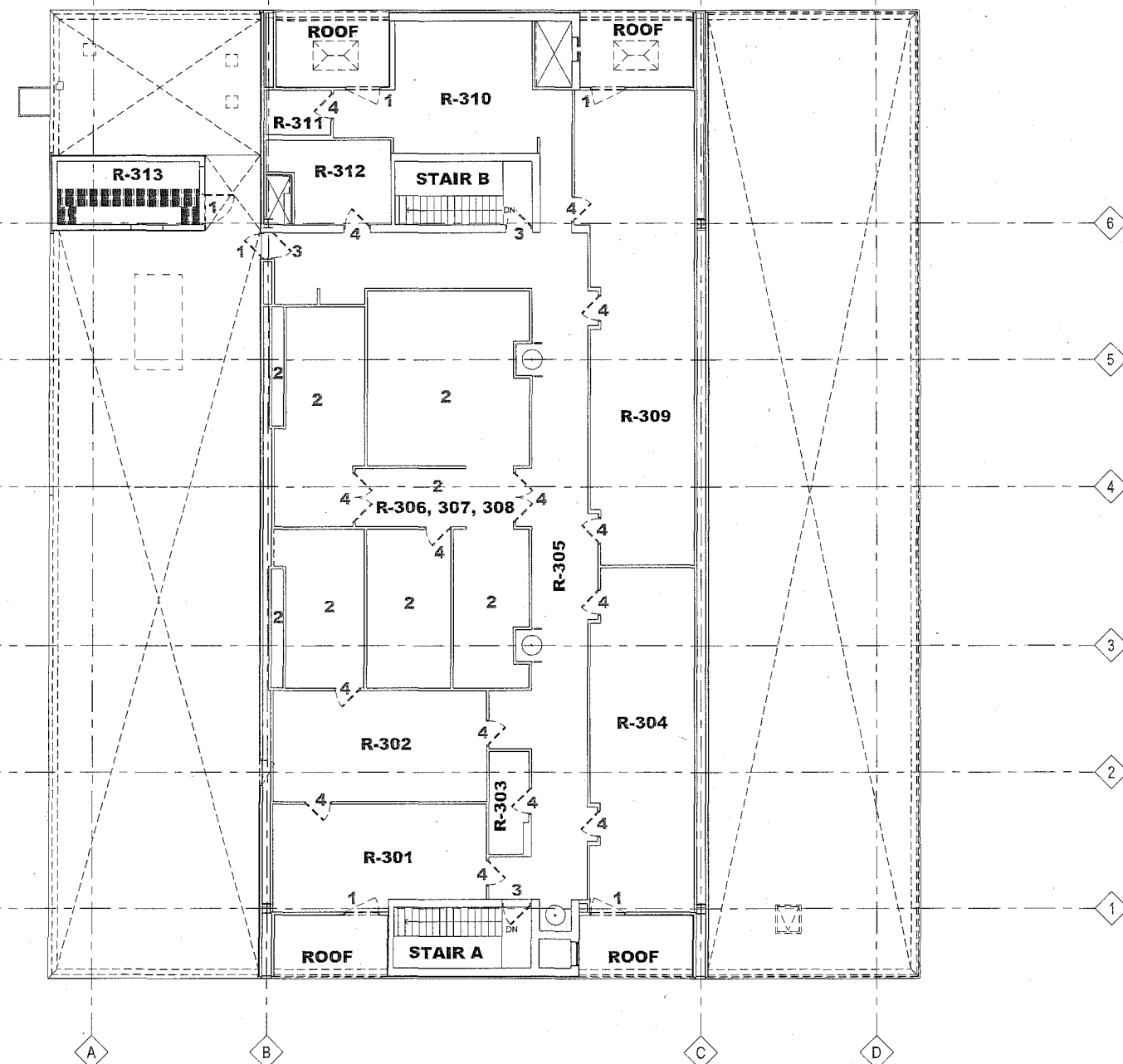
**SECOND FLOOR REMOVAL PLAN**



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 316 W. DAYTON STREET  
 MADISON WISCONSIN  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454

SHEET

**5**



**GENERAL NOTES:**

- A. AT THE CONTRACTORS OPTION HE/SHE MAY COMPLETELY REMOVE INTERIOR DOORS AND JAMBS FROM THE THIRD FLOOR ONLY.
- B. ALL EXTERIOR JAMBS SHALL REMAIN INTACT.
- C. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.

**KEYNOTES:**

- 1. REMOVE DOOR AND CAULK, SECURE OPENING WITH 2x4 FRAMING AND 5/8" OSB.
- 2. CLEANUP IN CHASES AND ABOVE CEILING
- 3. REMOVE DOOR, AND ALL CAULK, JAMB TO REMAIN INTACT.
- 4. REMOVE DOOR, AND ALL CAULK. SEE ALSO GENERAL NOTE "A" ABOVE.

**LEGEND:**

- R-# ROOM NUMBER
- # KEYNOTE NUMBER

**THIRD FLOOR REMOVAL PLAN**

# **LIMITED ASBESTOS AND LEAD SURVEY REPORT**

**CITY OF MADISON**

**315 E. DAYTON STREET  
MADISON, WI**

**A&A ENVIRONMENTAL NO. AA3690**

**INSPECTION DATE: AUGUST 12, 2014  
REPORT DATE: AUGUST 26, 2014**

**Submitted By:**

**A&A Environmental, Inc.**  
**N4381 US Hwy 51**  
**Poynette, WI 53955**  
**(608) 240-1511**

# A & A Environmental, Inc.

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N4381 US Hwy 51, Poynette, WI 53955

Phone: (608) 240-1511, Mobile Phone: (608) 576-4960, Fax: (608) 635-9717

## Inspection

August 25, 2014

Jeanne Hoffman  
City of Madison  
210 MLK, Jr. Blvd., CCB Room 115  
Madison, WI 53703-3342  
(608) 266-4091, Fax (608) 264-9275, Cell (608) 516-0776

RE: Fire Station #1, 316 West Dayton, Madison, WI 53703

On August 12, 2014 a limited asbestos inspection for renovation and XRF sampling for lead based paint was completed on Fire Station #1 located at 315 E. Dayton Street in Middleton, WI.

### Asbestos Inspection

Bulk samples collected and analyzed for asbestos content by polarized light microscopy (PLM). The following building materials were reported > 1% asbestos or are assumed to contain friable asbestos (RACM) or will become friable during renovation. These materials must be properly removed prior to renovation.

#### Room #1

- 257 fittings
- 282 Sq Ft of insulation on boiler breaching
- 45 Lin Ft of 3 Ft OD all fuel chimney (from basement through the roof)
- 390 Sq Ft of boiler refractory, gaskets, and cement between boiler sections (assumed)
- 4 fire doors

#### Room #2

- 28 fittings
- 1 fire door

#### Room #3

- 18 fittings

#### Room #101

- 8 fittings
- 2 fire doors



Room #102  
8 fittings  
1 fire door

Room #103/202  
33 fittings in second floor equipment room  
2 fire doors

Room #104  
335 fittings (above ceiling and ceiling tiles on side walls)

Room #105  
1 fire door

Room #106  
1 fire door

Room #107  
1 fire door

Room #108  
1 fire door

Room #109  
1 fire door

Room #110  
1 fire door

Room #112  
2 fire doors

Rooms #105 through #112  
1,008 Lin Ft of precast caulking - 84 Sq Ft

Room #113  
1 fire door

Room #115  
1 fire door

Room #118  
1 fire door

Room #201  
46 fittings  
1 fire door

Room #202  
See fittings in Room #103/202

Room #203  
2 fire doors  
28 fittings above plaster ceiling  
60 Sq Ft clean up on top of plaster ceiling  
18 fittings in walls (demolition required)

Room #204  
4 fittings  
1 fire door

Room #205

187 fittings above ceiling  
36 fittings in walls (demolition required)

Room #206

1 fire door  
2 fittings above ceiling  
14 fittings in plumbing chase

Room #207

7 fittings  
1 fire door

Room #208

1 fire door

Room #209

1 fire door  
16 fittings above ceilings  
14 fittings in walls (demolition required)

Room #210

39 fittings above ceilings  
14 fittings in walls (demolition required)

Room #303

6 fittings in walls (demolition required)

Room #304

24 fittings in walls (demolition required)  
18 fittings above ceilings  
2 fire doors

Room #305

112 fittings  
7 fire doors

Rooms #306-307-308

264 fittings above ceilings and in chases (some demolition required)  
400 Sq Ft of clean up in chases and above ceilings

Room #309

17 fittings above ceiling  
8 fittings in walls (demolition required)  
2 fire doors

Room #310

38 fittings above ceiling  
18 fittings in walls (demolition required)  
2 fire doors

Room #311

20 fittings in walls (demolition required)

Room #313

1 fire door

\*All fire doors are assumed to contain asbestos. The boiler was not disassembled for sampling - materials are assumed to contain asbestos.

The following building materials tested > 1% asbestos by PLM 400 point count or are assumed to contain asbestos in good condition that will not become friable during renovation . These materials are non-friable, Category I and non-friable Category II in good condition.

Room #1

4 electrical boxes (assumed)  
Caulking on 3 door frames

Room #2

Caulking on 1 door frame  
Transite board in switch gear (assumed)

Room #101

Caulking on 2 door frames  
Floor tile and mastic - 297 Sq Ft  
Caulking on duct going through the wall - 6 Lin Ft

Room #102

Caulking on 1 door frame

Room #103

Caulking on 2 door frames

Room #104

Caulking/glazing on 1 window and door frame - 8 Ft x 14 Ft

Room #105

Caulking on 1 door frame

Room #106

Caulking on 1 door frame

Room #107

Caulking on 1 door frame

Room #108

Caulking on 1 double door frame

Room #109

Caulking on 1 door frame

Room #110

Caulking on 1 door frame

Room #112

Caulking on 2 door frames

Room #113

Caulking on 1 door frame

Room #114

Caulking/glazing on 1 window and door frame - 8 Ft x 10 Ft

Room #115

Caulking on 1 door frame

Room #116

Caulking/glazing on 1 window and door frame - 8 Ft x 14 Ft

Room #117

Caulking/glazing on 1 window and door frame - 8 Ft x 10 Ft

Caulking/glazing on 1 window - 2 Ft x 8 Ft

Room #118

Caulking on 2 door frames

Caulking/glazing on 1 double door and window frame - 8 Ft x 10 Ft

Room #201

Caulking on 1 door frame

Room #203

Caulking/glazing on 1 window and door frame - 8 Ft x 10 Ft

Caulking on 1 door frame

Room #204

Caulking on 1 door frame

40 Sq Ft of 9 x 9 floor tile and mastic

Room #205

Caulking on 1 window frame - 4 Ft x 8 Ft

Room #206

Caulking on 1 door frame

Room #207

Caulking on 1 door frame

Room #208

Caulking on 1 door frame

Room #209

Caulking on 1 door frame

Room #305

Caulking on 4 fire doors

Grey not black vertical and horizontal caulking on the exterior of the building. Most of the caulking is on the second and third floor. A lift will be required to access the caulking - 1,280 Lin Ft. There is brown caulking over some of the gray caulking.

\*Most of the metal door and window frames have caulking on both sides of the frames. Most single door frames are 4 Ft x 7 Ft.

The following building materials were bulk sampled and reported as no asbestos detected:

- Base cove throughout
- Base cove mastic throughout
- Epoxy floor coating
- Vibration dampeners
- 12 x 12 ceiling tiles
- 2 x 2 ceiling tiles
- Cement block wall coating
- Tan paint
- White paint
- Gray floor paint
- Glue pods
- Sheet vinyl
- Sheet vinyl mastic
- Drywall
- Drywall compound
- Topcoat plaster
- Basecoat plaster
- Ceramic floor tile grout
- Ceramic floor tile thinset
- Fire stop caulking
- Ceramic wall tile grout
- Yellow ceramic wall tile glue
- Clay floor tile grout
- Clay floor tile thinset
- Clay floor tile glue
- Ceramic base cove grout
- Yellow ceramic base cove glue
- Black/red/gray vinyl flooring
- Vinyl flooring glue
- Black roof mastic
- Tan roof mastic/glue
- White roof sealant
- Black exterior vertical caulking
- Brown exterior vertical caulking
- Black exterior foundation coating
- Exterior plaster topcoat
- White paint on exterior plaster
- Exterior plaster basecoat

## XRF Sampling for Lead in Paint

On August 21, 2014 all accessible painted surfaces within and on the exterior were sampled for lead in paint using a Niton XLP 300 XRF paint analyzer. The building components reported  $> 0.7 \text{ Mg/Cm}^2$  are as follows:

1. Structural steel around the exterior doors and window frames.
2. Angle iron/roof flashing - roof area.
3. White paint on the C wall of Room #2.

As a reference Dayton Street is the A wall with B,C, and D walls clockwise from the A wall.

A&A Environmental Inc.'s inspectors are only able to inspect open, safe, and accessible areas inside and outside of the building. Inaccessible suspect material may be hidden throughout this building. Any additional suspect materials discovered during the course of abatement/demolition/remodeling must be assumed to be ACM until sampled by and EPA/State of Wisconsin certified asbestos inspector and proven negative.

If you have any questions concerning this report or the sampling performed please feel free to contact me.

Sincerely,

  
Kim Sopha

President/Inspector #AII01851

Encl

KAS/bls

# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report  
**0144916**

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.  
Address: N4381 US HWY 51  
POYNETTE WI 53955  
Collected: 08/12/2014  
Project Name: 315 E. DAYTON ST.  
Address:

Job# / P.O. #: AA3685  
Date Received: 08/13/2014  
Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-001 01	RM 101	9"x9" Floor Tile, Off White/ Beige	Yes	Chrysotile 3%	Non-Fibrous Tremolite 7% Carbonates Quartz Binder/Filler 90%
0144916-002 02	RM 101	Floor Tile Mastic, Black	Yes	Chrysotile 8%	Carbonates Binder/Filler 92%
0144916-003 03	RM 101	Cove Base, Black	No	None Detected	Carbonates Binder/Filler 100%
0144916-004 04	RM 101	Cove Base Mastic, Brown	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Binder/Filler 99%
0144916-005 05	RM 101	Door Frame Caulking, Lt. Gray/ Beige	Yes	Chrysotile 3%	Gypsum Carbonates Binder/Filler 97%
0144916-006 06	RM 101	Ductwork Caulking, Lt. Gray/ Beige	Yes	Chrysotile 4%	Carbonates Binder/Filler 96%
0144916-007 07	RM 101	TSI Fitting, Beige	Yes	Chrysotile 10%	Mineral Wool 30% Carbonates Gypsum Mica Binder/Filler 60%
0144916-008 08	RM 102	Epoxy Floor Coating, Beige	No	None Detected	Quartz Gypsum Carbonates Binder/Filler 100%

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Project Name: 315 E. DAYTON ST.

EPA Method: EPA 600/R-93/116

Address:

Submitted By: KIM SOPHA

Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-009 09	RM 103 2ND FL	Vibration Dampner, Black	No	None Detected	Cellulose Fiber 85% Carbonates Binder/Filler 15%
0144916-010 10	RM 103	Paint, Tan	No	None Detected	Talc 5% Carbonates Quartz Binder/Filler 95%
0144916-011 11	RM 104	12"x12" Ceiling Tile, Lt. Green	No	None Detected	Mineral Wool 85% Gypsum Binder/Filler 15%
0144916-012 12	RM 104	12"x12" Ceiling Tile, Lt. Green/ White	No	None Detected	Mineral Wool 80% Gypsum Carbonates Quartz Binder/Filler 20%
0144916-013 13	RM 104 CLOSET	Block Wall Caulking, Lt. Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-014 14	RM 104	Door/ Window Frame Caulking, Yellow	Yes	Chrysotile 3%	Carbonates Quartz Binder/Filler 97%
0144916-015 15	RM 104	Flooring Paint, Gray	No	None Detected	Carbonates Binder/Filler 100%
0144916-016 16	RM 107	Precast Caulking, Tan / White	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%



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Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-017 17	RM 110	Precast Caulking, Tan / White	Yes	Chrysotile 5%	Carbonates Quartz Binder/Filler 95%
0144916-018 18	RM 115	12"x12" Ceiling Tile, White/ Off White	No	None Detected	Mineral Wool 85% Gypsum Binder/Filler 15%
0144916-019 19	RM 115	Glue Pod, Brown	No	None Detected	Wollastonite 3% Talc 2% Gypsum Carbonates Quartz Binder/Filler 95%
0144916-020 20	RM 115	2x2 Ceiling Tile, White	No	None Detected	Mineral Wool 50% Cellulose Fiber 30% Carbonates Perlite Binder/Filler 20%
0144916-021 21	RM 118	Sheet Vinyl, Gray/ Black	No	None Detected	Carbonates Binder/Filler 100%
0144916-022 22	RM 118	Sheet Vinyl Mastic, Tan	No	None Detected	Cellulose Fiber <1% Carbonates Quartz Binder/Filler 99%
0144916-023 23	RM 118	Drywall, White/ Brown	No	None Detected	Cellulose Fiber 10% Fibrous Glass 2% Gypsum Carbonates Mica Quartz 88%

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Address:		Submitted By:	KIM SOPHA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-024 24	RM 118	Drywall Compound, White	No	None Detected	Carbonates Perlite Mica Binder/Filler 100%
0144916-025 25	ENTRY RM 118	Plaster-Top Coat, Off White	No	None Detected	Carbonates Quartz Mica Binder/Filler 100%
0144916-026 26	ENTRY RM 118	Plaster-Base Coat, Gray	No	None Detected	Carbonates Quartz Mica Gypsum Binder/Filler 100%
0144916-027 27	BATHRM RM 116	2x2 Ceiling Tile-Drywall, White/ Brown	No	None Detected	Cellulose Fiber Fibrous Glass Gypsum Carbonates Mica Quartz 10% 3% 87%
0144916-028 28	RM 116	Ceramic Floor Tile Grout, Gray	No	None Detected	Carbonates Gypsum Quartz Mica Binder/Filler 100%
0144916-029 29	RM 116	Ceramic Floor Tile Thin Set, Gray	No	None Detected	Carbonates Quartz Mica Binder/Filler 100%

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Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-030 30	RM 210	2x2 Ceiling Tile, White/ Gray	No	None Detected	Mineral Wool 45% Cellulose Fiber 40% Carbonates Perlite Binder/Filler 15%
0144916-031 31	RM 210	Plaster-Top Coat, Off White	No	None Detected	Carbonates Gypsum Quartz Mica Binder/Filler 100%
0144916-032 32	RM 210	Plaster-Base Coat, Beige	No	None Detected	Cellulose Fiber <1% Gypsum Quartz Carbonates Mica Binder/Filler 99%
0144916-033 33	RM 209	Sheet Flooring, Gray/ Black/ Yellow	No	None Detected	Carbonates Binder/Filler 100%
0144916-034 34	RM 209	Sheet Flooring Mastic, Gray	No	None Detected	Cellulose Fiber 1% Carbonates Quartz Binder/Filler 99%
0144916-035 35	RM 209	Vinyl Base Cove, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-036 36	RM 209	Vinyl Base Cove mastic, Yellow	No	None Detected	Cellulose Fiber <1% Carbonates Binder/Filler 99%

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	POYNETTE WI 53955	Date Analyzed:	08/15/2014
Collected:	08/12/2014	Date Reported:	08/15/2014
Project Name:	315 E. DAYTON ST.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KIM SOPHA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-037 37	RM 207	Fire Stop- Caulking, Red	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-038 38	RM 206	TSI Fitting, Beige	Yes	Chrysotile 10%	Mineral Wool 40% Carbonates Gypsum Mica Binder/Filler 50%
0144916-039 39	RM 206	Drywall, White	No	None Detected	Fibrous Glass 30% Gypsum Carbonates Mica Binder/Filler 70%
0144916-040 40	RM 206	Ceramic Wall Tile Grout, Beige	No	None Detected	Carbonates Quartz Gypsum Binder/Filler 100%
0144916-041 41	RM 206	Ceramic Wall Tile Mastic, Yellow	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-042 42	RM 206	Ceramic Floor Tile Grout, Gray	No	None Detected	Carbonates Quartz Mica Binder/Filler 100%
0144916-043 43	RM 206	Ceramic Floor Tile Thin Set, Gray	No	None Detected	Carbonates Quartz Mica Binder/Filler 100%

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Project Name: 315 E. DAYTON ST.  
Address:

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Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-044 44	RM 205	2x2 Ceiling Tile, White/ Gray	No	None Detected	Mineral Wool 45% Cellulose Fiber 40% Carbonates Perlite Binder/Filler 15%
0144916-045 45	RM 205	Clay Floor Tile Glue, Yellow	No	None Detected	Gypsum Quartz Binder/Filler 100%
0144916-046 46	RM 205	Clay Floor Tile Grout, Gray	No	None Detected	Carbonates Quartz Gypsum Mica Binder/Filler 100%
0144916-047 47	RM 205	Clay Floor Tile Thin Set, Gray	No	None Detected	Carbonates Quartz Gypsum Mica Binder/Filler 100%
0144916-048 48	RM 205	Door Frame Caulk, Black/ Brown	Yes	Chrysotile 3%	Gypsum Carbonates Quartz Binder/Filler 97%
0144916-049 49	RM 205	Wall Paint, Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%

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Project Name:	315 E. DAYTON ST.	EPA Method:	EPA 600/R-93/116
Address:		Submitted By:	KIM SOPHA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-050 50	RM 204	Ceramic Floor Tile Grout, Gray	No	None Detected	Carbonates Quartz Mica Binder/Filler 100%
0144916-051 51	RM 204	Ceramic Floor Tile Thin Set, Beige	No	None Detected	Cellulose Fiber Carbonates Quartz Gypsum Mica Binder/Filler 1% 99%
0144916-052 52	RM 204	Ceramic Base Cove Grout, Yellow	No	None Detected	Cellulose Fiber Carbonates Quartz Mica Binder/Filler <1% 99%
0144916-053 53	RM 204	Ceramic Base Cove Glue, Yellow/ Brown	No	None Detected	Cellulose Fiber Carbonates Gypsum Quartz Binder/Filler <1% 99%
0144916-054 54	RM 309	Vinyl Flooring, Red/ Black/ Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-055 55	RM 309	Vinyl Flooring Mastic, Clear/ Gray	No	None Detected	Cellulose Fiber Carbonates Quartz Binder/Filler 1% 99%
0144916-056 56	RM 309	Vinyl Base Cove, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%

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Address:		Submitted By:	KIM SOPHA
		Collected By:	

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-057 57	RM 309	Vinyl Base Cove Mastic, Yellow/ Brown	No	None Detected	Synthetic Fiber 3% Cellulose Fiber 2% Carbonates Quartz Binder/Filler 95%
0144916-058 58	RM 309	12"x12" Ceiling Tile-Newer, White/ Off White	No	None Detected	Mineral Wool 85% Carbonates Gypsum Binder/Filler 15%
0144916-059 59	RM 309	12"x12" Ceiling Tile, White/ Gray	No	None Detected	Mineral Wool 85% Carbonates Gypsum Binder/Filler 15%
0144916-060 60	RM 310	12"x12" Ceiling Tile, White/ Gray	No	None Detected	Cellulose Fiber 50% Mineral Wool 30% Carbonates Gypsum Perlite Binder/Filler 20%
0144916-061 61	RM 306	Vinyl, Red	No	None Detected	Carbonates Gypsum Quartz Binder/Filler 100%
0144916-062 62	RM 306	Mastic, Gray	No	None Detected	Cellulose Fiber 1% Carbonates Gypsum Quartz Binder/Filler 99%
0144916-063 63	RM 311	Ceramic Tile Grout, White	No	None Detected	Carbonates Quartz Gypsum Binder/Filler 100%

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Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-064 64	RM 311	Glue, Yellow	No	None Detected	Gypsum Quartz Binder/Filler 100%
0144916-065 65	RM 312	Plaster - Finish Coat/ Paint, White	No	None Detected	Gypsum Perlite Carbonates Quartz Binder/Filler 100%
0144916-066 66	RM 312	Plaster-Scratch Coat, Gray	No	None Detected	Cellulose Fiber Gypsum Quartz Carbonates Mica 99%
0144916-067 67	RM 312	Drywall, White/ Brown	No	None Detected	Cellulose Fiber Gypsum Carbonates Quartz 12% 88%
0144916-068 68	RM 312	LAYER 1 Caulking, Gray	Yes	Chrysotile 3%	Gypsum Binder/Filler 97%
		LAYER 2 Paint, Off White	No	None Detected	Gypsum Binder/Filler 100%
0144916-069 69	RM 307	Ceramic Tile Grout, White	No	None Detected	Gypsum Carbonates Quartz Binder/Filler 100%



# EMC LABS, INC.

9830 S. 51st Street, Suite B109, Phoenix, AZ 85044  
Phone: 800-362-3373 or 480-940-5294 - Fax: (480) 893-1726

Laboratory Report

0144916

## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.  
Address: N4381 US HWY 51  
POYNETTE WI 53955  
Collected: 08/12/2014  
Project Name: 315 E. DAYTON ST.  
Address:

Job# / P.O. #: AA3685  
Date Received: 08/13/2014  
Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-070 70	RM 307	Mastic, Yellow	No	None Detected	Cellulose Fiber <1% Gypsum Quartz Binder/Filler 99%
0144916-071 71	RM 307	Ceramic Tile Grout, Gray	No	None Detected	Gypsum Quartz Carbonates Binder/Filler 100%
0144916-072 72	RM 307	Thin Set, White/ Gray	No	None Detected	Carbonates Quartz Gypsum Binder/Filler 100%
0144916-073 73	RM 308	Basecove Mastic, Brown/ Tan	No	None Detected	Cellulose Fiber 1% Gypsum Quartz Carbonates Binder/Filler 99%
0144916-074 74	RM 308	Basecove, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-075 75	RM 308	Ceramic Tile Grout, Gray	No	None Detected	Quartz Carbonates Gypsum Binder/Filler 100%
0144916-076 76	RM 303	Ceramic Floor Tile, Gray	No	None Detected	Gypsum Quartz Carbonates Binder/Filler 100%

# EMC LABS, INC.

Laboratory Report

**0144916**

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## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.	Job# / P.O. #: AA3685
Address: N4381 US HWY 51	Date Received: 08/13/2014
POYNETTE WI 53955	Date Analyzed: 08/15/2014
Collected: 08/12/2014	Date Reported: 08/15/2014
Project Name: 315 E. DAYTON ST.	EPA Method: EPA 600/R-93/116
Address:	Submitted By: KIM SOPHA
	Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-077 77	RM 303	Plaster Ceiling-Finish Coat, White	No	None Detected	Cellulose Fiber <1% Gypsum Carbonates Quartz Mica Binder/Filler 99%
0144916-078 78	OUTSIDE RM 301	Caulk, Gray/ Black	Yes	Chrysotile 15%	Gypsum Carbonates Binder/Filler 85%
0144916-079 79	RM 301	Window Glazing, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-080 80	RM 301	Ceiling Tile, White/ Off White	No	None Detected	Mineral Wool 90% Gypsum Carbonates Binder/Filler 10%
0144916-081 81	RM 301	Cove Base, Black	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-082 82	RM 301	Cove Base Mastic, Yellow	No	None Detected	Cellulose Fiber <1% Gypsum Carbonates Quartz Binder/Filler 99%
0144916-083 83	3RD FL	Roof Mastic, Black	No	None Detected	Silicone Binder/Filler 100%

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## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.  
 Address: N4381 US HWY 51  
 POYNETTE WI 53955  
 Collected: 08/12/2014  
 Project Name: 315 E. DAYTON ST.  
 Address:

Job# / P.O. #: AA3685  
 Date Received: 08/13/2014  
 Date Analyzed: 08/15/2014  
 Date Reported: 08/15/2014  
 EPA Method: EPA 600/R-93/116  
 Submitted By: KIM SOPHA  
 Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-084 84	3RD FL	Roof Mastic, Black	No	None Detected	Silicone Binder/Filler 100%
0144916-085 85	3RD FL	Roof Mastic, Tan	No	None Detected	Silicone Binder/Filler 100%
0144916-086 86	3RD FL	Caulk, White/ Gray	No	None Detected	Carbonates Quartz Binder/Filler 100%
0144916-087 87	3RD FL	Sealant, White	No	None Detected	Gypsum Binder/Filler 100%
0144916-088 88	2ND FL ROOF	Door Frame Caulk, Gray	Yes	Chrysotile 5%	Gypsum Binder/Filler 95%
0144916-089 89	2ND FL W. ROOF	Caulk, Brown	No	None Detected	Carbonates Gypsum Quartz Binder/Filler 100%
0144916-090 90	2ND FL S. ROOF	Caulk, Brown	No	None Detected	Carbonates Gypsum Quartz Binder/Filler 100%

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## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.  
Address: N4381 US HWY 51  
POYNETTE WI 53955  
Collected: 08/12/2014  
Project Name: 315 E. DAYTON ST.  
Address:Job# / P.O. #: AA3685  
Date Received: 08/13/2014  
Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-091 91	RM 201 STAIRWELL	LAYER 1 12"x12" Ceiling Tile, Gray	No	None Detected	Mineral Wool 90% Gypsum Carbonates Binder/Filler 10%
		LAYER 2 Coating, White	No	None Detected	Mineral Wool 5% Carbonates Gypsum Quartz Binder/Filler 95%
0144916-092 92	RM 201 STAIRWELL	TSI Fitting Insulation, Gray	Yes	Chrysotile 85%	Mineral Wool 5% Gypsum Carbonates Binder/Filler 10%
0144916-093 93	RM 1	Boiler Breaching, Gray	Yes	Chrysotile 25%	Mineral Wool 40% Gypsum Carbonates Binder/Filler 35%
0144916-094 94	RM 1	Boiler Breaching, Gray	Yes	Chrysotile 25% Amosite 2%	Mineral Wool 40% Gypsum Carbonates Binder/Filler 33%
0144916-095 95	RM 1	TSI Fitting Insulation, Gray	Yes	Chrysotile 50%	Mineral Wool 40% Gypsum Quartz Binder/Filler 10%
0144916-096 96	RM 1	Door Frame Caulk, Gray/ Black	Yes	Chrysotile 10%	Gypsum Binder/Filler 90%

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Date Received: 08/13/2014  
Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents	
0144916-097 97	RM 2	LAYER 1 Coating, Black/ Brown	No	None Detected	Cellulose Fiber	75%
		LAYER 2 Insulation, Yellow	No	None Detected	Gypsum Binder/Filler	25%
0144916-098 98	RM 2	Coating/ Paint, White/ Dk. Beige Note: Very small amount of coating	No	None Detected	Fibrous Glass	97%
					Gypsum	3%
0144916-099 99	VERTL ANGLE BY N.E. OVER HEAD DOOR	Caulk, Black	No	None Detected	Cellulose Fiber	10%
					Gypsum Carbonates Binder/Filler	90%
0144916-100 100	N. WALL OF BLDG EXPOSED UNDER GROUND	Foundation Tar, Black	No	None Detected	Cellulose Fiber	5%
					Gypsum Carbonates Quartz Binder/Filler	95%
0144916-101 101	OVER HANG EXTERIOR E. 1ST FL	LAYER 1 Plaster-Finish Coat, White	No	None Detected	Cellulose Fiber	<1%
		LAYER 2 Paint/ Coating, White	No	None Detected	Gypsum Mica Carbonates Binder/Filler	99%
					Gypsum Carbonates Mica Binder/Filler	100%

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Laboratory Report

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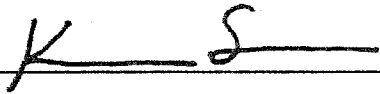
## Bulk Asbestos Analysis by Polarized Light Microscopy

NVLAP#101926-0

Client: A & A ENVIRONMENTAL, INC.  
Address: N4381 US HWY 51  
POYNETTE WI 53955  
Collected: 08/12/2014  
Project Name: 315 E. DAYTON ST.  
Address:

Job# / P.O. #: AA3685  
Date Received: 08/13/2014  
Date Analyzed: 08/15/2014  
Date Reported: 08/15/2014  
EPA Method: EPA 600/R-93/116  
Submitted By: KIM SOPHA  
Collected By:

Lab ID Client ID	Sample Location	Layer Name / Sample Description	Asbestos Detected	Asbestos Type (%)	Non-Asbestos Constituents
0144916-102 102	OVER HANG EXTERIOR E. 1ST FL	Plaster-Scratch Coat, White/ Gray	No	None Detected	Cellulose Fiber <1%  Gypsum Quartz Carbonates Mica 99%



Analyst - Kenneth Scheske



Signatory - Lab Director - Kurt Kettler

Distinctly stratified, easily separable layers of samples are analyzed as subsamples of the whole and are reported separately for each discernible layer. All analyses are derived from calibrated visual estimate and measured in area percent unless otherwise noted. The report applies to the standards or procedures identified and to the sample(s) tested. The test results are not necessarily indicative or representative of the qualities of the lot from which the sample was taken or of apparently identical or similar products, nor do they represent an ongoing quality assurance program unless so noted. These reports are for the exclusive use of the addressed client and that they will not be reproduced wholly or in part for advertising or other purposes over our signature or in connection with our name without special written permission. The report shall not be reproduced except in full, without written approval by our laboratory. The samples not destroyed in testing are retained a maximum of thirty days. The laboratory measurement of uncertainty for the test method is approximately less than 1 by area percent. Accredited by the National Institute of Standards and Technology, Voluntary Laboratory Accreditation Program for selected test method for asbestos. The accreditation or any reports generated by this laboratory in no way constitutes or implies product certification, approval, or endorsement by the National Institute of Standards and Technology. The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. Polarized Light Microscopy may not be consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials.

# A & A Environmental, Inc.

N4381 US Hwy 51 • Poynette, WI 53955  
 Phone: (608) 240-1511 • Mobile Phone: (608) 576-4960 • Pager: (608) 275-5377  
 Fax: (608) 635-9717

CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

Index	Component	Substrate	Side	Condition	Color	Room	Results	PbC
1			CAL					3.1
2			CAL				Positive	1
3			CAL				Positive	1.1
4			CAL				Positive	1
5	DOOR	METAL	D	INTACT	BROWN	113	Negative	0
6	WALL	CONCRETE	C	INTACT	BROWN	113	Negative	0
7	WALL	CONCRETE	D	INTACT	BROWN	113	Negative	0.01
8	WALL	CONCRETE	A	INTACT	BROWN	113	Negative	0.01
9	DOOR	METAL	A	INTACT	BROWN	113	Negative	0
10	WALL	CONCRETE	A	INTACT	TAN	118	Negative	0
11	DOOR	METAL	B	INTACT	TAN	118	Negative	0.04
12	WALL	CONCRETE	C	INTACT	TAN	118	Negative	0
13	DOOR	METAL	A	INTACT	BROWN	115	Negative	0
14	CEILING	PLASTER		INTACT	TAN	115	Negative	0
15	WALL	CONCRETE	B	INTACT	TAN	115	Negative	0
16	WALL	CONCRETE	C	INTACT	TAN	115	Negative	0
17	WALL	CONCRETE	D	INTACT	TAN	115	Negative	0
18	WALL	CONCRETE	A	INTACT	TAN	STAIRWELL D	Negative	0.02
19	WALL	CONCRETE	B	INTACT	TAN	STAIRWELL D	Negative	0
20	WALL	CONCRETE	D	INTACT	TAN	STAIRWELL D	Negative	0
21	WALL	CONCRETE	C	INTACT	TAN	STAIRWELL D	Negative	0
22	STAIR FRAME	METAL		INTACT	BROWN	STAIRWELL D	Negative	0.02
23	DOOR	METAL	B	INTACT	BROWN	STAIRWELL D	Negative	0.08
24	DOOR	METAL	B	INTACT	BROWN	117	Negative	0.03
25	WALL	CONCRETE	A	INTACT	TAN	117	Negative	0
26	WINDOW	METAL	A	INTACT	BROWN	117	Negative	0.01
27	WINDOW	CONCRETE	B	INTACT	TAN	117	Negative	0.01
28	WINDOW	CONCRETE	C	INTACT	TAN	117	Negative	0.01
29	WINDOW	CONCRETE	D	INTACT	TAN	117	Negative	0.21
30	WALL	CONCRETE	D	INTACT	TAN	113	Negative	0.01

# A & A Environmental, Inc.

N4381 US Hwy 51 • Poynette, WI 53955  
 Phone: (608) 240-1511 • Mobile Phone: (608) 576-4960 • Pager: (608) 275-5377  
 Fax: (608) 635-9717

CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

31	DOOR	METAL	D	INTACT	BROWN	113	Negative	0
32	WALL	CONCRETE	A	INTACT	BROWN	113	Negative	0
33	WALL	CONCRETE	B	INTACT	BROWN	113	Negative	0
34	WALL	CONCRETE	A	INTACT	TAN	114	Negative	0
35	DOOR	METAL	B	INTACT	BROWN	114	Negative	0.02
36	WALL	CONCRETE	C	INTACT	TAN	114	Negative	0
37	WALL	CONCRETE	C	INTACT	TAN	114	Negative	0.09
38	DOOR	METAL	A	INTACT	BROWN	112	Negative	0.01
39	DOOR	METAL	B	INTACT	BROWN	112	Negative	0
40	DOOR	METAL	C	INTACT	BROWN	112	Negative	0.08
41	DOOR	METAL	D	INTACT	BROWN	112	Negative	0.09
42	WALL	CONCRETE	A	INTACT	TAN	112	Negative	0
43	WALL	CONCRETE	B	INTACT	TAN	112	Negative	0
44	WALL	CONCRETE	C	INTACT	TAN	112	Negative	0
45	WALL	CONCRETE	D	INTACT	TAN	112	Negative	0
46	WALL	CONCRETE	A	INTACT	WHITE	111	Negative	0
47	WALL	CONCRETE	B	INTACT	WHITE	111	Negative	0
48	WALL	CONCRETE	C	INTACT	WHITE	111	Negative	0
49	WALL	CONCRETE	D	INTACT	WHITE	111	Negative	0.13
50	CEILING	CONCRETE		INTACT	WHITE	111	Negative	0
51	CEILING	CONCRETE		INTACT	WHITE	111	Negative	0.03
52	CEILING	PLASTER	B	INTACT	WHITE	111	Negative	0
53	CEILING	PLASTER	B	INTACT	WHITE	111	Negative	0
54	DOOR	METAL	B	INTACT	BROWN	109	Negative	0.01
55	DOOR	METAL	A	INTACT	YELLOW	109	Negative	0
56	DOOR	METAL	B	INTACT	YELLOW	109	Negative	0
57	DOOR	METAL	C	INTACT	YELLOW	109	Negative	0
58	DOOR	METAL	D	INTACT	YELLOW	109	Negative	0.02
59	WALL	CONCRETE	A	INTACT	WHITE	109	Negative	0.01
60	WALL	CONCRETE	B	INTACT	WHITE	109	Negative	0
61	WALL	CONCRETE	C	INTACT	WHITE	109	Negative	0
62	DOOR	METAL	D	INTACT	BROWN	109	Negative	0.01



# A & A Environmental, Inc.

N4381 US Hwy 51 • Poynette, WI 53955  
 Phone: (608) 240-1511 • Mobile Phone: (608) 576-4960 • Pager: (608) 275-5377  
 Fax: (608) 635-9717

CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

63	CEILING	CONCRETE		INTACT	WHITE	109	Negative	0
64	DOOR	METAL	B	INTACT	BROWN	107	Negative	0.01
65	WALL	CONCRETE	A	INTACT	WHITE	107	Negative	0
66	WALL	CONCRETE	B	INTACT	WHITE	107	Negative	0.02
67	WALL	CONCRETE	C	INTACT	WHITE	107	Negative	0.02
68	WALL	CONCRETE	D	INTACT	WHITE	107	Negative	0
69	CEILING	CONCRETE		INTACT	WHITE	107	Negative	0
70	DOOR	METAL	B	INTACT	BROWN	105	Negative	0.09
71	FLOOR	CONCRETE		INTACT	YELLOW	111	Negative	0
72	DOOR	METAL		INTACT	BROWN	106	Negative	0.02
73	WALL	CONCRETE	A	INTACT	YELLOW	106	Negative	0
74	WALL	CONCRETE	B	INTACT	YELLOW	106	Negative	0
75	WALL	CONCRETE	B	INTACT	YELLOW	106	Negative	0
76	WALL	CONCRETE	C	INTACT	YELLOW	106	Negative	0
77	WALL	CONCRETE	D	INTACT	YELLOW	106	Negative	0
78	WALL	CONCRETE	B	INTACT	WHITE	103	Negative	0
79	WALL	CONCRETE	D	INTACT	WHITE	103	Negative	0
80	WALL	CONCRETE	C	INTACT	WHITE	103	Negative	0
81	WALL	CONCRETE	A	INTACT	WHITE	103	Negative	0
82	CEILING	CONCRETE		INTACT	GREY	103	Negative	0
83	DOOR	METAL	D	INTACT	BROWN	103	Negative	0.06
84	DOOR	METAL	D	INTACT	BROWN	102	Negative	0.01
85	WALL	CONCRETE	D	INTACT	TAN	102	Negative	0
86	WALL	CONCRETE	A	INTACT	TAN	102	Negative	0.01
87	WALL	CONCRETE	B	INTACT	TAN	102	Negative	0
88	WALL	CONCRETE	C	INTACT	TAN	102	Negative	0
89	WALL	CONCRETE	B	INTACT	TAN	201a	Negative	0
90	WALL	CONCRETE	C	INTACT	TAN	201a	Negative	0
91	WALL	CONCRETE	D	INTACT	TAN	201a	Negative	0
92	DOOR FRAME	METAL	C	INTACT	BROWN	201a	Negative	0.01
93	DOOR FRAME	METAL	D	INTACT	BROWN	301a	Negative	0.01

# A & A Environmental, Inc.

N4381 US Hwy 51 • Poynette, WI 53955  
 Phone: (608) 240-1511 • Mobile Phone: (608) 576-4960 • Pager: (608) 275-5377  
 Fax: (608) 635-9717

CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

94	WALL	CONCRETE	A	INTACT	TAN	301a	Negative	0
95	WALL	CONCRETE	B	INTACT	TAN	301a	Negative	0.01
96	WALL	CONCRETE	D	INTACT	TAN	301a	Negative	0.01
97	FLOOR	CONCRETE		INTACT	grey	301a	Negative	0
98	WALL	PLASTER	A	INTACT	TAN	301	Negative	0
99	WALL	PLASTER	B	INTACT	TAN	301	Negative	0
100	WALL	PLASTER	C	INTACT	TAN	301	Negative	0
101	WALL	PLASTER	D	INTACT	TAN	301	Negative	0
102	WINDOW	METAL	B	INTACT	BROWN	301	Negative	0.05
103	WALL	CONCRETE	A	INTACT	BROWN	301 EXTERIOR	Negative	0.05
104	WALL	CONCRETE	D	INTACT	BROWN	301 EXTERIOR	Negative	0.01
105	WALL	CONCRETE	C	INTACT	BROWN	301 EXTERIOR	Negative	0
	ROOF							
106	FLASHING	METAL	A	INTACT	BROWN	301 EXTERIOR	Negative	0
	ROOF							
107	FLASHING	METAL	C	INTACT	BROWN	301 EXTERIOR	Negative	0
	ROOF							
108	FLASHING	METAL	D	INTACT	BROWN	301 EXTERIOR	Negative	0
109	DOOR	METAL	C	INTACT	BROWN	302	Negative	0.01
110	WALL	METAL	A	INTACT	WHITE	302	Negative	0
111	WALL	METAL	B	INTACT	WHITE	302	Negative	0
112	WALL	METAL	C	INTACT	WHITE	302	Negative	0
113	WALL	METAL	D	INTACT	WHITE	302	Negative	0
114	WALL	PLASTER	A	INTACT	WHITE	303	Negative	0
115	WALL	PLASTER	B	INTACT	WHITE	303	Negative	0
116	WALL	PLASTER	C	INTACT	WHITE	303	Negative	0
117	WALL	PLASTER	D	INTACT	WHITE	303	Negative	0
118	DOOR	METAL	A	INTACT	BROWN	303	Negative	0.02
119	DOOR	METAL	C	INTACT	BROWN	304	Negative	0.02
120	WALL	PLASTER	C	INTACT	WHITE	304	Negative	0.02
121	WALL	PLASTER	D	INTACT	WHITE	304	Negative	0.03
122	WALL	PLASTER	A	INTACT	WHITE	304	Negative	0.02
123	WALL	PLASTER	B	INTACT	WHITE	304	Negative	0.08
124	WALL	CONCRETE	A	INTACT	BROWN	304 EXTERIOR	Negative	0

# A & A Environmental, Inc.

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 Phone: (608) 240-1511 • Mobile Phone: (608) 576-4960 • Pager: (608) 275-5377  
 Fax: (608) 635-9717

CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

125	WALL	CONCRETE	D	INTACT	BROWN	304 EXTERIOR	Negative	0.01
126	WALL	CONCRETE	C	INTACT	BROWN	304 EXTERIOR	Negative	0.01
127	LOOVER	METAL	C	INTACT	BROWN	304 EXTERIOR	Negative	0.02
128	FLASHING	METAL	C	INTACT	BROWN	304 EXTERIOR	Negative	0
129	FLASHING	METAL	D	INTACT	BROWN	304 EXTERIOR	Negative	0
130	FLASHING	METAL	A	INTACT	BROWN	304 EXTERIOR	Negative	0
131	WINDOW	METAL	D	INTACT	BROWN	304 EXTERIOR	Negative	0.05
132	DOOR	METAL	A	INTACT	BROWN	308	Negative	0.07
133	WALL	PLASTER	A	INTACT	WHITE	308	Negative	0
134	WALL	PLASTER	B	INTACT	WHITE	308	Negative	0
135	WALL	PLASTER	C	INTACT	WHITE	308	Negative	0
136	WALL	PLASTER	D	INTACT	WHITE	308	Negative	0
137	WALL	PLASTER	A	INTACT	WHITE	306	Negative	0
138	WALL	PLASTER	D	INTACT	WHITE	306	Negative	0
139	WALL	PLASTER	C	INTACT	WHITE	306	Negative	0
140	WALL	PLASTER	C	INTACT	TAN	306	Negative	0
141	WALL	PLASTER	B	INTACT	TAN	306	Negative	0
142	WALL	PLASTER	A	INTACT	TAN	306	Negative	0
143	DOOR	METAL	D	INTACT	BROWN	306	Negative	0.1
144	DOOR	METAL	D	INTACT	BROWN	307	Negative	0.01
145	WALL	PLASTER	A	INTACT	WHITE	307	Negative	0
146	WALL	PLASTER	B	INTACT	WHITE	307	Negative	0
147	WALL	PLASTER	D	INTACT	WHITE	307	Negative	0
148	CEILING	PLASTER		INTACT	GREY	307	Negative	0
149	PARTITION	METAL		INTACT	RED	307	Negative	0.25
150	FLASHING	METAL		INTACT	BROWN	3RD FLR ROOF	Negative	0
151	FLASHING	METAL		INTACT	BROWN	3RD FLR ROOF	Positive	0.9
152	FLASHING	METAL		INTACT	RED	3RD FLR ROOF	Positive	0.8
153	FLASHING	METAL	B	INTACT	RED	3RD FLR ROOF	Positive	1.1
154	FLASHING	METAL	C	INTACT	RED	3RD FLR ROOF	Negative	0.5
155	FLASHING	METAL	C	INTACT	RED	3RD FLR ROOF	Positive	1.2
156	FLASHING	METAL	D	INTACT	RED	3RD FLR ROOF	Positive	1.1

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CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

157	WALL	PLASTER	A	INTACT	WHITE	3RD FLOOR HALL	Negative	0.02
158	WALL	PLASTER	A	INTACT	WHITE	3RD FLOOR HALL	Negative	0.08
159	WALL	PLASTER	B	INTACT	WHITE	3RD FLOOR HALL	Negative	0.02
160	WALL	PLASTER	C	INTACT	WHITE	3RD FLOOR HALL	Negative	0.02
161	WALL	PLASTER	D	INTACT	WHITE	3RD FLOOR HALL	Negative	0.03
162	WALL	PLASTER	D	INTACT	WHITE	309	Negative	0.01
163	WALL	PLASTER	A	INTACT	WHITE	309	Negative	0
164	WALL	PLASTER	B	INTACT	WHITE	309	Negative	0
165	WALL	PLASTER	C	INTACT	WHITE	309	Negative	0
166	DOOR	METAL	C	INTACT	BROWN	309	Negative	0.01
167	DOOR	METAL	C	INTACT	BROWN	312	Negative	0.01
168	WINDOW	METAL	D	INTACT	BROWN	312	Negative	0.07
169	WALL	PLASTER	D	INTACT	WHITE	312	Negative	0.05
170	WALL	PLASTER	A	INTACT	WHITE	312	Negative	0.02
171	WALL	PLASTER	B	INTACT	WHITE	312	Negative	0
172	WALL	PLASTER	C	INTACT	WHITE	312	Negative	0.03
173	WALL	PLASTER	A	INTACT	BROWN	312 EXTERIOR	Negative	0.08
174	WALL	PLASTER	B	INTACT	BROWN	312 EXTERIOR	Negative	0.04
175	WALL	PLASTER	C	INTACT	BROWN	312 EXTERIOR	Negative	0.01
176	FLASHING	METAL	C	INTACT	BROWN	312 EXTERIOR	Negative	0.05
177	FLASHING	METAL	B	INTACT	BROWN	312 EXTERIOR	Negative	0.08
178	FLASHING	METAL	A	INTACT	BROWN	312 EXTERIOR	Negative	0.09
179	DOOR	METAL	A	INTACT	BROWN	310	Negative	0.01
180	WALL	PLASTER	A	INTACT	WHITE	310	Negative	0
181	WALL	PLASTER	B	INTACT	WHITE	310	Negative	0
182	WALL	PLASTER	C	INTACT	WHITE	310	Negative	0
183	WALL	PLASTER	D	INTACT	WHITE	310	Negative	0
184	WINDOW	METAL	D	INTACT	BROWN	310	Negative	0.02
185	WALL	CONCRETE	A	INTACT	BROWN	310 EXTERIOR	Negative	0.04
186	WALL	CONCRETE	B	INTACT	BROWN	310 EXTERIOR	Negative	0.07
187	WALL	CONCRETE	C	INTACT	BROWN	310 EXTERIOR	Negative	0.05
188	FLASHING	METAL	C	INTACT	BROWN	310 EXTERIOR	Negative	0.08

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CLIENT:	Madison Fire Department	AA ENV #:	
LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

189	FLASHING	METAL	B	INTACT	BROWN	310 EXTERIOR	Negative	0.04
190	FLASHING	METAL	A	INTACT	BROWN	310 EXTERIOR	Negative	0.12
191	DOOR	METAL	A	INTACT	BROWN	311	Negative	0.01
192	WALL	PLASTER	A	INTACT	WHITE	311	Negative	0.03
193	WALL	PLASTER	B	INTACT	WHITE	311	Negative	0.01
194	WALL	PLASTER	C	INTACT	WHITE	311	Negative	0.01
195	WALL	PLASTER	D	INTACT	WHITE	311	Negative	0.01
196	CEILING	PLASTER		INTACT	WHITE	311	Negative	0.01
197	DOOR	METAL	B	INTACT	BROWN	317	Negative	0.03
198	WALL	CONCRETE	A	INTACT	WHITE	317	Negative	0
199	WALL	CONCRETE	B	INTACT	WHITE	317	Negative	0
200	WALL	PLASTER	C	INTACT	WHITE	317	Negative	0
201	WALL	PLASTER	D	INTACT	WHITE	317	Negative	0
202	FLASHING	PLASTER	A	INTACT	WHITE	2ND FLR ROOF	Negative	0.06
203	FLASHING	METAL	A	INTACT	BROWN	2ND FLR ROOF	Negative	0.05
204	FLASHING	METAL	B	INTACT	BROWN	2ND FLR ROOF	Negative	0.05
205	FLASHING	METAL	C	INTACT	BROWN	2ND FLR ROOF	Negative	0.05
206	FLASHING	METAL	D	INTACT	BROWN	2ND FLR ROOF	Negative	0.07
207	DOOR	METAL	D	INTACT	BROWN	2ND FLR ROOF	Negative	0.05
208	WALL	CONCRETE	A	INTACT	BROWN	2ND FLR ROOF	Negative	0.05
209	WALL	CONCRETE	A	INTACT	BROWN	2ND FLR ROOF TOWER	Negative	0.04
210	WALL	CONCRETE	B	INTACT	BROWN	2ND FLR ROOF TOWER	Negative	0.07
211	WALL	CONCRETE	C	INTACT	BROWN	2ND FLR ROOF TOWER	Negative	0.05
212	WALL	CONCRETE	D	INTACT	BROWN	2ND FLR ROOF TOWER	Negative	0.06
213	DOOR	METAL	A	INTACT	BROWN	2ND FLR ROOF TOWER	Negative	0.06
214	DOOR	METAL	C	INTACT	BROWN	2	Negative	0.02
215	WALL	CONCRETE	C	INTACT	WHITE	2	Positive	2.8
216	WALL	CONCRETE	D	INTACT	WHITE	2	Negative	0
217	WALL	CONCRETE	C	INTACT	WHITE	2	Negative	0

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LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

218	WALL	CONCRETE	B	INTACT	WHITE	2	Negative	0
219	WALL	CONCRETE	A	INTACT	WHITE	2	Negative	0
220	WALL	CONCRETE	A	INTACT	WHITE	2	Negative	0
221	WALL	METAL	C	INTACT	WHITE	2	Negative	0
222	WALL	CONCRETE	A	INTACT	GREY	BASEMENT HALLWAY	Negative	0
223	WALL	CONCRETE	B	INTACT	GREY	BASEMENT HALLWAY	Negative	0
224	WALL	CONCRETE	D	INTACT	GREY	BASEMENT HALLWAY	Negative	0
225	WALL	CONCRETE	C	INTACT	GREY	BASEMENT HALLWAY	Negative	0
226	DOOR	METAL	B	INTACT	BROWN	3	Negative	0.07
227	DOOR	METAL	B	INTACT	BROWN	1	Negative	0.06
228	DOOR	METAL	C	INTACT	BROWN	1	Negative	0.07
229	DOOR	METAL	C	INTACT	BROWN	1	Negative	0
230	WALL	CONCRETE	B	INTACT	BROWN	1 STAIRWELL	Negative	0
231	WALL	CONCRETE	D	INTACT	BROWN	1 STAIRWELL	Negative	0.01
232				CAL			Positive	1.3
233				CAL			Positive	1.1
234				CAL			Positive	1.1
235	WALL	CONCRETE	A	INTACT	GREY	210	Negative	0
236	WALL	CONCRETE	B	INTACT	GREY	210	Negative	0
237	WALL	PLASTER	C	INTACT	GREY	210	Negative	0
238	WALL	PLASTER	A	INTACT	GREY	209	Negative	0
239	WALL	PLASTER	B	INTACT	GREY	209	Negative	0
240	WALL	PLASTER	C	INTACT	GREY	209	Negative	0
241	WALL	CONCRETE	D	INTACT	GREY	209	Negative	0
242	DOOR	METAL	A	INTACT	BROWN	209	Negative	0.01
243	DOOR	METAL	C	INTACT	BROWN	209	Negative	0.03
244	DOOR	METAL	D	INTACT	BROWN	207	Negative	0.01
245	WALL	CONCRETE	A	INTACT	BROWN/GREY	207	Negative	0
246	WALL	CONCRETE	B	INTACT	BROWN/GREY	207	Negative	0
247	WALL	CONCRETE	C	INTACT	BROWN/GREY	207	Negative	0

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LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

248	WALL	CONCRETE	D	INTACT	BROWN/GREY	207	Negative	0.01
249	WALL	PLASTER	D	INTACT	BROWN/GREY	208	Negative	0.01
250	WALL	CONCRETE	B	INTACT	BROWN/GREY	208	Negative	0
251	DOOR	CONCRETE	A	INTACT	BROWN	208	Negative	0
252	WALL	CONCRETE	A	INTACT	GRY	206	Negative	0
253	WALL	CONCRETE	C	INTACT	GRY	206	Negative	0
254	WALL	CONCRETE	D	INTACT	GRY	206	Negative	0
255	DOOR	METAL	D	INTACT	BROWN	206	Negative	0
256	WALL	PLASTER	A	INTACT	GREY	205	Negative	0
257	WALL	CONCRETE	B	INTACT	GREY	205	Negative	0.01
258	WALL	CONCRETE	D	INTACT	GREY	205	Negative	0.08
259	WALL	PLASTER	C	INTACT	GREY	205	Negative	0
260	WALL	PLASTER	A	INTACT	GREY	203	Negative	0
261	WALL	PLASTER	B	INTACT	GREY	203	Negative	0.07
262	WALL	PLASTER	C	INTACT	GREY	203	Negative	0.04
263	WALL	PLASTER	D	INTACT	GREY	203	Negative	0.02
264	CEILING	PLASTER		INTACT	GREY	203	Negative	0.02
265	CEILING	PLASTER		INTACT	GREY	203	Negative	0.01
266	WALL	CONCRETE	A	INTACT	WHITE	204	Negative	0.06
267	WALL	CONCRETE	A	INTACT	WHITE	204	Negative	0
268	WALL	CONCRETE	B	INTACT	WHITE	204	Negative	0
269	WALL	CONCRETE	C	INTACT	WHITE	204	Negative	0
270	WALL	CONCRETE	D	INTACT	WHITE	204	Negative	0
271	DOOR	METAL	D	INTACT	BROWN	204	Negative	0.03
272	WALL	CONCRETE	A	INTACT	TAN	201	Negative	0
273	WALL	CONCRETE	B	INTACT	TAN	201	Negative	0
274	WALL	CONCRETE	C	INTACT	TAN	201	Negative	0.01
275	WALL	CONCRETE	D	INTACT	TAN	201	Negative	0.01
276	CEILING	PLASTER		INTACT	WHITE	104	Negative	0
277	DOOR	METAL	A	INTACT	WHITE	104	Negative	0.03
278	DOOR	METAL	A	INTACT	BROWN	104	Negative	0.03
279	DOOR	METAL	C	INTACT	BROWN	104	Negative	0.05

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LOCATION:	315 E. Dayton	SITE DATE	8/21/14
SAMPLE TYPE:	Paint	INSPECTOR	Kim Sopha

280	DOOR	METAL	C	INTACT	BROWN	104	Negative	0
281	DOOR	METAL	C	INTACT	BROWN	EXTERIOR	Positive	1.2
282	DOOR	METAL	C	INTACT	BROWN	EXTERIOR	Positive	1.2
283	DOOR	METAL	C	INTACT	BROWN	EXTERIOR	Negative	0
284	DOOR	METAL	C	INTACT	BROWN	EXTERIOR	Negative	0.08
	ANGLE							
285	IRON	METAL	C	INTACT	BROWN	EXTERIOR	Positive	1.2
286	CEILING	PLASTER		INTACT	WHITE	EXTERIOR	Negative	0
287	DOOR	METAL	A	INTACT	BROWN	EXTERIOR	Negative	0
	ANGLE							
288	IRON	METAL	A	INTACT	BROWN	EXTERIOR	Positive	1.7
289	FLOOR			INTACT	GREY	EXTERIOR	Negative	0
290			CAL				Positive	1.1
291			CAL				Positive	1
292			CAL				Positive	1



**SECTION 02 82 13**  
**ASBESTOS ABATEMENT**  
**BASED ON DFD MASTER SPECIFICATION DATED 7/15/05(Rev10/1/2012)**

**PART 1 - GENERAL**

**SCOPE**

Perform all operations in connection with asbestos abatement, encapsulation, removal and related work as shown on drawings and/or specified herein.

**PART 1 - GENERAL**

Related work  
Description of Work  
References  
Qualifications  
Definitions  
Submittals and Notices  
Site Security  
Emergency Planning  
Preconstruction Meeting  
Delivery, Storage and Handling

**PART 2- PRODUCTS**

Materials  
Equipment

**PART 3 - EXECUTION**

General Compliance Measures  
Preparations of Regulated Area  
Decontamination Enclosure System  
Temporary Isolation Partitions  
Maintenance of Enclosure System  
Workplace Entry and Exit Procedures  
Waste Container Pass-Out Procedure  
Water Collection and disposal  
Wet Removal Procedure  
Ceiling System Removal  
Pipe Tunnel or Crawl Space Removal Work  
Flooring Removal  
Small Scale - Short Duration Removal Procedure  
Encapsulation Procedures  
Enclosure Procedure  
Air Monitoring  
Cleanup Procedure  
Disposal Procedures  
Reestablishment of Regulated Area

**RELATED WORK**

See City of Madison Special Provisions, Section D of the contract documents.

**DESCRIPTION OF WORK;**

Removal; The Contractor shall remove all asbestos related items as noted in the contract documents. In the event additional items ore quantities are found in the field the contractor shall notify the City Project Manager immediately and items shall also be removed under the contract.

Encapsulation; this section not used

Enclosure; this section not used

Special Precautions:

Coordinate with the City Project manager and A&A Environmental for the shutdown of boilers and winterization of the structure prior to removing asbestos related items associated with operation of the boiler system

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Contractor is responsible for Electrical work and permit as needed

Restoration: Refer to section 107.2 of the Special Provisions, Section D of the contract documents.

**REFERENCES**

General Reference:

All work under this contract shall be done in strict accordance with all applicable General and State regulations, standards and codes governing asbestos abatement and any other trade work done in conjunction with the abatement.

The most recent edition of any relevant regulation in force at the time of bid opening shall be in effect. Where conflict among the laws, rules, and regulations or with these specifications exists the most stringent requirements shall be utilized.

The Contractor shall make available, in the clean change area of the worker decontamination system, copies of this specification and all standards, regulations, and codes listed hereinafter.

Specific Reference:

Occupational Safety and Health Administration (OSHA):

Title 29 Code of Federal Regulations, Section 1910.134(d) - air Quality.

Title 29 Code of Federal Regulations, Section 1926.1101- Construction Industry, including the mandatory appendices;

Appendix A - OSHA Reference Method.

Appendix C - Qualitative and Quantitative Fit Testing Procedures.

Appendix D - Medical Questionnaires.

Appendix E - Interpretation and Classification of Chest Roentgenograms.

Nonmandatory appendices:

Appendix B - Detailed Procedures for Asbestos, Tremolite, Anthrophyllite, and Actinolite Sampling and Analysis.

Appendix F - Work Practices and Engineering Controls for Major Asbestos Removal, Renovation, and Demolition Operations.

Appendix G - Work Practices and Engineering Controls for Small Scale, Short Duration Asbestos Renovation and Maintenance Activities.

Appendix H - Substance Technical Information for Asbestos.

Appendix I - Medical Surveillance Guidelines for Asbestos, Tremolite, Anthrophyllite, and Actinolite.

Title 29 Code of Federal Regulations, Section 1926.59 - Hazard Communication Standard. Requires employers to inform their workers of the hazards of any chemicals used on the project and to train their employees in proper safeguards.

Environmental Protection Agency (EPA): Title 40 Code of Federal Regulations (CFR) Part 763 Subpart G - Asbestos Abatement Projects; worker Protection (effective March 27, 1987).

Hazardous Material Removal – Fire Station 1

1 Environmental Protection Agency (EPA) Title 40 Code of Federal Regulations (CFR) Part 61 -  
2 National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final  
3 Rule effective November 20, 1990.

4  
5 Department of Health Services (H & SS) State of Wisconsin Administrative Rule, Chapter HSS  
6 159, Asbestos Certification and Training.

7  
8 Department of Natural Resources (DNR) State of Wisconsin Administrative Rule, Chapter NR  
9 447, procedures for preventing emissions of particulate asbestos material to outside air, warning  
10 signs and waste disposal of asbestos materials.

11  
12 Compressed Gas Association, Inc., New York, Pamphlet G-7, "Compressed Air for Human  
13 Respiration", and Specification G-7.1 "Commodity Specification for Air".

14  
15 Department of Natural Resources (DNR) State of Wisconsin Administrative Rule Chapter NR  
16 506, Landfill Operations Criteria for Disposal of Asbestos Containing Material.

17  
18

19 **QUALIFICATIONS**

20 The prospective Contractor who is proposed to actually perform the asbestos abatement work, shall  
21 submit to the Architect/Engineer the data hereinafter requested within ten (10) days after Bid Opening.  
22 The proposed asbestos abatement Contractor will be awarded a Contract, only if data submitted is  
23 determined to be favorable in all instances, by the Architect/Engineer, and the prospective Contractor  
24 further meets the qualifications requirements specified in the Instructions to Bidders.

25

26 The proposed asbestos abatement Contractor shall, if requested:

27

28 Demonstrate prior experience on asbestos abatement projects of similar nature and scope of that  
29 being bid, through the submission of letters of reference from building owners including the  
30 name, address, and telephone numbers of the contact persons who are specifically familiar with  
31 the referenced projects. At least three previous users of this service shall be submitted. Include  
32 descriptions of projects and records of all air monitoring data that was generated during the  
33 projects.

34

35 Submit a description of all major Asbestos Abatement Equipment owned by the prospective  
36 Contractor which is available for use on this project such as:

37

38 Respiratory protection equipment.

39

40 HEPA vacuum equipment.

41

42 Negative air pressure equipment.

43

44 Spray equipment for amended water.

45

46 Equipment used for shower facilities in decontamination enclosure system.

47

48 Submit a list of names, work responsibilities and evidence of certification for all employees that  
49 will be assigned to this project:

50

51 At least one firm principal, the firm's "competent person" and any other personnel  
52 performing supervisory duties must be certified by the Wisconsin Department of Health  
53 Services as having successfully completed a comprehensive 5-day course for Asbestos  
54 Abatement Contractors and Supervisors in conformance with Wisconsin Administrative  
55 Code DHS 159.

56

57 Contractor's employees who perform asbestos abatement activities must be certified by  
58 the Wisconsin Department of Health Services as having successfully completed a

## Hazardous Material Removal – Fire Station 1

1 comprehensive 4-day course for Asbestos Abatement Workers in conformance with  
2 Wisconsin Administrative Code DHS 159.

**DEFINITIONS**

3  
4  
5 ACGIH: American Conference of Governmental Industrial Hygienists

6  
7 AIHA: American Industrial Hygiene Association

8  
9 Air Monitoring: The process of measuring the fiber content of a known volume of air collected during a  
10 specific period of time shall conform with Appendix A to OSHA 29 CFR 1926.1101. The procedure  
11 normally utilized for asbestos follows the NIOSH Standard Analytical Method 7400 for Asbestos in Air.  
12 For clearance air monitoring, electron microscopy methods may be utilized for lower detectability limit  
13 and specific fiber identification.

14  
15 Air Sampling Professional: The Professional contracted or employed by the Division to supervise and  
16 conduct air monitoring and analysis schemes. This individual shall not be affiliated in any way other than  
17 through this contact with the Contractor performing the abatement work.

18  
19 ANSI: American National standards Institute

20  
21 Asbestos: Means the asbestiform varieties of chrysotile (serpentine); crocidolite (riebeckite); amosite  
22 (cumingtonite-grunerite); tremolite; anthrophyllite, and actinolite.

23  
24 Asbestos Containing Material (ACM): Material composed of asbestos of any type and in an amount  
25 greater than 1%, either alone or mixed with other fibrous or nonfibrous materials.

26  
27 Asbestos Containing Waste Material: Asbestos containing material or asbestos contaminated objects  
28 requiring disposal.

29  
30 ASTM: American Society for Testing and Materials

31  
32 Authorized Visitor: The Building Owner (and designated representatives) and any representative of a  
33 regulatory agency having jurisdiction over the project.

34  
35 Certified Industrial Hygienist (CIH): An industrial hygienist certified in Comprehensive Practice by the  
36 American Board of Industrial Hygiene.

37  
38 Competent Person: Means an employee of the asbestos abatement contractor who is capable of  
39 identifying existing asbestos hazards in the workplace and who has the authority to take prompt corrective  
40 measures to eliminate them pursuant to OSHA 1926.1101(b).

41  
42 Decontamination Enclosure: A decontamination system consisting of a clean room, a shower room, and  
43 an equipment room separated from each other and from the regulated area by airlocks. This system is  
44 used for all workers to enter and exit the regulated area and may also serve as equipment and waste pass  
45 out on small jobs.

46  
47 Department of Natural Resources (DNR): A Wisconsin state agency that is responsible for enforcement  
48 of Chapter NR 447.

49  
50 Encapsulation: The application of a bridging or penetrating liquid material to asbestos containing  
51 materials to control the release of asbestos fibers into the air. The bridging liquid material creates a  
52 membrane over the surface and the penetrating liquid material seeps through the surface and binds all  
53 components together.

54  
55 Enclosure: The construction of an airtight, impermeable, permanent barrier around asbestos containing  
56 material to control the release of asbestos fibers into the air.

57  
58 EPA: U. S. Environmental Protection Agency

59  
60 Glovebag Technique: A method with limited applications for removing small amounts of friable  
61 asbestos-containing material from ducts, short piping runs, valves, joints, elbows, and other nonplanar  
62 surfaces in a noncontained (plasticized) regulated area. The glovebag is constructed and installed in such

1 a manner that it surrounds the object or material to be removed and contains all asbestos fibers released  
2 during the process.

3  
4 HEPA Filter: A high efficiency particulate air filter capable of removing particles 0.3 microns in  
5 diameter with 99.97% efficiency.

6  
7 HEPA Vacuum: A vacuum system equipped with HEPA filtration.

8  
9 NESHAPS National Emission Standards for Hazardous Air Pollutants

10  
11 OSHA: The Occupational Safety and Health Administration

12  
13 Permissible Exposure Limits (PELS): No personnel associated with asbestos abatement work shall be  
14 exposed to an airborne concentration of asbestos in excess of the following limits, as determined by the  
15 method prescribed in Appendix A to OSHA 29 CFR 1926.1101, or by an equivalent method:

16  
17 P.E.L. is 0.1 fiber per cubic centimeter of air as an eight (8) - hour time-weighted average.

18  
19 Excursion Limit (EL) 1.0 fiber per cubic centimeter of air as averaged over a sampling period of  
20 thirty (30) minutes.

21  
22 Regulated Area: An area identified by specific boundaries where airborne concentrations of asbestos  
23 exceed, or can reasonably be expected to exceed the P.E.L. and/or Excursion Limit. The regulated area  
24 may take the form of:

25  
26 A temporary negative-pressure enclosure, or

27  
28 An area specifically identified and segregated in any manner that minimizes the number of  
29 employees exposed to asbestos.

30  
31 Surfactant: A chemical wetting agent added to water to improve penetration.

32  
33 Visible Emissions: Any emissions containing particulate asbestos material that is visually detectable  
34 without the aid of instruments. This does not include condensed uncombined water vapor.

35  
36 Wet Cleaning: The process of eliminating asbestos contamination from building surfaces and objects by  
37 using cloths, mops, or other cleaning utensils which have been dampened with water and afterwards  
38 thoroughly decontaminated or disposed of as asbestos contaminated waste.

39  
40 **SUBMITTALS AND NOTICES**

41  
42 The Contractor shall submit a completed Asbestos/Lead Abatement Certification (Form #DOA-4509) no  
43 later than the end of the seventh calendar day after the bid opening date.

44  
45 Prior to Commencement of Work, Contractor shall:

46  
47 File a "Notification of Demolition and/or Renovation Form 4500-113" with the parties named  
48 hereinafter, when required, at least 10 working days prior to commencement of demolition or  
49 renovation project involving any asbestos-containing material.

50  
51  
52 Air Management Asbestos Coordinator  
53 Department of Natural Resources  
54 P.O. Box 7921  
55 Madison WI 53707-7921

56  
57 File a "Asbestos Project Notification Form 00041" with the parties named hereinafter, when  
58 required, at least 2 working days prior to commencement of renovation project involving any  
59 asbestos-containing material.

60  
61 Department of Health Services

1 Asbestos/Lead Section, Room 137  
2 P.O Box 2659  
3 Madison, WI 53701-2659  
4

5 Submit the following documentation attached to completed form DOA-4523 prior to commencing work:

6  
7 Manufacturer's information and MSDS for the mastic remover that the Contractor intends to use  
8 for floor tile mastic removal. Mastic remover shall be low odor and shall not contain known  
9 carcinogens.

10  
11 A copy of the asbestos training certification card issued by Wisconsin Department of Health and  
12 Family Services pursuant to DHS 159 for all Contractor employees that will be working on the  
13 project.  
14

15 Submit the following documentation at completion of the work:

16  
17 Copies of all completed "Transportation and Disposal Manifest" forms for all asbestos waste  
18 materials removed from the regulated area during the abatement process.  
19

20 Project Log per DHS 159.21(2)

21  
22 Occupant Protection Plan per DHS 159.21(3).  
23

24 During Abatement Activities, Contractor shall submit to the Owners Project Representative, if requested:

25  
26 Shop drawings for layout and construction of decontamination enclosure systems and barriers for  
27 isolation of the regulated area as detailed in this specification and required by applicable  
28 regulations. If work is to be phased, a phasing schedule shall also be submitted.  
29

30 Weekly (or as required) job progress reports detailing abatement activities. Include review of  
31 major problems and action taken, injury reports, equipment breakdown.  
32 Logs documenting filter changes on respirators, HEPA vacuums, negative pressure ventilation  
33 units, local exhaust ventilation systems, and other engineering controls.  
34

35 Results of bulk material analysis and air sampling data collected during the course of the  
36 abatement including OSHA compliance air monitoring results.  
37

38 Results of materials testing conducted during the abatement for purposes of utilization during  
39 abatement activities (e. g., testing of encapsulant for depth of penetration, testing of materials for  
40 adherence to encapsulated surfaces).  
41

42 Contractor shall post at the entrance to the regulated area a list containing the names, addresses,  
43 and telephone numbers of the Contractor, Fire Department and any other personnel who may be  
44 required to be contracted during abatement activities.  
45

#### 46 **SITE SECURITY**

47 Contractor shall be responsible for the security of the regulated area(s) during abatement operations in  
48 order to protect work efforts and equipment.  
49

50 The regulated area shall be restricted to only authorized, trained, and protected personnel. These may  
51 include the Contractor's employees, employees of subcontractors, state representatives, and any other  
52 designated individuals. A list of authorized personnel shall be established prior to job start and posted in  
53 the clean room of the decontamination facility.  
54

55 Contractor shall immediately decontaminate (if required) and evict any unauthorized individual entering  
56 the regulated area and notify the Construction Representative of action taken and identity of the  
57 unauthorized individual.  
58

59 A log book shall be maintained in the clean room area of the decontamination system. Anyone who  
60 enters the regulated area must record name, affiliation, time in, and time out for each entry.

1  
2 Access to the regulated area shall be through a single decontamination system located where shown on  
3 approved Shop Drawings. All other means of access (doors, windows, hallways, etc.) shall be blocked or  
4 locked so as to prevent entry to or exit from the regulated area. The only exceptions to this rule are the  
5 waste pass-out air lock which shall be sealed except during the removal of containerized asbestos waste  
6 from the regulated area, and emergency exits in case of fire or accident. Emergency exits shall not be  
7 locked from the inside, however, they shall be sealed with polyethylene sheeting and tape until needed.

8  
9  
10 **EMERGENCY PLANNING**

11 Written emergency plan shall be submitted through the Owners Project Representative and approved by  
12 the Architect/Engineer prior to the initiation of abatement activities.

13  
14 Emergency procedures shall be in written form and prominently posted in the clean change area and  
15 equipment room of the worker decontamination area. Everyone prior to entering the regulated area must  
16 read and sign these procedures to acknowledge receipt and understanding of work site layout, location of  
17 emergency exits and emergency procedures.

18  
19 Emergency planning shall include notification of police, fire and emergency medical personnel of planned  
20 abatement activities, work schedule and layout of regulated area, particularly barriers that may affect  
21 response capabilities.

22  
23 Emergency planning shall include considerations of fire, explosion, toxic atmospheres, electrical hazards,  
24 slips, trips and falls, confined spaces and heat related injury. Written procedures shall be developed and  
25 employee training in procedures shall be provided.

26  
27 Employees shall be trained in evacuation procedures in the event of workplace emergencies under the  
28 following conditions:

29  
30 For non-lifethreatening situations, employees injured or otherwise incapacitated shall  
31 decontaminate following normal procedures with assistance from fellow workers if necessary,  
32 before exiting the workplace to obtain proper medical treatment.

33  
34 For life-threatening injury or illness, worker decontamination shall take least priority, after  
35 measures to stabilize the injured worker, remove the worker from the workplace and secure  
36 proper medical treatment.

37  
38 Telephone numbers of all emergency response personnel shall be prominently posted in the clean change  
39 area and equipment room, along with the location of the nearest telephone.

40  
41 **PRECONSTRUCTION MEETING**

42 The Contractor shall attend a preconstruction meeting to be conducted at a time and place designated by  
43 the Owners Project Representative. All parties having an active role in asbestos abatement will be in  
44 attendance.

45  
46 The Contractor, Contractor's competent person and other supervisory personnel who will provide on-site  
47 direction of the abatement activities must attend.

48  
49 At this meeting the Contractor shall provide all documentation as required by Article entitled:  
50 "Submittals and Notices," herein. In addition, the Contractor shall be prepared to provide detailed  
51 information concerning:

52  
53 Preparation of regulated area.

54  
55 Personal protective equipment including respiratory protection and protective clothing.  
56

- 1 Employees who will participate in the project, including delineation of experience, training,  
2 certification, and assigned responsibilities during the project.  
3  
4 Decontamination procedures for personnel, regulated area and equipment.  
5  
6 Abatement methods and procedures to be utilized.  
7  
8 Required air monitoring procedures.  
9  
10 Procedures for handling and disposing of waste materials.  
11  
12 Procedures for final decontamination and cleanup.  
13  
14 A sequence of work and performance schedule.  
15  
16 Procedures for dealing with heat stress.  
17  
18 Emergency procedures.  
19  
20 Methods of adhering plastic sheeting to the surfaces to be covered.

21  
22 **DELIVERY, STORAGE AND HANDLING**

23 Deliver all materials in the original packages, containers or bundles bearing the name of the manufacturer  
24 and the brand name.

25  
26 Damaged, deteriorating or previously used materials shall not be used and shall be removed from the  
27 work site and disposed of properly.

28  
29  
30 **PART 2 - PRODUCTS**

31  
32 **MATERIALS**

33 Polyethylene sheeting for walls and stationary objects shall be a minimum of four (4) mil thick. For  
34 floors and all other uses sheeting of at least six (6) mil thickness shall be used in widths selected to  
35 minimize the frequency of joints.

36  
37 Polyethylene sheeting utilized for decontamination enclosure shall be opaque white or black in color.

38  
39 Flame retardant polyethylene sheeting shall be utilized when working near heat sources.

40  
41 Hardboard or plywood, minimum 1/4 inch thick shall be furnished to protect finished floor surfaces such  
42 as carpet or hardwood floors to prevent damage from scaffolds or falling objects. Such protection shall  
43 also be provided for polyethylene sheeting under the scaffold area if the material being removed has sharp  
44 projections which could readily puncture the enclosure material.

45  
46 Disposal bags shall be of six (6) mil polyethylene, preprinted with labels as required by OSHA  
47 Requirement 29 CFR 1926.1101 (k) (8).

48  
49 Disposal drums for transporting disposal bags shall be metal or fiberboard with locking ring tops.

50  
51 Stick-on labels as per EPA, OSHA or DNR requirements for disposal containers.

52  
53 Surfactant (Wetting Agent):

54  
55 For use with materials containing asbestos identified as "Amosite", shall be a 50/50 mixture of  
56 polyoxyethylene ether and polyoxyethylene ester, mixed in a proportion of one (1) fluid ounce to  
57 five (5) gallons of water or as specified by manufacturer.  
58



## Hazardous Material Removal – Fire Station 1

For all materials containing asbestos identified as "chrysotile", "crocidolite", or types other than Amosite, shall consist of soapy water mixed in a proportion of two (2) fluid ounces of liquid soap to five (5) gallons of water.

Where regulated area temperature may cause freezing of the amended water solution, the addition of ethylene glycol in amounts sufficient to prevent freezing is permitted.

Asbestos Removal Encapsulant (substitute for surfactant): In lieu of using a wetting agent in water to control airborne fibers, and asbestos removal encapsulant may be used. Products that meet these needs are: Serpiflex Shield manufactured by International Protective Coatings Carol 725 Carol Ave., Ocean, NJ 07710; and BWE 5000, by Better Working Environments, Inc., 3716 Scripps Way, Las Vegas, NV 89103; or an approved equal.

## Encapsulating Material:

Bridging type encapsulant (for sealing masonry and concrete walls, barrier surfaces during cleanup phase and asbestos containing surfaces to remain in place) shall be capable of being applied with airless spray equipment, able to withstand light impact or abrasion without releasing fibers, water insoluble when cured, and must retain sufficient integrity after six (6) years to allow recoating. Products that meet these requirements are: Cable Coating No. 2B by American Coating Corporation and Decadix Fire Check by Pentagon Plastics.

Penetrating type encapsulant (for sealing scratch coat plaster, wood grounds and wood blocking which have been in contact with asbestos containing material and also exposed ends of pipe insulation) shall not be noxious or toxic to applicator or subsequent occupants, shall have high flame retardance and low toxic fume and smoke emission ratings, shall have some permeability to water vapor to prevent condensation accumulation. Acceptable products are Cafco-Bond-Seal by U.S.I Mineral, Protector Sealant (32-20 and 32-21) by H.B. Fuller Co., and SK-13 Emulsion by National Cellulose.

**EQUIPMENT**

## Negative Pressure Ventilation Units:

A sufficient quantity of negative pressure ventilation units equipped with HEPA filtration and operated in accordance with ANSI Z9.2-79 (local exhaust ventilation requirements) and EPA guidance document EPA 560/5-83-002 Guidance for Controlling Friable Asbestos-Containing Material in Buildings Appendix F: Recommended Specifications and Operating Procedures for the Use of Negative Pressure Systems for Asbestos Abatement shall be utilized so as to provide one workplace air change every 15 minutes.

To calculate total air flow requirement:

$$\text{Total Ft}^3/\text{Min.} = \frac{\text{Volume of Regulated area (in Ft}^3\text{)}}{15 \text{ Min.}}$$

To calculate the number of units needed for the abatement:

$$\text{Number of Units Needed} = \frac{\text{Total Ft}^3/\text{Min.}}{0.75(\text{Capacity of Unit in Ft}^3/\text{Min.})}$$

The air filtering equipment shall be capable of filtering asbestos fibers at 0.3 um at 99.9 percent efficiency. Prefilters, which protect the final filter by removing the larger particles, are required to prolong the operating life of the HEPA filter. Two stages of prefiltration are required. The first-stage prefilter shall be a low efficiency type (e.g., for particles 10 um and larger). The second-stage (or intermediate) filter shall have a medium efficiency (e.g., effective for particles down to 5 um). Prefilters and intermediate filters shall be installed either on or in the intake grid of the unit and held in place with special housings or clamps.

Exhaust air from the regulated area shall maintain a negative pressure of 0.02 inches of water (head). The ventilation shall operate on a 24 hours basis throughout the abatement process until final clearance has been approved.

## Air Purifying Respirators:

## Hazardous Material Removal – Fire Station 1

1 Respirator bodies shall be of half face or full face type with removable cartridges. Single use,  
2 disposable or quarter face respirators shall not be used. Full face respirators shall be equipped  
3 with a nose cup or other anti fogging devices as would be appropriate for use in air temperatures  
4 less than 32 degrees F.

5  
6 Filter cartridges shall, at a minimum, be HEPA type filters certified by NIOSH under 30 CFR  
7 Part 11 or with filters certified for particulates under 42 CFR Part 84.

8  
9 Supplied Air Respirator System:

10  
11 The equipment used shall be capable of producing air of the quality and volume required by  
12 OSHA Standard (29 CFR 1910) Section 1910.134 and Compressed Gas Association, Inc., New  
13 York, Pamphlet G-7, "Compressed Air for Human Respiration", and Specification G-7.1  
14 "Commodity Specification for Air", applied to the job site conditions and crew size. The  
15 standards above shall be augmented by provisions of this specification with the more stringent  
16 standard governing.

17  
18 Face piece and hose shall be by same manufacturer and shall be certified by NIOSH/MSHA as an  
19 approved Type "C" respirator assembly for continuous flow or pressure demand with a positive  
20 pressure face piece.

21  
22 Backup air supply shall be provided that is adequate to allow a minimum of one-half hour escape  
23 time for each six man crew. The one-half hour shall be based upon all connections to the backup  
24 air supply being in use by an average sized adult male engaged in moderately strenuous activity  
25 or by the air requirements of the particular respirator in use is greater.

26  
27 Warning device shall be located in the regulated area which will be clearly audible in all parts of  
28 the regulated area and can be heard above the noise level produced by equipment and work  
29 procedures in use. This warning device shall warn of:

30  
31 Compressor shutdown or other fault requiring use of backup air supply.

32  
33 Carbon Monoxide (CO) levels in excess of 50 PPM/V over 8 hours.

34  
35 Carbon Monoxide (C)) levels shall be continually monitored and recorded. This monitor shall be  
36 placed in the air line between backup air supply and workers and shall also sound an alarm as  
37 specified under "Warning Devices".

38  
39 The compressor shall automatically be shutdown and the alarms sounded if any of the following  
40 occur:

41  
42 Carbon Monoxide (CO) concentrations exceed 500 PPM/V in the air line between the  
43 filter bank and backup air supply.

44  
45 Compressor temperature exceeds normal operating range.

46  
47 Compressor motor shall be an electric motor. Compressors driven by gas or diesel engines shall  
48 not be used.

49  
50 An after cooler shall be provided at the entry to the filter system which is capable of reducing  
51 temperatures to outside ambient air temperatures.

52  
53 System configuration shall permit the recharging of 1/2 hours 2260 PSI SCBA cylinders.

54  
55 Compressed air systems shall be designed to provide air volumes and pressures to accommodate  
56 respirator manufacturer's specifications. The compressed air systems shall have a receiver of adequate  
57 capacity to allow escape of all respirator wearers from contaminated areas in the event of compressor

1 failure. Compressors must meet the requirements of 29 CFR 1910.134 (d). Compressors must have an  
2 in-line carbon monoxide monitor; periodic inspection of the carbon monoxide monitor must be evidenced.  
3 Documentation of adequacy of compressed air systems/respiratory protection system must be retained on  
4 site. This documentation will include a list of compatible components with the maximum number and  
5 type of respirators that may be used with the system. Periodic testing of compressed air shall insure that  
6 systems provide air of sufficient quality (Grade D breathing air as described in Compressed Gas  
7 Association Commodity Specifications G-7.1).

8  
9 Full body disposable protective clothing, including head, body and foot coverings consisting of material  
10 impenetrable by asbestos fibers (Tyvek<sup>R</sup> or equivalent) shall be provided to all workers and authorized  
11 visitors in sizes adequate to accommodate movement without tearing.

12  
13 Additional safety equipment, such as hard hats meeting the requirements of ANSI Standard Z89.1-1981,  
14 eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the  
15 requirements of ANSI Standard Z41.1-1967, disposable PVC gloves, as necessary, shall be provided to  
16 all workers and authorized visitors.

17  
18 Nonskid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately  
19 sealed to the footwear to prevent body contamination.

20  
21 Provide sufficient supply of disposable mops, rags and sponges for work area decontamination.

22  
23 Provide scaffolds, ladders, lifts and hand tools such as scrapers, wire cutters, brushes, utility knives, wire  
24 saws, as the work requires.

25  
26 Sprayers with pumps capable of providing 14-15 pounds per square inch (psi) at the nozzle tip at a flow  
27 rate of 2 gallons per minute for spraying amended water.

28  
29 Rubber dust pans and rubber squeegees shall be provided for cleanup.

30  
31 Brushes utilized for removing loose asbestos containing material shall have nylon or fiber bristles, not  
32 metal.

33  
34 A sufficient supply of HEPA filtered vacuum systems shall be available during cleanup.

35  
36 Airless spray equipment with an adjustable low pressure nozzle shall be provided for spraying  
37 encapsulants. Nozzle tip size and pressure adjustment shall conform to encapsulant manufacturers written  
38 recommendations.

39  
40 Heavy duty power cables for temporary electrical service and a portable electric generator for maintaining  
41 negative pressure in the work area in case of power failure.

42  
43 Warning Signs and Labels: As required OSHA Regulation 29 CFR 1926.1101(k).

44  
45 Other equipment the Contractor deems necessary for asbestos abatement work shall be submitted to the  
46 Architect/Engineer for approval prior to their use.

47  
48  
49 **PART 3 - EXECUTION**

50  
51 **GENERAL COMPLIANCE MEASURES**

52 Mandatory Protection Conditions: Contractor's employees shall wear appropriate respiratory protection  
53 and protective clothing under the following conditions:

54  
55 During installation or implementation of engineering work practices and control measures.  
56

1 During maintenance and repair activities for which control measures, hereinafter described, are  
2 not feasible.

3  
4 Whenever the control measures are not yet sufficient to reduce exposure below the Permissible  
5 Exposure Limits (TWA and/or Excursion Limits).

6  
7 Whenever emergency conditions exist.

8  
9 Control Measures: The Contractor shall use one or any combination of the following control methods to  
10 achieve compliance with the "Permissible Exposure Limits" defined hereinbefore:

11 Local exhaust ventilation equipped with HEPA filter dust collection systems.

12  
13 General dilution ventilation equipped with HEPA filtration systems on both exhaust and return  
14 air.

15  
16 Vacuum cleaners equipped with HEPA filters.

17  
18 Enclosure or isolation of processes producing airborne asbestos fibers and dust.

19  
20 Use of wet methods, wetting agents or removal encapsulants to control employee exposures  
21 during their performance of asbestos abatement activities. Where wet methods would result in  
22 equipment damage or a safety hazard, dry removal is allowed with written approval from WDNR  
23 pursuant to NR447.08(3)(b).

24  
25 Prompt disposal of wastes contaminated with asbestos in leak-tight containers.

26  
27 Supplement to Control Measures: Whenever the control measures described above are not sufficient to  
28 reduce the employee exposure to or below the "Permissible Exposure Limits" (TWA and/or Excursion  
29 Limit), the Contractor shall continue to use the control measures to maintain the employee exposure to the  
30 lowest levels attainable and supplement them with the use of appropriate respiratory protection and  
31 protective clothing.

32  
33 Negative-Pressure Enclosure: A negative-pressure enclosure shall be employed whenever feasible, prior  
34 to commencing removal, demolition and renovation operations involving asbestos containing materials.

35  
36 Types of Respiratory Protection: The following Table represents the minimum respiratory protection  
37 required for given airborne concentrations of asbestos:  
38  
39

Not in excess of 1 f/cc (10 X PEL)

Required Respirator

1. Half-mask air purifying respirator equipped with high-efficiency filters.

Not in excess of 5 f/cc (50 X PEL)

1. Full faceplate air purifying respirator equipped with high-efficiency filters.

Not in excess of 10 f/cc (100 X PEL)

1. Any powered air purifying respirator equipped with high efficiency filters.

2. Any supplied air respirator operated in continuous flow mode.

Not in excess of 100 f/cc (1000 X PEL)

1. Full face piece supplied air respirator operated in pressure demand mode.

Greater than 100 f/cc (1,000 X PEL)  
or unknown concentration

1. Full face piece supplied air respirator operated in pressure demand mode equipped with an auxiliary positive pressure self-contained breathing apparatus.

1 NOTE: Respirators assigned for higher environmental concentrations may be used at lower  
2 concentrations.

3

4

5

6

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32

A high-efficiency filter means a filter that is at least 99.97 percent efficient against mono-dispersed particles of 0.3 micrometers in diameter or larger.

Employee Rotation: The Contractor shall not use employee rotation as a means of compliance with Permissible Exposure Limits (TWA and/or Excursion Limit).

Supervision: The Contractor shall have a project supervisor on site at all times that only supervises the project and is responsible to assure contract and regulatory compliance.

**PREPARATION OF REGULATED AREA**

Post the following warning signs at all approaches to a regulated area per OSHA 1926.110(k)(7). Signs shall be posted at a distance sufficiently far enough away from the regulated area to permit any person to read the sign and take the necessary protective measures before entering the area marked by the signs.

**DANGER**

**ASBESTOS**

**CANCER AND LUNG DISEASE HAZARD**

**AUTHORIZED PERSONNEL ONLY**

Post the Occupant Protection Plan at the entrance to the regulated area per DHS 159.21(3).

Post at the entrance to the regulated area a list containing the names, addresses and telephone numbers of the Contractor, Fire Department and any other personnel who may be required to be contacted during abatement activities.

Maintain Project Log per DHS 159.21(2).

## Hazardous Material Removal – Fire Station 1

1 Shutdown and lock out all heating, cooling and air conditioning system (HVAC) components that are in,  
2 supply or pass through the regulated area. Appropriate equipment and control measures shall be utilized  
3 to prevent contamination of building spaces. Seal all intake and exhaust vents in the work area with tape  
4 and two layers of 6 mil polyethylene. Also seal any seams in system components that pass through the  
5 regulated area.

6  
7 All electrical circuits to the area in which asbestos abatement work is to take place must be disconnected.  
8 The regulated area and other uncontaminated areas that were dependent on the disconnected electrical  
9 circuits shall be serviced by a temporary electrical service provided by owner. In accordance with the  
10 latest issue of the National Electrical Code, temporary electrical service shall be equipped with  
11 combination ground fault interrupted and circuit breakers meeting the requirements of UL for Class A,  
12 Group 1 devices. The ground fault interrupter portion shall be solid state type, insulated and isolated  
13 from the breaker mechanism. A test mechanism shall provide overload and short circuit protection and  
14 shall be operated by a toggle switch with over-center switching mechanism so that contact cannot be held  
15 closed.

16  
17 Preclean all movable objects within the regulated area using a HEPA filtered vacuum or wet cleaning  
18 methods as appropriate. After cleaning, these objects shall be removed from the regulated area and  
19 carefully stored in an uncontaminated location.

20  
21 Preclean all fixed objects in the regulated area using HEPA filtered vacuums or wet cleaning techniques  
22 as appropriate, if contamination is visibly covering them. Careful attention must be paid to machinery  
23 and behind grills or gratings where access may be difficult but contamination significant. Also pay  
24 particular attention to wall, floor and ceiling penetrations behind fixed items. After precleaning, enclose  
25 fixed objects in four (4) mil polyethylene sheeting and seal securely in place with tape.

26  
27 Preclean all surfaces in the regulated area using HEPA filtered vacuums and/or wet cleaning methods as  
28 appropriate. Do not use any methods that would raise dust such as dry sweeping or vacuuming with  
29 equipment not equipped with HEPA filters. Do not disturb asbestos containing materials during the  
30 precleaning phase.

31  
32 Seal off all windows, doorways, elevator openings, corridors, tunnels, entrances, drains, ducts, grills,  
33 grates, diffusers, skylights and any other openings between the regulated area and uncontaminated areas  
34 outside of the regulated area (including the outside of the building, tunnels and crawl spaces) with four (4)  
35 mil polyethylene sheeting and tape.

36  
37 Wall Covering:

38  
39 Where surfacing materials are being removed from overhead, walls shall be covered with two (2) layers  
40 of four (4) mil polyethylene sheeting, starting at top of wall and extending down and across the floor area  
41 until it meets in the center of the floor. Here the covering sheets shall be taped together to form a  
42 monolithic covering which completely encases the regulated area.

43  
44 Polyethylene sheets shall be sized to minimize seams. Seams shall be staggered and separated by a  
45 distance of at least six (6) feet.

46  
47 Wall sheeting shall be secured adequately to prevent it from falling away from the walls. This may  
48 require additional support/attachment when negative pressure ventilation systems are utilized.

49  
50 Floor Covering:

51  
52 The floor area which has previously been covered with sheeting extended from the walls, shall be covered  
53 with one additional layer of six (6) mil (minimum) sheeting. Provide additional protection such as  
54 plywood, canvas, or extra plastic sheeting for floors requiring special protection such as carpeting,  
55 hardwood flooring and tile floors which may be damaged by water leakage, ladder feet or scaffold  
56 wheels. Additional layers of sheeting may be utilized as drop cloths to aid in cleanup of bulk materials.

1  
2 Polyethylene sheets shall be sized to minimize seams. If the floor area necessitates seams, those on  
3 successive layers of sheeting shall be staggered to reduce the potential for water to penetrate to the  
4 flooring material. A distance of at least six (6) feet between seams is sufficient. Do not locate any  
5 parallel seams at wall/floor joints.

6  
7 Floor sheeting shall extend at least 24" up the side walls of the work area.

8  
9  
10 **DECONTAMINATION ENCLOSURE SYSTEM**

11 A decontamination enclosure system shall be provided at each location where workers will enter or exit a  
12 regulated area.

13  
14 Plans for construction, including materials and layout, shall be submitted as shop drawings and approved  
15 by the Architect/Engineer prior to work initiation. Decontamination enclosure systems constructed at the  
16 work site shall utilize six (6) mil opaque black or white polyethylene sheeting or other acceptable  
17 materials for privacy. Detailed descriptions of portable, prefabricated units, if used, must be submitted  
18 for the Architect/Engineer's approval. Plans must include floor plan with dimensions, materials, size,  
19 thickness, plumbing and electrical utilities.

20  
21 The decontamination enclosure system shall consist of at least a clean room, a shower room, and an  
22 equipment room, each separated from each other and from the regulated area by air locks.

23  
24 Entry to and exit from all airlocks and decontamination enclosure system chambers shall be through  
25 curtained doorways consisting of two sheets of overlapping six (6) mil polyethylene sheeting. The curtain  
26 doorway sheets shall be secured at the top and one side opposite each other. All curtains shall have  
27 weights attached to the bottom to insure that they hang straight and maintain a seal over the doorway  
28 when not in use. Doorway designs, providing equivalent protection and acceptable to the  
29 Architect/Engineer may be utilized.

30  
31 Access between any two rooms in the decontamination enclosure system shall be through an airlock with  
32 at least three (3) feet separating each curtained doorway. Pathways into (from clean to contaminated) and  
33 out from (contaminated to clean) the regulated area shall be clearly designated.

34  
35 Clean room shall be sized to adequately accommodate the work crew. Clean disposable clothing,  
36 replacement filters for respirators, disposable towels and other necessary items shall be provided in  
37 adequate supply at the clean room. A location for postings shall also be provided in this area. Whenever  
38 possible, a lockable door shall be used to permit access into the clean room from outside the regulated  
39 area.

40  
41 Shower room shall contain one or more shower heads as necessary to adequately accommodate workers.  
42 Each shower head shall be supplied with hot and cold water adjustable at the tap. The shower enclosure  
43 shall be constructed to insure against leakage of any kind. An adequate supply of soap and disposable  
44 towels shall be supplied by the Contractor and available at all times. Shower water shall be drained,  
45 collected and filtered as specified in the Article entitled: "Water Collection and Disposal," herein.

46  
47 The equipment room shall be used for storage of equipment and tools at the end of a shift after workers  
48 have been decontaminated using a HEPA filtered vacuum and/or wet cleaning techniques as appropriate.  
49 Replacement filters (in sealed containers until used) for HEPA vacuums and negative pressure ventilation  
50 equipment, extra tools, containers or surfactant and other materials and equipment that may be required  
51 during the abatement may also be stored here as needed. A walk-off pan (a small children's swimming  
52 pool or equivalent filled with water) shall be located in the regulated area just outside the equipment room  
53 for workers to clean off foot coverings after leaving the regulated area and prevent excessive  
54 contamination of the worker decontamination enclosure system. A drum lined with a labeled six (6) mil  
55 polyethylene bag for collection of disposable clothing shall be located in this room. Contaminated rubber  
56 boots or other reusable footwear shall be stored in this area for reuse the following workday.

1  
2 Waste Container Pass-Out Airlock:

3  
4 The waste container pass-out airlock shall be constructed at some location away from the worker  
5 decontamination enclosure system. Wherever possible, this shall be located where there is direct access  
6 from the regulated area to the outside of the building.

7  
8 This airlock system shall consist of an airlock, a container staging area, and another airlock with access to  
9 outside the regulated area.

10  
11 The waste container pass-out airlock shall be constructed in similar fashion to the worker  
12 decontamination enclosure system using similar materials and airlock and curtain doorway designs.

13  
14 This airlock system shall not be used to enter or exit the regulated area. The airlock system shall be  
15 tightly sealed when not in use.

16  
17 Emergency exits shall be established and clearly marked with duct tape arrows or other effective  
18 designations to permit easy location from anywhere within the regulated area. They shall be secured to  
19 prevent access from uncontaminated areas, but still permit emergency exiting. These exits shall be  
20 properly sealed with polyethylene sheeting which can be cut to permit egress if needed. These exits may  
21 be through the decontamination enclosure, the waste pass-out airlock, other alternative exits satisfactory  
22 to fire officials.

23  
24 **TEMPORARY ISOLATION PARTITIONS**

25 Large rooms or open areas that require temporary air tight barriers to separate a contaminated regulated  
26 area from an uncontaminated area shall be provided with temporary partitions, constructed in the  
27 following manner:

28  
29 Walls shall be constructed of wood or metal framing to support barriers in all openings larger than 4' x 8'.

30  
31 A sheathing material (plywood, drywall) of at least 3/8" thickness shall be applied to work side of barrier.

32  
33 Cover the work side of partition with a double layer of four (4) mil polyethylene sheeting with staggered  
34 joints and seal in place.

35  
36 Provide at least one (12" x 12") window in the barrier system, where feasible, for the purpose of viewing  
37 into the regulated area. The window shall consist of heavy gauge plastic or clear safety glass. Panes shall  
38 be framed into the barrier system and completely sealed to prevent any leakage of air through the unit.

39  
40 **MAINTENANCE OF ENCLOSURE SYSTEM**

41 Following completion of the construction of all polyethylene barriers and decontamination system  
42 enclosures, initiate negative pressure system and allow overnight settling to insure that barriers will  
43 remain intact and secured to walls and fixtures before beginning actual abatement activities.

44  
45 All polyethylene barriers and decontamination enclosure systems shall be inspected at least twice daily by  
46 the Contractor's competent person prior to the start of each day's abatement activities and following the  
47 completion of the day's abatement activities. Document inspections and observations in the daily project  
48 log.

49  
50 Damage and defects in the enclosure system are to be repaired immediately upon discovery.

51  
52 Use smoke tubes to test the effectiveness of the barrier system when directed by Owners Project  
53 Representative.

54



1 Anytime during the abatement activities, if visible construction related dust or debris is observed outside  
2 of the regulated area or if damage occurs to barriers, work shall immediately stop, repairs shall be made to  
3 barriers, and debris/residue cleaned up using appropriate HEPA vacuuming and wet mopping procedures.  
4

5 Openings made in the enclosure system to accommodate negative air pressure system shall be made  
6 airtight with tape and caulking as needed. If more than one unit is installed, they should be turned on one  
7 at a time, checking the integrity of wall barriers for secure attachment and need for additional  
8 reinforcement. Insure that adequate power supply is available to satisfy the requirements of the  
9 ventilating and exhaust units. Negative pressure units shall be exhausted to the outside of the building.  
10 They shall not be exhausted into occupied areas of the building. Careful installation and daily inspections  
11 shall be done to insure that the ducting does not release fibers into uncontaminated building areas.  
12

13 Use of enclosure system shall not commence until the following has been accomplished:

14  
15 Enclosure systems have been constructed, inspected, and tested.

16  
17 Negative pressure systems are functioning adequately.  
18

19 All preabatement submissions, notifications, postings and permits have been provided and approved by  
20 the Architect/Engineer, or Construction Representative, as applicable.  
21

22 All equipment for abatement, cleanup and disposal are on hand.  
23

24 All worker training is completed.  
25

26 Contractor has received written notice to commence abatement work from the Division, based on  
27 recommendation of the Owners Project Representative.  
28

### 29 **WORKPLACE ENTRY AND EXIT PROCEDURES**

30 All workers and authorized personnel shall enter the regulated area through the decontamination  
31 enclosure system.  
32

33 All personnel who enter the regulated area must sign the registration log, located in the clean room, both  
34 upon entry and exiting the area.  
35

36 All personnel shall proceed first to the clean room, remove all street clothes, and appropriately don  
37 respiratory protection (as approved for the job conditions) and disposable coveralls, head covering and  
38 foot covering. Hard hats, eye protection and gloves shall also be utilized if required. Clean respirators  
39 and protective clothing shall be provided and utilized by each person for each separate entry into the  
40 regulated area.  
41

42 Personnel wearing designated personal protective equipment shall proceed from the clean room through  
43 the decontamination enclosure system to the regulated area.  
44

45 Before leaving the regulated area all personnel shall remove gross contamination from the outside of  
46 respirators and protective clothing by brushing or wet wiping procedures. (Small HEPA vacuums with  
47 brush attachments may be utilized for this purpose.) Each person shall clean bottoms of protective  
48 footwear in the walk-off pan just prior to entering the equipment room.  
49

50 Personnel shall proceed to equipment room where they remove all protective equipment except  
51 respirators. Deposit disposable clothing into appropriately labeled containers for disposal.  
52

53 Reusable, contaminated footwear shall be stored in the equipment room when not in use in the regulated  
54 area. Upon completion of abatement it shall be disposed of as asbestos contaminated waste. Rubber  
55 boots may be decontaminated at the completion of the abatement for reuse.  
56

## Hazardous Material Removal – Fire Station 1

1 Still wearing respirators, personnel shall proceed to the shower area, clean the outside of the respirators  
2 and the exposed face area under running water prior to removal of respirator and shower and shampoo to  
3 remove residual asbestos contamination. Various types of respirators will require slight modification of  
4 these procedures. An airline respirator with HEPA filtered disconnect protection may be disconnected in  
5 the equipment room and worn into the shower. A powered air purifying respirator face piece will have to  
6 be disconnected from the filter/power pack assembly which is not waterproof, upon entering the shower.  
7 Cartridges must be in place for each new entry into the regulated area.

8  
9 After showering and drying off, proceed to the clean room and don street clothing even though there will  
10 be later reentry into the regulated area or street clothes if it is the end of the work shift.

11  
12 Workers shall NOT eat, drink, smoke, chew gum or tobacco in the regulated area. To eat, drink or smoke,  
13 workers shall follow the procedure described above, then dress in street clothes before entering the  
14 nonregulated areas of the building.

15  
16 These procedures shall be posted in the clean room and equipment room.

**17 WASTE CONTAINER PASS-OUT PROCEDURE**

18 Asbestos contaminated waste that has been containerized shall be transported out of the regulated area  
19 through the waste container pass-out airlock (or through the decontamination enclosure if a separate  
20 airlock has not been constructed).

21  
22  
23 The inside team wearing protective clothing and respirators appropriate for the contaminated regulated  
24 area shall clean the entire surface, including bottoms, of properly labeled bags, using HEPA vacuums and  
25 wet wiping techniques and transport them into the waste container pass-out airlock where they will be  
26 placed into another properly labeled bag. No worker from the inside team shall further exit the regulated  
27 area through this airlock.

28  
29 Workers from outside the regulated area wearing appropriately assigned respirators, shall enter the airlock  
30 from outside the regulated area. No worker from the outside team shall further enter the regulated area  
31 through this airlock.

32  
33 The exit from this airlock shall be secured to prevent unauthorized entry.

**34 WATER COLLECTION AND DISPOSAL**

35 All water resulting from precleaning operation, excess from floor of regulated area and the final cleaning  
36 operation shall be collected and placed in sealed containers for disposal as contaminated material.

37  
38  
39 Water from the decontamination shower shall be collected in a holding tank and filtered to remove  
40 particles of 0.5 microns or larger size before draining water into sanitary sewer system. The drainage and  
41 filtering system shall consist of the following:

42  
43 A centrifugal pump capable of pumping at least 25 gallons/minute.

44  
45 Two filter cartridge housings, one serving as a prefilter, utilizing at least 6 cylindrical 100 micron filters  
46 (reusable type) and the other serving as final filter with 6 cylindrical 0.5 micron filters.

47  
48 Maintain two sets (6 cylinders per set) of 100 micron filters, to allow one set to be cleaned while the other  
49 set is in use.

50  
51 A common garden hose may be connected to final filter housing to drain water to sanitary sewer system.

**52 WET REMOVAL PROCEDURE**

53 Wet all asbestos containing material with an amended water solution, or removal encapsulant, using  
54 equipment capable of providing a fine spray mist, in order to reduce airborne fiber concentrations when  
55 the material is disturbed. Saturate the material to the substrate. Keep all removed material wet to prevent  
56

1 fiber release until it can be containerized for disposal. If regulated area temperatures are below 32°F. and  
2 amended water is subject to freezing, modify as specified for surfactant in Article entitled: "Materials,"  
3 herein. Maintain a high humidity in the regulated area by misting or spraying to assist in fiber settling  
4 and reduce airborne concentrations.

5  
6 Saturated asbestos containing material shall be removed in manageable sections. Removed material  
7 should be containerized before moving to a new location for continuance of work. Surrounding areas  
8 shall be periodically sprayed and maintained in a wet condition until visible material is cleaned up.

9  
10 Material removed from building structures or components shall not be dropped or thrown to the floor.  
11 Material should be removed as intact sections or components whenever possible and carefully lowered to  
12 the floor. If this cannot be done for materials greater than 50 feet above the floor, a dust-tight chute shall  
13 be constructed to transport the material to containers on the floor or the material may be containerized at  
14 elevated levels (e.g. on scaffolds) and carefully lowered to the ground by mechanical means. For  
15 materials between 15 and 50 feet above the ground they may be containerized at elevated levels or  
16 dropped onto inclined chutes or scaffolding for subsequent collection and containerization.

17  
18 Bags shall be considered full when half their capacity have been filled. They should be securely sealed to  
19 prevent accidental opening and leakage by tying tops of bags in an overhand knot or by taping in  
20 gooseneck fashion. Do not seal bags with wire or cord.

21  
22 Large components removed intact may be wrapped in two (2) layers of six (6) mil polyethylene sheeting  
23 secured with tape for transport to the approved disposal site.

24  
25 Asbestos containing waste with sharp edged components (e.g., nails, screws, metal lath, tin sheeting) shall  
26 be placed into drums for disposal in lieu of polyethylene bags. Drums shall be marked to differentiate  
27 contents from those drums containing bagged material.

28  
29 After completion of all stripping work, surfaces from which asbestos containing materials have been  
30 removed such as plaster base coat or metal deck, etc., the surfaces shall be wet brushed and sponged to  
31 remove all visible residue.

### 32 33 **CEILING SYSTEM REMOVAL**

34 Remove, clean and enclose in polyethylene the ceiling mounted objects such as lights and other items that  
35 may interfere with the abatement process and were not previously cleaned and sealed off. Utilize  
36 localized spraying of amended water, or HEPA vacuums, to reduce fiber dispersal during the removal of  
37 these fixtures.

38  
39 Remove ceiling (tiles) (panels) within the regulated area carefully. If panels are to be reused, vacuum  
40 them with a HEPA filtered vacuum cleaner and carefully damp sponge and wrap cleaned (tiles) (panels)  
41 in four (4) mil polyethylene sheeting and seal with tape. Store as designated by Owners Project  
42 Representative (preferably outside of the regulated area). If (tiles) (panels) are to be discarded it is not  
43 necessary to clean them, but wrap in a similar fashion and stage for disposal in the waste container pass-  
44 out airlock.

45  
46 Where suspended ceiling T-grid components must be removed to perform the abatement, HEPA vacuum  
47 and wet sponge each piece after removal from hangers. Wrap clean grid pieces in four (4) mil  
48 polyethylene sheeting and seal with tape. Store as designated by Owners Project Representative or in  
49 waste staging area if designated for disposal.

50  
51 When removal of ceiling grid suspension system is not necessary for accessibility, to the asbestos  
52 containing materials leave the system in place and clean properly following completion of abatement, as  
53 specified in the Article of this section entitled: "Cleanup Procedure."

54  
55 Remove plaster/drywall ceilings including lath, furring channel system, wire mesh, ties, clips, screws,  
56 nails and other accessory items as necessary and dispose of them as asbestos contaminated waste material.

1 As work progresses, spray ceiling materials and debris with amended water to keep wet until  
2 containerized for disposal.

3  
4 **PIPE TUNNEL OR CRAWL SPACE REMOVAL WORK**

5 A decontamination enclosure shall be provided at the entrance to the pipe tunnel or crawl space. All  
6 requirements for regulated area entry and exit procedures and waste container pass-out procedures, as  
7 hereinbefore specified, shall apply to this work.

8  
9 All openings within the pipe tunnel or crawl space shall be sealed with four (4) mil polyethylene and tape.  
10 The existing surfaces within the space will not be required to be covered with polyethylene sheeting.

11  
12 A negative pressure system shall be required to maintain the security of the work space and the integrated  
13 decontamination enclosure.

14  
15 All loose and fallen asbestos-containing material shall be very carefully cleaned up with an industrial  
16 vacuum equipped with HEPA filter.

17  
18 After asbestos abatement work has been completed in the crawl space or pipe tunnel, all ceiling, wall and  
19 floor surfaces shall be cleaned with the HEPA equipped vacuum. All cleaned surfaces shall be sealed  
20 with an approved encapsulant.

21  
22 **FLOORING REMOVAL**

23 Where flooring removal is specified with the use of solvents to remove flooring adhesive, the substrate  
24 shall have no adhesive residue or debris remaining. Contractor shall wash the substrate with soap and  
25 water to remove all solvent. Contractor shall be responsible for the cost of repair or replacement of any  
26 building components damaged by excessive use of solvents.

27  
28 Where flooring removal is specified without the use of solvents to remove flooring adhesive, the  
29 contractor shall diligently remove adhesive by scraping process so that all trowel marks are removed and  
30 a uniform substrate, smooth to the touch, is attained. Contractor shall coordinate with the flooring  
31 installer to insure that the remaining substrate is suitable for replacement flooring installation.

32  
33 **SMALL SCALE - SHORT DURATION REMOVAL PROCEDURE**

34 **Glovebag Method:**

35  
36 All workers who are permitted to use the glovebag technique must be trained, experienced and skilled in  
37 this method.

38  
39 All tools and materials that will be required during the removal procedure, shall be placed into the tool  
40 pouch.

41  
42 Glovebag shall be installed so that it completely encompassed the surface where removal work will take  
43 place. The side seams of the glovebag shall be cut the appropriate length to accommodate a size that will  
44 fit over the removal area. The bag shall be placed in position, the edges of the bag shall be folded  
45 together and sealed with tape. All openings in the bag shall be sealed with duct tape (or equivalent  
46 material). The bottom seam of the bag must also be sealed with tape to prevent leakage.

47  
48 Workers performing asbestos removal with glovebag shall wear (as a minimum) half mask dual--cartridge  
49 HEPA--equipped respirator, and full protective clothing to protect against the possibility of accidental  
50 leakage.

51  
52 All material removed within the glovebag shall be thoroughly wetted with wetting agent, or removal  
53 encapsulant, applied with airless sprayer through the side port provided in the bag. After asbestos  
54 containing material has been removed, the exposed base surface must be thoroughly cleaned and wet  
55 wiped until all traces of asbestos-containing material is removed.

1 Create constant negative pressure by running a HEPA vacuum hose into bag.

2  
3 Any exposed edges of asbestos-containing that will remain after bag is removed, shall be encapsulated  
4 with a bridging encapsulant to seal the material from releasing fibers to the atmosphere. Provide neatly  
5 beveled and coated terminations where insulation terminates suitable for a butt joint with new insulation.

6  
7 In all glovebag removal settings, all doors, windows and other openings to the functional space must be  
8 sealed with a minimum of four (4) mil polyethylene sheeting. The HVAC system must be shut down.  
9 Once the area is completely sealed off, negative air pressure must be introduced to the entire functional  
10 space.

11  
12 In glove bag settings which involve small scale short duration removal the immediate area shall be  
13 prepared using the following techniques; polyethylene drop cloths (minimum 6 mil) on floor and walls in  
14 a 12 foot perimeter of the removal area, negative air machine present and running in the immediate area.  
15 Glove bag must be placed under variable negative pressure during removal stages. A centralized five  
16 stage decontamination system must be established in the building for this method of glovebag removal.

17  
18 Mini-Enclosure Method:

19  
20 A mini-enclosure may be built around an area which is too large for glovebag method, but is of small-  
21 scale and short duration work and would not warrant large enclosure.

22  
23 The mini-enclosure can be small enough to restrict the space to use by one worker. A small change room  
24 shall be contiguous to the mini-enclosure. The change room shall be a minimum of three (3) feet square.

25  
26 The mini-enclosure shall be constructed by affixing plastic sheeting to existing walls and covering the  
27 floor with plastic sheeting which shall extend up walls at least 24 inches and sealed with tape. If existing  
28 walls are not available, a 2 x 4 wood frame shall be constructed and two (2) layers of six (6) mil  
29 polyethylene sheeting applied to the interior side of frame to allow clean "take-down," at completion.  
30 Sheeting shall be sealed with tape.

31  
32 The change room shall be constructed of 2 x 4 wood framing to which shall be applied two (2) layers of  
33 six (6) mil polyethylene sheeting to interior side of frame and sealed with tape. The change room shall be  
34 provided with double six (6) mil polyethylene curtains at the exit and the entrance to the mini work  
35 enclosure. Both curtains in each opening shall be secured at the top and one side opposite from the other.

36  
37 A hose from a HEPA vacuum shall be extended through the wall of the Mini-Enclosure and the opening  
38 around the hose shall be sealed with tape. The HEPA vacuum shall run continuously during the time  
39 asbestos abatement work is taking place.

40  
41 All abatement work shall be conducted using the wet removal method and all debris from such work shall  
42 be bagged and disposed of as contaminated material. Upon completion, the interior surfaces of the  
43 regulated area shall be cleaned and sprayed with an encapsulant.

44  
45 Worker using the mini-enclosure method shall wear two (2) Tyvek<sup>R</sup> or equivalent disposable work suit  
46 and the appropriate HEPA filtered dual cartridge respiratory protection. Upon completion of the work  
47 and before leaving the change area, worker shall remove outer work suit and then proceed to a shower  
48 that is not contiguous with the work area.

49  
50 The polyethylene enclosure, comprising the regulated area and the change room, shall be collapsed  
51 inwardly, bagged and disposed of as contaminated material.

52  
53 **ENCAPSULATION PROCEDURES**

54 Clean and isolate the regulated area as specified in Article entitled: "Preparation of Regulated Area",  
55 hereinbefore.

Hazardous Material Removal – Fire Station 1

1 Repair damaged and missing areas of existing materials with nonasbestos-containing substitutes.  
2 Material must adhere adequately to existing surfaces and provide an adequate base for application of  
3 encapsulating agents. Filler material shall be applied in accordance with manufacturer's recommended  
4 specifications.

5  
6 Spray apply with airless equipment with low nozzle pressure to all surfaces where asbestos is removed or  
7 surfaces containing asbestos that are to remain in place. Spray must completely encapsulate any  
8 remaining asbestos, permanently locking it in place.

9  
10 Apply a minimum of one (1) coat with coverage in strict accordance with manufacturer's  
11 recommendations. Surfaces must be dry and free of dirt, oil and dust.

12  
13 **ENCLOSURE PROCEDURE**

14 Clean and isolate the regulated area as specified in Article entitled: "Preparation of Regulated Area"  
15 hereinbefore.

16  
17 Spray areas that will be disturbed during the installation of hangers or other support/framing materials for  
18 the enclosure with water containing the specified surfactant. Keep these areas damp to reduce airborne  
19 fiber concentrations.

20  
21 Remove loose or hanging asbestos containing materials.

22  
23 After installation of hangers and other fixing devices and before installation of enclosure, repair damaged  
24 areas of fireproofing/thermal insulation materials as required using a nonasbestos-containing replacement  
25 material. Prepare surfaces and apply replacement material in accordance with manufacturer's  
26 recommendations.

27  
28 **AIR MONITORING**

29 Daily Personal Air Monitoring (OSHA Compliance):

30  
31 Daily determination of employee exposure shall be made by collecting one or more breathing  
32 zone samples that are representative of the 8-hour TWA, full-shift exposure for each employee in  
33 each regulated area; and one or more breathing zone air samples that are representative of 30-  
34 minute exposures associated with operations that are most likely to produce exposures above the  
35 excursion limit for employees in each regulated area.

36  
37 OSHA P.E.L. As required by 29CFR 1926.1101(c). Within the breathing zone of each worker  
38 category (i.e., wetter, receiver, bagger) 25% of the crew or one per job category.

39  
40 All samples collected shall be analyzed by a laboratory accredited by the American Industrial Hygiene  
41 Association.

42  
43 The Owners Project Representative has the authority to stop the abatement work under the provisions of  
44 the General Conditions of this contract at anytime the Construction Representative determines either  
45 personally or through the services of an air sampling professional that conditions are not in compliance  
46 with the specifications and applicable regulations. The stoppage of work shall continue until conditions  
47 have been corrected and corrective steps have been taken to the satisfaction of the Construction  
48 Representative. Standby time required to resolve violations shall be at the Contractor's expense.

49  
50 **CLEANUP PROCEDURE**

51 Remove and containerize all visible accumulations of asbestos containing material and asbestos  
52 contaminated debris utilizing rubber dust pans and rubber squeegees to move material around. Do not use  
53 metal shovels to pick up or move accumulated waste. Special care shall be taken to minimize damage to  
54 floor sheeting.

1 Wet clean all surfaces in the regulated area using rags, mops and sponges as appropriate. (Note: Some  
2 HEPA vacuums might not be wet-dry vacuums.)  
3

4 Prior to removing the inner layer of plastic sheeting, the sheeting shall be sprayed with an encapsulant, so  
5 that any residue remaining will be adhered to the plastic sheeting.  
6

7 Remove the cleaned inner layer of plastic sheeting from walls and floors. Windows, doors, HVAC  
8 system vents and all other openings shall remain sealed. The negative pressure ventilation units shall  
9 remain in continuous operation. Decontamination enclosure systems shall remain in place and be utilized.  
10

11 Remove all containerized waste from the regulated area and waste container pass-out airlock.  
12

13 The DFD's Project Representative, DNR Representative and the Contractor shall inspect the regulated  
14 area for visible residue. If any accumulation of residue is observed, it will be assumed to be asbestos and  
15 the cleaning cycle shall be repeated.  
16

17 After cleaning the regulated area the Contractor may either spray the remaining barrier material with  
18 encapsulant or, wait at least 24 hours to allow fibers to settle and HEPA vacuum and wet clean all objects  
19 and surfaces in the regulated area again.  
20

21 Decontaminate all tools and equipment and remove at the appropriate time in the cleaning sequence.  
22

### 23 **DISPOSAL PROCEDURES**

24 As the work progresses to prevent exceeding available storage capacity onsite, sealed and labelled  
25 containers of asbestos-containing waste shall be removed and transported directly to the prearranged  
26 disposal location, which must be an authorized site in accordance with regulatory requirements of  
27 NESHAP and Wisconsin Administrative Rule NR 447.13 and NR 506.10. Use of intermediate storage  
28 locations is not accepted disposal procedure. Mark vehicles used to transport asbestos-containing waste  
29 in accordance with Nr 447.12(4)(a)1 to 3. Comply with US DOT Hazardous Material regulations, 49  
30 CFR 171-180.  
31

32 The Contractor shall provide documentation in the form of a transportation and disposal manifest that will  
33 provide a chain-of-custody record of all asbestos-containing waste from project site to the disposal site.  
34 All asbestos-containing waste generated must be accounted for by these records and copies of all such  
35 records shall be delivered to the Construction Representative.  
36

#### 37 **Transportation to the Landfill:**

38  
39 Contractor shall provide an enclosed lockable waste container, consisting of a truck, trailer or  
40 dumpster, for storage and transportation of waste. The waste container shall be locked while  
41 unattended and during transportation of waste. Once bags have been removed from the regulated  
42 area, they shall be loaded directly into the waste container for transportation.  
43

44 The waste container shall be free of debris and lined with six (6) mil polyethylene sheeting to  
45 prevent contamination from leaking or spilled containers. Floor sheeting shall be installed first  
46 and extend up the side walls. Wall sheeting shall be overlapped and taped into place.  
47

48 Drums shall be placed on level surfaces in the waste container and packed tightly together to  
49 prevent shifting and tipping. Large components shall be secured to prevent shifting and bags  
50 placed on top. Do not throw containers into waste container.  
51

52 Personnel loading asbestos containing waste shall be protected by disposable clothing including  
53 head, body and foot protection and at a minimum, half-face piece, air-purifying, dual cartridge  
54 respirators equipped with HEPA filters.  
55

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44

Any debris or residue observed on containers or surfaces outside of the regulated area resulting from cleanup or disposal activities shall be immediately cleaned up using HEPA filtered vacuum equipment and/or wet methods.

Disposal at the Landfill:

Upon reaching the landfill, trucks are to approach the dump location as closely as possible for unloading of the asbestos containing waste.

Bags, drums and components shall be inspected as they are off-loaded at the disposal site. Damaged containers shall be very carefully taped shut and repacked into drums or bags as applicable.

Waste containers shall be placed on the ground at the disposal site, not pushed or thrown out of trucks (weight of wet material could rupture bags).

Personnel off-loading containers at the disposal site shall wear protective equipment consisting of disposable head, body and foot protection and, at a minimum, half-face piece, air-purifying, dual cartridge respirators equipped with HEPA filters.

Following the removal of all containerized waste, the truck cargo area shall be decontaminated using HEPA vacuums and wet methods to meet the no visible residue criteria. Polyethylene sheeting shall be removed and discarded along with contaminated cleaning materials and protective clothing, in bags or drums at the disposal site.

**REESTABLISHMENT OF REGULATED AREA**

Reestablishment of the regulated area shall occur only after completion of cleanup procedures and documentation has been performed to the satisfaction of the Project Representative.

Resecure mounted objects removed from their former positions during area preparation activities.

Resecure and relocate objects that were removed to temporary locations back to their original positions.

Reestablish HVAC, mechanical and electrical systems in proper working order. Remove potentially contaminated HVAC system filters and dispose of as asbestos contaminated waste. Decontaminate filter assembly using HEPA vacuums and wet cleaning techniques.

END OF SECTION





**Asbestos/Lead Abatement Certification**

The apparent low bidder on any project involving asbestos and/or lead abatement activity must provide the following statement notarized and signed by an officer of the firm, before the end of the seventh calendar day after the bid opening.

**Note:** For certified statements 1-3 below: If no exceptions exist, state "None"; otherwise include project(s), date(s), description and resolution for each (attach additional sheets if necessary).

This is to certify that \_\_\_\_\_

Firm Name

- 1) has not been issued any citations by federal, state or local regulatory agencies relating to asbestos or lead abatement activity, except as follows:  
\_\_\_\_\_
- 2) has not had an asbestos or lead abatement contract terminated prior to completion, except as follows:  
\_\_\_\_\_
- 3) has not been named in any asbestos or lead related legal proceedings/claims in which the firm (or employees scheduled to participate in this project) was involved as contractor or subcontractor, except as follows:  
\_\_\_\_\_
- 4) has all employees or agents who may be exposed to airborne asbestos in excess of the OSHA PEL medically determine to be physically capable of working while wearing the respirator
- 5) will utilize only HEPA vacuums, negative pressure ventilation units and other local exhaust ventilation equipmer conforming to ANSI Z9.2-79 and that water filtration unit(s) are used in conformance with manufacturer's specifications
- 6) has notified rental agencies that rental equipment will be used in abatement areas or to transport asbestos contaminate waste, if contractor intends to use rented equipment
- 7) will utilize only NIOSH approved respiratory protective devices and that respirator fit-testing for all contract employees and agents, who must enter the regulated area, are performed in accordance with procedures as detailed in Title 29 CFR 1926.1101, Appendix C, Qualitative and Quantitative Fit Testing Procedures
- 8) maintains a written hazard communication program indicating how the contractor plans to meet the requirements c OSHA 29 CFR 1926.59 relative to labeling, handling of material safety data sheets and training of employees.

The undersigned states that all of the above information is true and correct to the best of his/her knowledge.

Dated \_\_\_\_\_

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title

State of Wisconsin \_\_\_\_\_

County \_\_\_\_\_

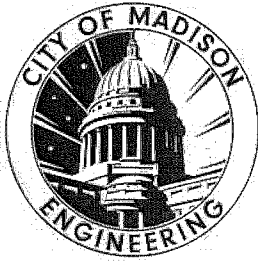
\_\_\_\_\_  
Firm Name

Signed or attested before me on \_\_\_\_\_ day \_\_\_\_\_, \_\_\_\_\_

By: \_\_\_\_\_ County, WI  
Notary Public

(STAMP OR SEAL)

My Commission Expires \_\_\_\_\_, 20  
\_\_\_\_\_.



Department of Public Works  
**Engineering Division**  
Robert F. Phillips, P.E., City Engineer

City-County Building, Room 115  
210 Martin Luther King, Jr. Boulevard  
Madison, Wisconsin 53703  
Phone: (608) 266-4751  
Fax: (608) 264-9275  
[engineering@cityofmadison.com](mailto:engineering@cityofmadison.com)  
[www.cityofmadison.com/engineering](http://www.cityofmadison.com/engineering)

December 29, 2014

**Assistant City Engineer**  
Michael R. Dailey, P.E.

**Principal Engineers**  
Christina M. Bachmann, P.E.  
John S. Fahrney, P.E.  
Gregory T. Fries, P.E.  
Christopher J. Petykowski, P.E.

**Facilities & Sustainability**  
Jeanne E. Hoffman, Manager

**Operations Manager**  
Kathleen M. Cryan

**Mapping Section Manager**  
Eric T. Pederson, P.S.

**Financial Manager**  
Steven B. Danner-Rivers

**Hydrogeologist**  
Brynn Bemis

**NOTICE OF ADDENDUM**  
**ADDENDUM NO. 1**

**CONTRACT NO. 7454, PROJECT NO. 53W1434**  
**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**

Revise and amend the contract document(s) for the above project as stated in this addendum, otherwise, the original document shall remain in effect.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on the Bid Express web site at:

<http://www.bidexpress.com>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 receive the material by another route.

Robert F. Phillips, P.E., City Engineer



**ADDENDUM NO. 1**  
**City of Madison, Engineering Department**

**CONTRACT NO. 7454, PROJECT NO. 53W1434**  
**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**

This addendum is issued to modify, explain or correct the original Drawings, Specifications, or Contract Documents marked as *Hazardous Waste Removal – Fire Station 1, City of Madison Project #53W1434, Contract #7454, as issued on December 12, 2014* and is hereby made a part of the contract documents.

This addendum consists of the following documents:

- **Addendum summary**, three (3) page(s) of text
- **Exhibit D**, PDF file consisting of eight (8) pages of text
- **Revised plan set**, PDF file consisting of three (3) revised drawing sheets

Please attach these Addendum documents to the Drawings and Project manual in your possession.

1. **GENERAL CONTRACT CONDITIONS**

- A. The new 2015 Prevailing Wage Rates will not apply to this contract. Contractors are advised to use the 2014 rates as published with the contract documents in Section J-Prevailing Wage Rates.

2. **GENERAL QUESTIONS AND ANSWERS**

- A. **Q.** The gap between the adjacent building being constructed (on the plan north side) and Fire Station 1 is less than 12". How are we to remove the exterior caulking if it is not reasonably accessible?  
**A.** Exterior caulking that is not reasonably accessible will not need to be removed. A&A Environmental estimates that this will reduce the original estimation by 110.00 lineal feet, see item 6C below.
- B. **Q.** Can the alley adjacent to the plan south property line be used for lift equipment while removing exterior caulk from the building?  
**A.** Yes however, please note the additional requirements in Section 4B below.

3. **ACCEPTABLE EQUIVALENTS**

This section is not used.

4. **SPECIFICATIONS**

- A. Section 104.2 INTENT AND COORDINATION OF THE CONSTRUCTION DOCUMENTS, on page D-2 in of the Special Provisions add **EXHIBIT D** to the list of construction documents noted.
- Exhibit D represents additional Asbestos Testing conducted by A&A Environmental on December 17, 2014. Exhibit D is an eight (8) page PDF document and the contractor should include these pages at the end of Section D of the bidding document set. Number the pages D-75 through D-82.
  - Per the report, one (1) additional door tested as containing RACM. This door was noted on the original plan set as required to be removed. Stair 'B' is also known as Room 213.
  - Per the report, two (2) additional doors were unable to be tested and are to be treated as containing RACM. Both doors were noted on the original plan set as required to be removed. Added a note to clarify on the drawings.
  - Notes have been added to the first and second floors of the plan set to indicate these doors specifically, see item 5B below.



- v. As all three (3) doors were previously included in the plan set the quantity of doors to be removed has not been changed on the proposal page.
- B. Section 105.12, COOPERATION BY THE CONTRACTOR, on page D-3 in of the Special Provisions ADD the following paragraph:
- i. "The alley adjacent to the plan south exterior wall is owned by the adjacent property owner (Capital Centre Court Apartments). The Contractor shall provide the City Project Manager with a three (3) working day notice when it becomes necessary to occupy the alley with lift equipment for exterior work on the South Elevation. The contractor shall also provide the City Project Manager with an estimated time to complete the work on the south Elevation. The contractor is advised that the alley is a Public Fire Lane by easement and the Madison Fire Department has placed the following restrictions on using the alley for work:
- Semi-permanent structures such as scaffolding will not be permitted.
  - Contractor will be required to vacate the alley if required to do so, at anytime, by the Madison Fire Department.
  - Any equipment being used by the contractor in the easement must be motorized, easily removed, and always attended with a qualified operator.
  - Equipment must be removed from the alley when not being actively used including after hours."
- ii. The City Project Manager shall notify the adjacent property owner and the contractor on the adjacent construction site of the dates and duration the alley will be closed.
- iii. This change is also reflected as noted in Section 5A below.
- iv. This change is also reflected by adding BID ITEM 10701 Traffic Control as noted in Section 6A below.

5. **DRAWINGS**

- A. Sheet 1 – General Site Plan
- i. Identified adjacent private alley on adjacent property.
  - ii. Identified required locations for contractor provided traffic control devices.
- B. Sheet 3, and 4 – Floor Plans
- i. Identified three (3) doors by notes to be removed as they are described in Exhibit D (see item 4A above).
    - These doors were previously identified as being removed on the plan set therefore the quantity will not change on the proposal page.

6. **PROPOSAL**

- A. **ADD** BID ITEM 10701 Traffic Control as a standard bid item as follows:  
**DESCRIPTION:** BID ITEM 10701 shall include traffic control measures as described below for the duration of the contract. Contractor is advised that this is a Public Fire Lane by Easement and will be required to open the easement as needed for emergency access. Bid item shall include:
- i. Place One (1) each "STREET CLOSED" sign at both ends of the alley
  - ii. Provide a minimum of two (2) traffic barrels at both ends of the alley. Place one barrel each side of sign.

**METHOD OF MEASUREMENT:** BID ITEM 10701 as LUMP SUM for all costs associated with the traffic control items required above including but not limited to costs for rental, delivery/pick-up, and labor associated with placing/removing the devices at the beginning/end of each work day.

**BASIS OF PAYMENT:** BID ITEM 10701 shall be paid at the contract unit price.

- B. **CHANGE** the estimated quantity of BID ITEM 90007. Deduct one hundred ten (110) lineal feet of exterior caulking that is no longer accessible due to the construction of the adjacent building. The



new total of exterior caulk is now estimated to be one thousand one hundred seventy (1,170.00) lineal feet.

Please acknowledge this addendum on page E1 of the contract documents and/or in Section E: Bidder's Acknowledgement on Bid Express.

Electronic version of these documents can be found on Bid Express at <https://www.bidexpress.com/> and the City of Madison web site at <http://www.cityofmadison.com/business/PW/contracts/openforBid.cfm>

If you are unable to download plan revisions associated with the addendum, please contact the Engineering office at 608-266-4751 to receive the material by another method.

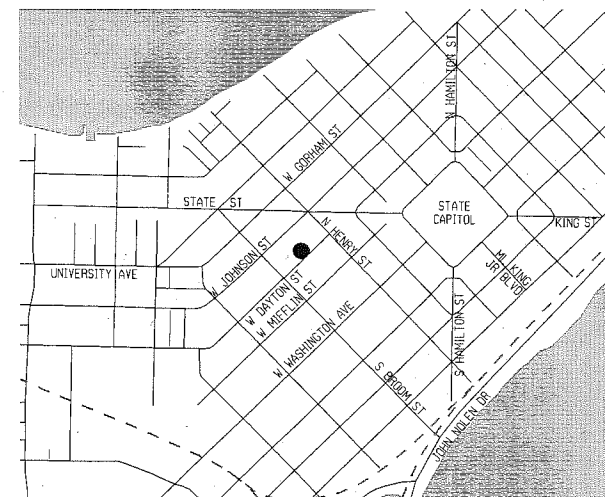
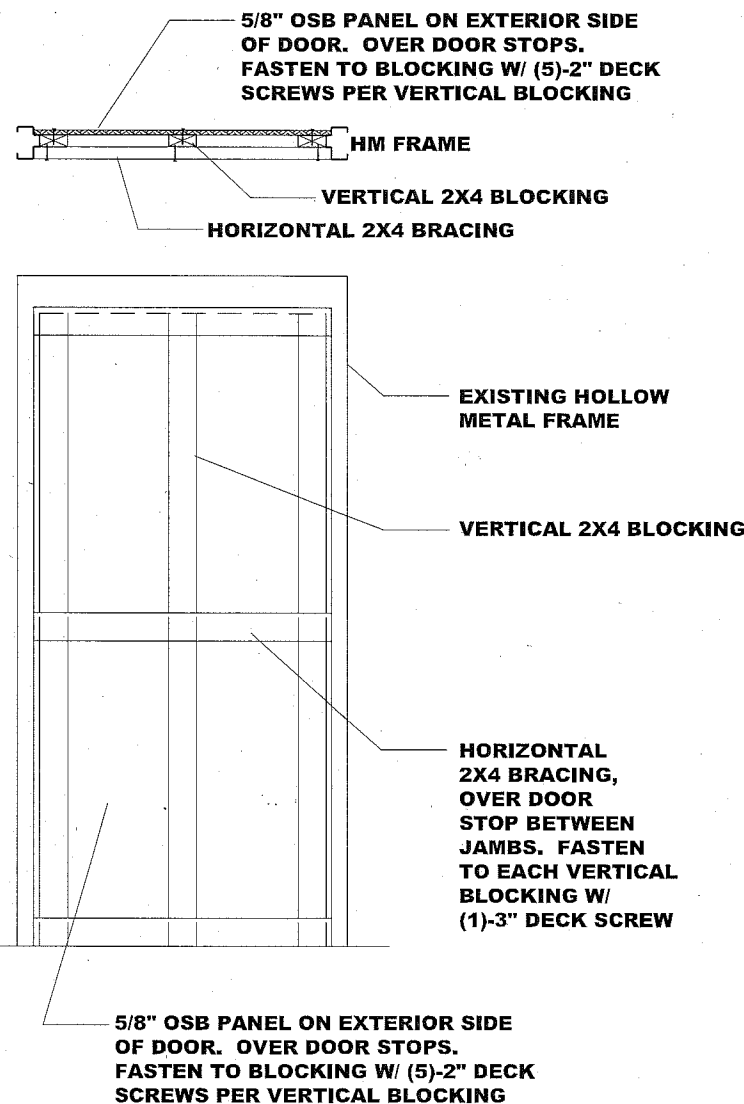
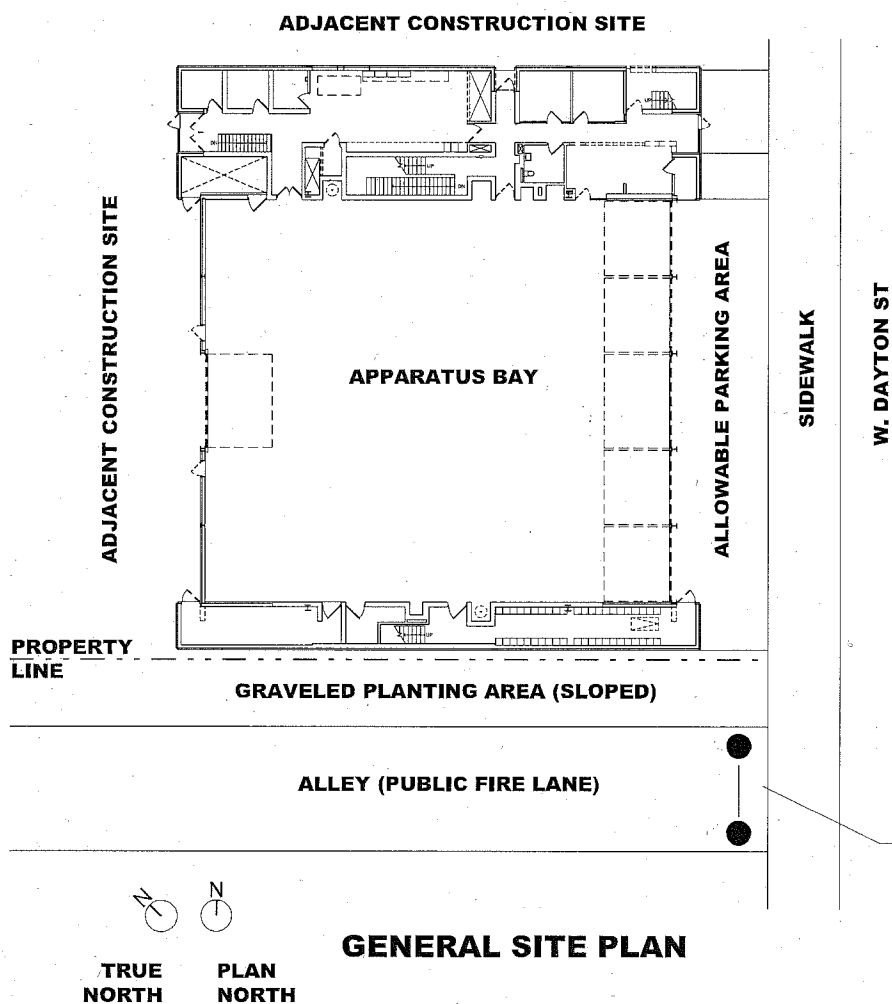
**For questions regarding this bid, contact:**

Randy Wiesner  
City of Madison Engineering  
Phone: 608-267-8679  
Fax: 608-264-9275  
Email: [rwiesner@cityofmadison.com](mailto:rwiesner@cityofmadison.com)



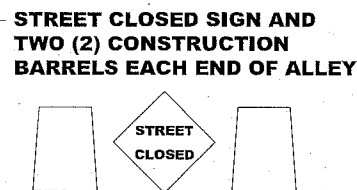
**GENERAL NOTES:**

- A. CONTRACTOR MAY USE THE APPARATUS BAY AND PARKING AREA AS DESIGNATED ON THE SITE PLAN AT LEFT.
- B. THE MADISON FIRE DEPARTMENT SHALL BE RESPONSIBLE FOR SNOW REMOVAL AS NEEDED.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TREE PROTECTION AS NEEDED.
- D. THE CONTRACTOR SHALL BE AWARE THAT ADJACENT CONSTRUCTION PROJECT ON TWO SIDES OF THE EXISTING STRUCTURE.
- E. THE 'PLAN SOUTH' SIDE OF THE EXISTING STRUCTURE IS ADJACENT TO THE PROPERTY LINE.



**SHEET INDEX**

- 1 SITE PLAN, ENCLOSURE DETAIL
- 2 BASEMENT REMOVAL PLAN
- 3 FIRST FLOOR REMOVAL PLAN
- 4 SECOND FLOOR REMOVAL PLAN
- 5 THIRD FLOOR REMOVAL PLAN



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454  
 316 W. DAYTON STREET  
 MADISON WISCONSIN

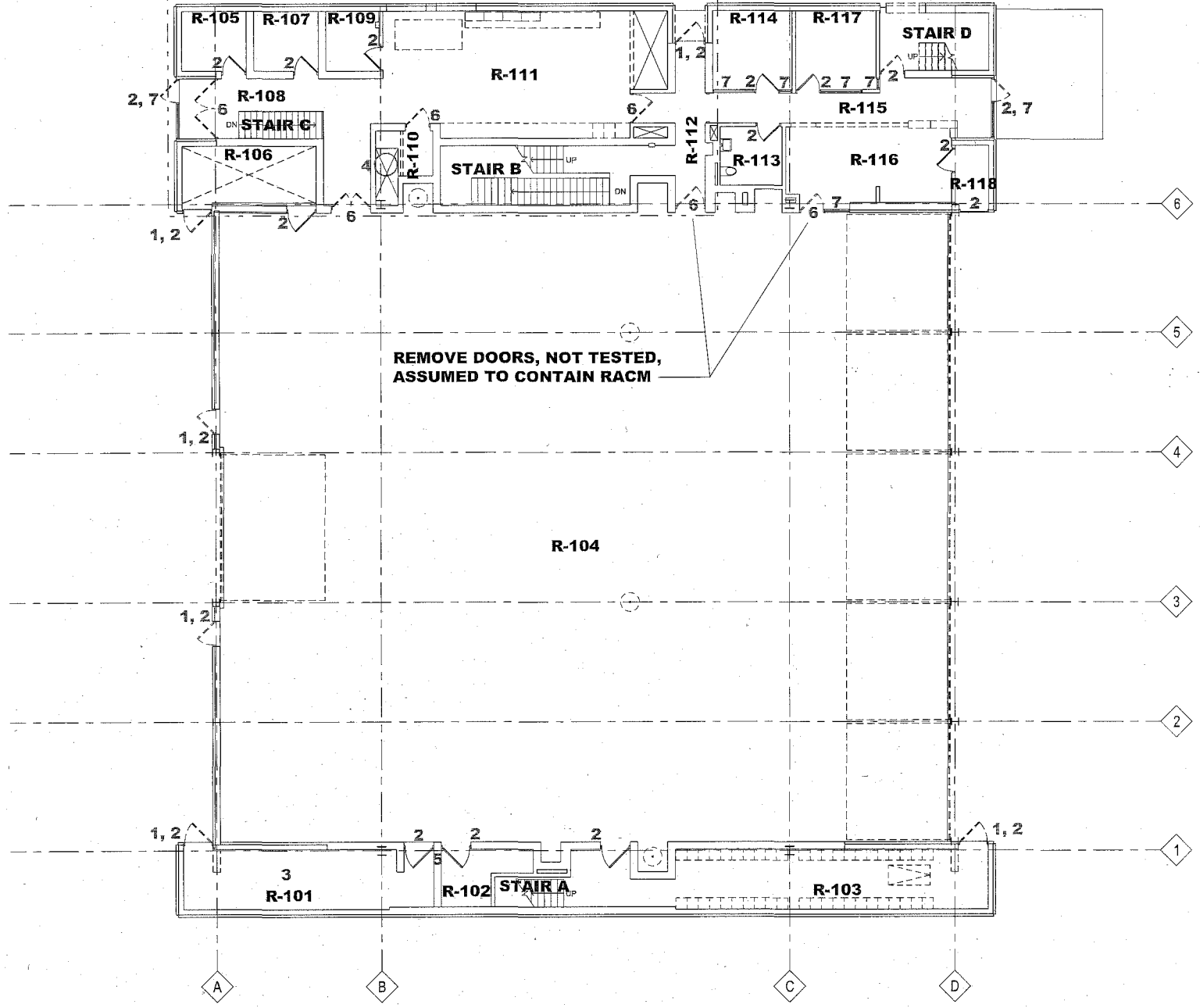
**SHEET**

**1**



**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 316 W. DAYTON STREET  
 MADISON WISCONSIN  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454

REMOVE CAULKING FROM PRECAST CONCRETE IN THIS AREA



**GENERAL NOTES:**

- A. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.
- B. REMOVE EXTERIOR CAULKING.

**KEYNOTES:**

1. REMOVE DOOR, SECURE OPENING WITH 2x4 FRAMING AND 5/8" OSB.
2. REMOVE ALL CAULK FROM BOTH SIDES OF FRAME.
3. REMOVE FLOOR TILE, BASE AND ALL MASTIC.
4. REMOVE ALL FUEL CHIMNEY THROUGH TO ROOF.
5. REMOVE ALL CAULKING FROM AROUND DUCT THROUGH WALL.
6. REMOVE DOOR, REMOVE ALL CAULK FROM BOTH SIDES OF FRAME.
7. REMOVE ALL GLAZING FROM WINDOWS.

**LEGEND:**

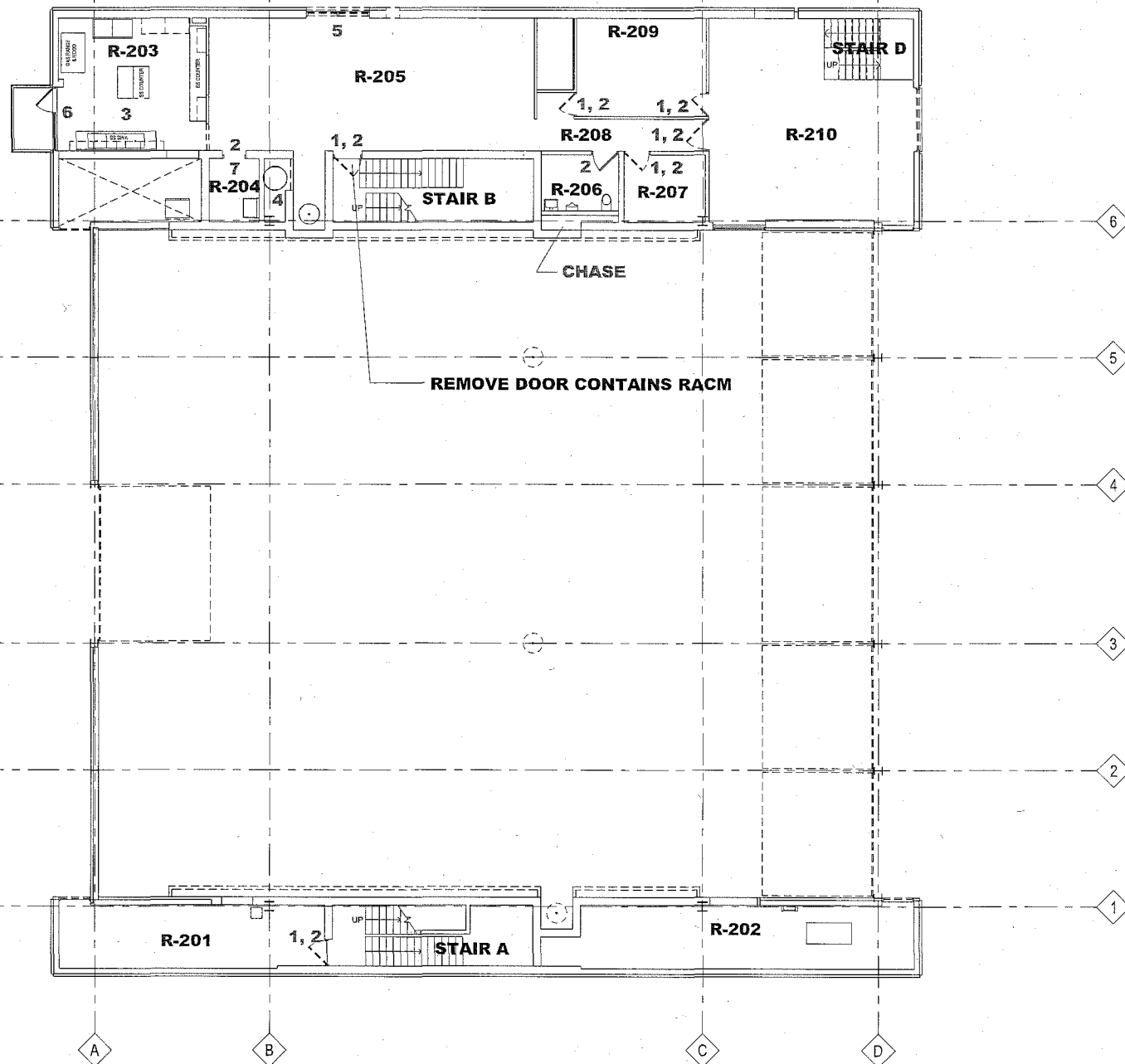
- R-# ROOM NUMBER
- # KEYNOTE NUMBER

**FIRST FLOOR REMOVAL PLAN**





**HAZARDOUS WASTE REMOVAL - FIRE STATION 1**  
 316 W. DAYTON STREET  
 MADISON WISCONSIN  
 PROJECT NUMBER 53W1434  
 CONTRACT NUMBER 7454



**GENERAL NOTES:**

- A. REMOVE INSULATION FROM ALL PIPE FITTINGS, DEMOLITION MAY BE REQUIRED.
- B. REMOVE EXTERIOR CAULKING.

**KEYNOTES:**

- 1. REMOVE DOOR.
- 2. REMOVE CAULKING FROM BOTH SIDES OF DOOR FRAME.
- 3. CLEANUP ABOVE CEILING.
- 4. ALL FUEL CHIMNEY FROM BASEMENT.
- 5. REMOVE CAULKING FROM WINDOW FRAME.
- 6. REMOVE ALL CAULKING AND GLAZING FROM FRAME
- 7. REMOVE FLOOR TILE, BASE AND MASTIC.

**LEGEND:**

- R-# ROOM NUMBER
- # KEYNOTE NUMBER

**SECOND FLOOR REMOVAL PLAN**

REV.: DEC 29, 2014 FOR ADDENDUM 1

# **A & A Environmental, Inc.**

*N4381 US Hwy 51, Poynette, WI 53955*

*Phone: (608) 240-1511, Mobile Phone: (608) 576-4960, Fax: (608) 635-9717*

December 22, 2014

Randy Wiesner  
City of Madison  
210 MLK, Jr. Blvd., CCB Room 115  
Madison, WI 53703-3342  
(608) 266-4366  
RWiesner@cityofmadison.com

RE: FS 1

ON December 17, 2014 A&A Environmental, Inc. collected bulk samples from the doors in the following rooms for asbestos content. The inspection was completed by removing hinge screws and taking a piece of the internal material from the screw hole. Results are as follows.

- Room B01 - 2 doors, fiberglass lining
- Room B02 - 1 door, fiberglass lining
- Room B03 - 1 door, fiberglass lining
- Room 101 (storage) - 1 door, fiberglass lining
- Room 102 - 1 door, fiberglass lining
- Room 103 - 1 door, fiberglass lining
- Room 104 - 2 doors, fiberglass lining
- Room 105 - 1 door, fiberglass lining
- Room 106 - 1 door, fiberglass lining
- Room 107 - 1 door, fiberglass lining
- Room 109 - 1 door, fiberglass lining
- Room 113 - 1 door, Styrofoam lining
- Room 114 - 1 door, fiberglass lining
- Room 117 - 1 door, fiberglass lining
- Room 101 (lobby) - 1 door, Styrofoam lining
- Room 118 (storage) - 1 door, Styrofoam lining
- Room 119 - 1 door, fiberglass lining
- Room 201 - 1 door, fiberglass lining
- Room 203 - 1 exterior door, fiberglass lining
- Room 204 - No door present, may be stored in Room B01
- Room 206 - 1 door, Styrofoam lining

A&A Environmental, Inc. was unable to determine what type of lining is in the two metal doors in Room 112 going to Room 104 and Room 116 going to Room 104. Both door should be treated as containing regulated asbestos containing material (RACM).

One wood door going from Room 205 to Room 213 was bulk sampled and reported to contain RACM, 15% chrysotile and 5% amosite (Sample #A18).

Bulk samples were collected from the built up roofing materials under the rubber roof membrane and white insulation from the built up tar down to the bottom of the Perlite insulation in two locations. All bulk samples were analyzed for asbestos content by polarized light microscopy (PLM). All samples were reported as no asbestos detected (Samples #A01 through A17).

Sincerely,



Kim Sopha  
President

KAS/bls



AMENDED

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## ASBESTOS LABORATORY REPORT

Prepared for

**A & A Environmental**

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PROJECT: 316 W Dayton St.; AA 3685

CEI LAB CODE: A14-17316

DATE ANALYZED: 12/18/14

DATE REPORTED: 12/19/14

TOTAL SAMPLES ANALYZED: 18

# SAMPLES >1% ASBESTOS: 1

TOTAL LAYERS ANALYZED: 18

**TEL: 866-481-1412**

*www.ceilabs.com*



AMENDED

# Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: 316 W Dayton St.; AA 3685

CEI LAB CODE: A14-17316

METHOD: EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
A01		A1885891	Black	Mastic On Rubber Roof	None Detected
A02		A1885892	Black	Bottom Layer Roofing Tar	None Detected
A03		A1885893	Black	Bottom Layer Roofing Felt	None Detected
A04		A1885894	Black	Middle Layer Roofing Tar	None Detected
A05		A1885895	Black	Middle Layer Roofing Felt	None Detected
A06		A1885896	Black	Top Layer Roofing Tar	None Detected
A07		A1885897	Black	Top Layer Roofing Felt	None Detected
A08		A1885898	Black	Top Over Layer Roofing Tar	None Detected
A09		A1885899	Tan,White	Perlite Roofing Board	None Detected
A10		A1885900	Black	Bottom Layer Roofing Tar	None Detected
A11		A1885901	Black	Bottom Layer Roofing Felt	None Detected
A12		A1885902	Black	Middle Layer Roofing Tar	None Detected
A13		A1885903	Black	Middle Layer Roofing Felt	None Detected
A14		A1885904	Black	Top Layer Roofing Tar	None Detected
A15		A1885905	Black	Top Layer Roofing Felt	None Detected
A16		A1885906	Black	Top Over Layer Roofing Tar	None Detected
A17		A1885907	Tan,White	Perlite Roofing Board	None Detected
A18		A1885908	White	Fire Door Material	Chrysotile 15% Amosite 5%



AMENDED **ASBESTOS BULK ANALYSIS**  
 By: POLARIZING LIGHT MICROSCOPY

**Client:** A & A Environmental  
 N4381 US Highway 51  
 Poynette, WI 53955

**CEI Lab Code:** A14-17316  
**Date Received:** 12-18-14  
**Date Analyzed:** 12-18-14  
**Date Reported:** 12-19-14

**Project:** 316 W Dayton St.; AA 3685

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
<b>A01</b> A1885891	Mastic On Rubber Roof	Heterogeneous Black Fibrous Bound	2%	Cellulose	50% 48%	Binder Calc Carb	<b>None Detected</b>
<b>A02</b> A1885892	Bottom Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	60% 20% 18%	Tar Gravel Binder	<b>None Detected</b>
<b>A03</b> A1885893	Bottom Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	<b>None Detected</b>
<b>A04</b> A1885894	Middle Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	80% 18%	Tar Binder	<b>None Detected</b>
<b>A05</b> A1885895	Middle Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	<b>None Detected</b>
<b>A06</b> A1885896	Top Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	80% 18%	Tar Binder	<b>None Detected</b>
<b>A07</b> A1885897	Top Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	<b>None Detected</b>



AMENDED **ASBESTOS BULK ANALYSIS**  
By: POLARIZING LIGHT MICROSCOPY

**Client:** A & A Environmental  
N4381 US Highway 51  
Poynette, WI 53955

**CEI Lab Code:** A14-17316  
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**Project:** 316 W Dayton St.; AA 3685

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Cellulose	Non-Fibrous		
A08 A1885898	Top Over Layer Roofing Tar	Heterogeneous Black Fibrous Bound	30%	Cellulose	60%	Tar Binder	None Detected
A09 A1885899	Perlite Roofing Board	Heterogeneous Tan, White Fibrous Loosely Bound	40%	Cellulose	40%	Perlite Binder Tar	None Detected
A10 A1885900	Bottom Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	80%	Tar Binder	None Detected
A11 A1885901	Bottom Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
A12 A1885902	Middle Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	80%	Tar Binder	None Detected
A13 A1885903	Middle Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
A14 A1885904	Top Layer Roofing Tar	Heterogeneous Black Fibrous Bound	2%	Cellulose	80%	Tar Binder	None Detected



AMENDED **ASBESTOS BULK ANALYSIS**  
 By: POLARIZING LIGHT MICROSCOPY

**Client:** A & A Environmental  
 N4381 US Highway 51  
 Poynette, WI 53955

**CEI Lab Code:** A14-17316  
**Date Received:** 12-18-14  
**Date Analyzed:** 12-18-14  
**Date Reported:** 12-19-14

**Project:** 316 W Dayton St.; AA 3685

**ASBESTOS BULK PLM, EPA 600 METHOD**

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS			ASBESTOS %	
			Fibrous	Non-Fibrous			
A15 A1885905	Top Layer Roofing Felt	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
A16 A1885906	Top Over Layer Roofing Tar	Heterogeneous Black Fibrous Bound	30%	Cellulose	60%	Tar Binder	None Detected
A17 A1885907	Perlite Roofing Board	Heterogeneous Tan, White Fibrous Loosely Bound	40%	Cellulose	40%	Perlite Binder Tar	None Detected
A18 A1885908	Fire Door Material	Heterogeneous White Fibrous Loose			70%	Calc Carb Binder	15% Chrysotile 5% Amosite





AMENDED

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**LEGEND:** Non-Anth = Non-Asbestiform Anthophyllite  
Non-Trem = Non-Asbestiform Tremolite  
Calc Carb = Calcium Carbonate

---

**METHOD:** EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

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The detection limit for the method is <1% by visual estimation and 0.25% by 400 point counts or 0.1% by 1,000 point counts.

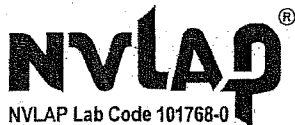
Due to the limitations of the EPA 600 Method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarizing light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission Electron Microscopy (TEM). Please note that PLM analysis of dust and soil samples for asbestos is not covered under NVLAP accreditation.

CEI Labs, Inc. can perform positive stop analysis if requested by customer. However, it is the responsibility of the customer to determine if the samples grouped together are in fact the same type of material and belong to the same homogeneous area.

This report may not be reproduced, except in full, without written approval by CEI LABS. CEI LABS makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U. S. Government.

**ANALYST:** Sarah Talley  
Sarah Talley

**APPROVED BY:** Tianbao Bai  
Tianbao Bai, Ph.D.  
Laboratory Director

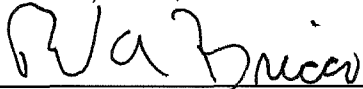


**SECTION E: BIDDERS ACKNOWLEDGEMENT**

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1  
CONTRACT NO. 7454**

Bidder must state a Unit Price and Total Bid for each item. The Total Bid for each item must be the product of quantity, by Unit Price. The Grand Total must be the sum of the Total Bids for the various items. In case of multiplication errors or addition errors, the Grand Total with corrected multiplication and/or addition shall determine the Grand Total bid for each contract. The Unit Price and Total Bid must be entered numerically in the spaces provided. All words and numbers shall be written in ink.

1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2014 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda to the Contract Nos. 1 through \_\_\_\_\_ issued thereto, at the prices for said work as contained in this proposal. (Electronic bids submittals shall acknowledge addendum under Section E and shall not acknowledge here)
2. If awarded the Contract, we will initiate action within seven (7) days after notification or in accordance with the date specified in the contract to begin work and will proceed with diligence to bring the project to full completion within the number of work days allowed in the Contract or by the calendar date stated in the Contract.
3. The undersigned Bidder or Contractor certifies that he/she is not a party to any contract, combination in form of trust or otherwise, or conspiracy in restraint of trade or commerce or any other violation of the anti-trust laws of the State of Wisconsin or of the United States, with respect to this bid or contract or otherwise.
4. I hereby certify that I have met the Bid Bond Requirements as specified in Section 102.5. (IF BID BOND IS USED, IT SHALL BE SUBMITTED ON THE FORMS PROVIDED BY THE CITY. FAILURE TO DO SO MAY RESULT IN REJECTION OF THE BID).
5. I hereby certify that all statements herein are made on behalf of Robinson Brothers Env. (name of corporation) partnership, or person submitting bid) a corporation organized and existing under the laws of the State of Wisconsin a partnership consisting of \_\_\_\_\_; an individual trading as \_\_\_\_\_; of the City of Waunakee State of Wisconsin; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

  
\_\_\_\_\_  
SIGNATURE  
Vice President  
\_\_\_\_\_  
TITLE, IF ANY

Sworn and subscribed to before me this  
6th day of January, 2015.

  
\_\_\_\_\_  
Melissa B Lowenberg  
(Notary Public or other officer authorized to administer oaths)

MELISSA B LOWENBERG  
Notary Public  
State of Wisconsin  
Commission Expires 8/7/2016

Bidders shall not add any conditions or qualifying statements to this Proposal.

**SECTION F: DISCLOSURE OF OWNERSHIP & BEST VALUE CONTRACTING**

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1  
CONTRACT NO. 7454**

State of Wisconsin  
Department of Workforce Development  
Equal Rights Division  
Labor Standards Bureau

**Disclosure of Ownership**

<p><b>Notice required under Section 15.04(1)(m), Wisconsin Statutes.</b> The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d) and 103.49(7)(d), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes. Personal information you provide may be used for secondary purposes.</p>			
<p>(1) On the date a contractor submits a bid to or completes negotiations with a state agency or local governmental unit, on a project subject to Section 66.0903 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency or local governmental unit the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.</p> <p>(2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 103.49(2) and 103.50(2), Wisconsin Statutes.</p> <p>(3) This form must ONLY be filed, with the state agency or local governmental unit that will be awarding the contract, if <b>both (A) and (B) are met.</b></p> <p>(A) The contractor, or a shareholder, officer or partner of the contractor:                  (1) Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.                  (2) Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.</p> <p>(B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.</p>			
<b>Other Construction Business</b>			
Not Applicable <input checked="" type="checkbox"/>			
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.			
Print the Name of Authorized Officer Michael A Bracco			
Signature of Authorized Officer <i>Michael A Bracco</i>		Date Signed 1/8/15	
Name of Corporation, Partnership or Sole Proprietorship Robinson Brothers Environmental, Inc.			
Street Address or P O Box 221 Koernisch Road	City Waunakee	State WI	Zip Code 53577

If you have any questions call (608) 266-0028

ERD-7777-E (R. 09/2003)

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1  
CONTRACT NO. 7454**

**Best Value Contracting**

1. The Contractor shall indicate the non-apprenticeable trades used on this contract.

Asbestos Abatement workers

---

2. Madison General Ordinance (M.G.O.), 33.07(7), does provide for some exemptions from the active apprentice requirement. Apprenticeable trades are those trades considered apprenticeable by the State of Wisconsin. Please check applicable box if you are seeking an exemption.

- Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.
- No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.
- Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.
- First-time Contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.
- Contractor has been in business less than one year.
- Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade

3. The Contractor shall indicate on the following section which apprenticeable trades are to be used on this contract. Compliance with active apprenticeship, to the extent required by M.G.O. 33.07(7), shall be satisfied by documentation from an applicable trade training body; an apprenticeship contract with the Wisconsin Department of Workforce Development or a similar agency in another state; or the U.S Department of Labor. This documentation is required prior to the Contractor beginning work on the project site.

- The Contractor has reviewed the list and shall not use any apprenticeable trades on this project.

**LIST APPRENTICABLE TRADES** (check all that apply to your work to be performed on this contract)

- BRICKLAYER
- CARPENTER
- CEMENT MASON / CONCRETE FINISHER
- CEMENT MASON (HEAVY HIGHWAY)
- CONSTRUCTION CRAFT LABORER
- DATA COMMUNICATION INSTALLER
- ELECTRICIAN
- ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- GLAZIER
- HEAVY EQUIPMENT OPERATOR / OPERATING ENGINEER
- INSULATION WORKER (HEAT & FROST)
- IRON WORKER
- IRON WORKER (ASSEMBLER, METAL BLDGS)
- PAINTER & DECORATOR
- PLASTERER
- PLUMBER
- RESIDENTIAL ELECTRICIAN
- ROOFER & WATER PROOFER
- SHEET METAL WORKER
- SPRINKLER FITTER
- STEAMFITTER
- STEAMFITTER (REFRIGERATION)
- STEAMFITTER (SERVICE)
- TAPER & FINISHER
- TELECOMMUNICATIONS (VOICE, DATA & VIDEO) INSTALLER-TECHNICIAN
- TILE SETTER



**Asbestos/Lead Abatement Certification**

The apparent low bidder on any project involving asbestos and/or lead abatement activity must provide the following statement notarized and signed by an officer of the firm, before the end of the seventh calendar day after the bid opening.

**Note:** For certified statements 1-3 below: If no exceptions exist, state "None"; otherwise include project(s), date(s), description and resolution for each (attach additional sheets if necessary).

This is to certify that Robinson Brothers Environmental, Inc  
Firm Name

1) has not been issued any citations by federal, state or local regulatory agencies relating to asbestos or lead abatement activity, except as follows:

n/a

2) has not had an asbestos or lead abatement contract terminated prior to completion, except as follows:

n/a

3) has not been named in any asbestos or lead related legal proceedings/claims in which the firm (or employees scheduled to participate in this project) was involved as contractor or subcontractor, except as follows:

n/a

4) has all employees or agents who may be exposed to airborne asbestos in excess of the OSHA PEL medically determined to be physically capable of working while wearing the respirator

5) will utilize only HEPA vacuums, negative pressure ventilation units and other local exhaust ventilation equipment conforming to ANSI Z9.2-79 and that water filtration unit(s) are used in conformance with manufacturer's specifications

6) has notified rental agencies that rental equipment will be used in abatement areas or to transport asbestos contaminated waste, if contractor intends to use rented equipment

7) will utilize only NIOSH approved respiratory protective devices and that respirator fit-testing for all contractor employees and agents, who must enter the regulated area, are performed in accordance with procedures as detailed in Title 29 CFR 1926.1101, Appendix C, Qualitative and Quantitative Fit Testing Procedures

8) maintains a written hazard communication program indicating how the contractor plans to meet the requirements of OSHA 29 CFR 1926.59 relative to labeling, handling of material safety data sheets and training of employees.

The undersigned states that all of the above information is true and correct to the best of his/her knowledge.

Dated 1/6/2015

Michael A Bricco

Authorized Signature

Michael A Bricco

Printed Name

Vice President

Title

State of Wisconsin

County Dane

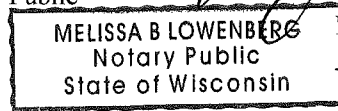
Robinson Brothers Environmental, Inc

Firm Name

Signed or attested before me on 6th day January, 2015

By: Melissa B Lowenberg  \_\_\_\_\_ Dane \_\_\_\_\_ County, WI  
Notary Public

(STAMP OR SEAL)



My Commission Expires 8/7, 20  
16.

Item Code	Description	Quantity	Units	Unit Price	Total
90001	Remove Insulation Fittings from Piping	1,637.00	EA	\$ 17.15	\$ 28,074.55
90002	Remove Doors	45	EA	\$ 80.00	\$ 3,600.00
90003	Remove Door/Window Frame Caulking/Glazing	2,248.00	LF	\$ 4.68	\$ 10,520.64
90004	Remove Insulation on Boiler Breaching	282	SF	\$ 8.75	\$ 2,467.50
90005	Remove All Fuel Chimney	45	LF	\$ 105.00	\$ 4,725.00
90006	Remove Boiler Refractory, gaskets and cement	390	SF	\$ 9.00	\$ 3,510.00
90007	Remove Exterior Caulking	1,170.00	LF	\$ 7.35	\$ 8,599.50
90008	Remove Precast Caulking	1,008.00	LF	\$ 6.50	\$ 6,552.00
90009	Remove Electrical Boxes	4.00	EA	\$ 52.00	\$ 208.00
90010	Remove Floor Tile and Mastic	337	SF	\$ 2.30	\$ 775.10
90011	Remove Transite Board/Bakolite	1	EA	\$ 52.00	\$ 52.00
90012	Remove Caulk on Duct	6.00	LF	\$ 8.70	\$ 52.20
90013	Cleanup Identified Spaces	460.00	SF	\$ 2.00	\$ 920.00
90014	Temporary Facilities	1.00	Lump Sum	\$ 3,500.00	\$ 3,500.00
90015	Temporary Enclosure of Exterior Openings	13	EA	\$ 150.00	\$ 1,950.00
10701	Traffic Control	1	Lump Sum	\$ 1,500.00	\$ 1,500.00
					\$ 77,006.49

✓  
23



**SECTION G: BID BOND**

KNOW ALL MEN BY THESE PRESENT, THAT Robinson Brothers Environmental, Inc (a corporation of the State of Wisconsin ) (individual), (partnership), hereinafter referred to as the "Principal" and THE HANOVER INSURANCE COMPANY of New Hampshire (hereinafter referred to as the "Surety") and licensed to do business in the State of Wisconsin, are held and firmly bound unto the City of Madison, (hereinafter referred to as the "Obligee"), in the sum of five per cent (5%) of the amount of the total bid or bids of the Principal herein accepted by the Obligee, for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

The conditions of this obligation are such that, whereas the Principal has submitted, to the City of Madison a certain bid, including the related alternate, and substitute bids attached hereto and hereby made a part hereof, to enter into a contract in writing for the construction of:

**HAZARDOUS WASTE REMOVAL - FIRE STATION 1  
CONTRACT NO. 7454**

1. If said bid is rejected by the Obligee, then this obligation shall be void.
2. If said bid is accepted by the Obligee and the Principal shall execute and deliver a contract in the form specified by the Obligee (properly completed in accordance with said bid) and shall furnish a bond for his/her faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void.

If said bid is accepted by the Obligee and the Principal shall fail to execute and deliver the contract and the performance and payment bond noted in 2. above executed by this Surety, or other Surety approved by the City of Madison, all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to forfeit to the Obligee as liquidated damages the sum mentioned above, it being understood that the liability of the Surety for any and all claims hereunder shall in no event exceed the sum of this obligation as stated, and it is further understood that the Principal and Surety reserve the right to recover from the Obligee that portion of the forfeited sum which exceed the actual liquidated damages incurred by the Obligee.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by an extension of the time within which the Obligee may accept such bid, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, on the day and year set forth below.

Seal ROBINSON BROTHERS ENVIRONMENTAL, INC. 1-5-15  
Principal Date

By: *M A R*



**THE HANOVER INSURANCE COMPANY**

Name of Surety

*Joseph L. Vigna*  
Joseph L. Vigna, Attorney-In-Fact

December 30, 2014  
Date

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 429050 for the year 2014/2015, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

December 30, 2014  
Date

*Joseph L. Vigna*  
Agent

17035 West Wisconsin Avenue - Suite 135  
Address

Brookfield, Wisconsin 53005  
City, State and Zip Code

262-792-2210  
Telephone Number

**NOTE TO SURETY & PRINCIPAL**

The bid submitted which this bond guarantees shall be rejected if the following instrument is not attached to this bond:

Power of Attorney showing that the agent of Surety is currently authorized to execute bonds on behalf of the Surety, and in the amounts referenced above.

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY  
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Michael T. Burg, Daniel G. Johnson, Joseph L. Vigna, Dennis Barton and/or Elizabeth M. Fedyn

of Brookfield, WI and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Twenty Million and No/100 (\$20,000,000) in any single instance


and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 5th day of January 2012.



THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

  
Robert Thomas, Vice President

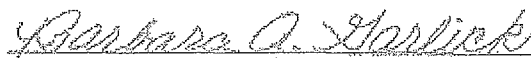
  
Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF WORCESTER ) ss.

On this 5th day of January 2012 before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



BARBARA A. GARLICK  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires Sept. 21, 2018

  
Barbara A. Garlick, Notary Public  
My Commission Expires September 21, 2018

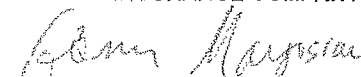
I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

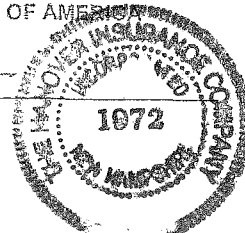
This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 30<sup>th</sup> day of Dec. 2014.

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

  
Glenn Margosian, Vice President



## SECTION H: AGREEMENT

THIS AGREEMENT made this 4<sup>th</sup> day of February in the year Two Thousand and Fifteen between **ROBINSON BROTHERS ENVIRONMENTAL, INC.**, hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted **FEBRUARY 3, 2015**, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

NOW, THEREFORE, the Contractor and the City, for the consideration hereinafter named, agree as follows:

1. **Scope of Work.** The Contractor shall, perform the construction, execution and completion of the following listed complete work or improvement in full compliance with the Plans, Specifications, Standard Specifications, Supplemental Specifications, Special Provisions and contract; perform all items of work covered or stipulated in the proposal; perform all altered or extra work; and shall furnish, unless otherwise provided in the contract, all materials, implements, machinery, equipment, tools, supplies, transportation, and labor necessary to the prosecution and completion of the work or improvements:

### HAZARDOUS WASTE REMOVAL – FIRE STATION 1 CONTRACT NO. 7454

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of SEVENTY-SEVEN THOUSAND SIX AND 49/100 (\$77,006.49) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Wage Rates for Employees of Public Works Contractors**

**General and Authorization.** The Contractor shall compensate its employees at the prevailing wage rate in accordance with section 66.0903, Wis. Stats., DWD 290 of the Wisconsin Administrative Code and as hereinafter provided unless otherwise noted in Section D: Special Provisions, Subsection 102.10 – Minimum Rate of Wage Scale.

"Public Works" shall include building or work involving the erection, construction, remodeling, repairing or demolition of buildings, parking lots, highways, streets, bridges, sidewalks, street lighting, traffic signals, sanitary sewers, water mains and appurtenances, storm sewers, and the grading and landscaping of public lands.

"Building or work" includes construction activity as distinguished from manufacturing, furnishing of materials, or servicing and maintenance work, except for the delivery of mineral aggregate such as sand, gravel, bituminous asphaltic concrete or stone which is incorporated into the work under contract with the City by depositing the material directly in final place from transporting vehicle.

"Erection, construction, remodeling, repairing" means all types of work done on a particular building or work at the site thereof in the construction or development of the project, including without limitation, erecting, construction, remodeling, repairing, altering, painting, and decorating, the transporting of materials and supplies to or from the building or work done by the employees of the Contractor, Subcontractor, or Agent thereof, and the manufacturing or furnishing of

materials, articles, supplies or equipment on the site of the building or work, by persons employed by the Contractor, Subcontractor, or Agent thereof.

"Employees working on the project" means laborers, workers, and mechanics employed directly upon the site of work.

"Laborers, Workers, and Mechanics" include pre-apprentices, helpers, trainees, learners and properly registered and indentured apprentices but exclude clerical, supervisory, and other personnel not performing manual labor.

**Establishment of Wage Rates.** The Department of Public Works shall periodically obtain a current schedule of prevailing wage rates from DWD. The schedule shall be used to establish the City of Madison Prevailing Wage Rate Schedule for Public Works Construction (prevailing wage rate). The Department of Public Works may include known increases to the prevailing wage rate which can be documented and are to occur on a future specific date. The prevailing wage rate shall be included in public works contracts subsequently negotiated or solicited by the City. Except for known increases contained within the schedule, the prevailing wage rate shall not change during the contract. The approved wage rate is attached hereto.

**Workforce Profile.** The Contractor shall, at the time of signature of the contract, notify the City Engineer in writing of the names and classifications of all the employees of the Contractor, Subcontractors, and Agents proposed for the work. In the alternative, the Contractor shall submit in writing the classifications of all the employees of the Contractor, Subcontractors and Agents and the total number of hours estimated in each classification for the work. This workforce profile(s) shall be reviewed by the City Engineer who may, within ten (10) days, object to the workforce profile(s) as not being reflective of that which would be required for the work. The Contractor may request that the workforce profile, or a portion of the workforce profile, be submitted after the signature of the contract but at least ten (10) days prior to the work commencing. Any costs or time loss resulting from modifications to the workforce profile as a result of the City Engineer's objections shall be the responsibility of the Contractor.

**Payrolls and Records.** The Contractor shall keep weekly payroll records setting forth the name, address, telephone number, classification, wage rate and fringe benefit package of all the employees who work on the contract, including the employees of the Contractor's subcontractors and agents. Such weekly payroll records must include the required information for all City contracts and all other contracts on which the employee worked during the week in which the employee worked on the contract. The Contractor shall also keep records of the individual time each employee worked on the project and for each day of the project. Such records shall also set forth the total number of hours of overtime credited to each such employee for each day and week and the amount of overtime pay received in that week. The records shall set forth the full weekly wages earned by each employee and the actual hourly wage paid to the employee.

The Contractor shall submit the weekly payroll records, including the records of the Contractor's subcontractors and agents, to the City Engineer for every week that work is being done on the contract. The submittal shall be within twenty-one (21) calendar days of the end of the Contractor's weekly pay period.

Employees shall receive the full amounts accrued at the time of the payment, computed at rates not less than those stated in the prevailing wage rate and each employee's rate shall be determined by the work that is done within the trade or occupation classification which should be properly assigned to the employee.

An employee's classification shall not be changed to a classification of a lesser rate during the contract. If, during the term of the contract, an employee works in a higher pay classification than the one which was previously properly assigned to the employee, then that employee shall be considered to be in the higher pay classification for the balance of the contract, receive the appropriate higher rate of pay, and she/he shall not receive a lesser rate during the balance of the

contract. For purposes of clarification, it is noted that there is a distinct difference between working in a different classification with higher pay and doing work within a classification that has varying rates of pay which are determined by the type of work that is done within the classification. For example, the classification "Operating Engineer" provides for different rates of pay for various classes of work and the Employer shall compensate an employee classified as an "Operating Engineer" based on the highest class of work that is done in one day. Therefore, an "Operating Engineer's" rate may vary on a day to day basis depending on the type of work that is done, but it will never be less than the base rate of an "Operating Engineer". Also, as a matter of clarification, it is recognized that an employee may work in a higher paying classification merely by chance and without prior intention, calculation or design. If such is the case and the performance of the work is truly incidental and the occurrence is infrequent, inconsequential and does not serve to undermine the single classification principle herein, then it may not be required that the employee be considered to be in the higher pay classification and receive the higher rate of pay for the duration of the contract. However, the Contractor is not precluded or prevented from paying the higher rate for the limited time that an employee performs work that is outside of the employee's proper classification.

Questions regarding an employee's classification, rate of pay or rate of pay within a classification, shall be resolved by reference to the established practice that predominates in the industry and on which the trade or occupation rate/classification is based. Rate of pay and classification disputes shall be resolved by relying upon practices established by collective bargaining agreements and guidelines used in such determination by appropriate recognized trade unions operating within the City of Madison.

The Contractor, its Subcontractors and Agents shall submit to interrogation regarding compliance with the provisions of this ordinance.

Mulcting of the employees by the Contractor, Subcontractor, and Agents on Public Works contracts, such as by kickbacks or other devices, is prohibited. The normal rate of wage of the employees of the Contractor, Subcontractor, and Agents shall not be reduced or otherwise diminished as a result of payment of the prevailing wage rate on a public works contract.

**Hourly contributions.** Hourly contributions shall be determined in accordance with the prevailing wage rate and with DWD. 290.01(10), Wis. Admin. Code.

**Apprentices and Subjourney persons.** Apprentices and sub journeypersons performing work on the project shall be compensated in accordance with the prevailing wage rate and with DWD 290.02, and 290.025, respectively, Wis. Admin. Code.

**Straight Time Wages.** The Contractor may pay straight time wages as determined by the prevailing wage rate and DWD 290.04, Wis. Admin. Code.

**Overtime Wages.** The Contractor shall pay overtime wages as required by the prevailing wage rate and DWD 290.05, Wis. Admin. Code.

**Posting of Wage Rates and Hours.** A clearly legible copy of the prevailing wage rate, together with the provisions of Sec. 66.0903(10)(a) and (11)(a), Wis. Stats., shall be kept posted in at least one conspicuous and easily accessible place at the project site by the Contractor and such notice shall remain posted during the full time any laborers, workers or mechanics are employed on the contract.

**Evidence of Compliance by Contractor.** Upon completion of the contract, the Contractor shall file with the Department of Public Works an affidavit stating:

- a. That the Contractor has complied fully with the provisions and requirements of Sec. 66.0903(3), Wis. Stats., and Chapter DWD 290, Wis. Admin. Code; the Contractor has received evidence of compliance from each of the agents and subcontractors; and the

names and addresses of all of the subcontractors and agents who worked on the contract.

- b. That full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records will be kept and the name, address and telephone number of the person who will be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

**Evidence of Compliance by Agent and Subcontractor.** Each agent and subcontractor shall file with the Contractor, upon completion of their portion of the work on the contract an affidavit stating that all the provisions of Sec. 66.0903(3), Wis. Stats., have been fully complied with and that full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records shall be kept and the name, address and telephone number of the person who shall be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

**Failure to Comply with the Prevailing Wage Rate.** If the Contractor fails to comply with the prevailing wage rate, she/he shall be in default on the contract.

5. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications and application procedures and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement  
Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. 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 insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.
2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.



3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

#### Article VIII

The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

#### Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

HAZARDOUS WASTE REMOVAL – FIRE STATION 1  
CONTRACT NO. 7454

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.

Countersigned:

ROBINSON BROTHERS ENVIRONMENTAL, INC.

Cheryl Selzer  
Witness  
1/16/15  
Date

Company Name  
Roba Brues  
Vice President  
1/16/15  
Date

Clara Harward  
Witness  
1/16/15  
Date

Michelle Kelly  
Secretary  
1/16/15  
Date

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

David Helmke  
Finance Director

Will P. King  
City Attorney

Signed this 5<sup>th</sup> day of February 20 15

Rebecca  
Witness

Jan Hyl  
Mayor  
2/5/15  
Date

Michelle  
Witness

Maibeth Witzel-Behl  
City Clerk  
2-4-15  
Date

SECTION 1: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we ROBINSON BROTHERS ENVIRONMENTAL, INC.  
as principal, and THE HANOVER INSURANCE COMPANY  
Company of Itasca, Illinois as surety, are held and firmly bound unto the City of  
Madison, Wisconsin, in the sum of SEVENTY-SEVEN THOUSAND SIX AND 49/100 (\$77,006.49)  
Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we  
hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully  
perform all of the terms of the Contract entered into between him/herself and the City of Madison for the  
construction of:

**HAZARDOUS WASTE REMOVAL – FIRE STATION 1  
CONTRACT NO. 7454**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the  
prosecution of said work, and save the City harmless from all claims for damages because of negligence  
in the prosecution of said work, and shall save harmless the said City from all claims for compensation  
(under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is  
to be void, otherwise of full force, virtue and effect.

Signed and sealed this 4th day of February, 2015

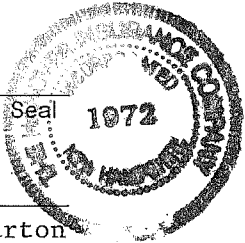
Countersigned: ROBINSON BROTHERS ENVIRONMENTAL, INC.  
Company Name (Principal)

[Signature]  
Witness  
[Signature]  
Secretary

[Signature]  
President Seal

Approved as to form:  
[Signature]  
City Attorney

THE HANOVER INSURANCE COMPANY  
Surety  
 Salary Employee  Commission  
By [Signature]  
Attorney-in-Fact Dennis M. Barton



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under  
License No. 125401 for the year 20 15, and appointed as attorney-in-fact with  
authority to execute this payment and performance bond which power of attorney has not been revoked.

February 4, 2015  
Date

[Signature]  
Agent Signature Dennis M. Barton

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

POWERS OF ATTORNEY  
CERTIFIED COPY

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Michael T. Burg, Daniel G. Johnson, Joseph L. Vigna, Dennis Barton and/or Elizabeth M. Fedyn

of Brookfield, WI and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Twenty Million and No/100 (\$20,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 5th day of January 2012.



THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

Robert Thomas, Vice President

Joe Brenstrom, Vice President

THE COMMONWEALTH OF MASSACHUSETTS )  
COUNTY OF WORCESTER ) ss.

On this 5th day of January 2012 before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



BARBARA A. GARLICK  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires Sept. 21, 2018

Barbara A. Garlick, Notary Public  
My Commission Expires September 21, 2018

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

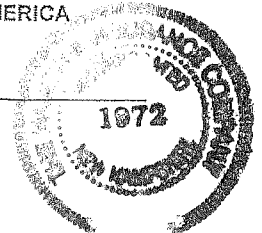
This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 4th day of Feb. 20 15.

THE HANOVER INSURANCE COMPANY  
MASSACHUSETTS BAY INSURANCE COMPANY  
CITIZENS INSURANCE COMPANY OF AMERICA

Glenn Margosian, Vice President



**SECTION J: PREVAILING WAGE RATES**

**PREVAILING WAGE RATE DETERMINATION**

Issued by the State of Wisconsin  
Department of Workforce Development  
Pursuant to s. 66.0903, Wis. Stats.  
Issued On: 01/06/2014  
Amended On: 02/28/2014

**DETERMINATION NUMBER:** 201400001

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2014. If NOT, You MUST Reapply.

**PROJECT NAME:** ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS - CITY OF MADISON

**PROJECT LOCATION:** MADISON CITY, DANE COUNTY, WI

**CONTRACTING AGENCY:** CITY OF MADISON-ENGINEERING

<b>CLASSIFICATION:</b>	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: <a href="http://dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm">dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm</a> .
<b>OVERTIME:</b>	Time and one-half must be paid for all hours worked: <ul style="list-style-type: none"><li>- over 10 hours per day on prevailing wage projects</li><li>- over 40 hours per calendar week</li><li>- Saturday and Sunday</li><li>- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;</li><li>- The day before if January 1, July 4 or December 25 falls on a Saturday;</li><li>- The day following if January 1, July 4 or December 25 falls on a Sunday.</li></ul> Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime.  A DOT Premium (discussed below) may supersede this time and one-half requirement.
<b>FUTURE INCREASE:</b>	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
<b>PREMIUM PAY:</b>	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
<b>DOT PREMIUM:</b>	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
<b>APPRENTICES:</b>	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
<b>SUBJOURNEY:</b>	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place on **the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

**The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.**

**s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR"** for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

**s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.**

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

**s. 66.0903 (11) LIABILITY AND PENALTIES.**

- (a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.
2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.
3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.
5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

**BUILDING OR HEAVY CONSTRUCTION**

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

**SKILLED TRADES**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer	30.48	15.90	46.38
102	Boilermaker Future Increase(s): Add \$1.50/hr on 1/01/2015; Add \$1.50/hr. on 01/01/2016	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.01	17.35	49.36
104	Cabinet Installer	30.48	15.90	46.38
105	Carpenter	30.48	15.90	46.38
106	Carpet Layer or Soft Floor Coverer	30.48	15.90	46.38
107	Cement Finisher	31.58	16.13	47.71
108	Drywall Taper or Finisher	24.80	16.60	41.40
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.07	19.25	53.32
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	24.72	0.00	24.72
112	Fire Sprinkler Fitter	36.07	18.73	54.80
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	33.68	24.31	57.99
115	Insulator (Batt or Blown)	15.00	9.50	24.50
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	15.90	46.38



<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
118	Line Constructor (Electrical)	38.25	17.31	55.56
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	17.35	49.36
121	Metal Building Erector	22.00	10.00	32.00
122	Millwright	32.11	15.95	48.06
123	Overhead Door Installer	20.95	4.94	25.89
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
127	Pipeline Fuser or Welder (Gas or Utility)	30.79	19.74	50.53
129	Plasterer	31.03	17.71	48.74
130	Plumber Future Increase(s): Add \$1/hr on 6/1/2014.	36.42	16.87	53.29
132	Refrigeration Mechanic	41.60	16.71	58.31
133	Rofer or Waterproofer	29.40	6.25	35.65
134	Sheet Metal Worker	34.45	22.57	57.02
135	Steamfitter Future Increase(s): Add \$1.70/hr on 6/1/2014.	42.95	17.81	60.76
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.25	12.24	34.49
138	Temperature Control Installer	32.94	18.80	51.74
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.81	17.18	46.99
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	25.92	18.04	43.96

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

**TRUCK DRIVERS**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
201	Single Axle or Two Axle	32.39	18.46	50.85
203	Three or More Axle	18.00	22.88	40.88
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	18.00	22.88	40.88
207	Truck Mechanic	18.00	22.88	40.88

**LABORERS**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender	24.21	14.63	38.84
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper	21.01	9.37	30.38
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.01	13.63	34.64
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	18.33	13.65	31.98
314	Railroad Track Laborer	23.46	3.30	26.76
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS  
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfg'r's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfg'r's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket).	33.42	18.96	52.38
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under).	32.89	18.96	51.85
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.82	18.96	49.78
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	41.65	21.71	63.36
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	37.10	21.57	58.67

507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54
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**HEAVY EQUIPMENT OPERATORS  
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Premium Increase(s): Add \$.50/hr for >200 Ton / Add \$1/hr at 300 Ton / Add \$1.50/hr at 400 Ton / Add \$2/hr at 500 Ton & Over.	35.62	18.96	54.58
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over).	36.35	6.95	43.30
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type).	33.42	18.96	52.38
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.82	18.96	49.78
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	24.19	17.89	42.08
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment).	36.34	21.14	57.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.60/hr on 06/01/2014; Add \$1.65/hr on 06/01/2015.	32.32	18.55	50.87
516	Fiber Optic Cable Equipment Future Increase(s): Add \$1.75/hr on 02/01/2014.	27.89	17.20	45.09

**SEWER, WATER OR TUNNEL CONSTRUCTION**

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

**SKILLED TRADES**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.10	18.40	53.50
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
125	Pavement Marking Operator	16.00	7.35	23.35
126	Piledriver	30.98	15.90	46.88
130	Plumber	33.75	14.07	47.82
135	Steamfitter	42.45	16.71	59.16
137	Teledata Technician or Installer	21.89	11.85	33.74

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	20.17	58.97
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

**TRUCK DRIVERS**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
201	Single Axle or Two Axle	30.00	15.00	45.00
203	Three or More Axle	16.00	7.35	23.35
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	16.00	7.35	23.35
207	Truck Mechanic	16.00	7.35	23.35

**LABORERS**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	25.60	14.62	40.22
303	Landscaper	25.28	11.46	36.74
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS  
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
521	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Premium Increase(s): Add \$ 25/hr for all >45 Ton lifting capacity cranes	34.62	18.96	53.58
522	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type).	33.42	18.96	52.38
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85



<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	35.11	19.45	54.56
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.19	20.94	51.13
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	24.19	17.89	42.08
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54

**AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

**SKILLED TRADES**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
103	Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
105	Carpenter	30.48	15.90	46.38
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.07	19.25	53.32
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
124	Painter	21.87	11.37	33.24
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
133	Rofer or Waterproofor	29.40	6.25	35.65
137	Teledata Technician or Installer	21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	35.50	15.89	51.39

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

**TRUCK DRIVERS**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
201	Single Axle or Two Axle	34.22	19.90	54.12
203	Three or More Axle Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	24.52	17.77	42.29
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/14); Add \$1.25/hr on 6/1/15); Add \$1.30/hr on 6/1/16); Add \$1.25/hr on 6/1/17. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	29.27	20.40	49.67
205	Pavement Marking Vehicle	23.31	17.13	40.44
206	Shadow or Pilot Vehicle	34.22	19.90	54.12
207	Truck Mechanic	23.31	17.13	40.44

LABORERS

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
301	General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	25.67	14.63	40.30
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS  
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	36.72	20.40	57.12
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
533	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Asphalt Heater, Planer &amp; Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Bituminous (Asphalt) Plant &amp; Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Concrete Spreader &amp; Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches &amp; A-Frames.</p> <p>Future Increase(s):                      Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015);                      Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s):                      DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.50/hr night work premium.                      See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	35.72	20.40	56.12

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
534	Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	35.46	20.40	55.86
535	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	35.17	20.40	55.57
536	Fiber Optic Cable Equipment.	26.69	16.65	43.34
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	34.50	20.04	54.54



**LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION**

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

**SKILLED TRADES**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
105	Carpenter	32.93	19.93	52.86
107	Cement Finisher	31.48	15.68	47.16
109	Electrician	31.27	22.81	54.08
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
133	Rofer or Waterproofer	29.40	6.25	35.65
137	Teledata Technician or Installer	21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	20.17	58.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

**TRUCK DRIVERS**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
203	Three or More Axle	17.00	0.00	17.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	17.00	0.00	17.00
206	Shadow or Pilot Vehicle	30.00	15.00	45.00
207	Truck Mechanic	17.00	0.00	17.00

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	28.07	13.25	41.32
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.04	14.63	43.67
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS  
CONCRETE PAVEMENT OR BRIDGE WORK**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
541	<p>Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.</p> <p>Future Increase(s):                      Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015);                      Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s):                      DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.72	20.40	57.12
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. &amp; Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s):                      Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015);                      Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s):                      DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	36.22	20.40	56.62

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
543	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Concrete Spreader &amp; Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches &amp; A-Frames.</p> <p>Future Increase(s):                      Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015);                      Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s):                      DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.50/hr night work premium.                      See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a>.</p>	35.72	20.40	56.12
544	<p>Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed &amp; Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver &amp; Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p>	33.96	19.79	53.75
545	<p>Air Compressor (&amp;/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor &amp; Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&amp;/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p>	30.32	18.46	48.78
546	Fiber Optic Cable Equipment.	26.69	16.65	43.34

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54

**HEAVY EQUIPMENT OPERATORS  
ASPHALT PAVEMENT OR OTHER WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	35.12	18.46	53.58
552	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	36.22	20.40	56.62

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.	32.89	18.96	51.85
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler.	33.67	19.48	53.15
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: <a href="http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm">http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm</a> .	35.17	20.40	55.57
556	Fiber Optic Cable Equipment.	26.69	16.65	43.34

**RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

**SKILLED TRADES**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.25/hr on 6/2/2014.	33.68	19.81	53.49
102	Boilermaker	26.00	4.73	30.73
103	Bricklayer, Blocklayer or Stonemason	32.01	13.26	45.27
104	Cabinet Installer	22.00	1.05	23.05
105	Carpenter	30.48	3.24	33.72
106	Carpet Layer or Soft Floor Coverer	23.68	3.20	26.88
107	Cement Finisher	20.93	5.94	26.87
108	Drywall Taper or Finisher	22.50	0.88	23.38
109	Electrician	27.50	7.47	34.97
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	18.52	4.89	23.41
112	Fire Sprinkler Fitter	52.82	5.54	58.36
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	30.00	0.00	30.00
115	Insulator (Batt or Blown)	19.00	14.33	33.33
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	3.24	33.72
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	13.26	45.27
121	Metal Building Erector	17.00	3.82	20.82
123	Overhead Door Installer	12.00	0.00	12.00
124	Painter	20.00	4.22	24.22

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
125	Pavement Marking Operator	30.00	0.00	30.00
129	Plasterer	25.00	0.00	25.00
130	Plumber	30.00	10.62	40.62
132	Refrigeration Mechanic	19.75	8.56	28.31
133	Rofer or Waterproofer	17.00	3.72	20.72
134	Sheet Metal Worker	21.03	3.40	24.43
135	Steamfitter	31.72	16.10	47.82
137	Teledata Technician or Installer	24.75	8.09	32.84
138	Temperature Control Installer	22.50	0.70	23.20
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.77	16.50	40.27
142	Tile Setter	21.00	0.00	21.00
143	Tuckpointer, Caulker or Cleaner	32.50	0.02	32.52
146	Well Driller or Pump Installer	27.60	5.80	33.40
147	Siding Installer	20.18	0.00	20.18

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	28.05	4.16	32.21
203	Three or More Axle	18.00	2.37	20.37
205	Pavement Marking Vehicle	18.00	2.37	20.37
207	Truck Mechanic	19.00	1.85	20.85

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	18.14	10.16	28.30
302	Asbestos Abatement Worker	17.00	3.86	20.86



**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
303	Landscaper	30.00	0.00	30.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS  
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carr Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	29.70	20.08	49.78
558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	29.70	16.00	45.70

\*\*\*\*\* END OF RATES \*\*\*\*\*