

HIGHWAY WORK PROPOSAL – RAZING AND REMOVING

Wisconsin Department of Transportation
DT1502 10/2010 s .66.29(7) Wis. Stats.

Proposal Number:

Ø 1

COUNTY	STATE PROJECT ID	PROJECT DESCRIPTION	HIGHWAY
Racine	2250-12-22	Main St/1 st St Vil Waterford Buena Park Rd to Milw Ave (STH 36)	STH 20
Washington	2709-03-20	Lovers Lane CTH Q to CTH E	STH 164

This proposal, submitted by the undersigned bidder to the Wisconsin Department of Transportation, is in accordance with the advertised request for proposals. The bidder is to furnish and deliver all materials, and to perform all work for the improvement of the designated project in the time specified, in accordance with the appended proposal requirements and conditions.

Proposal guaranty required, \$ 6,000.00

Payable to: Wisconsin Department of Transportation

Attach Proposal Guaranty.

Bid submittal due Date: June 6, 2017 Time (local time): 10:00 AM	Firm name, address, city, state, zip
Contract completion time Sixty (60) Calendar Days	
Assigned disadvantaged business enterprise goal 0 %	This contract is exempt from federal oversight.

This certifies that the undersigned bidder, duly sworn, is an authorized representative of the firm named above; that the bidder has examined and carefully prepared the bid from the plans, Highway Work Proposal, and all addenda, and has checked the same in detail before submitting this proposal or bid; and that the bidder or agents, officer, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal bid.

Do not sign, notarize or submit this highway work proposal when submitting an electronic bid on the internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State Wisconsin)

(Date Commission Expires)

Notary Seal

(Bidder Signature)

(Print or Type Bidder Name)

(Bidder Title)

For Department Use Only

Type of Work Razing and Removing	
Notice of award dated	Date guaranty returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

The bidder, signing and submitting this proposal, agrees and declares as a condition thereof, to be bound by the following conditions and requirements.

If the bidder has a corporate relationship with the proposal design engineering company, the bidder declares that it did not obtain any facts, data, or other information related to this proposal from the design engineering company that was not available to all bidders.

The bidder declares that they have carefully examined the site of, and the proposal, plans, specifications and contract forms for the work contemplated, and it is assumed that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished, and as to the requirements of the specifications, special provisions and contract. It is mutually agreed that submission of a proposal shall be considered conclusive evidence that the bidder has made such examination.

The bidder submits herewith a proposal guaranty in proper form and amount payable to the party as designated in the advertisement inviting proposals, to be retained by and become the property of the owner of the work in the event the undersigned shall fail to execute the contract and contract bond and return the same to the office of the engineer within fourteen (14) days after having been notified in writing to do so; otherwise to be returned.

The bidder declares that they understand that the estimate of quantities in the attached schedule is approximate only and that the attached quantities may be greater or less in accordance with the specifications.

The bidder agrees to perform the said work, for and in consideration of the payment of the amount becoming due on account of work performed, according to the unit prices bid in the following schedule, and to accept such amounts in full payment of said work.

The bidder declares that all of the said work will be performed at their own proper cost and expense, that they will furnish all necessary materials, labor, tools, machinery, apparatus, and other means of construction in the manner provided in the applicable specifications and the approved plans for the work together with all standard and special designs that may be designed on such plans, and the special provisions in the contract of which this proposal will become a part, if and when accepted. The bidder further agrees that the applicable specifications and all plans and working drawings are made a part hereof, as fully and completely as if attached hereto.

The bidder, if awarded the contract, agrees to begin the work not later than ten (10) days after the date of written notification from the engineer to do so, unless otherwise stipulated in the special provisions.

The bidder declares that if they are awarded the contract, they will execute the contract agreement and begin and complete the work within the time named herein, and they will file a good and sufficient surety bond for the amount of the contract for performance and also for the full amount of the contract for payment.

The bidder, if awarded the contract, shall pay all claims as required by Section 779.14, Statutes of Wisconsin, and shall be subject to and discharge all liabilities for injuries pursuant to Chapter 102 of the Statutes of Wisconsin, and all acts amendatory thereto. They shall further be responsible for any damages to property or injury to persons occurring through their own negligence or that of their employees or agents, incident to the performance of work under this contract, pursuant to the Standard Specifications for Road and Bridge Construction applicable to this contract.

In connection with the performance of work under this contract, the contractor agrees to comply with all applicable state and federal statutes relating to non-discrimination in employment. No otherwise qualified person shall be excluded from employment or otherwise be subject to discrimination in employment in any manner on the basis of age, race, religion, color, gender, national origin or ancestry, disability, arrest or conviction record (in keeping with s.111.32), sexual orientation, marital status, membership in the military reserve, honesty testing, genetic testing, and outside use of lawful products. This provision shall include, but not be limited to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship. The contractor further agrees to ensure equal opportunity in employment to all applicants and employees and to take affirmative action to attain a representative workforce.

The contractor agrees to post notices and posters setting forth the provisions of the nondiscrimination clause, in a conspicuous and easily accessible place, available for employees and applicants for employment.

If a state public official (section 19.42, Stats.) or an organization in which a state public official holds at least a 10% interest is a party to this agreement, this contract is voidable by the state unless appropriate disclosure is made to the State of Wisconsin Ethics Board.

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

Proposal Number	Project Number	Letting Date
Name of Principal		
Name of Surety	State in Which Surety is Organized	

We, the above-named Principal and the above-named Surety, are held and firmly bound unto the State of Wisconsin in the sum equal to the Proposal Guaranty for the total bid submitted for the payment to be made; we jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns. The condition of this obligation is that the Principal has submitted a bid proposal to the State of Wisconsin acting through the Department of Transportation for the improvement designated by the Proposal Number and Letting Date indicated above.

If the Principal is awarded the contract and, within the time and manner required by law after the prescribed forms are presented for signature, enters into a written contract in accordance with the bid, and files the bond with the Department of Transportation to guarantee faithful performance and payment for labor and materials, as required by law, or if the Department of Transportation shall reject all bids for the work described, then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect. In the event of failure of the Principal to enter into the contract or give the specified bond, the Principal shall pay to the Department of Transportation **within 10 business days of demand** a total equal to the Proposal Guaranty as liquidated damages; the liability of the Surety continues for the full amount of the obligation as stated until the obligation is paid in full.

The Surety, for value received, agrees that the obligations of it and its bond shall not be impaired or affected by any extension of time within which the Department of Transportation may accept the bid; and the Surety does waive notice of any such extension.

IN WITNESS, the Principal and Surety have agreed and have signed by their proper officers and have caused their corporate seals to be affixed this date: **(DATE MUST BE ENTERED)**

PRINCIPAL

(Company Name) **(Affix Corporate Seal)**

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

(Name of Surety) **(Affix Seal)**

(Signature of Attorney-in-Fact)

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

On the above date, this instrument was acknowledged before me by the named person(s).

(Signature, Notary Public, State of Wisconsin)

(Print or Type Name, Notary Public, State of Wisconsin)

(Date Commission Expires)

Notary Seal

IMPORTANT: A certified copy of Power of Attorney of the signatory agent must be attached to the bid bond.

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

Time Period Valid (From/To)	
Name of Surety	
Name of Contractor	
Certificate Holder	Wisconsin Department of Transportation

This is to certify that an annual bid bond issued by the above-named Surety is currently on file with the Wisconsin Department of Transportation.

This certificate is issued as a matter of information and conveys no rights upon the certificate holder and does not amend, extend or alter the coverage of the annual bid bond.

Cancellation: Should the above policy be cancelled before the expiration date, the issuing surety will give thirty (30) days written notice to the certificate holder indicated above.

(Signature of Authorized Contractor Representative)

(Date)

March 2010

LIST OF SUBCONTRACTORS

Section 66.0901(7), Wisconsin Statutes, provides that as a part of the proposal, the bidder also shall submit a list of the subcontractors the bidder proposes to contract with and the class of work to be performed by each. In order to qualify for inclusion in the bidder's list a subcontractor shall first submit a bid in writing, to the general contractor at least 48 hours prior to the time of the bid closing. The list may not be added to or altered without the written consent of the municipality. A proposal of a bidder is not invalid if any subcontractor and the class of work to be performed by the subcontractor has been omitted from a proposal; the omission shall be considered inadvertent or the bidder will perform the work personally.

No subcontract, whether listed herein or later proposed, may be entered into without the written consent of the Engineer as provided in Subsection 108.1 of the Standard Specifications.

[illegible]

DECEMBER 2000

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER
RESPONSIBILITY MATTERS - PRIMARY COVERED TRANSACTIONS**

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.
4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.
7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR-1273 - "Required Contract Provisions Federal Aid Construction Contracts," without

modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).
9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

- (1) The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:
 - (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

Special Provisions

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SPECIAL PROVISIONS

1. General.

The work under this contract for the construction of the following projects in Wisconsin:

Project ID 2250-12-22, Parcel 1 – Main St/1st St Vil Waterford Buena Park Rd to Milw Ave (STH 36) - Village of Waterford, Racine County;

Project ID 2709-03-20, Parcels 89, 117, & 125 – Lovers Lane CTH Q to CTH E – Village of Richfield, Washington County.

Perform the work under this construction contract as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction 2017 Edition and these special provisions including the Additional Special Provisions (ASP's).

This Razing and Removing Proposal has been developed under the U.S. standard measure system.

The Standard Specifications for Highway and Structure Construction 2017 Edition is available for browsing, download, or to place an order for a hard copy at:

<http://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/rdwy/stndspec.aspx>

Those who do not have access to the web may order a hard copy of the specifications through:

WI Department of Administration - Document Sales and Distribution Section
202 S. Thornton Avenue, PO Box 7840, Madison WI 53707-7840
Phone: (608) 266-3358

2. Scope of Work.

Work under this contract includes razing and removing buildings, disposing of all material and debris, removing all miscellaneous land improvements, if any, placing compacted backfill in the exposed basements and openings resulting from the removal of the buildings, and grading the vacant site. (See Parcel Exhibits included in this proposal.) Do not disturb adjacent property.

Keep the abutting highway free of debris and mud throughout performance of the work under this contract.

Abandon the present sanitary sewer or septic system and water systems in accordance to current statutes, ordinances, and regulations.

Plank with suitable timbers the public streets and highways, which serve as access for heavy equipment, to preclude any damages to said facilities. Repair all damages to these public facilities or replace them with like materials at contractor expense.

Maintain all roads, highways, or public places adjacent to any building or buildings being razed or removed, in a debris or litter-free condition throughout the life of this contract.

However, should the use of the above highways be required for razing or backfilling operations, erect splashboards or reflector panels and place warning signs at appropriate locations to protect the general public.

Raze and remove the buildings and backfill the resulting exposed openings at the following locations:

<u>Project</u>	<u>Parcel</u>	<u>Type of Building</u>	<u>Address</u>
2250-12-22	1	1,725 SF single family residence and attached 180 SF one-car garage. House also has a 464 SF wraparound porch and a 112 SF enclosed porch. 606 SF basement, an estimated cistern of 168 SF and a crawl space estimated at 329 SF. Foundation is stone and concrete block walls. House is wood frame finished with stone stucco in average to poor condition. Asphalt shingle, flat roof over part of kitchen is rubber or other. Well, municipal water and sewer. Water meter has been removed and water shut off at the curb per Waterford Water & Sewer (262) 534-3980. Other improvements to be removed include: Barn (30 x 38, 2-story) and granary (15x20, 2 story) wood frame with stone foundation, wood dog house, concrete slab and wind mill structure, well with exterior pump and motor – to be properly abandoned, barbed wire fencing to west of barn, stone retaining wall adjacent to barn, concrete slab adjacent to barn. Stone retaining wall along sidewalk to be removed. <i>Note 1:</i> Soil contamination exists on this parcel, should not interfere with removal activities. Do not excavate more than necessary. The environmental report will be available for contractor reference. <i>Note 2:</i> Basement steps are unsafe. Concerns for safety also exist regarding the floor in the upper granary and barn. <i>Note 3:</i>	619 W Main St Waterford, WI 53185

Personal property remaining at site to be removed by demolition contractor, including tires. Photos in the exhibits section. *Note 4:* Concrete/asphalt paving areas (driveway/parking) may remain unless disturbed or damaged during demolition. *Note 5:* Final grade, finish surface layer with approximate 2" depth of compacted crushed gravel, stone or concrete (dense grade ≤ 3 inch) over removal areas and any other areas disturbed during demolition.

2709-03-20	89	1,221 SF brick exterior single family residence and a full block basement. Well and septic to be properly abandoned. There is a Cistern to also be removed from the property. Other improvements to be removed include: 936 sf wood frame barn with concrete floor and storage loft. Exterior components, including all concrete access walks/pads and asphalt driveways to be removed. <i>Note 1:</i> Heating oil UST onsite. Will be removed prior to demo by WisDOT environmental consultant. <i>Note 2:</i> Final grade finish to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch.	1636 STH 164, Hubertus, WI 53033
2709-03-20	117	1,688 SF single family residence. Original structure built in the 1880's as a log cabin; a remodel and addition were done in the 1970s. Vinyl flooring in kitchen, laminate flooring in dining room, living room and bedrooms are carpeted. Full unfinished basement. There is an attached two car garage with separate wood doors with electric openers. Exterior of house is brick veneer and aluminum sided. Aluminum and wood windows. There was a fireplace in the dining area that was covered with drywall at some point prior to 2000. Well and septic to be properly abandoned. There is a likely a second well or dry well that also needs to be addressed (see exhibits). <i>Note 1:</i> There may be some personal property onsite that contractor to dispose of, including a refrigerator. <i>Note 2:</i> Remove small rock pond and any landscaping damaged during removal of house. <i>Note 3:</i> There is a front porch (23 x 7) and a rear patio (16 x 30). <i>Note 4:</i> Final grade finish to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch. <i>Note 5:</i> Herb Lofy, neighbor, would like to work with contractor regarding original structure, phone and email will be provided to contractor at notice to proceed.	2097 STH 164, Richfield, WI 53076

2709-03-20	125	<p>Approx 2,942 SF three family residence comprised of a two bedroom unit of 1,243 SF and a one bedroom unit of 440 SF. The second floor is a four bedroom unit containing 1,259 SF. The structure has a stone and poured concrete foundation and wood frame walls. An area about 21 feet by about 29 feet in the middle of the east side has a full, stone basement, log floor joists and the walls around the outside of this area are about a foot thick. There is a detached 20 x 40 block construction four car garage with newer 8' x 7' overhead doors and a loft. Well and two tank conventional septic system to be appropriately abandoned. <i>Note 1:</i> Final grade finish to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch.</p>	<p>2103 STH 164, Richfield, WI 53076</p>
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Perform the following:

1. Remove the structures and septic tank from the premises.
2. Remove and dispose of all asbestos and hazardous materials in compliance to current local, state, and federal guidelines and laws, including asbestos not discovered in the pre-razing inspections included in these specifications. The most recent edition of any applicable standard, code, or regulation shall be in effect. Where conflict among the requirements of these specifications occurs, follow the most stringent. Only a qualified and certified asbestos removal contractor shall perform the removal of asbestos. If not licensed to remove asbestos, employ a certified subcontractor to perform this work. An inspection report for each building indicating the presence or absence of asbestos in exposed positions of the structure is included in this proposal, unless otherwise indicated.
3. The successful bidder shall arrange for the public and/or private utility companies to disconnect their services and remove meters. Make arrangements with the local plumbing inspectors to inspect the abandonment of well and septic systems and/or sewer and water laterals. In accordance to state laws and administrative rules, licensed well driller and pump installer contractors shall accomplish all water well abandonment.
4. Conduct all demolition, removal, and backfilling operations in such a manner that all conflicts with vehicular traffic on adjacent streets and highways are avoided. Use barricades or fencing, or both, when needed to guarantee the safety of pedestrians or motorists.
5. Upon completion of the backfilling operations of the exposed basements and other openings, fine-grade and shape the area. Also, topsoil (conforming to standard spec 625.2), fertilize (conforming to standard spec 629.2.1.3), seed using #10 mixture

(conforming to standard spec 630.2.1.5.1.1.1), and mulch (conforming to standard spec 627.3.1) right of way affected.

3. Prosecution and Progress.

Begin work within ten calendar days after the engineer issues a written notice to do so.

Give definite notice of intention to start work to the Wisconsin Department of Transportation, SE Region, Attn: Michael Jenders / Laura Sadler, 141 NW Barstow St., P.O. Box 798, Waukesha WI 53187-0798, Phone (414) 870-8822, at least 72 hours in advance of beginning work.

In the event that some structures are not vacant and available when the order to start is issued, begin work on the parcels that are vacant and available, and continue with operations until the available structures have been razed or removed, the resulting exposed basements removed in their entirety and removed from the site, and all openings backfilled. Notify the department's representative when the vacated and available structures have been removed and the exposed openings backfilled. Suspend operations until the remaining structures become vacant and available; contract time will not be charged during such period of suspension. Resume work within ten days after the date the department representative has issued a written order to do so. In the event that a structure or structures are not available to the contractor within a period of 270 days subsequent to the execution of the contract by the State, due to their occupancy or other circumstances, the contractor may have the option to request release of said unavailable structure or structures from the contract.

On those contracts executed under Option B, the contractor may, after the expiration of the period defined above, request the deletion of a parcel or parcels from the group in the contract. The deletion of a parcel or parcels shall be accomplished by contract change order negotiated at the price listed for such parcel in the contract.

However, should the contractor submit his bid under Option A, in which payment is made to the State by the contractor, and the above unavailable conditions should exist, the unavailable parcel or parcels shall be deleted from the contract. The unavailable parcel or parcels shall be released from the contract at no expense to the department, except for the return of the money in the amount or amounts entered and submitted for said parcel or parcels under contract change order.

The contract time affected by the deletion of the parcel or parcels will be terminated on the date of the last suspension date of the completion of the work of the last structure or structures.

Unless otherwise specifically provided, no additional or extra compensation or additional contract time will be allowed due to deferment or suspension of operations.

Should the contractor, whether the bid is submitted under Option "A" or Option "B", fail to complete the work within the time agreed upon in the contract or within such extra time as may be allowed by extension, there shall be liquidated damages deducted from any monies due the contractor, for each and every calendar day, including Sundays and holidays, that the work shall remain uncompleted, in accordance with standard spec 108.11. The sum shall be considered and treated not as a penalty, but as fixed, agreed, and liquidated damages due the State from the contractor by reason of inconvenience to the public, added cost of engineering and supervision, and other items that have caused an expenditure of public funds resulting from the failure to complete the work within the time specified in the contract.

Permitting the contractor to continue and finish the work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, shall in no way operate as a waiver on the part of the department of any of its rights under the contract.

4. Proposal Requirements and Conditions.

Standard spec 102.1, Prequalifying Bidders, shall not apply to this contract; however, prior to awarding a contract, the department may require the bidder to produce evidence that he, she or it has performed work of a similar character in a satisfactory manner.

5. Subletting or Assignment of Contract.

Standard spec 108.1, which prescribes the minimum amount of work to be performed with the contractor's own organization, shall not apply to this contract. However, if a subcontractor (including, but not limited to, asbestos removal specialists) will be employed, the bidder shall attach the name, address and specialty of that contractor to the page of the bid in the spaces indicated for that use.

6. Award of Contract.

The department will consider the bids submitted in the proposal and reserve the right to award the work on the basis of lowest responsible bidder, meeting all terms and conditions of these specifications.

7. Cancellation of Contract.

In the event the building(s) should be so severely damaged by fire, windstorm, or other act of God as to materially impair the salvage value of the material contained therein after the bid has been made and submitted on the date and hour set forth and before the contract has been executed by the state and the contractor notified thereof, the contractor may file a request for the cancellation of the contract. If, upon finding by the department that such is

the fact, the department will cancel the contract and relieve the contractor of all responsibility there under.

In the event, however, that the department should determine that such damage is only minor or inconsequential, the contractor will be required to fulfill the terms of this contract.

8. Standard Insurance Requirements.

Standard insurance requirements shall be in accordance with standard spec 107.26 and as hereinafter provided.

If this project includes only razing and removing of residential units, revise the insurance table provided in paragraph 1 of standard spec 107.26 as follows:

Type of Insurance	Minimum Limits Required*
1. Commercial General Liability Insurance; shall be endorsed to include blanket contractual liability coverage.	\$2 Million Combined Single Limits per Occurrence; may be subject to an Annual Aggregate Limit of not less than \$2 Million.
2. Workers' Compensation and Employer's Liability Insurance.	Workers' Compensation: Statutory Limits Employer's Liability: Bodily Injury by Accident: \$100,000 Each Accident Bodily Injury by Disease: \$500,000 Each Accident \$100,000 Each Employee
3. Commercial Automobile Liability Insurance; shall cover all contractor-owned, non-owned, and hired vehicles used in carrying out the contract.	\$1 Million-Combined Single Limits Per Occurrence.

**The contractor may satisfy these requirements through primary insurance coverage or through a combination of primary and excess/umbrella policies.*

9. Traffic.

Maintain pedestrian and vehicular traffic on the roads and highways adjacent to these premises through the life of this contract.

10. Legal Relations and Responsibility to the Public.

Add the following to standard spec 107.3:

Procure all permits necessary to carry out the work, including those necessary while the roads and highways are obstructed either by operations or by the storage of equipment or materials.

The awarding of this contract does not guarantee the issuance of a permit to move any structures over state highways.

The contractor agrees not to move any of the structures within a proposed highway corridor of the State of Wisconsin.

Add the following to standard spec 107.8:

Notify the local law enforcement agency, fire department, and any surface transportation company that may be affected by the anticipated street obstructions or hazards.

Add the following to standard spec 107.22:

Notify the various public or municipal utility companies to disconnect and remove such of their facilities as may be in the buildings, or attached to them, sufficiently in advance of beginning razing operations to allow the utilities to make their disconnections.

11. Protection of Streams, Lakes and Reservoirs.

Standard spec 107.18 shall apply.

12. Underground Fuel Storage Tanks.

The successful bidder will be supplied with a copy of the Environmental Site Assessment for each parcel for which an assessment was deemed necessary or for sites on which underground storage tanks were removed. A private consultant will remove any tanks discovered during the Environmental Site Assessment before razing activities begin.

If tanks are discovered on the site during razing that were not removed as part of or in the absence of an Environmental Site Assessment, immediately cease razing operations on the site and contact the department. The department will hire a private consultant to remove the discovered tanks.

13. Asbestos Removal.

Comply with the requirements of the Environmental Protection Agency (EPA) regulations, National Emission Standards for Asbestos, the Occupational, Safety and Health Administration (OSHA) regulations on asbestos removal, all applicable Wisconsin Department of Natural Resources (DNR) regulations, and local government regulations. The most recent editions of all applicable standards, codes or regulations shall be in effect. Where conflict among the requirements of these specifications occurs, follow the most stringent. In addition, the following requirements apply to this work:

Any person performing asbestos abatement must comply with all training and certification requirements, rules, regulations and laws of the State of Wisconsin regarding asbestos removal. If you plan to demolish a building that may contain or is known to contain asbestos, proper notification must be provided to the Department of Natural Resources (DNR) and the Wisconsin Department of Health Services (DHS), at least 10 working days before starting the work. *Note:* Wisconsin DNR Central Office phone: (608) 266-2621 – reference: *DNR Form 4500-113 "Notification of Demolition and/or Renovation and Application for Permit Exemption"*. Wisconsin DHS Asbestos & Lead Section Central Office phone (608) 261-6876 - reference: *DHS Form F-00041 "Asbestos Project Notification"*.

Reference: <http://dnr.wi.gov/topic/Demo/Asbestos.html>

Reference: <http://dhs.wisconsin.gov/waldo>

Asbestos removal is considered incidental to razing and removing buildings and will not be measured for payment separately.

14. Notice to Department of Natural Resources.

Notify the SE Regional Office of the Department of Natural Resources (DNR) located at 2300 N. Dr. Martin Luther King Dr., P.O. Box 12436, Milwaukee, WI 53212 Phone (414) 263-8500, at least ten working days in advance of the contractor's intent to raze or otherwise remove each parcel. In the notice to DNR, include the address and type of building(s) to be razed or removed, the proposed date that each will be razed or removed, and the name of the licensed or approved landfill where the demolition waste will be disposed. Mail a copy of this notice within ten days of DNR notification to: WisDOT-DTSD-SE Region - Attn: Michael Jenders / Laura Sadler, P.O. Box 798, Waukesha, WI 53187-0798.

The contractor's failure to comply with the requirements of this article shall subject the contractor to a penalty of liquidated damages pursuant to standard spec 108.11. The liquidated damages formula will apply for each day in which the provisions of this article are not met.

The well abandonment subcontractor shall prepare and submit to the DNR the Well Abandonment Report form(s), required by law in the manner prescribed herein.

Provide copy of the Well Abandonment Report form(s), within 30 days of abandonment, to: WisDOT-DTSD- WisDOT-DTSD-SE Region - Attn: Attn: Michael Jenders / Laura Sadler, P.O. Box 798, Waukesha, WI 53187-0798.

15. Disposal of Materials.

Add the following to standard spec 104.8:

All salvage removed from the buildings, including fixtures and appurtenances such as screens and storm sash, shall be the property of the contractor and shall be entirely removed from the premises.

Clear the entire premises of all decomposable and combustible refuse, debris, and materials resulting from the removal of the buildings. Upon completion of the work, leave the entire premises in a neat condition. Do not deposit or leave decomposable or combustible refuse, debris, or materials resulting from the removal of the buildings on any state-owned lands, or right-of-way of any highways, including any exposed openings resulting from razing activities.

All living trees, shrubs, evergreens and other vegetation shall remain the department's property. Use care to preserve as much of the landscaping as is reasonably possible.

16. Custody of the Building.

Upon written order by the department representative to commence work, the buildings and surrounding state-owned property shall be under the custody of the contractor. Nothing in this proposal shall be interpreted as setting forth the condition of any building or the appurtenances thereto. Except as otherwise provided herein, it is to be understood that the department accepts no responsibility for the protection of buildings and appurtenances against damages sustained either prior to or subsequent to the time of the letting of the work under this contract. The contractor shall take such measures as are necessary to safeguard the public from damages or injury.

While the buildings are in the contractor's custody, keep the buildings in a closed condition. Do not remove doors or windows from the buildings until the actual day of

razing, unless all openings are sealed as approved by the engineer. Only the contractor and his subcontractor shall salvage building components. At all times, do not allow the general public in the buildings or on the grounds.

17. Removing Buildings.

Amend standard spec 204.3.2.3 to allow removal of buildings, by relocation, intact to a new site beyond the right of way limits.

If the contractor elects to move structure(s) from the parcels, regardless if bidding under Option A or B, but fails to remove the structure(s) from the premises by the time set forth earlier in this contract for completion, the contractor shall forfeit any and all rights, title and interest in the structure(s), and the structure(s) and any salvageable materials remaining on the premises shall revert to the ownership and control of the Wisconsin Department of Transportation to dispose of as it sees fit; but nothing shall in any way release the contractor from any of the contractor's duties, obligations or liability under the terms and provisions of this contract. The contractor shall not sell, nor in any manner transfer title of the structure(s) to a third party until the structure(s) is removed from the right-of-way limits.

The department has no knowledge regarding the condition of the structure(s) or their related components. The department cannot and does not warrant the condition of the structure(s) or their components, nor does the department warrant, guarantee, or imply the suitability of the structure(s) for moving.

18. Removal and Razing Operations.

This work shall be in accordance with standard spec 204 and as hereinafter provided.

Furnish all labor, equipment, tools, transportation, and incidentals necessary for the performance of the work.

Remove all concrete steps, concrete sidewalks, and concrete slabs from the premises.

In compliance with the ordinances and permit requirements of the municipality in which the buildings are situated, and in the presence of the local governing unit, a certified/licensed well driller, pump installer or water system operator shall seal or abandon all sewer and water lines and/or wells pursuant to Wisconsin Statute §280.30 and the Natural Resources portion of the Wisconsin Administrative Code covered under NR 811 and 812.

Until standing walls have been razed, the walls shall be reasonably and safely braced at all times to ensure complete safety during the wrecking operations.

Break and remove entirely from the site all basement walls, floors and footings.

Dispose of all non-hazardous demolition waste in a landfill licensed or approved in writing by the Department of Natural Resources and in accordance with NR500, Wisconsin Administrative Code. Failure to properly dispose of solid waste is a violation of State Solid Waste Statutes and Administrative code and is subject to issuance of a citation under Wisconsin Statute §287.81(2)(a).

Remove all hazardous materials from the site, only after proper notification and compliance with the department requirements of the Wisconsin Department of Natural Resources (DNR) and local government regulations.

Remove all material from the premises in a safe manner and in compliance with all applicable laws and ordinances. Do not disturb adjacent property.

19. Backfill.

Prior to any backfill operations, notify the regional office of the Department of Transportation to inspect all exposed areas resulting from the razing and removal operations. Contact Wisconsin Department of Transportation, SE Region, Attn: Michael Jenders / Laura Sadler, P.O Box 798, Waukesha, WI 53187-0798, Phone (414) 870-8822 for this inspection.

Ensure that all exposed basements and openings are free of all refuse and debris.

Backfill exposed basements and openings in accordance with standard spec 204.3.1.2 to the present surrounding ground elevation. Compaction of backfill shall be in accordance with standard spec 207.3.6.2. Furnish backfill meeting the requirements of standard spec 209 for use as backfill material.

Fill the septic systems with granular material and abandon all wells and/or sanitary sewers, if any, in compliance with all ordinances and permit requirements of the municipality in which the buildings are situated and those of the State of Wisconsin.

20. Fencing.

After removing the buildings, furnish and erect suitable fencing around the basement, porch openings, and other large open excavations to protect and safeguard the public from all hazardous conditions created by the operations. Install the fencing in such a manner to ensure that the general public is prevented from falling into any openings. The fence shall be a height of 52 inches, and the posts shall be at least 58-inches high and spaced at a distance no greater than ten feet apart. After all open excavations have been backfilled satisfactorily, remove the fencing.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

Within 10 calendar days of receiving a progress payment for work completed by a subcontractor, pay the subcontractor for that work. The prime contractor may withhold payment to a subcontractor if, within 10 calendar days of receipt of that progress payment, the prime contractor provides written notification to the subcontractor and the department documenting "just cause" for withholding payment.

The prime contractor may also withhold routine retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

Ensure that subcontracting agreements at all tiers provide prompt payment rights to lower-tier subcontractors that parallel those granted first-tier subcontractors in this provision.

Release of Routine Retainage

After granting substantial completion the department may reduce the routine retainage withheld from the prime contractor to 75 percent of the original total amount retained.

When the Department sends the semi-final estimate the department may reduce the routine retainage withheld from the prime contractor to 10 percent of the original total amount retained.

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work and that no routine retainage is being withheld. The department will pay the prime contractor in full and reduce the routine retainage withheld from the prime contractor to zero when the department approves the final estimate.

This special provision does not limit the right of the department, prime contractor, or subcontractors at any tier to withhold payment for work not acceptably completed or work subject to an unresolved contract dispute.

ADDITIONAL SPECIAL PROVISION 6
ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

440.3.5.2 Corrective Actions for Localized Roughness

Replace paragraph two with the following effective with the September 2016 letting:

- (2) The engineer will not direct corrective action or assess a pay reduction for an area of localized roughness without physically riding that work. The engineer will not direct corrective action on bridges without authorization from the department's bureau of structures.
-

450.3.1.1.4 Recording Truck Loads

Replace the entire text with the following effective with the December 2016 letting:

- (1) If not using automatic batch recording, install a digital recorder as part of the platform truck or storage silo scales. Ensure that the recorder can produce a printed digital record of at least the gross or net weights of delivery trucks. Provide gross, tare, net weights, load count, and the cumulative tonnage; the date, time, ticket number, WisDOT project ID, and mix 250 number; and the mix type including the traffic, binder, and mix designation codes specified in 460.3.1. Ensure that scales cannot be manually manipulated during the printing process. Provide an interlock to prevent printing until the scales come to rest. Size the scales and recorder to accurately weigh the heaviest loaded trucks or tractor-trailers hauling asphaltic mixture. Ensure that recorded weights are accurate to within 0.1 percent of the nominal capacity of the scale.
 - (2) Ensure that tickets identify additives not included in the mix design submittal. Indicate on the ticket if the mixture will be placed under a cold weather paving plan and identify the warm mix additive and dosage rate required under 450.3.2.1.2.2.
-

455.3.2.1 General

Replace paragraph one with the following effective with the December 2016 letting:

- (1) Apply tack coat only when the air temperature is 32 F or more unless the engineer approves otherwise in writing. Before applying tack coat ensure that the surface is reasonably free of loose dirt, dust, or other foreign matter. Do not apply to surfaces with standing water. Do not apply if weather or surface conditions are unfavorable or before impending rains.
-

460.2.1 General

Replace the entire text with the following effective with the December 2016 letting:

- (1) Furnish a homogeneous mixture of coarse aggregate, fine aggregate, mineral filler if required, SMA stabilizer if required, recycled material if used, warm mix asphalt additive or process if used, and asphaltic material. Design mixtures conforming to table 460-1 and table 460-2 to 4.0% air voids to establish the aggregate structure.
- (2) Determine the target JMF asphalt binder content for production from the mix design data corresponding to 3.0% air voids (97% Gmm) target at the design the number of gyrations (Ndes). Add liquid asphalt to achieve the required air voids at Ndes.
- (3) For SMA, determine the target JMF asphalt binder content for production from the mix design data corresponding to 4.0% air voids (96% Gmm) target at Ndes.

460.2.8.2.1.5 Control Limits

Replace paragraph one with the following effective with the December 2016 letting:

- (1) Conform to the following control limits for the JMF and warning limits based on a running average of the last 4 data points:

ITEM	JMF LIMITS	WARNING LIMITS
Percent passing given sieve:		
37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
75-µm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent ^[1]	+1.3/-1.0	+1.0/-0.7
VMA in percent ^[2]	- 0.5	- 0.2

^[1] For SMA, JMF limits are +/-1.3 and warning limits are +/-1.0.

^[2] VMA limits based on minimum requirement for mix design nominal maximum aggregate size in table 460-1.

460.2.8.2.1.6 Job Mix Formula Adjustment

Replace paragraph one with the following effective with the December 2016 letting:

- (1) The contractor may request adjustment of the JMF according to CMM 8-36.6.13.1. Have an HMA technician certified at a level appropriate for process control and troubleshooting or mix design submit a written JMF adjustment request. Ensure that the resulting JMF is within specified master gradation bands. The department will have a certified Hot Mix Asphalt, Mix Design, Report Submittals technician review the proposed adjustment and, if acceptable, issue a revised JMF.

460.2.8.3.1.6 Acceptable Verification Parameters

Replace paragraph one with the following effective with the December 2016 letting:

- (1) The engineer will provide test results to the contractor within 2 mixture-production days after obtaining the sample. The quality of the product is acceptably verified if it meets the following limits:
- Va is within a range of 2.0 to 4.3 percent. For SMA, Va is within a range of 2.7 to 5.3 percent.
 - VMA is within minus 0.5 of the minimum requirement for the mix design nominal maximum aggregate size.

460.3.3.1 Minimum Required Density

Replace paragraph one with the following effective with the December 2016 letting:

- (1) Compact all layers of HMA mixture to the density table 460-3 shows for the applicable mixture, location, and layer.

TABLE 460-3 MINIMUM REQUIRED DENSITY^[1]

LOCATION	LAYER	PERCENT OF TARGET MAXIMUM DENSITY		
		MIXTURE TYPE		
		LT and MT	HT	SMA ^[5]
TRAFFIC LANES ^[2]	LOWER	93.0 ^[3]	93.0 ^[4]	—
	UPPER	93.0	93.0	—
SIDE ROADS, CROSSOVERS, TURN LANES, & RAMPS	LOWER	93.0 ^[3]	93.0 ^[4]	—
	UPPER	93.0	93.0	—
SHOULDERS & APPURTENANCES	LOWER	91.0	91.0	—
	UPPER	92.0	92.0	—

^[1] The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer may investigate the acceptability of that material.

^[2] Includes parking lanes as determined by the engineer.

^[3] Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

^[4] Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

^[5] The minimum required densities for SMA mixtures are determined according to CMM 8-15.

460.5.2.1 General

Replace paragraph six with the following effective with the December 2016 letting:

- (6) If during a QV dispute resolution investigation the department discovers mixture with $1.5 > V_a > 5.0$ or VMA more than 1.0 below the minimum allowed in table 460-1, and the engineer allows that mixture to remain in place, the department will pay for the quantity of affected material at 50 percent of the contract price.

460.5.2.3 Incentive for HMA Pavement Density

Replace paragraph one with the following effective with the December 2016 letting:

- (1) If the lot density is greater than the minimum specified in table 460-3 and all individual air voids test results for that mixture placed during the same day are within 2.5 - 4.0 percent, the department will adjust pay for that lot as follows:

INCENTIVE PAY ADJUSTMENT FOR HMA PAVEMENT DENSITY^[1]

PERCENT LOT DENSITY ABOVE SPECIFIED MINIMUM	PAY ADJUSTMENT PER TON ^[2]
From -0.4 to 1.0 inclusive	\$0
From 1.1 to 1.8 inclusive	\$0.40
More than 1.8	\$0.80

^[1] SMA pavements are not eligible for density incentive.

^[2] The department will prorate the pay adjustment for a partial lot.

501.2.6 Fly Ash

Replace the entire subsection with the following effective with the December 2016 letting:

501.2.6.1 General

- (1) Fly ash is defined as a finely divided residue resulting from the combustion of coal in a base loaded electric generating plant, transported from the boiler by flue gases, and later collected, generally by precipitators. Use fly ash in concrete manufactured by facilities and processes known to provide satisfactory material.
- (2) Test fly ash using a recognized laboratory, as defined in 501.2.2(1), starting at least 30 days before its proposed use, and continuing at ASTM-required frequencies as the work progresses. The manufacturer shall test the chemical and physical properties listed in tables 1 and 2 of ASTM C618 at the frequencies and by the test methods prescribed in ASTM C311.
- (3) Use only one source of fly ash for a bid item of work under the contract, unless the engineer directs or allows otherwise in writing.
- (4) Prequalify any proposed fly ash source as follows: The contractor shall obtain a copy of the certified report of tests or analysis made by a qualified independent laboratory, recognized by the department under 501.2.2, showing full and complete compliance with the above specification from the fly ash manufacturer and furnish it to the engineer. Provide this report to the engineer at least 14 calendar days before using the fly ash.
- (5) The manufacturer shall retain test records for at least 5 years after completing the work, and provide these records upon request.

501.2.6.2 Class C Ash

- (1) Conform to ASTM C618 class C except limit the loss on ignition to a maximum of 2 percent.

501.2.6.3 Class F Ash

- (2) Furnish a class F fly ash from a source listed on the department's approved product list, and conform to ASTM C618 class F except limit the loss on ignition to a maximum of 2 percent.

502.3.7.8 Floors

Replace paragraph sixteen with the following effective with the September 2016 letting:

- (16) The finished bridge floor shall conform to the surface test specified in 415.3.10. The engineer will not direct corrective grinding without authorization from the department's bureau of structures.

503.3.2.1.1 Tolerances

Increase the "length of beam" max tolerance for prestressed concrete I-type girders from 3/4" to 1 1/2" effective with the December 2016 letting:

PRESTRESSED CONCRETE I-TYPE GIRDERS

Length of beam..... +/- 1/8" per 10', up to a max of +/- 1 1/2"

517.3.1.7.3 Epoxy System Intermediate and Protective Coats

Replace paragraph one with the following effective with the December 2016 letting:

- (1) Mask the faying surfaces of bolted field splices and the top of the top flanges where welding the stud shear connectors during coat application. On all other areas including the outside surfaces of splice plates, ensure that the dry film thickness conforms to the following:
 1. For the white intermediate coat, 3.5 mils to 8 mils.
 2. For the protective coat, sufficient thickness to provide a uniform color and appearance but not less than 3 mil or more than 6 mils.

Errata

Make the following corrections to the standard specifications:

Throughout the contract:

Update all references to the construction rental rate "Blue Book" to reference "EquipmentWatch" rates.

105.13.4 Content of Claim

- (1) Include the following 5 items in the claim.
 1. A concise description of the claim.
 2. A clear contractual basis for the claim. This should include reference to 104.2 on revisions to the contract and as appropriate, specific reference to contract language regarding the bid items in question.
 3. Other facts the contractor relies on to support the claim.
 4. A concise statement of the circumstances surrounding the claim and reasons why the department should pay the claim. Explain how the claimed work is a change to the contract work.
 5. A complete breakdown of the costs used to compile the claim. Include copies of all EquipmentWatch equipment rental rate sheets used, with the applicable number highlighted.

109.4.5.5.1 General

- (2) The department will pay for use of contractor-owned equipment the engineer approves for force account work at published rates. The department will pay the contractor expense rates, as modified in 109.4.5.5, given in EquipmentWatch Cost Recovery (formerly Rental Rate Blue Book) . Base all rates on revisions effective on January 1 for all equipment used in that calendar year.

<http://equipmentwatch.com/estimator/>

109.4.5.5.2 Hourly Equipment Expense Rates (Without Operators)

- (1) The contractor shall determine, and the department will confirm, hourly equipment expense rates as follows:

$$\text{HEER} = [\text{RAF} \times \text{ARA} \times (\text{R}/176)] + \text{HOC}$$

Where:

HEER = Hourly equipment expense rate.

RAF = EquipmentWatch regional adjustment factor.

ARA = EquipmentWatch age rate adjustment factor.

R = Current EquipmentWatch monthly rate.

HOC = EquipmentWatch estimated hourly operating cost.

- (2) The EquipmentWatch hourly operating cost represents all costs of equipment operation, including fuel and oil, lubrication, field repairs, tires, expendable parts, and supplies.

109.4.5.5.3 Hourly Equipment Stand-By Rate

- (1) For equipment that is in operational condition and is standing-by with the engineer's approval, the contractor shall determine, and the department will confirm, the hourly stand-by rate as follows:

$$\text{HSBR} = \text{RAF} \times \text{ARA} \times (\text{R}/176) \times (1/2)$$

Where:

HSBR = Hourly stand-by rate.

RAF = EquipmentWatch regional adjustment factor.

ARA = EquipmentWatch age rate adjustment factor.

R = Current EquipmentWatch monthly rate.

- (2) The department will limit payment for stand-by to 10 hours or less per day up to 40 hours per week. The department will not pay the contractor for equipment that is inoperable due to breakdown. The department will not pay for idle equipment if the contractor suspends work or if the contractor is maintaining or repairing the equipment.

109.4.5.5.4 Hourly Outside-Rented Equipment Rate

- (1) If the contractor rents or leases equipment from a third party for force account work, the contractor shall determine, and the department will confirm, the hourly outside-rented equipment rate as follows:

$$\text{HORER} = \text{HRI} + \text{HOC}$$

Where:

HORER = Hourly outside-rented equipment rate

HRI = Hourly rental invoice costs prorated for the actual number of hours that rented equipment is operated solely on force account work

HOC = EquipmentWatch hourly operating cost.

109.2 Scope of Payment

Correct errata to clarify that work under the contract is included in payment unless specifically excluded.

- (2) The department will pay for the quantity of work acceptably completed and measured for payment as the measurement subsection for each bid item specifies. Within the contract provide means to furnish and install the work complete and in-place. Payment is full compensation for everything required to perform the work under the contract including, but not limited to, the work elements listed in the payment subsection. Payment also includes all of the following not specifically excluded in that payment subsection:
1. Furnishing and installing all materials as well as furnishing the labor, tools, supplies, equipment, and incidentals necessary to perform the work.
 2. All losses or damages, except as specified in 107.14, arising from one or more of the following:
 - The nature of the work.
 - The action of the elements.
 - Unforeseen difficulties encountered during prosecution of the work.
 3. All insurance costs, expenses, and risks connected with the prosecution of the work.
 4. All expenses incurred because of an engineer-ordered suspension, except as specified in 104.2.2.3.
 5. All infringements of patents, trademarks, or copyrights.
 6. All other expenses incurred to complete and protect the work under the contract.

204.3.2.2.1 General

Correct errata by removing the reference to 490 which was deleted effective with the 2017 spec.

- (1) Under the Removing Pavement bid item, remove concrete pavements, concrete alleys, concrete driveways, or rigid base including all surfaces or other pavements superimposed on them.

657.2.2.1.1 General

Correct errata by eliminating the reference to department provided arms in the last sentence.

- (1) Furnish shop drawings as specified in 506.3.2, except submit 5 copies with the materials list. Ensure the drawings contain sufficient detail to allow satisfactory review and show the outside diameters of the pole at the butt, top, and splice locations the plans show. Show the width, depth, length, and thickness of all material, and list pertinent ASTM specification designations and metal alloy designations together with the tensile strength of metallic members. Provide tightening procedures for arm-to-pole connections on the shop drawings.

657.2.2.1.4 Poles Designed Under Legacy Standards

Correct errata by deleting the entire subsection to eliminate redundant language.

657.2.2.2 Trombone Arms

Correct errata by changing the reference from 657.2.2.1.3 to 657.2.2.1.2.

- (1) Design aluminum trombone arms as specified in 657.2.2.1.2 based on the completed maximum loading configuration the plans show. Furnish shop drawings conforming to 657.2.2.1.1 that show the width, depth, length, and thickness of all members. Also list the ASTM alloy designation and strength of each aluminum member on the shop drawings.

Non-discrimination Provisions

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. Compliance with Regulations: The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, Federal Highway Administration, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination: The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.

3. Solicitations for Subcontracts, Including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.

4. Information and Reports: The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the Federal Highway Administration to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the Federal Highway Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

- a. Withholding payments to the contractor under the contract until the contractor complies; and/or
- b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the Federal Highway Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

Effective August 2015 letting

BUY AMERICA PROVISION

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials from smelting forward in the manufacturing process must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project. The contractor shall take actions and provide documentation conforming to CMM 2-28.5 to ensure compliance with this "Buy America" provision.

<http://wisconsindot.gov/rdwy/cmm/cm-02-28.pdf>

Upon completion of the project certify to the engineer, in writing using department form WS4567, that all steel, iron, and coating processes for steel or iron incorporated into the contract work conform to these "Buy America" provisions. Attach a list of exemptions and their associated costs to the certification form. Department form WS4567 is available at:

<http://wisconsindot.gov/hcciDocs/contracting-info/ws4567.doc>

Effective with February 2017 Letting

**WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF
TRANSPORTATION AND SYSTEM DEVELOPMENT**

SUPPLEMENTAL REQUIRED CONTRACT PROVISIONS

- I.** Prevailing Wage Rates, Hours of Labor, and Payment of Wages
- II.** Payroll Requirements
- III.** Postings at the Site of the Work
- IV.** Wage Rate Distribution
- V.** Additional Classifications

**I. PREVAILING WAGE RATES, HOURS OF LABOR AND PAYMENT OF
WAGES**

The U.S. Department of Labor (Davis-Bacon Minimum Wage Rates) attached hereto and made a part hereof furnishes the prevailing wage rates pursuant to Section 84.062 of the Wisconsin Statutes. These wage rates are the minimum required to be paid to the laborers, workers, mechanics and truck drivers employed by contractors and subcontractors on the construction work embraced by the contract and subject to prevailing hours and wages under Section 84.062, Stats. Apprentices shall be paid at rates not less than those prescribed in their apprenticeship contract.

While the wage rates shown are the minimum rates required by the contract to be paid during its life, this is not a representation that labor can be obtained at these rates. It is the responsibility of bidders to inform themselves as to the local labor conditions and prospective changes or adjustments of wage rates. No increase in the contract price shall be allowed or authorized on account of the payment of wage rates in excess of those listed herein.

Pursuant to Section 16.856 of the Wisconsin Statutes, the prevailing hours of labor have been determined to be up to 10 hours per day and 40 hours per calendar week Monday through Friday. If any laborer, worker, mechanic or truck driver is permitted or required to work more than the prevailing number of hours per day or per calendar week on this contract, they shall be paid for all hours in excess of the prevailing hours at a rate of at least one and one-half (1 1/2) times their hourly base rate of pay. All work on Saturday, Sunday and the following holidays is to be paid at time and a half:

January 1

Last Monday in May

July 4

First Monday in September

Fourth Thursday in November

December 25

The day before if January 1, July 4 or December 25 falls on a Saturday, and

The day following if January 1, July 4 or December 25 falls on a Sunday.

All laborers, workers, mechanics and truck drivers shall be paid unconditionally not less often than once a week. Persons who own and operate their own trucks must receive the prevailing truck driver rate for the applicable type of truck (i.e. 2 axle, 3 or more axle, articulated, euclid or dumptor) he or she operates, plus an agreed upon amount for the use of his or her truck. Every owner-operator **MUST** be paid separately for their driving and for the use of their truck.

II. PAYROLL REQUIREMENTS

All contractors and subcontractors must submit weekly Certified Payrolls and Compliance Statement verifying that all laborers, workers, mechanics and truck drivers working on the project have been paid the prevailing wage rates for all work performed under the contract required by Section 84.062 of the Wisconsin Statutes.

III. POSTINGS AT THE SITE OF THE WORK

In addition to the required postings furnished by the Department, the contractor shall post the following in at least one conspicuous and accessible place at the site of work:

- a. "NOTICE TO EMPLOYEES," which provides information required to be posted by the provisions of Section 84.062 of the Wisconsin Statutes.
- b. A copy of the U.S. Department of Labor (Davis-Bacon, Minimum Wage Rates).
- c. A copy of the contractor's Equal Employment Opportunity Policy.

All required documents shall be posted by the first day of work and be accurate and complete. Postings must be readable, in an area where they will be noticed, and maintained until the last day of work.

IV. WAGE RATE REDISTRIBUTION

A contractor or subcontractor performing work subject to a Davis-Bacon wage determination may discharge its minimum wage obligations for the payment of both straight time wages and fringe benefits by (1) paying both in cash, (2) making payments or incurring costs for bona fide fringe benefits, or (3) by a combination thereof. Thus, under the Davis-Bacon a contractor may offset an amount of monetary wages paid in excess of the minimum wage required under the determination to satisfy its fringe benefit obligations. *See* 40 USC 3142(d) and 29 CFR 5.31.

V. ADDITIONAL CLASSIFICATIONS

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5(a)(1)(ii)). The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination.

The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

- a. The work to be performed by the classification requested is not performed by a classification in the wage determination; and
- b. The classification is utilized in the area by the construction industry; and
- c. The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

General Decision Number: WI170009 04/14/2017 WI9

Superseded General Decision Number: WI20160009

State: Wisconsin

Construction Type: Building

County: Racine County in Wisconsin.

BUILDING CONSTRUCTION PROJECTS (Does not include single family homes and apartments up to and including 4 stories)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	02/17/2017
2	03/17/2017
3	03/31/2017
4	04/14/2017

ASBE0205-001 06/01/2001

	Rates	Fringes
Asbestos Removal worker/hazardous material handler		
Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not.....	\$ 17.90	4.45

* BOIL0107-001 01/01/2017

	Rates	Fringes
BOILERMAKER		
Boilermaker.....	\$ 35.65	29.89
Small Boiler Repair (under 25,000 lbs/hr).....	\$ 26.91	16.00

BRWI0004-001 06/01/2016

	Rates	Fringes
BRICKLAYER.....	\$ 36.59	21.49
TILE SETTER.....	\$ 29.94	21.49

CARP0264-002 06/01/2016

	Rates	Fringes
Carpenter & Soft Floor Layer (Including Acoustical Work and Drywall Hanging; Excluding Batt Insulation).....	\$ 35.78	22.11

CARP2337-006 06/01/2016

	Rates	Fringes
MILLWRIGHT.....	\$ 29.98	21.53

CARP2337-007 06/01/2016

	Rates	Fringes
PILEDRIVERMAN.....	\$ 31.03	22.69

ELEC0014-005 05/30/2016

	Rates	Fringes
Teledata System Installer Installer/Technician.....	\$ 24.35	13.15

Low voltage construction, installation, maintenance and removal of teledata facilities (voice, data, and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area networks), LAN (local area networks), and ISDN (integrated systems digital network).

ELEC0430-001 06/01/2016

Except Burlington Township

	Rates	Fringes
ELECTRICIAN.....	\$ 36.07	21.84

ELEC0890-002 06/01/2016

Burlington Township

	Rates	Fringes
ELECTRICIAN.....	\$ 32.45	26.10% + \$10.56

 ELEV0015-001 01/01/2017

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 46.49	31.585

FOOTNOTE:

PAID VACATION: 8% of regular basic for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.

PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

 ENGI0139-001 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 43.21	20.40
Group 2.....	\$ 42.71	20.40
Group 3.....	\$ 42.21	20.40
Group 4.....	\$ 41.52	20.40
Group 5.....	\$ 39.34	20.40
Group 6.....	\$ 34.19	20.40

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leadsand/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantrys (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or without attachments); Boiler Operators (temporary heat); Refrigeration Plant/Freeze Machines; Power Pack Vibratory/Ultra Sound Drivers and Extractors; Welding Machines; Heaters (mechanical); Pumps; Winches (small electric); Oiler and Greaser; Rotary Drill Tender; Conveyor; Forklifts/Telehandler 8000 lbs & under; Elevators: Automatic Hoists; Pumps (well points); Combination Small Equipment Operators

IRON0008-005 06/01/2016

	Rates	Fringes
IRONWORKER.....	\$ 33.15	25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor

Day, Thanksgiving Day & Christmas Day.

LABO0113-012 06/01/2016

	Rates	Fringes
Laborer: Asbestos/hazardous material remover		
Preparation, removal, and encapsulation of hazardous materials from non-mechanical systems.....	\$ 28.01	17.88
LABORER		
General Laborer.....	\$ 28.86	18.74
Plaster Laborer, Mason Tender.....	\$ 29.01	18.74

PAIN0108-001 06/01/2016

	Rates	Fringes
Painters:		
Brush, Roller, Drywall Finisher.....	\$ 32.74	18.70
Spray, Sandblast.....	\$ 33.74	18.70

PAIN1204-002 06/01/2016

	Rates	Fringes
GLAZIER.....	\$ 34.64	19.70

PLAS0599-009 06/01/2014

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 29.11	20.72
PLASTERER.....	\$ 28.11	21.47

PLUM0118-001 06/01/2016

	Rates	Fringes
PLUMBER/PIPEFITTER (Including HVAC work).....	\$ 40.95	19.95

SFWI0669-002 04/01/2016

	Rates	Fringes
SPRINKLER FITTER.....	\$ 39.48	19.36

SHEE0018-028 09/01/2010

	Rates	Fringes
SHEET METAL WORKER.....	\$ 31.85	22.50

TEAM0662-003 06/05/2016

	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 28.26	16.77
3 or more Axles.....	\$ 28.26	16.77

 SUWI2002-006 01/23/2002

	Rates	Fringes
Asbestos Worker/Heat and Frost Insulator.....	\$ 25.36	8.37
Laborers:		
Concrete Worker.....	\$ 16.34	3.59
Landscape.....	\$ 8.73	4.90
ROOFER.....	\$ 18.01	3.28
Tile & Marble Finisher.....	\$ 13.89	8.60

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

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

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

 The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular

rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

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

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

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

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

4.) All decisions by the Administrative Review Board are final.

END OF GENERAL DECISION

General Decision Number: WI170001 04/14/2017 WI1

Superseded General Decision Number: WI20160001

State: Wisconsin

Construction Type: Building

Counties: Milwaukee, Ozaukee, Washington and Waukesha
Counties in Wisconsin.

BUILDING CONSTRUCTION PROJECTS (Does not include residential construction consisting of single family homes and apartments up to and including 4 stories)

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.20 for calendar year 2017 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.20 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2017. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/06/2017
1	02/17/2017
2	03/17/2017
3	03/31/2017
4	04/14/2017

ASBE0205-001 06/01/2001

	Rates	Fringes
Asbestos Removal worker/hazardous material handler		
Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not.....	\$ 17.90	4.45

* BOIL0107-001 01/01/2017

	Rates	Fringes
BOILERMAKER		

Boilermaker.....	\$ 35.65	29.89
Small Boiler Repair (under		
25,000 lbs/hr).....	\$ 26.91	16.00

* BRWI0005-001 06/01/2016

	Rates	Fringes
TERRAZZO WORKER.....	\$ 32.39	19.65
TILE LAYER.....	\$ 31.39	19.65

BRWI0008-001 06/01/2016

	Rates	Fringes
BRICKLAYER.....	\$ 36.98	20.62

BRWI0008-003 06/01/2016

	Rates	Fringes
Marble Mason.....	\$ 36.98	20.62

CARP0264-001 06/01/2016

	Rates	Fringes
Carpenter & Soft Floor Layer (Including Acoustical work and Drywall hanging; Excluding Batt Insulation).....	\$ 35.78	22.11

CARP2337-002 06/01/2016

	Rates	Fringes
MILLWRIGHT.....	\$ 29.98	21.53

CARP2337-008 06/01/2016

	Rates	Fringes
PILEDRIVERMAN.....	\$ 31.03	22.69

ELEC0494-001 06/01/2016

	Rates	Fringes
ELECTRICIAN.....	\$ 36.01	24.00

ELEC0494-003 06/01/2015

	Rates	Fringes
Sound & Communications		
Installer.....	\$ 16.47	14.84
Technician.....	\$ 26.00	17.70

Installation, testing, maintenance, operation and servicing of
all sound, intercom, telephone interconnect, closed circuit TV

systems, radio systems, background music systems, language laboratories, electronic carillon, antenna distribution systems, clock and program systems and low-voltage systems such as visual nurse call, audio/visual nurse call systems, doctors entrance register systems. Includes all wire and cable carrying audio, visual, data, light and radio frequency signals. Includes the installation of conduit, wiremold, or raceways in existing structures that have been occupied for six months or more where required for the protection of the wire or cable, but does not mean a complete conduit or raceway system. work covered does not include the installation of conduit, wiremold or any raceways in any new construction, or the installation of power supply outlets by means of which external electric power is supplied to any of the foregoing equipment or products

ELEV0015-001 01/01/2017

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 46.49	31.585

FOOTNOTE:

PAID VACATION: 8% of regular basic for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.

PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

ENGI0139-001 06/01/2016

KENOSHA, MILWAUKEE, OZAUKEE, RACINE, WASHINGTON, AND WAUKESHA COUNTIES

	Rates	Fringes
Power Equipment Operator		
Group 1.....	\$ 43.21	20.40
Group 2.....	\$ 42.71	20.40
Group 3.....	\$ 42.21	20.40
Group 4.....	\$ 41.52	20.40
Group 5.....	\$ 39.34	20.40
Group 6.....	\$ 34.19	20.40

HAZARDOUS WASTE PREMIUMS:

EPA Level "A" Protection: \$3.00 per hour

EPA Level "B" Protection: \$2.00 per hour

EPA Level "C" Protection: \$1.00 per hour

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or w/o attachments with a lifting capacity of over 100 tons; or Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leads, and/or jib lengths

measuring 176 feet or longer; Self-Erecting Tower Cranes over 4000 lbs lifting capacity; All Cranes with Boom Dollies; Boring Machines (directional); Master Mechanic. \$0.50 additional per hour per 100 tons or 100 ft of boom over 200 ft or lifting capacity of crane over 200 tons to a maximum of 300 tons or 300 ft. Thereafter an increase of \$0.01 per ft or ton, whichever is greater.

GROUP 2: Cranes, Tower Cranes, Pedestal Tower Cranes and Derricks with or without attachments with a lifting capacity of 100 tons or less; or Cranes, Tower Cranes Portable Tower Cranes, Pedestal Tower Cranes and Derricks with boom, leadsand/or jib lengths measuring 175 feet or less; Backhoes (excavators) 130,000 lbs and over; Caisson Rigs; Pile Drivers; Boring Machines (vertical or horizontal), Versi-Lift, Tri-Lift, Gantry 20,000 lbs & over.

GROUP 3: Backhoe (excavator) under 130,000 lbs; Self-erecting Tower Crane 4000 lbs & under lifting capacity; Traveling Crane (bridge type); Skid Rigs; Dredge Operator; Mechanic; Concrete Paver (over 27E); Concrete Spreader and Distributor; Forklift/ Telehandler (machinery- moving / steel erection); Hydro Blaster, 10,000 psi and over

GROUP 4: Material Hoists; Stack Hoists; Hydraulic Backhoe (tractor or truck mounted); Hydraulic Crane, 5 tons or under (tractor or truck mounted); Hoist (tuggers 5 tons & over); Hydro-Excavators/Daylighters; Concrete Pumps Rotec type Conveyors; Tractor/Bulldozer/End Loader (over 40 hp); Motor Patrol; Scraper Operator; Sideboom; Straddle Carrier; Welder; Bituminous Plant and Paver Operator; Roller over 5 tons; Rail Leveling Machine (Railroad); Tie Placer; Tie Extractor; Tie Tamper; Stone Leveler; Rotary Drill Operator and Blaster; Percussion Drill Operator; Air Track Drill and/or Hammers; Gantrys (under 20,000 lbs); Tencher (wheel type or chain type having 8 inch or larger bucket); Milling Machine; Off-Road Material Haulers.

GROUP 5: Backfiller; Concrete Auto Breaker (large); Concrete Finishing Machines (road type); Rubber Tired Roller; Concrete Batch Hopper; Concrete Conveyor Systems; Grout Pumps; Concrete Mixers (14S or over); Screw Type Pumps and Gypsum Pumps; Tractor, Bulldozer, End Loader (under 40 hp); Trencher (chain type, bucket under 8 inch); Industrial Locomotives; Rollers under 5 tons; Stump Grinder/Chipper (Large); Timber Equipment; Firemen (pile drivers and derricks); Personnel Hoist, Telehandler over 8000 lbs; Robotic Tool Carrier with or without attachments

GROUP 6: Tampers - Compactors (riding type); Assistant Engineer; A-Frames and Winch Trucks; Concrete Auto Breaker; Hydrohammers (small); Brooms and Sweepers; Hoist (tuggers under 5 tons); Boats (Tug, Safety, Work Barges, Launch); Shouldering Machine Operator; Prestress Machines; Screed Operator; Stone Crushers and Screening Plants; Screed Operators (milling machine), Farm or Industrial Tractor Mounted Equipment; Post Hole Digger; Fireman (asphalt plants); Air Compressors over 400 CFM; Generators, over 150 KW; Augers (vertical and horizontal); Air, Electric, Hydraulic Jacks (slipform); Skid Steer Loaders (with or

without attachments); Boiler Operators (temporary heat);
 Refrigeration Plant/Freeze Machines; Power Pack
 Vibratory/Ultra Sound Drivers and Extractors; Welding
 Machines; Heaters (mechanical); Pumps; Winches (small
 electric); Oiler and Greaser; Rotary Drill Tender;
 Conveyor; Forklifts/Telehandler 8000 lbs & under;
 Elevators: Automatic Hoists; Pumps (well points);
 Combination Small Equipment Operators

IRON0008-005 06/01/2016

	Rates	Fringes
IRONWORKER.....	\$ 33.15	25.42

Paid Holidays: New Year's Day, Memorial Day, July 4th, Labor
 Day, Thanksgiving Day & Christmas Day.

LABO0113-001 06/01/2016

	Rates	Fringes
LABORER		
(1) General Laborer (Including Plaster Tender)...	\$ 30.01	18.74
(2) Air & Electric Equipment, Mortar Mixer, Scaffold Builder, Erector, and Swing Stage.....	\$ 30.12	18.74
(3) Jackhammer Operator, Gunnite Machine Man.....	\$ 30.23	18.74
(4) Caisson Worker - Topman.	\$ 30.32	18.74
(5) Construction Specialist.	\$ 30.48	18.74
(6) Nozzleman.....	\$ 30.52	18.74
(7) Caisson Work.....	\$ 30.67	18.74
(8) Barco Tamper.....	\$ 31.23	18.74

LABO0113-010 06/01/2016

	Rates	Fringes
Asbestos Laborer		
Asbestos Abatement [Preparation, removal, and encapsulation of hazardous materials from non- mechanical systems].....	\$ 30.01	18.74

PAIN0781-001 06/01/2016

	Rates	Fringes
Painters:		
(1) Brush, Roller.....	\$ 30.07	22.19
(2) Spray & Sandblast.....	\$ 30.82	22.19
(3) Drywall Taper/Finisher..	\$ 30.42	22.19

PAIN1204-002 06/01/2016

	Rates	Fringes
GLAZIER.....	\$ 34.64	19.70

PLAS0599-004 06/01/2013		
	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER....	\$ 31.47	18.53

PLAS0599-005 06/01/2015		
	Rates	Fringes
PLASTERER.....	\$ 31.69	20.60

PLUM0075-001 06/01/2016		
	Rates	Fringes
PLUMBER (Including HVAC work)....	\$ 40.27	21.47

PLUM0601-001 06/01/2016		
	Rates	Fringes
PIPEFITTER (Including HVAC work).....	\$ 43.26	22.96

SFWI0183-001 01/01/2017		
	Rates	Fringes
SPRINKLER FITTER.....	\$ 40.76	21.72

SHEE0018-001 06/01/2011		
	Rates	Fringes
Sheet Metal Worker (Including HVAC duct work and Technicians).....	\$ 37.20	17.01

TEAM0662-003 06/05/2016		
	Rates	Fringes
TRUCK DRIVER		
1 & 2 Axles.....	\$ 28.26	16.77
3 or more Axles.....	\$ 28.26	16.77

SUWI2002-002 01/23/2002		
	Rates	Fringes
Asbestos Worker/Heat and Frost Insulator.....	\$ 25.36	8.37

Laborers:		

Concrete Worker.....	\$ 16.34	3.59
Landscape.....	\$ 8.73	8.40
ROOFER.....	\$ 18.01	3.28
Tile & Marble Finisher.....	\$ 13.89	7.43

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

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

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

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number,

005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

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

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

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

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

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

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

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

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

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Exhibits

ID 2250-12-22 – Parcel 1

Removal, Grading, Backfill

Site Sketch – Floor Plans

Photos

Location Map

Asbestos Inspection and Abatement Report

ID 2250-12-22, Parcel 1 – 619 W Main Street, Waterford WI

REMOVE: 1,725 SF two story, single family residence with attached 180 SF one-car garage. House contains a 606 SF basement, a cistern estimated at 168 SF and a crawl space of 329 SF. Wood frame construction with 464 SF wraparound porch. The site improvements to remove include a wood frame and stone foundation barn and granary, wood doghouse, concrete slab and windmill structure, well with exterior pump, barbed wire fencing, two stone retaining walls. Water meter has been removed and water shut off at the curb per Waterford Water & Sewer (262) 534-3980.

GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions – Article 2. Note 1: Soil contamination exists on this parcel and should not interfere with removal activities. The environmental report will be available for contractor reference. Note 2: Final grade, finish surface layer with approximate 2” depth of compacted crushed gravel, stone, or concrete (dense grade \leq 3 inch) over removal areas and any other areas disturbed during demolition.

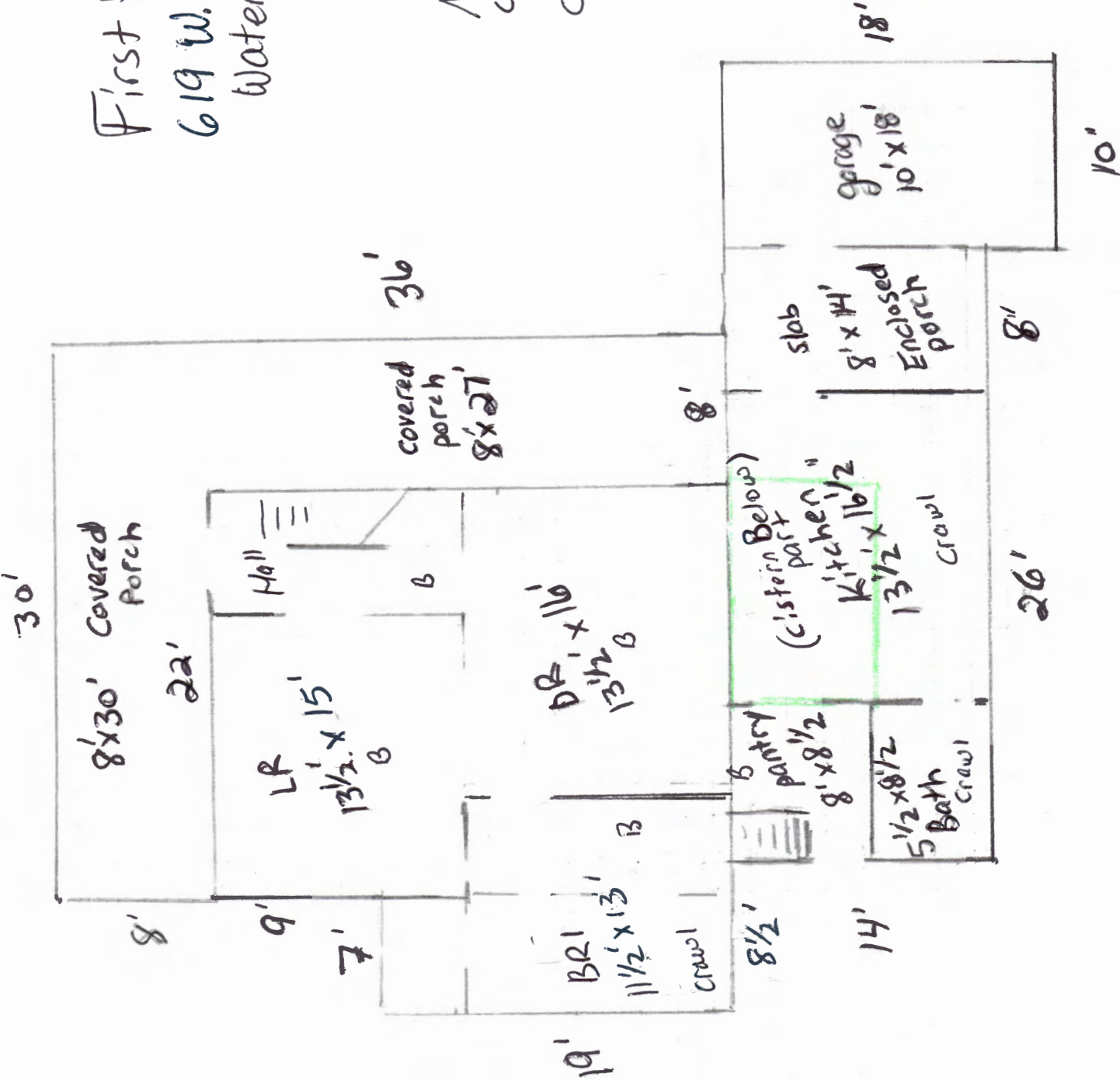
BACKFILL: Reference Special Provisions Article 19 and the Special Requirements under Article 2 – Scope of Work, of these provisions. Well – Concrete or Other Material Acceptable to the Wisconsin Department of Natural Resources.

Site Sketch / Floor Plans: Following pages

N
4

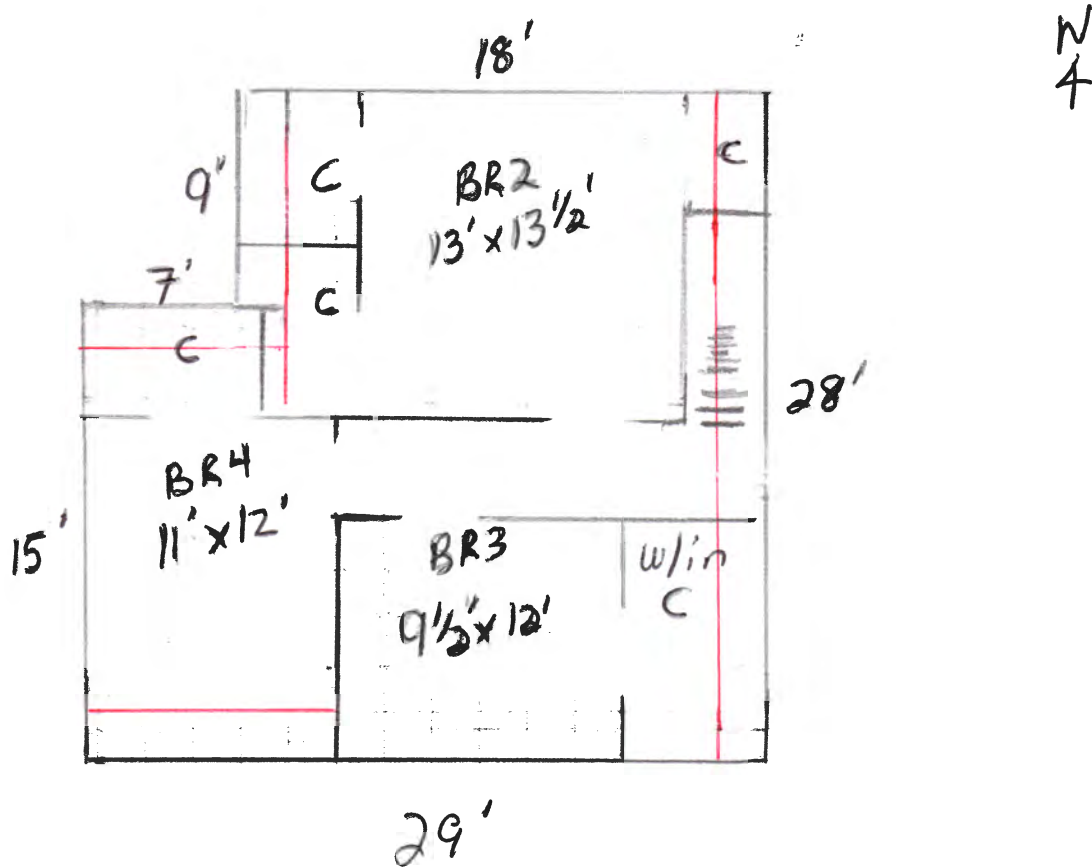
First Floor
619 W. Main Street
Waterford, WI

Note: □
cistern dimensions
based on owner
comments. Actual
dimensions unknown



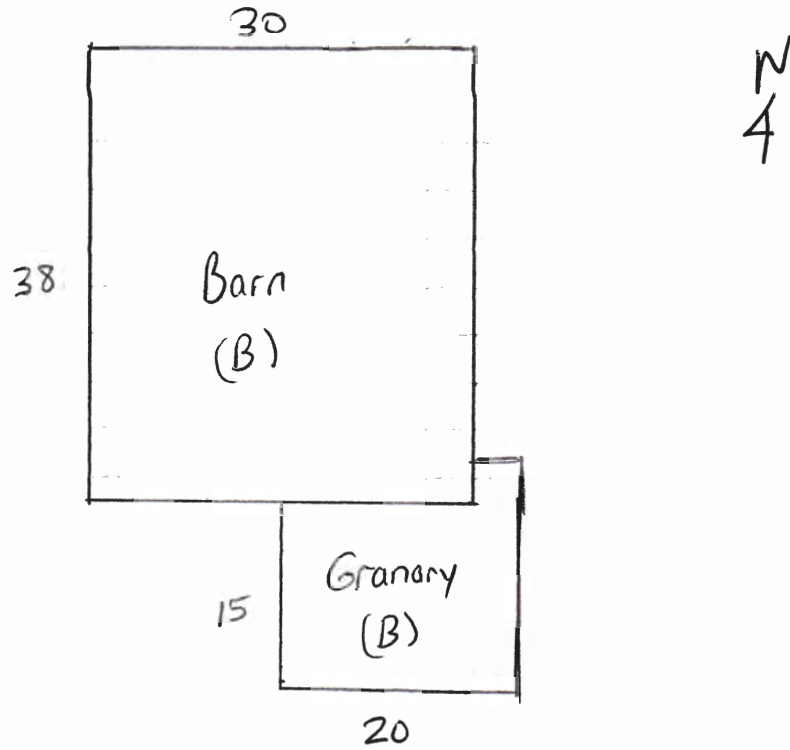
House Floor Plan

Second Floor / Half Story



Outbuilding Floor Plan

Barn + Granary



Improvements Description

Building:	<p>Home has four bedrooms, one bathroom, kitchen, dining room, living room, a mud room, a covered wrap around porch, of wood frame and pebble stucco siding. The home also has an enclosed porch on slab and a one-car attached garage of wood frame and wood siding.</p> <p>The appraiser has used the extraordinary assumption that the basement measures 22 feet by 28 feet for a total of 616 square feet, the cistern measures 8 feet by 21 feet for a total of 168 square feet, and the crawl space under the bathroom and part of the kitchen is 329 square feet for a total of 1,113 square feet. Of note is that the assessor indicates a full basement area of 1,113 square feet. However, the assessor made an exterior inspection only.</p>
Year Built:	<p>The home is possibly as old as the 1880s, with two additions prior to about 1930s. Overall estimated year built is about 1900, indicating an age of about 116 years old.</p>
Footings & Foundation:	<p>Concrete block and stone foundation. Foundation of wrap around porch is textured concrete block with numerous areas of shifting and cracking. Stone foundation for crawl space has some panels that were used to cover these areas that have fallen away. The enclosed porch appears to have poured concrete foundation.</p>
Framing:	<p>Wood</p>
Floor:	<p>Wood joists and wood subfloor</p>
Roof:	<p>Asphalt shingle on main part of home replaced about 15 years ago. Flat roof over part of kitchen is rubber or other. Asphalt shingle over remaining home and covered porch is older, perhaps 35 years old. Wood fascia and under hang. Aluminum gutters and downspouts.</p>
Exterior Walls:	<p>Pebble stucco in average to poor condition with many areas falling off.</p>
Floors Finishes:	<p>Wood laminate in kitchen about 10 years old. Vinyl floor in bathroom in fair condition. Old linoleum in west side mud room in poor condition. Carpet over wood floors in dining room, living room, first floor bedroom and one bedroom upstairs from the 1970s in worn condition. Wood floors in front hall and two upstairs bedrooms in need of refinishing. Enclosed and covered porches are concrete slab.</p>
Ceilings:	<p>Painted plaster in kitchen, bathroom, and living room and two bedrooms upstairs. Acoustical ceiling tile in dining room. Painted 12' X 12' ceiling tiles in first floor bedroom. Painted plywood panels in one bedroom upstairs. Covered porch has painted tongue and groove wood ceiling in fair condition.</p>
Electrical Service:	<p>Upgraded panel with circuit breakers in front hallway. Electrical meter in front hallway. Evidence of older lighting and lighting that is most likely not to code in several areas, including the bathroom.</p>

Improvements Description

Interior Wall Finishes:	Faux brick, painted plaster and wallpaper over plaster in kitchen. Wallpaper over plaster in front hallway. Painted plaster in bathroom, west side mud room, and one bedroom upstairs. 1970s paneling in dining room. Painted plywood panels in first floor bedroom and two bedrooms upstairs. Enclosed porch has 1970s wood paneling. Covered porch had windows and/or screens at one time, but most are long gone.
Lighting:	Fluorescent in kitchen, many single overhead bulb fixtures.
Windows & Doors:	Double hung with most in poor condition. Wood-framed storm windows. Some original wood trim. Wood interior doors, some original. Large walk-in closets in all bedrooms.
Kitchen Finish:	One large cast iron sink unit. Kitchen cupboards include some of 1970s vintage and some older wood painted cabinets from the 1920s or so.
Bathroom Finish:	Ceramic tile around tub is falling off. One wall mounted commercial type porcelain sink, one cast iron tub and one toilet.
Mechanicals:	Gas fired boiler for hot water heat replaced about ten years ago. Baseboard radiator heat throughout home. One gas fired water heater. The venting for the water heater and boiler is suspect, and likely not to code.
Appliances:	None
Basement:	Unfinished with part concrete and part dirt floor. A cistern was observed through a small opening in the south wall. However, the area of this feature could not be measured due to a lack of access. The staircase to the basement is short, narrow and steep.
Site Improvements:	Wood dog house, concrete slab and wind mill structure, well with exterior pump and motor, gravel/dirt driveway, perennials, remnant barbed wire fencing to west of barn, stone retaining wall adjacent to barn, concrete slab adjacent to barn. Block retaining wall along the Main Street frontage is encroaching into the right-of-way.
Landscaping:	The site has about 16 evergreen trees including some very ice mature white pine. Other trees include about six large maple trees, two large oak trees, one black walnut tree, two box elder trees, one ash tree, and five other mature deciduous trees. The site has about three lilac bushes. Deciduous bushes are planted around the home foundation. About nine evergreen trees are dead or mostly dead. There are some trees and brush around the barn and along the Main Street frontage. Many of the bushes, including lilac bushes along the eastern lot line, are owned by the adjacent property owner. The lawn is in average to fair condition.
Garage:	One-car attached constructed in the 1920s with two wood swinging doors. Likely too narrow for functional use for today's vehicles. Wood frame, and pebble stucco and wood sided.
Outbuilding:	Two-story barn of 30 feet by 38 feet and attached granary of 15 feet by 20 feet with stone foundation of wood frame and wood siding. Granary roof and first floor have collapsed. The barn appears solid and in average condition.
Encroachments:	Partially collapsed rock retaining wall along STH 20/Main Street frontage.

SUBJECT PHOTOS



View south toward property.



View northwest along Main Street. Subject to left.



View southeast along Main Street. Subject to right.



View north across Main Street from subject's front yard.



West and north elevation. View toward front of home in early May 2015.



East elevation. Note patch on upper roof is above closet of BR3.



East elevation of garage and south elevation



West elevation back door by basement stairs.



West elevation.



North and east elevations in May 2015.



Kitchen



Kitchen



Bathroom



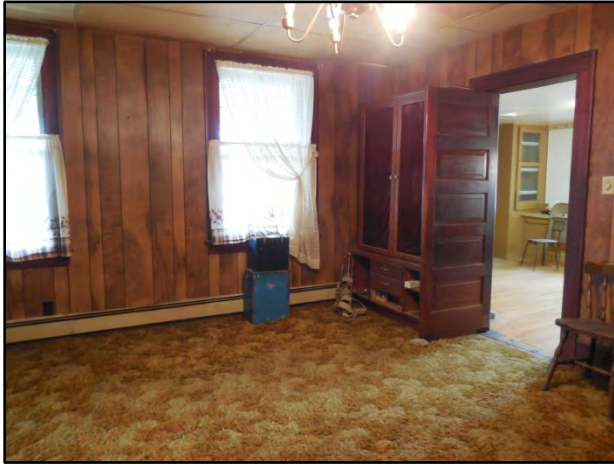
Bathroom lighting



Pantry



Ceiling in kitchen



Dining room. Gun cabinet to be removed by owner



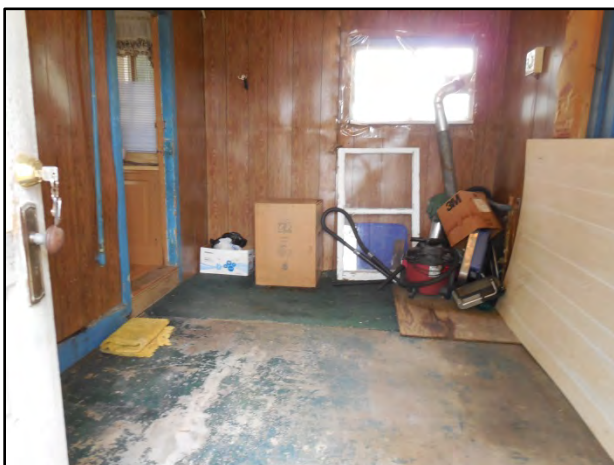
Electric meter and electrical box in front hall



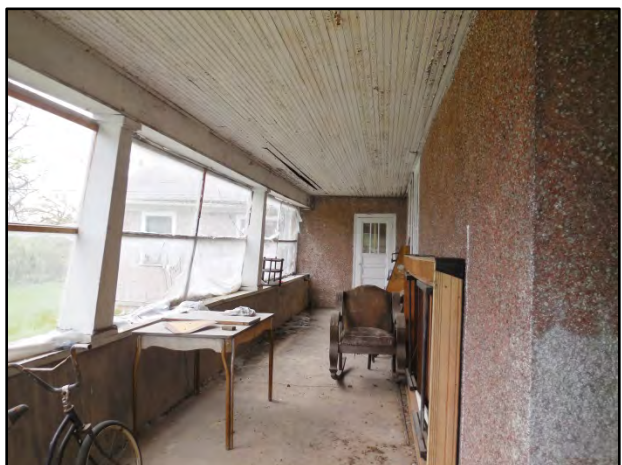
Living room



Staircase and wood work



Enclosed porch



Wrap around covered porch



First Floor bedroom (BR1)



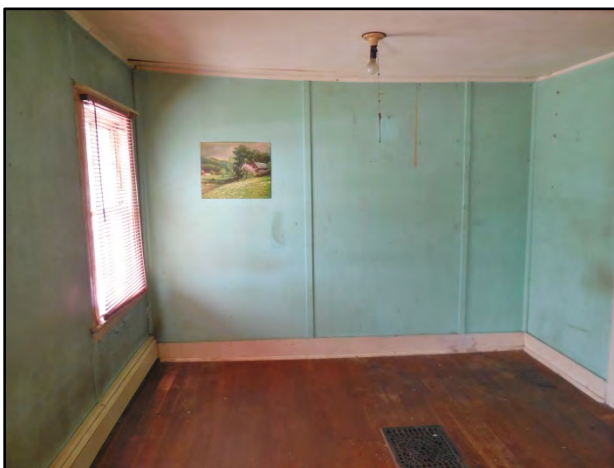
West side second floor bedroom (BR4)



Front second floor front bedroom (BR2)



Closet BR3. Possible black mold.



Back second floor bedroom (BR3)



Stairs to basement from west side mud room



Interior of attached one-car garage.
Heavy petroleum staining on concrete floor.



Interior of attached one-car garage in May
2015



Basement. Area with dirt floor.
Appraiser unable to ascertain why this area has a dirt floor.



Mechanicals



Condition of Stucco



Window trim



Vent for water heater



Vent for boiler



Gas meter and Stucco damage.



Flat roof over kitchen.



Rock retaining wall collapse along street frontage.



North and west elevations of barn



East and north elevations of barn



East and south elevations of granary in May 2015



View southwest across side yard from driveway.



View southwest across adjacent school property



View west across side yard at western end of property.



View south along eastern lot line and view of former dog house.



Well with pump that is motorized. Owner states the water previously pumped to a basement cistern located under the kitchen.



Well with pump. Suspect electrical.

Personal property photos



Personal property photos

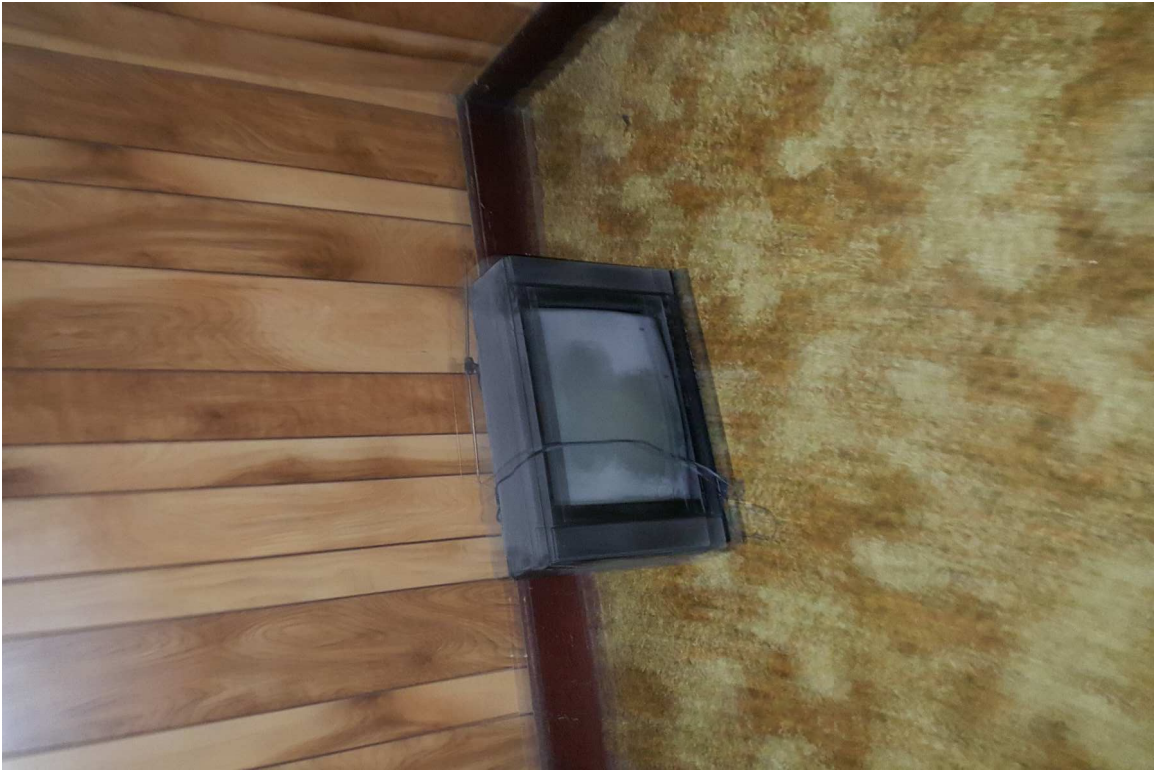




Personal property photos



Personal property photos



Personal property photos

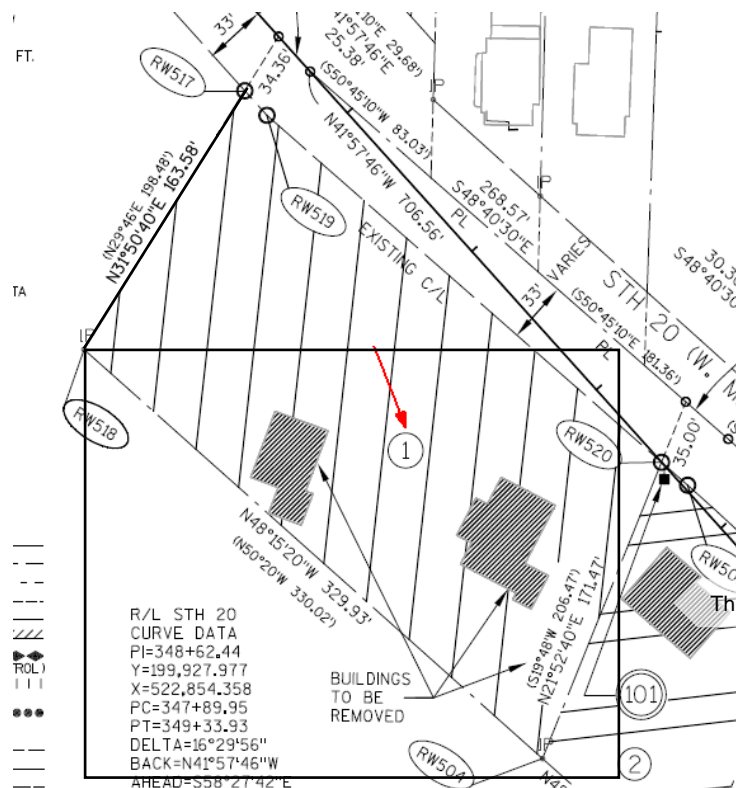




Location Maps

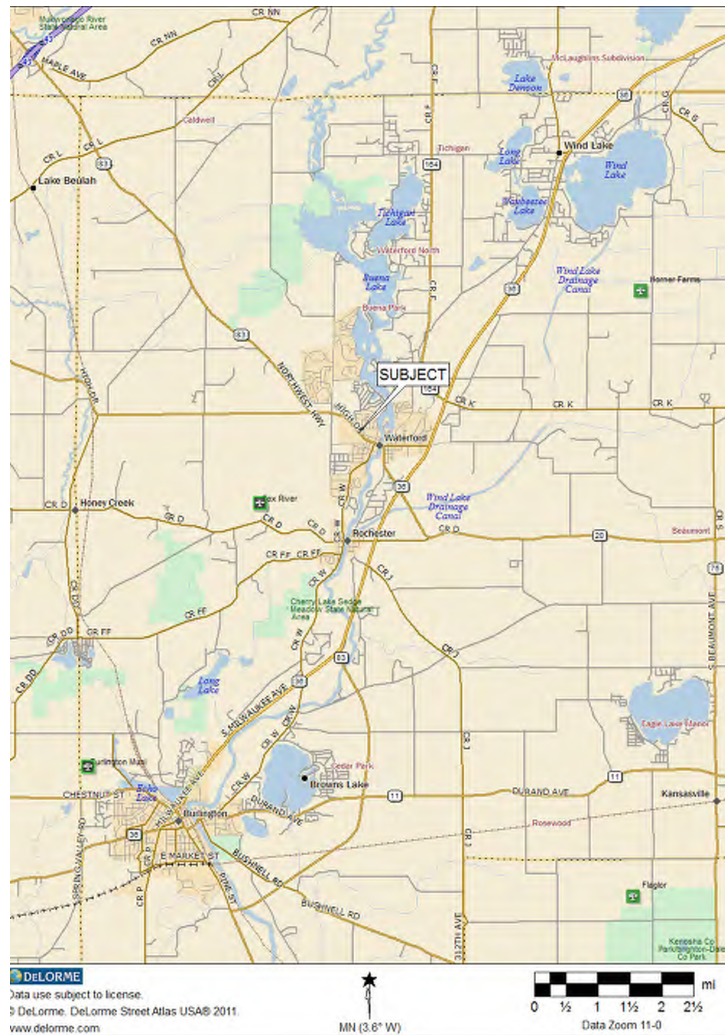
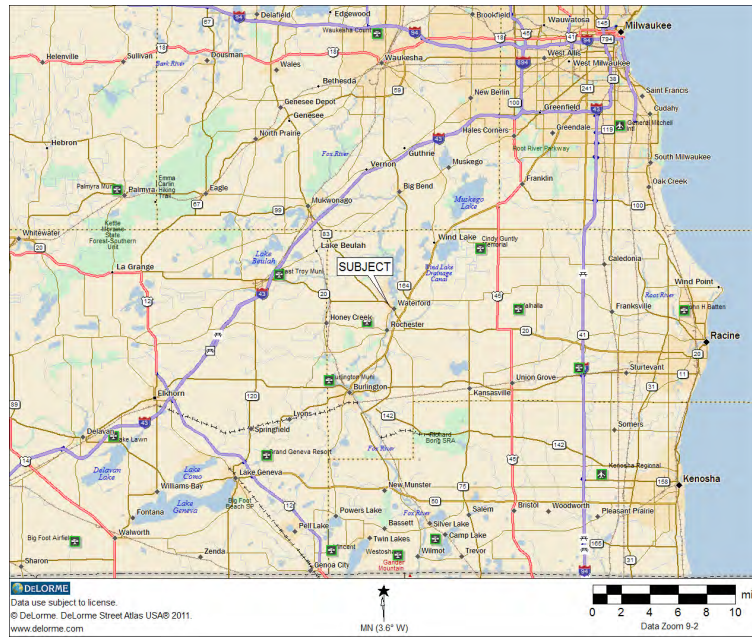


PROJECT PLAT



This building previously removed

Area Location Maps



NESHAPS Asbestos Building Inspection



619 W. Main St. Waterford, WI

Prepared for:

Wisconsin DOT DTSD

SE Region

Mr. Mike Jenders

14 NW Barstow St./PO Box798

Waukesha, WI. 53187-0798

Phone 262-548-5937

E-mail Michael.Jenders@dot.wi.gov

Prepared by:

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Fax: 815-877-5905



Ironwood

Environmental Inc.

3349 Carbineer Dr.
Belvidere, IL. 61008
Office 815-877-7547
Fax: 815-877-5905

Mr. Mike Jenders

2/2/17

Re: NESHAPS Pre-demo asbestos building inspection of 619 W Main st. Waterford, WI.

Ironwood Environmental Inc. is pleased to have had the opportunity to complete the NESHAPS pre demolition asbestos building inspection for the property listed above. Jeremy Bonacquisti, IL. asbestos building inspector # 100-6296 and WI ASC-102179, has completed a non-destructive asbestos building inspection at the request of the Mr. Mike Jenders with Wisconsin DOT @ the property listed above. The inspection was completed in compliance with DNR regulations under NESHAPS CFR 763.86, for the purpose of demolition. Ironwood is not responsible for the presence of acbms existing in undetectable places, such as false walls, pipe chase, etc. All asbestos quantities are estimates. It is the responsibility of the bidding contractor to field verify all quantities. Samples were collected and sent to TEM, an independent EPA / NVLAP approved lab, for PLM determination of the presence of asbestos, "Please refer to TEM report for results, methods, credentials and contacts".

When preparing for asbestos abatement it is important to determine if the asbestos containing materials (ACMs) are friable or non-friable. Friability is the degree to which a solid substance can be broken up into smaller pieces with a minimum of effort. In the case of asbestos, friable usually refers to whether the mineral can be broken down by a human hand. Friable asbestos materials are the ones that are most dangerous. They easily release asbestos fibers into the air, and these fibers pose a significant health risk to anyone nearby. Non-friable asbestos, on the other hand, is less likely to release fibers. Roofing material, for example, is a non-friable asbestos-containing material because the asbestos fibers are bound or locked into place. Non-friable asbestos is still a health risk, as it can be made friable if damaged or altered. To further differentiate the potential risks associated with ACMs, the EPA divides non-friable asbestos into two subcategories:

Category I Non-Friable: Includes non-friable materials which are unlikely to be made friable, due to a strong interlocking material which binds the fibers. These materials should only be removed during demolition if they are in very poor condition. Examples include vinyl floor coverings, vinyl asbestos tile, asphalt roofing products and gaskets.

Category II Non-Friable: Includes all non-friable materials which are not Category I. These materials are more likely to be made friable, as they are not resistant to weathering or crushing forces and may be subjected to extreme conditions or excessive use. Examples include cement siding, transite board shingles and concrete-like products.

Regulated Asbestos-Containing Material

(RACM)Federal regulatory agencies such as the EPA consider the following asbestos materials to be potentially dangerous and thus subject to regulations during the removal or renovation process:

Regulated Asbestos-Containing Material

- All friable ACMs
- Category I non-friable materials which have become friable
- Category I non-friable materials which have been subjected to sanding, grinding, cutting, etc.
- Category II non-friable materials with a high probability of becoming friable during renovation or demolition

If a facility or home will be demolished by burning, all asbestos material, whether it is friable or non-friable, must be removed prior to the demolition procedures.

Sample #	Description	Location	% asbestos	NESHAPS Classification	Condition	Estimated Quantity
1	Tan 12x12 ceiling tiles	Breezeway	ND/None detected	NA	NA	NA
2	Tan 12x12 ceiling tiles	Breezeway	ND	NA	NA	NA
3	Tan 12x12 ceiling tiles	Breezeway	ND	NA	NA	NA
4	Brown 12x12 ceiling tiles	Bedroom 1 st flr	ND	NA	NA	NA
5	Brown 12x12 ceiling tiles	Bedroom 1 st flr	ND	NA	NA	NA
6	Brown 12x12 ceiling tiles	Bedroom 1 st flr	ND	NA	NA	NA
7	White flooring	pantry	ND	NA	NA	NA
8	White flooring	pantry	ND	NA	NA	NA
9	White flooring	pantry	ND	NA	NA	NA

10	Attic insulation	Attic	ND	NA	NA	NA
11	Attic insulation	Attic	ND	NA	NA	NA
12	Attic insulation	Attic	ND	NA	NA	Na
13	Drywall	Kitchen	ND	NA	NA	NA
14	Drywall	Kitchen	ND	NA	NA	NA
15	Drywall	Kitchen	ND	NA	NA	NA
16	Plaster	Throughout	ND	NA	NA	NA
17	Plaster	Throughout	ND	NA	NA	NA
18	Plaster	Throughout	ND	NA	NA	NA
19	Window glazing	Exterior windows	ND	NA	NA	NA
20	Window glazing	Exterior windows	ND	NA	NA	NA
21	Window glazing	Exterior windows	ND	NA	NA	NA
22	Exterior stucco	Exterior siding	ND	NA	NA	NA
23	Exterior stucco	Exterior siding	ND	NA	NA	NA
24	Exterior stucco	Exterior siding	ND	NA	NA	NA

Abatement recommendations:

All abatement activities in Wisconsin must be performed by personnel accredited by EPA and licensed by DHS. All work practices must comply with applicable US/DNR, DHS and OSHA regs.

If roofing material were found to contain asbestos or assumed to contain asbestos, according to USEPA regulations, tar-impregnated roofing felts, asphalt shingles and mastics that are non-friable and will remain that way during demolition need not be abated prior to demolition or landfilled as acm. This does not include controlled burns. Asbestos floor tile may remain in the structure during demolition, however it must be undamaged prior to demolition and remain that way during demolition. In addition, if floor tile remains in the building during demolition all waste must be treated and landfilled according to NESHAPS regs as acm. Concrete coated with acm mastic may not be used as clean fill or recycled.

Abatement recommendations:

All abatement activities in Wisconsin must be performed by personnel accredited by EPA and licensed by DHS. All work practices must comply with applicable US/DNR, DHS and OSHA regs.

If roofing material were found to contain asbestos or assumed to contain asbestos, according to USEPA regulations, tar-impregnated roofing felts, asphalt shingles and mastics that are non-friable and will remain that way during demolition need not be abated prior to demolition or landfilled as acm. This does not include controlled burns. Asbestos floor tile may remain in the structure during demolition, however it must be undamaged prior to demolition and remain that way during demolition. In addition, if floor tile remains in the building during demolition all waste must be treated and landfilled according to NESHAPS regs as acm. Concrete coated with acm mastic may not be used as clean fill or recycled.



Hazardous materials

CFCs -none

CFLs -5 bulbs

Mercury -none

Lead -possible lead containing painted surfaces throughout.

PCBs -none noticed

Miscellaneous possible environmental issues
none

If you have any questions please do not hesitate to contact me. 815-378-6113

Thank you.
Respectfully Submitted,

Jeremy Bonacquisti

Jeremy Bonacquisti
Ironwood Environmental Inc.

TEM Environmental

BULK ASBESTOS SAMPLE EVALUATION

POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE NVLAP LAB CODE: 101130-0

Company Name: Ironwood Environmental		Client Project Ref: MC 2051							
Contact: Jeremy Bonacquisti		Project Location: 619 W. Main St., Waterford							
Address: 3349 Carbineer Dr. Belvidere IL 61008-		TEM Project: 52682 Analyzed by: Lori Boersma Date Analyzed: 1/27/2017							
Sample Information		Fibrous Materials		Non-Fibrous Materials					
Client Sample ID	TEM ID	COLOR	ACM	Asbestos Fibers Type	Percent	Non-Asbestos Fibers Type	Percent	Filler Binder	Comments
01	300717	Tan	N/D	Chrysotile		Cellulose	90-100		0-10
12x12 Ceiling Tile - Breezeway									
02	300718	Tan	N/D	Chrysotile		Cellulose	90-100		0-10
12x12 Ceiling Tile - Breezeway									
03	300719	Tan	N/D	Chrysotile		Cellulose	90-100		0-10
12x12 Ceiling Tile - Breezeway									
04	300720	Brown	N/D	Chrysotile		Cellulose	90-100		0-10
12x12 Ceiling Tile - BR 1st Fl									
05	300721	Brown	N/D	Chrysotile		Cellulose	90-100		0-10
12x12 Ceiling Tile - BR 1st Fl									

Samples were analyzed following the procedures contained in the EPA Method 600/R-93/116, July 1993. This report applies only to samples tested.

SLM: The optical resolution of polarized light microscopy limits the size of fibers that are visible. In samples where very small fibers may be present, the asbestos fibers may be smaller than the resolution limit of a polarized light microscope. In those cases, the result of the PLM analysis is not conclusive where the sample is reported as non-asbestos. Samples that are expected to contain small fibers (such as floor tile samples and vermiculite) and that are reported as non-asbestos by PLM should be further analyzed by transmission electron microscopy.

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Key: ACM = Asbestos Containing Material as defined in USEPA NESHAP Regulation; TR = Trace; N/D = None Detected

Page 1 of 5

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

Report Approved by:



TEM Environmental

BULK ASBESTOS SAMPLE EVALUATION

POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE NVLAP LAB CODE: 101130-0

Company Name: Ironwood Environmental
Contact: Jeremy Bonacquisti
Address: 3349 Cardineer Dr.
Belvidere IL 61008-

Client Project Ref: MC 2051
Project Location: 619 W. Main St., Waterford
TEM Project: 52682
Analyzed by: Lori Boersma
Date Analyzed: 1/27/2017

Sample Information				Fibrous Materials				Non-Fibrous Materials	
Client Sample ID	TEM ID.	COLOR	ACM	Asbestos Fibers		Non-Asbestos Fibers		Filler	Comments
Description				Type	Percent	Type	Percent	Binder	
06	300722	Brown	N/D	Chrysotile		Cellulose	90-100	0-10	
12x12 Ceiling Tile - BR 1st Fl				Amosite		Glass	Trace		
07	300723	White	N/D	Chrysotile		Cellulose	80-90	10-20	
Flooring in Pantry				Amosite		Glass			
08	300724	White	N/D	Chrysotile		Cellulose	80-90	10-20	
Flooring in Pantry				Amosite		Glass			
09	300725	Gray	N/D	Chrysotile		Cellulose	80-90	10-20	
Flooring in Pantry				Amosite		Glass			
10	300726	Brown	N/D	Chrysotile		Cellulose	90-100	0-10	
Attic Insulation				Amosite		Glass			

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Page 2 of 5

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

Report Approved by:



TEM Environmental

BULK ASBESTOS SAMPLE EVALUATION

POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE NVLAP LAB CODE: 101130-0

Company Name: Ironwood Environmental

Contact: Jeremy Bonaquisti

Address: 3349 Carthage Dr.
Belvidere IL 61008-

Client Project Ref: MC2051

Project Location: 619 W. Main St., Waterford

TEM Project: 52682

Analyzed by: Lori Boersma

Date Analyzed: 1/27/2017

Company Name:		Ironwood Environmental				Client Project Ref:		MC 2051	
Contact		Jeremy Bonacquisti 3349 Carbiner Dr. Belvidere IL				Project Location:		619 W. Main St., Waterford	
Address:		61008-				TEM Project:		52682	
						Analyzed by:		Lori Boersma	
						Date Analyzed:		1/27/2017	
Sample Information				Fibrous Materials				Non-Fibrous Materials	
Client Sample ID	TEM ID	COLOR	ACM	Asbestos Fibers		Non-Asbestos Fibers		Filler	Comments
Description	ID			Type	Percent	Type	Percent	Binder	
11	300727	Brown	N/D	Chrysotile		Cellulose	90-100		0-10
Attic Insulation				Amosite		Glass			
12	300728	Brown	N/D	Chrysotile		Cellulose	90-100		0-10
Attic Insulation				Amosite		Glass			
13	300729	White	N/D	Chrysotile		Cellulose	2-3		97-98
Drywall				Amosite		Glass			
14	300730	White	N/D	Chrysotile		Cellulose	1-2		98-99
Drywall				Amosite		Glass			
15	300731	White	N/D	Chrysotile		Cellulose	1-2		98-99
Drywall				Amosite		Glass	Trace		

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Page 3 of 5

Report Approved by:



443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

TEM Environmental

BULK ASBESTOS SAMPLE EVALUATION POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE NVLAP LAB CODE: 101130-0

Company Name:	Ironwood Environmental	Client Project Ref:	MC 2051
Contact:	Jeremy Bonacquisti	Project Location:	619 W. Main St., Waterford
Address:	3349 Carbineer Dr. Belvidere IL 61008-	TEM Project:	52682
		Analyzed by:	Lori Boersma
		Date Analyzed:	1/27/2017

Sample Information				Fibrous Materials			Non-Fibrous Materials		
Client Sample ID	TEM ID.	COLOR	ACM	Asbestos Fibers Type	Percent	Non-Asbestos Fibers Type	Percent	Filler Binder	Comments
16 Plaster	300732	Gray	N/D	Chrysotile		Cellulose		90-100	
				Amosite		Glass			
17 Plaster	300733	Gray	N/D	Chrysotile		Cellulose		98-99	
				Amosite		Glass			
18 Plaster	300734	Gray	N/D	Chrysotile		Cellulose	2-3	95-97	
				Amosite		Glass			
19 Window Glaze	300735	White	N/D	Chrysotile		Cellulose	1-2	90-100	
				Amosite		Glass			
20 Window Glaze	300736	White	N/D	Chrysotile		Cellulose		90-100	
				Amosite		Glass			

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Page 4 of 5

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

Report Approved by:



TEM Environmental

BULK ASBESTOS SAMPLE EVALUATION

POLARIZED LIGHT MICROSCOPY (PLM) TECHNIQUE NVLAP LAB CODE: 101130-0

Company Name: Ironwood Environmental				Client Project Ref: MC 2051					
Contact: Jeremy Bonacquisti				Project Location: 619 W. Main St., Waterford					
Address: 3349 Carbineer Dr. Belvidere IL 61008-				TEM Project: 52682 Analyzed by: Lori Boersma Date Analyzed: 1/27/2017					
Sample Information			Fibrous Materials			Non-Fibrous Materials			
Client Sample ID	TEM ID	COLOR	ACM	Asbestos Fibers Type	Percent	Non-Asbestos Fibers Type	Percent	Filler Binder	Comments
21	300737	White	N/D	Chrysotile		Cellulose			90-100
Window Glaze				Amosite		Glass			
22	300738	Gray	N/D	Chrysotile		Cellulose			90-100
Exterior Stucco				Amosite		Glass			
23	300739	Gray	N/D	Chrysotile		Cellulose	1-2		98-99
Exterior Stucco				Amosite		Glass			
24	300740	Gray	N/D	Chrysotile		Cellulose			90-100
Exterior Stucco				Amosite		Glass			

Samples were analyzed following the procedures contained in the EPA Method 600/R-93/116, July 1993. This report applies only to samples tested.

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Page 5 of 5

443 Duane Street, Glen Ellyn, Illinois 60137 Phone (630) 790-0880 Fax (630) 790-0882

Report Approved by:



Note: 1st pos stop on all groups of 3

TEM, Incorporated

CHAIN OF CUSTODY REPORT

www.tem-inc.com

MC 2051

443 Duane Street
Glen Ellyn, IL 60132
(630) 790-0880
FAX (630) 790-0882

afterford

CLIENT: IWE

Date:

TAT 6 HOUR 12 HOUR 24 HOUR 48 HOUR 72 HOUR

>4 DAYS

Contact:

Jeremy Bonagust: E-Mail: EROBWOOD@NVEAOL.COM

Project Name/No.

619 W. Main St. Waukegan

Address: 3349 Carbineer Drive

Results Due by: (Date & Time)

City/State/Zip

Belvidere, IL 61008

TEM Project#:

52682

Phone:

815-877-7547

FAX

815-877-5905

NVLAP ID 101130

AIHA-PAT 101151

AIHA-AAR 101151

Comments:

PO/Quote#:

Client ID No.

Description

Sample Volume

Bulk

Point Count

Gravimetric

Air-AHERA

Air-Other

Bulk

Chatfield

Water

Micro-Vac

1

15X12 ceiling fly Breeding

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15X12 ceiling fly Breeding

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TEM, Incorporated

CHAIN OF CUSTODY REPORT

www.tem-inc.com

443 Duane Street
Glen Ellyn, IL 60137
(630) 790-0880
FAX (630) 790-0882

MC 205-1

132

CLIENT: IWE		Date:		TAT 6 HOUR 12 HOUR 24 HOUR 48 HOUR 72 HOUR 96 HOURS																																																																																																																																																																																																																																								
Contact: Jeremy Bonagust: E-Mail: JEREMY@WOODENVE.COM		Project Name/No. 019 W Main Westfield		Results Due by: (Date & Time)																																																																																																																																																																																																																																								
Address: 3349 Carbineer Drive		City/State/Zip: Belvidere, IL 61008		TEM Project#: 52682																																																																																																																																																																																																																																								
Phone: 815-877-7547 FAX: 815-877-5905		NVLAP ID 101130 AIHA-PAT 101151		AIHA-AAR 101151																																																																																																																																																																																																																																								
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Client ID No.	Description	Sample Volume	<table border="1"> <tr> <td>Bulk</td> <td>Point Count</td> <td>Gravimetric</td> <td>Air-AHERA</td> <td>Air-Other</td> <td>Bulk</td> <td>Chatfield</td> <td>Water</td> <td>Micro-Vac</td> <td>PCM-Air</td> <td>Other</td> </tr> <tr> <td>17</td> <td>Plaster</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>18</td> <td>Plaster</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>19</td> <td>brick</td> <td>25</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>20</td> <td>glaze</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>21</td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>22</td> <td>stucco</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>23</td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>24</td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>25</td> <td>"</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>26</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>27</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>28</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>29</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>31</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>32</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>33</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>34</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>35</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>36</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			Bulk	Point Count	Gravimetric	Air-AHERA	Air-Other	Bulk	Chatfield	Water	Micro-Vac	PCM-Air	Other	17	Plaster										18	Plaster										19	brick	25									20	glaze										21	"										22	stucco										23	"										24	"										25	"										26											27											28											29											30											31											32											33											34											35											36										
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Exhibits

ID 2709-03-20 – Parcel 89

Removal, Grading, Backfill

Floor Plans – Site Diagram

Photos

Location Map

Asbestos Inspection and Abatement Report

ID 2709-03-20, Parcel 89 – 1636 STH 164, Hubertus, WI

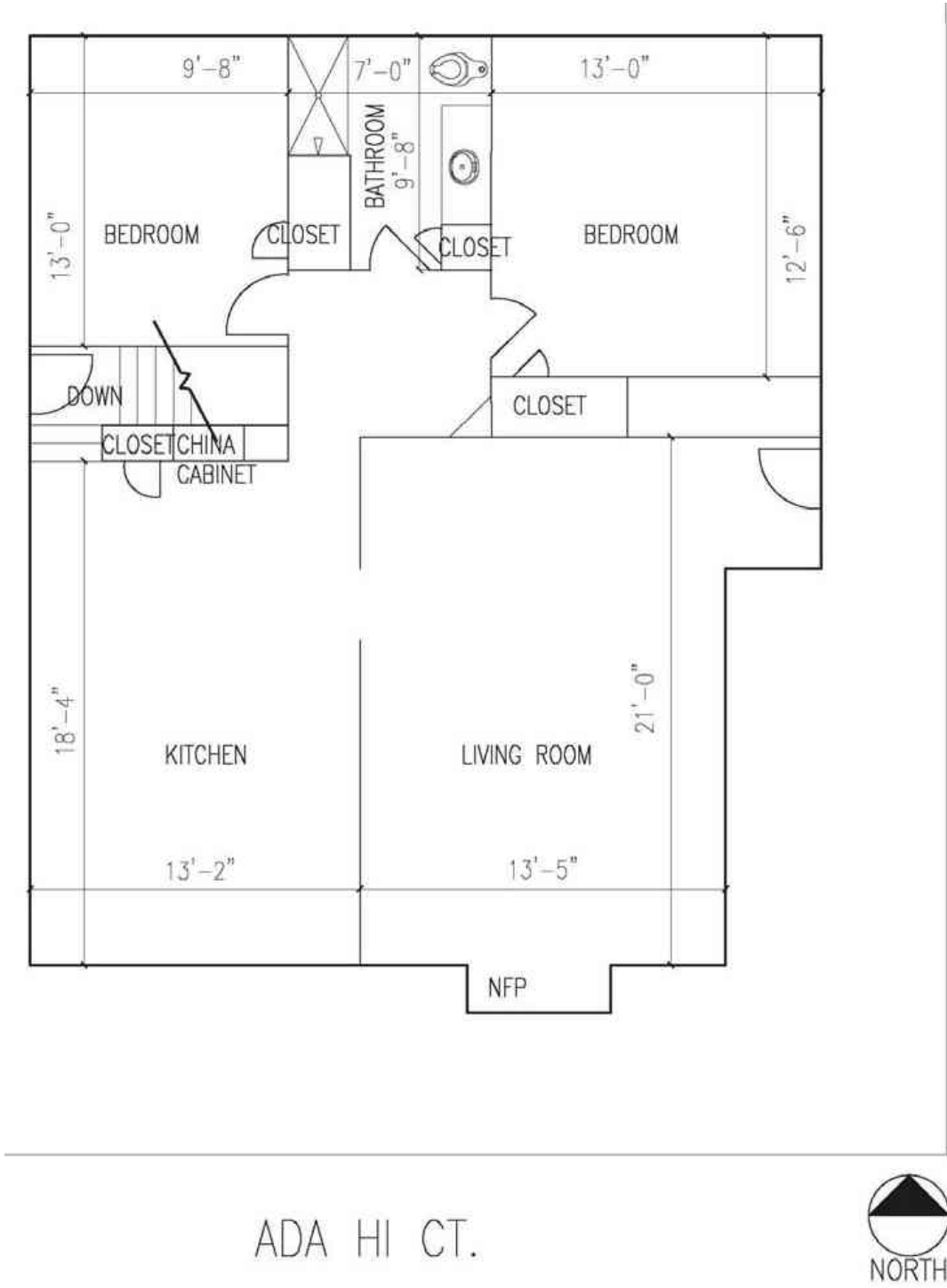
REMOVE: 1,221 SF brick exterior single family residence and a full block basement. Well and septic to be properly abandoned. Cistern to be removed from property. 936 SF wood frame barn with concrete floor and storage loft to be removed. All concrete access walks/pads and asphalt to be removed. *Note 1:* Heating oil UST onsite. Will be removed prior to demo by WisDOT environmental consultant.

GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions – Article 2. *Note 2:* Final grade to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch.

BACKFILL: Reference Special Provisions Article 19 and the Special Requirements under Article 2 – Scope of Work, of these provisions. Septic Tank – Granular Material; Well – Concrete or Other Material Acceptable to the Wisconsin Department of Natural Resources.

Site Sketch / Floor Plans: Following pages

Floor Plan



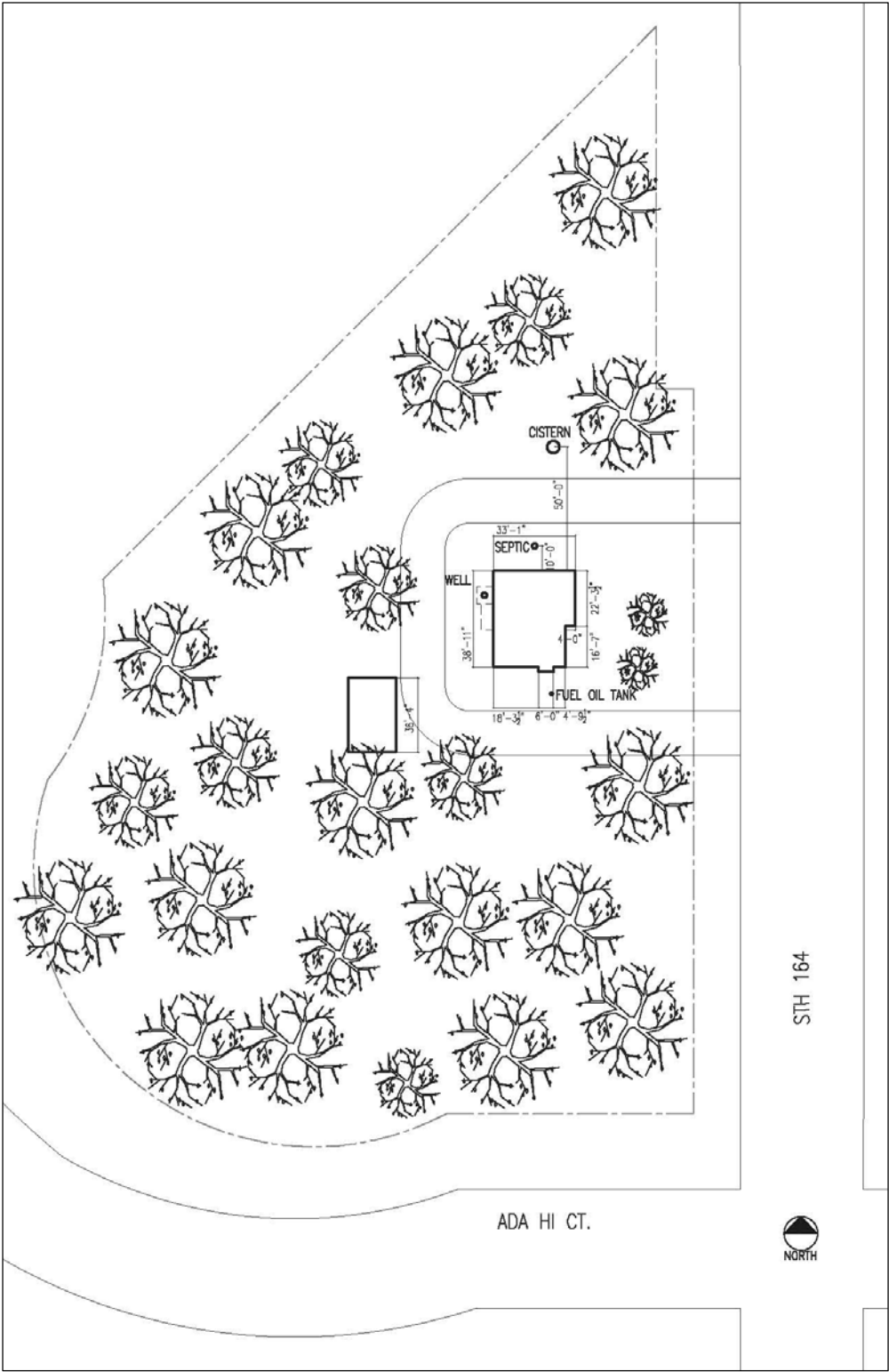
IMPROVEMENTS: Located on the subject property is an older one story single family residence built in 1934. The subject is about 1,221 square feet in size. The house consists of kitchen, living room, two bedrooms and one full bathroom. As you walk in the rear of the house you have the option of either going down into the basement or entering the kitchen. The kitchen is a large with older countertops and flooring. There is a built-in china cabinet as well. Through the kitchen is the living room with maple hardwood floors and a large stone natural fireplace. The rest of the house consists of two bedrooms both with maple hardwood floors and closets. The bathroom has a shower over tub and tile flooring.

The basement is a full block basement used to house the mechanical systems of the house, storage, laundry and it has a half bath. These mechanicals include a new wood pellet burning stove that serves the house, a 50-gallon electric water heater and 100-amp electrical service box. The well is also accessed in the basement along with the pump. The hydronic furnace that used to heat the home is still located next to the new wood pellet burning stove. The hydronic furnace is older and still connected to the underground storage tank but the owner installed the wood burning stove to minimize fuel costs.

There doesn't appear to be much updating done to the house within the past several years, however, the owner was planning on updating the windows and roof but due to the proposed project did not follow through.

OTHER IMPROVEMENTS: The property is also improved with 936 square foot barn that was built about the same time the residence was constructed. The barn has a concrete floor that was installed in 1978, storage loft accessed via a stairway, 100 amp electrical service and it also has one garage door with electric opener and two sliding barn doors. There is also a car hoist that is attached to the floor but will be considered personal property and if left behind will not add value to the improvements. The septic tank is about 10 feet from the house on the north side and approximately 50 feet from the house on the north side located outside of the TLE area is cistern used for the septic system. The well is located two feet from the house on the west side adjacent to the rear entrance. Located about three feet away from the fireplace on the south side of the house is the fill pipe for the underground storage tank that holds the fuel oil for the furnace. This size of the tank is presumed to be 500 to 1000 gallons but cannot be verified until removed. The property is also improved with a circular driveway that wraps around the house that is both asphalt and gravel paved.

Site Diagram



Photos



Photo 1 – East side of house, looking west across STH164.



Photo 2 – West side of house, looking east

Photos



Photo 3 – Looking southwest at northeast corner of house.



Photo 4 – Looking north at south side of house.

Photos



Photo 5 – Entry in Living Room.



Photo 6 – Living Room.

Photos



Photo 7 – Kitchen.



Photo 8 – Kitchen and built-in china cabinet.

Photos



Photo 13 – Bathroom.



Photo 14 – Basement.

Photos



Photo 15 – Basement (new wood pellet stove).



Photo 16 – Water Heater.

Photos



Photo 17 – Electrical box in basement.



Photo 18 – Furnace.

Photos



Photo 19 – Well pump.



Photo 20 – Half bathroom.

Photos



Photo 21 – Built-in storage shelving in basement.



Photo 22 – View of garage, looking west from driveway (taken 7/17/13).

Photos



Photo 23 – Interior view of garage (taken 7/17/13).

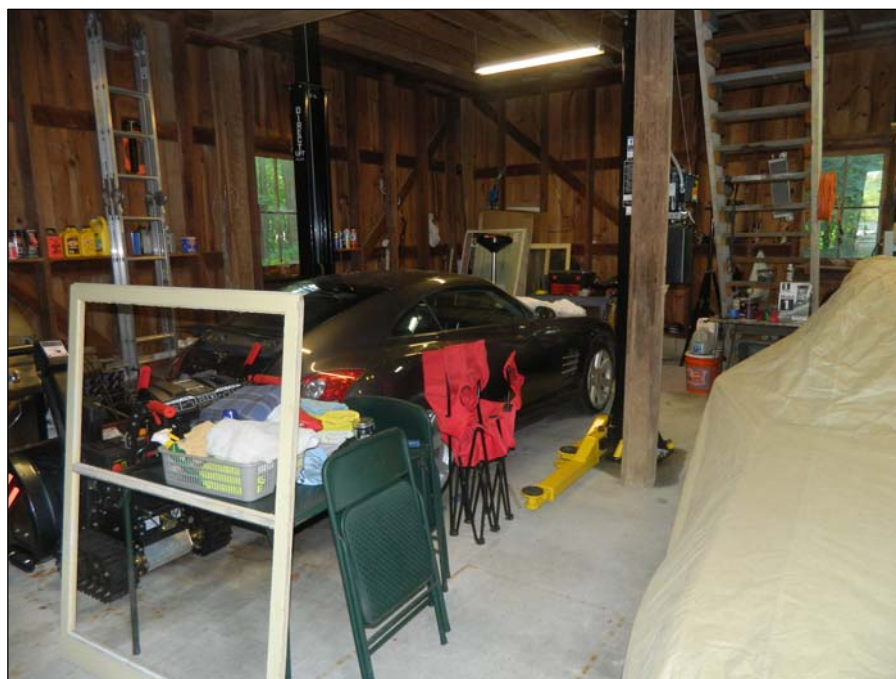


Photo 24 – Interior view of garage (taken 7/17/13).

Photos



Photo 25 – Stairs to loft in garage (taken 7/17/13).



Photo 26 – Electrical box in garage (taken 7/17/13).

Photos



Photo 27 – West side of house.



8 – Close-up view of concrete pad and well on west side of house (taken 7/17/13).

Photos



Photo 29 – Septic tank at north side of house (taken 7/17/13).



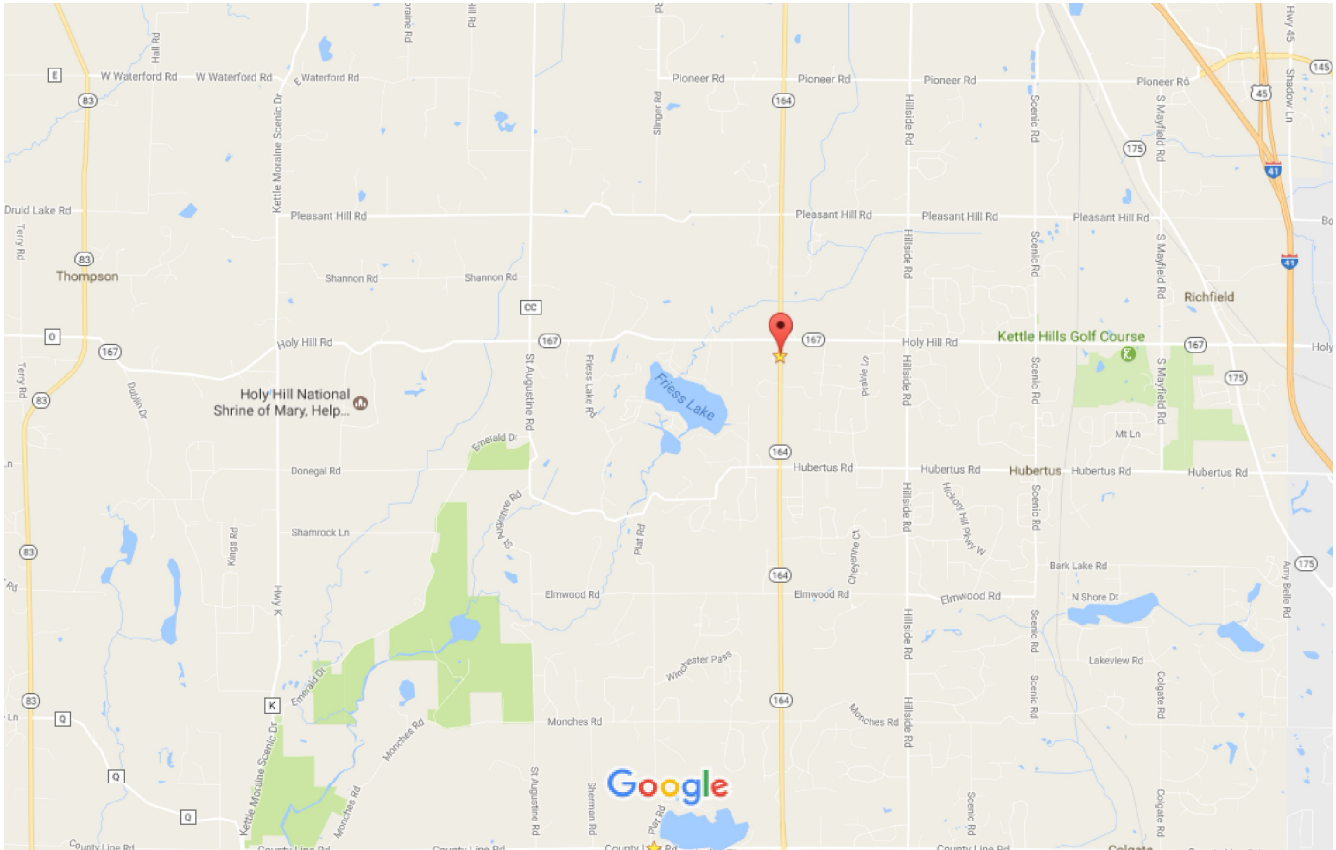
Photo 30 – Cistern north of house outside of TLE limits (taken 7/17/13).

Location Maps

Google Maps

1636 WI-164

ID 2709-03-20 Parcel 89

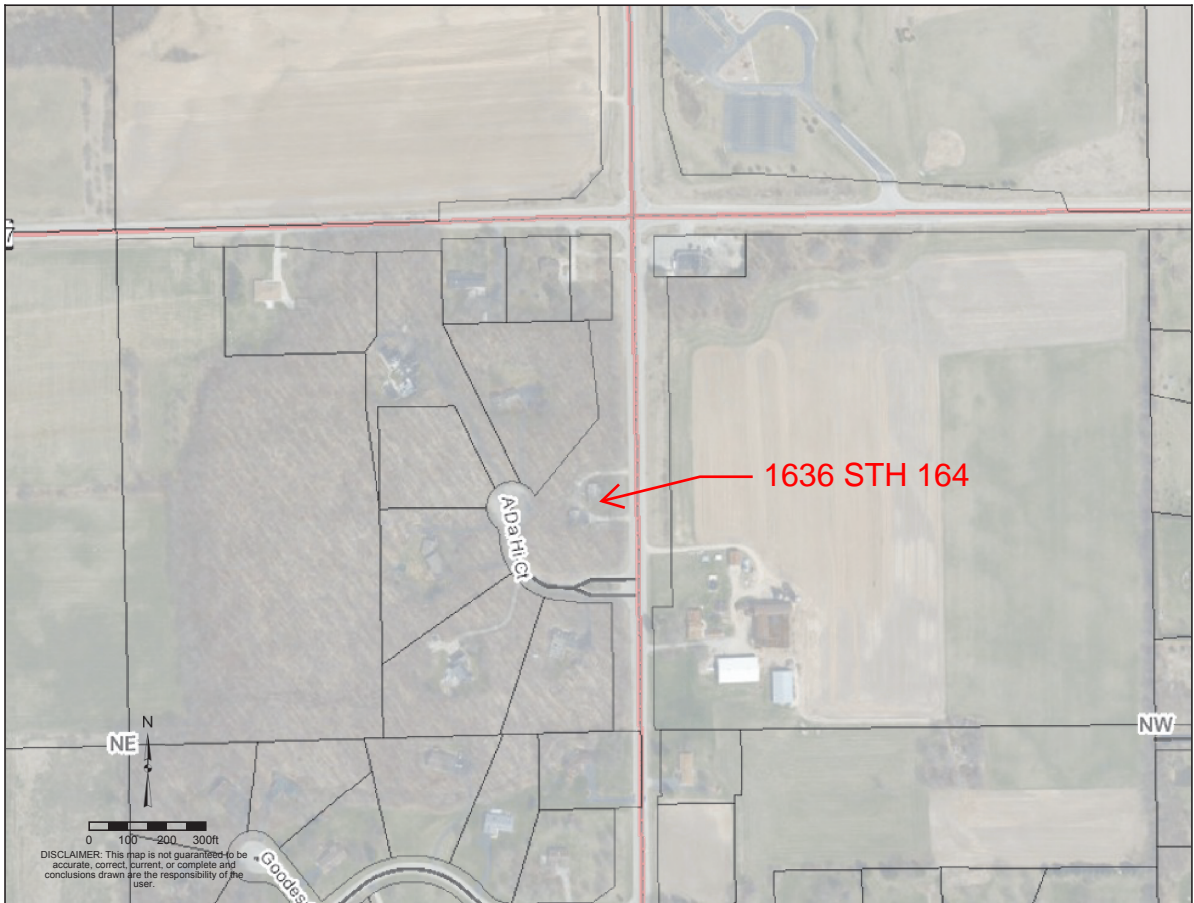


ID 2709-03-20, Parcel 89

1636 STH 164

Hubertus, WI

Location Maps



ASBESTOS INSPECTION REPORT**Job Site:**

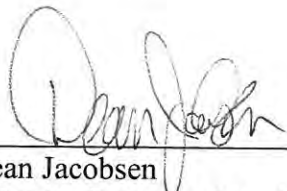
**1639 STH 164
Richfield, Wisconsin
Parcel No. 89**

For:

**WisDOT-Trans System Development
Southeast Tech Services-Real Estate**

Attn.: Michael Jenders
141 NW Barstow Street
P.O. Box 798
Waukesha, WI 53187-0798
Project #: 2709-03-20

KPH Project # 16-400-116



Dean Jacobsen
Asbestos Inspector No. AII - 14370

Prepared by:

KPH Environmental
1237 West Bruce Street
Milwaukee, Wisconsin 53204

June 2016

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ID 2709-03-20, Parcel 89 1636 STH 164 Hubertus WI

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1639 STH 164

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I. INTRODUCTION

KPH Environmental Corp., (KPH) was retained by the Wisconsin Department of Transportation to conduct an inspection of the buildings at 1639 STH 164, Richfield, Wisconsin, for the following:

- Suspect asbestos containing materials
- Universal wastes such as mercury thermostats and light bulbs and PCB containing light fixture ballasts

The buildings are scheduled for demolition. Michael Jenders, of the Wisconsin Department of Transportation, authorized KPH to conduct a building inspection and to analyze samples collected during the inspection. **The inspection of the house and barn at 1639 STH 164, Richfield, Wisconsin, was conducted on May 27, 2016, to cover the items listed above.** The inspection was conducted by Dean Jacobsen, Wisconsin Asbestos Inspector License No. 14370. Additional information on the inspection and results are contained in the following sections.

II. ASEBSTOS INSPECTION

A. Methods

This asbestos inspection included a visual determination as to the extent of visible and accessible suspect materials in the buildings, sampling and documentation of any suspect materials, and quantification of observable and accessible positive materials existing within the spaces.

Bulk sampling involves inspecting all or part of a building (depending on the project scope) and identifying suspect asbestos containing materials. According to the USEPA, this includes all materials except wood, metal, and glass. After suspect materials are identified, the inspector divides the building into homogeneous areas. Homogeneous areas contain materials that are alike in color, composition, age of installation, and any other aspect. If any differences are identified during the inspection, a separate homogeneous area is established.

The inspector then used USEPA sampling protocols to collect bulk samples based upon the type of material and quantity of material in the homogeneous area. Bulk samples were placed into resealable containers and sent to a laboratory certified under the National Voluntary Laboratory Accreditation program (NVLAP) for analysis. Destructive sampling was not conducted where it would have adversely impacted suspect asbestos containing materials, to avoid damage and building contamination.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document.

B. List of Suspect Asbestos Containing Materials

The following types of suspect materials were observed and inspected to determine if asbestos containing materials were present on the roof and expansion joints of the building as required by US

EPA NESHAP regulation 40 CFR 61 Subpart M, and NR 447 of the Wisconsin Administrative Code:

- Window glazing compound
- Masonite
- Asphalt shingle
- Tar paper
- Brick/mortar
- Caulk
- Linoleum
- Vinyl wallbase
- Plaster/drywall
- Ceramic tile
- Fire brick
- Paper insulation
- Attic insulation
- Flue packing
- Concrete block/mortar
- Mastics

A listing of specific homogeneous materials and homogeneous material codes are in the Samples and Results section following the results table.

C. The Laboratory

Samples were analyzed at Amerisci of Midlothian, Virginia for total asbestos content by volume using EPA Method 600/M4/82/020, 600/R-93/116. Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Where the first sample of a homogeneous material contained more than 1% asbestos, the subsequent samples of that material were not analyzed.

Current regulations state asbestos containing materials (ACM) means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Bold values indicate that the material contains more than 1% asbestos.

D. Samples and Results

The following are the laboratory results. The laboratory report is in Appendix A.

Sample #	Location and Description	Results	Homogeneous Code
1A-1639	Barn – on windows – glazing compound	Positive 5% Chrysotile	MPG
2A-1639	Barn – on interior north and south walls – masonite board	Negative	MSB
3A-1639	Roof – barn top layer – gray asphalt shingle	Negative	MRSy
3B-1639	Roof – house west side top layer – gray asphalt shingle	Negative	MRSy
3C-1639	Roof – house east side top layer – gray asphalt shingle	Negative	MRSy
4A-1639	Roof – barn bottom layer – tar paper	Negative	MPT
4B-1639	Roof – house west side bottom layer – tar paper	Negative	MPT
4C-1639	Roof – house east side bottom layer – tar paper	Negative	MPT
5A-1639a	House – exterior west wall – brick	Negative	MBR
5A-1639b	House – exterior west wall – mortar	Negative	MBR
5B-1639a	House – exterior north wall – brick	Negative	MBR
5B-1639b	House – exterior north wall – mortar	Negative	MBR
5C-1639a	House – exterior east wall – brick	Negative	MBR
5C-1639b	House – exterior east wall – mortar	Negative	MBR
6A-1639	House – exterior around west window – gray caulk	Positive 5% Chrysotile	MCLKy
6B-1639	Not Analyzed Due to Prior Positive Sample	N/A	MCLKy
6C-1639	Not Analyzed Due to Prior Positive Sample	N/A	MCLKy
7A-1639	House – exterior on basement window – glazing compound #2	Negative	MPG2
7B-1639	1 st floor – living room – on south window – glazing compound #2	Negative	MPG2
7C-1639	1 st floor – west bedroom – on west window – glazing compound #2	Negative	MPG2
8A-1639	1 st floor – kitchen – north side top layer – yellow and brown linoleum	Negative	MFLIn
8B-1639	1 st floor – kitchen – south side top layer – yellow and brown linoleum	Negative	MFLIn
8C-1639	1 st floor – hall – yellow and brown linoleum	Negative	MFLIn
9A-1639	1 st floor – kitchen – north side bottom layer – tan and gray linoleum	Negative	MFLty
9B-1639	1 st floor – kitchen – south side bottom layer – tan and gray linoleum	Negative	MFLty
9C-1639	Basement – stair on steps – tan and gray linoleum	Negative	MFLty
10A-1639a	1 st floor – kitchen – 4” yellow vinyl wallbase	Negative	MV4I
10A-1639b	1 st floor – kitchen – under 4” yellow vinyl wallbase – brown mastic	Negative	MV4I
11A-1639a	1 st floor – kitchen – west wall – plaster skim coat	Negative	SPI
11A-1639b	1 st floor – kitchen – west wall – plaster base coat	Negative	SPI
11B-1639a	1 st floor – living room – east wall – plaster skim coat	Negative	SPI
11B-1639b	1 st floor – living room – east wall – plaster base coat	Negative	SPI
11C-1639a	1 st floor – east bedroom – north wall – plaster skim coat	Negative	SPI
11C-1639b	1 st floor – east bedroom – north wall – plaster base coat	Negative	SPI
11D-1639a	1 st floor – west bedroom – south wall – plaster skim coat	Negative	SPI
11D-1639b	1 st floor – west bedroom – south wall – plaster base coat	Negative	SPI

Sample #	Location and Description	Results	Homogeneous Code
11E-1639a	Basement – stair – west wall – plaster skim coat	Negative	SPI
11E-1639b	Basement – stair – west wall – plaster base coat	Negative	SPI
12A-1639	1 st floor – kitchen – in south cabinet – beige/red/brown linoleum	Negative	MFLern
13A-1639a	1 st floor – kitchen – on countertop – yellow and black ceramic tile	Negative	MCTMlk
13A-1639b	1 st floor – kitchen – on countertop – under yellow and black ceramic tile – mortar	Negative	MCTMlk
13A-1639c	1 st floor – kitchen – on countertop – grout	Negative	MCTMlk
14A-1639a	1 st floor – kitchen – backsplash – cream ceramic tile	Negative	MCTMc
14A-1639b	1 st floor – kitchen – backsplash – under cream ceramic tile – mortar	Negative	MCTMc
14A-1639c	1 st floor – kitchen – backsplash – grout	Negative	MCTMc
15A-1639	1 st floor – living room – in fireplace – fire brick/mortar	Negative	TFB
16A-1639a	1 st floor – living room – at fireplace – gray ceramic tile	Negative	MCTMy
16A-1639b	1 st floor – living room – at fireplace – grout	Negative	MCTMy
17A-1639	1 st floor – under wood floors – paper insulation	Negative	MPI
18A-1639a	1 st floor – bathroom floor – white and gray ceramic tile	Negative	MCTMwy
18A-1639b	1 st floor – bathroom floor – under white and gray ceramic tile – mortar	Negative	MCTMwy
19A-1639a	1 st floor – bathroom – on walls – beige and black ceramic tile	Negative	MCTMek
19A-1639b	1 st floor – bathroom – on walls – under beige and black ceramic tile – mortar	Negative	MCTMek
20A-1639	Attic – under wood floor – gray insulation	Negative	MAI
21A-1639	Basement – on south wall at boiler – flue packing	Negative	TFP
22A-1639	Basement – on south countertop – red linoleum	Negative	MFLr
23A-1639	Basement – west wall – concrete block/mortar	Negative	MCB
23B-1639	Basement – east wall – concrete block/mortar	Negative	MCB
23C-1639	Basement – north wall – concrete block/mortar	Negative	MCB

Homogeneous Material Codes

MPG	Glazing Compound Barn
MPG2	Glazing Compound House
MSB	Masonite Board
MRSy	Gray Asphalt Shingle
MPT	Tar Paper
MBR	Brick/Mortar
MCLKy	Gray Caulk
MCMI	Yellow Carpet
MCMt	Tan Carpet Mastic
MFLln	Yellow & Brown Linoleum
MFLty	Tan & Gray Linoleum
MFLern	Beige/Red/Brown Linoleum
MFLe	Red Linoleum
MV4l	4" Yellow Vinyl Wallbase
MCTMI	Yellow Ceramic Tile
MCTMc	Cream Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMwy	White & Gray Ceramic Tile
MCTMek	Beige & Black Ceramic Tile

Homogeneous Material Codes

MPI	Paper Insulation
MAI	Attic Insulation
MCB	Concrete Block/Mortar
SPI	Plaster/Drywall
TFB	Fire Brick
TFP	Flue Packing

E. Asbestos Locations and Quantities

Three (3) of the materials sampled contain greater than 1% asbestos and are asbestos containing materials: beige caulk on the exterior concrete ledges and wall corner near the front door, yellow and brown floor tile in the kitchen, and duct paper on duct within the 1st floor walls.

Material	Homogeneous Code	Location	Approximate Quantity	Condition
Glazing Compound	MPG	Barn Windows	7 Windows	Category II Non-Friable
Gray Caulk	MCLKy	Around House Windows & Doors	25 Windows & 3 Doors	Category II Non-Friable

The glazing compound and caulk are category II non-friable materials. Abatement prior to demolition is recommended since they meet the NR 447 definition of regulated asbestos containing material (RACM) as category II non-friable asbestos containing materials and there is a probability that these materials will become crumbled, pulverized or reduced to powder during demolition.

Note#1: If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

Note#2: A copy of this report should be transmitted to the demolition contractor.

III. UNIVERSAL WASTES

Universal waste includes items that contain or may contain materials such as mercury, polychlorinated biphenyls (PCB), refrigerants such as Freon and chlorofluorocarbons (CFC), and fuels. The following universal wastes and suspect universal wastes were identified in the buildings:

Material	Location	Approximate Quantity
High Intensity Discharge Bulbs-Mercury	Barn Exterior	1
Fluorescent Light Bulbs-Mercury	Barn, Kitchen, Bedrooms, Bathroom, Basement	19 Compact, 2 Tubes
Fluorescent Light Ballasts – PCB	Bathroom	2
Freezer-CFC	Basement	1
Fire Extinguisher	Basement	1
Underground Storage Tank	House Exterior Southeast Corner	1

No samples were collected. Universal wastes must be removed separately for proper disposal prior to demolition.

IV. EXCLUSIONS

This report represents the condition of the house, barn, and their visible/accessible materials at the date and the times of the onsite inspection. Areas and materials that were hidden or not accessible are excluded, including all areas within walls and above ceilings. Hidden materials or those materials that could not be accessed at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

V. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. The findings and conclusions of KPH represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the building inspection. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that KPH be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

This report and the information contained herein are prepared for the sole and exclusive use and possession of the Wisconsin Department of Transportation. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from KPH Environmental Corp.

APPENDICES

A. ASBESTOS LABORATORY RESULTS



ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

KPH Environmental Corp

CLIENT PROJECT: WDOT; 16-400-116

CEI LAB CODE: B16-4233

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

REPORT DATE: 06/03/16

TOTAL SAMPLES ANALYZED: 41

SAMPLES >1% ASBESTOS: 2

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT; 16-400-116

CEI LAB CODE: B16-4233

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1A		B176538	Red,Gray	Glazing	Chrysotile 5%
2A		B176539	White,Brown	Board	None Detected
3A		B176540	Brown,Black	Roofing	None Detected
3B		B176541	Brown,Black	Roofing	None Detected
3C		B176542	Brown,Black	Roofing	None Detected
4A		B176543	Black	Tarpaper	None Detected
4B		B176544	Black	Tarpaper	None Detected
4C		B176545	Black	Tarpaper	None Detected
5A	Layer 1	B176546	Red	Brick	None Detected
	Layer 2	B176546	Gray	Mortar	None Detected
5B	Layer 1	B176547	Red	Brick	None Detected
	Layer 2	B176547	Gray	Mortar	None Detected
5C	Layer 1	B176548	Red	Brick	None Detected
	Layer 2	B176548	Gray	Mortar	None Detected
6A		B176549	White,Gray	Caulking	Chrysotile 5%
6B		B176550		Sample Not Analyzed per COC	
6C		B176551		Sample Not Analyzed per COC	
7A		B176552	Gray,Yellow	Glazing	None Detected
7B		B176553	Gray,Yellow	Glazing	None Detected
7C		B176554	Gray,Yellow	Glazing	None Detected
8A		B176555	Yellow	Linoleum	None Detected
8B		B176556	Yellow	Linoleum	None Detected
8C		B176557	Yellow	Linoleum	None Detected
9A		B176558	Tan,Black	Linoleum	None Detected
9B		B176559	Tan,Black	Linoleum	None Detected
9C		B176560	Tan,Black	Linoleum	None Detected
10A		B176561A	Tan	Wallbase	None Detected
		B176561B	Brown	Mastic	None Detected
11A	Layer 1	B176562	White,Tan	Plaster Skim Coat	None Detected
	Layer 2	B176562	Gray	Plaster Base Coat	None Detected
11B	Layer 1	B176563	White,Tan	Plaster Skim Coat	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT; 16-400-116

CEI LAB CODE: B16-4233

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11C	Layer 2	B176563	Gray	Plaster Base Coat	None Detected
	Layer 1	B176564	White,Tan	Plaster Skim Coat	None Detected
11D	Layer 2	B176564	Gray	Plaster Base Coat	None Detected
	Layer 1	B176565	White,Tan	Plaster Skim Coat	None Detected
11E	Layer 2	B176565	Gray	Plaster Base Coat	None Detected
	Layer 1	B176566	White,Tan	Plaster Skim Coat	None Detected
12A	Layer 2	B176566	Gray	Plaster Base Coat	None Detected
		B176567	Patterned,Black	Linoleum	None Detected
13A	Layer 1	B176568	Beige	Ceramic Tile	None Detected
	Layer 2	B176568	Gray	Mortar	None Detected
14A	Layer 3	B176568	Gray	Grout	None Detected
	Layer 1	B176569	Beige	Ceramic Tile	None Detected
15A	Layer 2	B176569	Gray	Mortar	None Detected
	Layer 3	B176569	Gray	Grout	None Detected
16A		B176570	Gray	Fire Brick	None Detected
17A	Layer 1	B176571	Off-white	Ceramic Tile	None Detected
	Layer 2	B176571	Gray	Mortar	None Detected
18A		B176572	Black	Paper	None Detected
19A	Layer 1	B176573	Off-white	Ceramic Tile	None Detected
	Layer 2	B176573	Gray	Mortar	None Detected
20A	Layer 1	B176574	Beige	Ceramic Tile	None Detected
	Layer 2	B176574	Gray	Mortar	None Detected
21A		B176575	Brown	Insulation	None Detected
22A		B176576	Gray	Fluepack	None Detected
23A		B176577	Red,Black	Linoleum	None Detected
23B		B176578	Gray,Beige	Block / Mortar	None Detected
23C		B176579	Gray,Beige	Block / Mortar	None Detected
		B176580	Gray,Yellow	Block / Mortar	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233

Date Received: 05-31-16

Date Analyzed: 06-03-16

Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1A B176538	Glazing	Heterogeneous			80%	Binder	5% Chrysotile
		Red,Gray			10%	Calc Carb	
		Non-fibrous			5%	Paint	
		Bound					
2A B176539	Board	Heterogeneous	88%	Cellulose	10%	Binder	None Detected
		White,Brown			2%	Paint	
		Fibrous					
		Bound					
3A B176540	Roofing	Heterogeneous	35%	Cellulose	40%	Tar	None Detected
		Brown,Black			25%	Silicates	
		Fibrous					
		Bound					
3B B176541	Roofing	Heterogeneous	35%	Cellulose	40%	Tar	None Detected
		Brown,Black			25%	Silicates	
		Fibrous					
		Bound					
3C B176542	Roofing	Heterogeneous	35%	Cellulose	40%	Tar	None Detected
		Brown,Black			25%	Silicates	
		Fibrous					
		Bound					
4A B176543	Tarpaper	Homogeneous	80%	Cellulose	20%	Tar	None Detected
		Black					
		Fibrous					
		Bound					
4B B176544	Tarpaper	Homogeneous	80%	Cellulose	20%	Tar	None Detected
		Black					
		Fibrous					
		Bound					



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233
Date Received: 05-31-16
Date Analyzed: 06-03-16
Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
4C B176545	Tarpaper	Homogeneous Black Fibrous Bound	80%	Cellulose	20%	Tar	None Detected
5A Layer 1 B176546	Brick	Homogeneous Red Non-fibrous Tightly Bound			85% 15%	Binder Silicates	None Detected
Layer 2 B176546	Mortar	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
5B Layer 1 B176547	Brick	Homogeneous Red Non-fibrous Tightly Bound			85% 15%	Binder Silicates	None Detected
Layer 2 B176547	Mortar	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
5C Layer 1 B176548	Brick	Homogeneous Red Non-fibrous Tightly Bound			85% 15%	Binder Silicates	None Detected
Layer 2 B176548	Mortar	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233

Date Received: 05-31-16

Date Analyzed: 06-03-16

Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
6A B176549	Caulking	Heterogeneous White, Gray Non-fibrous Bound		90% Caulk	5% Chrysotile
6B B176550	Sample Not Analyzed per COC				
6C B176551	Sample Not Analyzed per COC				
7A B176552	Glazing	Heterogeneous Gray, Yellow Non-fibrous Bound	85% 10% 5%	Binder Calc Carb Paint	None Detected
7B B176553	Glazing	Heterogeneous Gray, Yellow Non-fibrous Bound	85% 10% 5%	Binder Calc Carb Paint	None Detected
7C B176554	Glazing	Heterogeneous Gray, Yellow Non-fibrous Bound	85% 10% 5%	Binder Calc Carb Paint	None Detected
8A B176555	Linoleum	Heterogeneous Yellow Non-fibrous Bound	45% 50% 5%	Vinyl Binder Mastic	None Detected
8B B176556	Linoleum	Heterogeneous Yellow Non-fibrous Bound	45% 50% 5%	Vinyl Binder Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233

Date Received: 05-31-16

Date Analyzed: 06-03-16

Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
8C B176557	Linoleum	Heterogeneous Yellow Non-fibrous Bound			45% 50% 5%	Vinyl Binder Mastic	None Detected
9A B176558	Linoleum	Heterogeneous Tan,Black Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Tar	None Detected
9B B176559	Linoleum	Heterogeneous Tan,Black Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Tar	None Detected
9C B176560	Linoleum	Heterogeneous Tan,Black Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Tar	None Detected
10A B176561A	Wallbase	Homogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
B176561B	Mastic	Homogeneous Brown Non-fibrous Bound			100%	Mastic	None Detected
11A Layer 1 B176562	Plaster Skim Coat	Heterogeneous White,Tan Non-fibrous Bound	5%	Talc	60% 30% 5%	Binder Silicates Paint	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233
Date Received: 05-31-16
Date Analyzed: 06-03-16
Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B176562	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
11B Layer 1 B176563	Plaster Skim Coat	Heterogeneous White,Tan Non-fibrous Bound	5%	Talc	60% 30% 5%	Binder Silicates Paint	None Detected
Layer 2 B176563	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
11C Layer 1 B176564	Plaster Skim Coat	Heterogeneous White,Tan Non-fibrous Bound	5%	Talc	60% 30% 5%	Binder Silicates Paint	None Detected
Layer 2 B176564	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
11D Layer 1 B176565	Plaster Skim Coat	Heterogeneous White,Tan Non-fibrous Bound	5%	Talc	60% 30% 5%	Binder Silicates Paint	None Detected
Layer 2 B176565	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233
Date Received: 05-31-16
Date Analyzed: 06-03-16
Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
11E Layer 1 B176566	Plaster Skim Coat	Heterogeneous White,Tan Non-fibrous Bound	5%	Talc	60%	Binder 30% Silicates 5% Paint	None Detected
Layer 2 B176566	Plaster Base Coat	Homogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
12A B176567	Linoleum	Heterogeneous Patterned,Black Fibrous Bound	35%	Cellulose	40% 25%	Vinyl Tar	None Detected
13A Layer 1 B176568	Ceramic Tile	Heterogeneous Beige Non-fibrous Tightly Bound			85% 15%	Binder Silicates	None Detected
Layer 2 B176568	Mortar	Heterogeneous Gray Non-fibrous Bound			35% 65%	Binder Silicates	None Detected
Layer 3 B176568	Grout	Heterogeneous Gray Non-fibrous Tightly Bound			60% 40%	Binder Silicates	None Detected
14A Layer 1 B176569	Ceramic Tile	Heterogeneous Beige Non-fibrous Tightly Bound			85% 15%	Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233
Date Received: 05-31-16
Date Analyzed: 06-03-16
Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B176569	Mortar	Heterogeneous			35%	Binder	None Detected
		Gray			65%	Silicates	
		Non-fibrous					
		Bound					
Layer 3 B176569	Grout	Heterogeneous			60%	Binder	None Detected
		Gray			40%	Silicates	
		Non-fibrous					
		Tightly Bound					
15A B176570	Fire Brick	Heterogeneous			80%	Binder	None Detected
		Gray			20%	Silicates	
		Non-fibrous					
		Tightly Bound					
16A Layer 1 B176571	Ceramic Tile	Heterogeneous			85%	Binder	None Detected
		Off-white			15%	Silicates	
		Non-fibrous					
		Tightly Bound					
Layer 2 B176571	Mortar	Heterogeneous			35%	Binder	None Detected
		Gray			65%	Silicates	
		Non-fibrous					
		Bound					
17A B176572	Paper	Heterogeneous	80%	Cellulose	20%	Tar	None Detected
		Black					
		Fibrous					
		Bound					
18A Layer 1 B176573	Ceramic Tile	Heterogeneous			85%	Binder	None Detected
		Off-white			15%	Silicates	
		Non-fibrous					
		Tightly Bound					



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233
Date Received: 05-31-16
Date Analyzed: 06-03-16
Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
Layer 2 B176573	Mortar	Homogeneous		35% Binder	None Detected
		Gray		65% Silicates	
		Non-fibrous			
		Bound			
19A Layer 1 B176574	Ceramic Tile	Heterogeneous		85% Binder	None Detected
		Beige		15% Silicates	
		Non-fibrous			
		Tightly Bound			
Layer 2 B176574	Mortar	Heterogeneous		35% Binder	None Detected
		Gray		65% Silicates	
		Non-fibrous			
		Bound			
20A B176575	Insulation	Homogeneous	100% Fiberglass		None Detected
		Brown			
		Fibrous			
		Loose			
21A B176576	Fluepack	Homogeneous	15% Wollastonite	60% Binder	None Detected
		Gray		5% Silicates	
		Fibrous		20% Calc Carb	
		Loose			
22A B176577	Linoleum	Heterogeneous	35% Cellulose	40% Vinyl	None Detected
		Red,Black		25% Tar	
		Fibrous			
		Bound			
23A B176578	Block / Mortar	Heterogeneous		30% Binder	None Detected
		Gray,Beige		65% Silicates	
		Non-fibrous		5% Paint	
		Bound			



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: KPH Environmental Corp
1237 W Bruce St
Milwaukee, WI 53204

CEI Lab Code: B16-4233

Date Received: 05-31-16

Date Analyzed: 06-03-16

Date Reported: 06-03-16

Project: WDOT; 16-400-116

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
23B B176579	Block / Mortar	Heterogeneous		30% Binder	None Detected
		Gray, Beige		65% Silicates	
		Non-fibrous		5% Paint	
		Bound			
23C B176580	Block / Mortar	Heterogeneous		30% Binder	None Detected
		Gray, Yellow		65% Silicates	
		Non-fibrous		5% Paint	
		Bound			



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

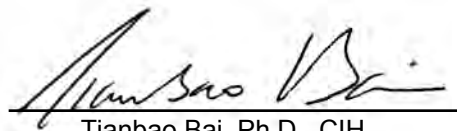
LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

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 polarized 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.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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: 
Taylor B. Metcalf

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





107 New Edition Court, Cary, NC 27511

Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code: **B16-4233 (43)**

CEI Lab I.D. Range: **B176538-B176580**

COMPANY INFORMATION		PROJECT INFORMATION	
CEI CLIENT #:		Job Contact:	Dean Jacobsen
Company:	KPH Environmental Corp.	Email / Tel:	
Address:	1237 W. Bruce St.	Project Name:	WDOT
	Milwaukee, WI 53204	Project ID#	16-400-116
Email:	dean.jacobsen@kphenvironmental.com	PO #:	
Tel:	414-647-1530	STATE SAMPLES COLLECTED IN:	WI
Fax:	414-647-1540		

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

Test Unt. 1 Positive



Accept Samples



Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
	5/27/16 1700	P	5/31/16 8:50

Samples will be disposed of 30 days after analysis



ASBESTOS SAMPLING FORM

COMPANY CONTACT INFORMATION

Company: KPH Environmental Corp.

Job Contact: Dean Jacobsen

Project Name: WDOT

Project ID #: 16-400-116

Tel: 414-647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
1A	Glazing		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
2A	Board		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
3A	Roofing		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
3B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
3C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4A	Tar Paper		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
4C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5A	Brick/Mortar		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
5C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
6A	Caulk		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
6B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
6C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
7A	Glazing		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
7B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
7C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
8A	Linsleum		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
8B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
8C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
9A	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
9B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
9C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
10A	Wallbase		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
11A	Plaster		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
11B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
11C	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
11D	↓		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>

Page 1 of 2



ASBESTOS SAMPLING FORM

COMPANY CONTACT INFORMATION

Company: KPH Environmental Corp.	Job Contact: <u>Dean Jacobsen</u>
Project Name: WDOT	
Project ID #: 16-400-116	Tel: 414-647-1530

SAMPLE ID#	DESCRIPTION / LOCATION	VOLUME/ AREA	TEST	
11E	Plaster		PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
12A	Linoleum		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
13A	Ceramic		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
14A	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
15A	Firebrick		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
16A	Ceramic		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
17A	Paper		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
18A	Ceramic		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
19A	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
20A	Insulation		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
21A	Flue pipe		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
22A	Linoleum		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
23A	Block/Mortar		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
23B	↓		PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
23C			PLM <input checked="" type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
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			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>
			PLM <input type="checkbox"/>	TEM <input type="checkbox"/>

B. KPH CERTIFICATION

Company Certificate

This certifies that

KPH ENVIRONMENTAL CORPORATION

1237 W BRUCE ST
MILWAUKEE WI 53204-1218

is certified under ch. DHS 159, Wis.Adm.Code as a

Asbestos Company - Primary

Certificate Issue Date: 06/11/2014
Expiration Date: 09/10/2016, 12:01 a.m.
Certification #: CAP-1432180

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor



Scott Walker
Governor

Kitty Rhoades
Secretary



State of Wisconsin
Department of Health Services

DIVISION OF PUBLIC HEALTH

1 WEST WILSON STREET

P O BOX 2659
MADISON WI 53701-2659

Telephone: 608 266-1251
FAX: 608 267-2832
TTY: 888-701-1253
dhs.wisconsin.gov

November 6, 2015

DEAN T JACOBSEN
W131S6781 KIPLING DR
MUSKEGO WI 53150-3401

ID# AII-14370

Congratulations, your new card for Wisconsin asbestos or lead certification is enclosed. Please contact our office immediately if any of the information on the card is incorrect.

You must have this card with you whenever you are at a regulated asbestos or lead work site.

Renewing Your Certification

You may not perform regulated asbestos or lead activities after the expiration date on your card.

Asbestos Disciplines: Schedule your *annual* asbestos refresher training 30-90 days before your training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Lead Disciplines: Schedule your lead refresher training up to 12 months before the training due date and submit your renewal application online or by mail **at least one month before your current card expires.**

Submit your renewal application by mail if paying by check or money order, or online at www.dhs.wisconsin.gov/waldo if paying by VISA or MasterCard credit or debit card.

Certified Company Affiliation


You must be affiliated with an appropriately certified Asbestos, Exterior Asbestos, Lead or Lead-Safe Company by ownership, employment or contract before you may perform regulated lead or asbestos work in Wisconsin. Contact the Asbestos and Lead Section for more information.

To Update Information and Apply Online

You may make changes to your mailing address, other contact information, or your employer information by going to www.dhs.wisconsin.gov/waldo and selecting Asbestos and Lead Online Certification. You may also send changes in writing to the Asbestos and Lead Section at the address below.

Asbestos and Lead Section, Room 137
P.O. Box 2659
Madison WI 53701-2659

Phone: (608) 261-6876
Email: dhasbestoslead@wi.gov
Internet: www.dhs.wisconsin.gov

			
ASBESTOS INSPECTOR			
Issued By			
STATE OF WISCONSIN			
Dept. of Health Services			
Dean T Jacobsen			
W131s6781 Kipling Dr			
Muskego WI 53150-3401			
		160 lbs	5' 08"
AII-14370	Exp: 12/01/2016	12/12/1963	Male
Training due by: 12/01/2016			

COPY

102-109-03-20, Parcel 89

1636 STH 164

Hubertus WI

Exhibits

ID 2709-03-20 – Parcel 117

Removal, Grading, Backfill

Floor Plans – Site Diagram

Photos

Location Map

Asbestos Inspection and Abatement Report

ID 2709-03-20, Parcel 117 – 2097 STH 164, Richfield, WI

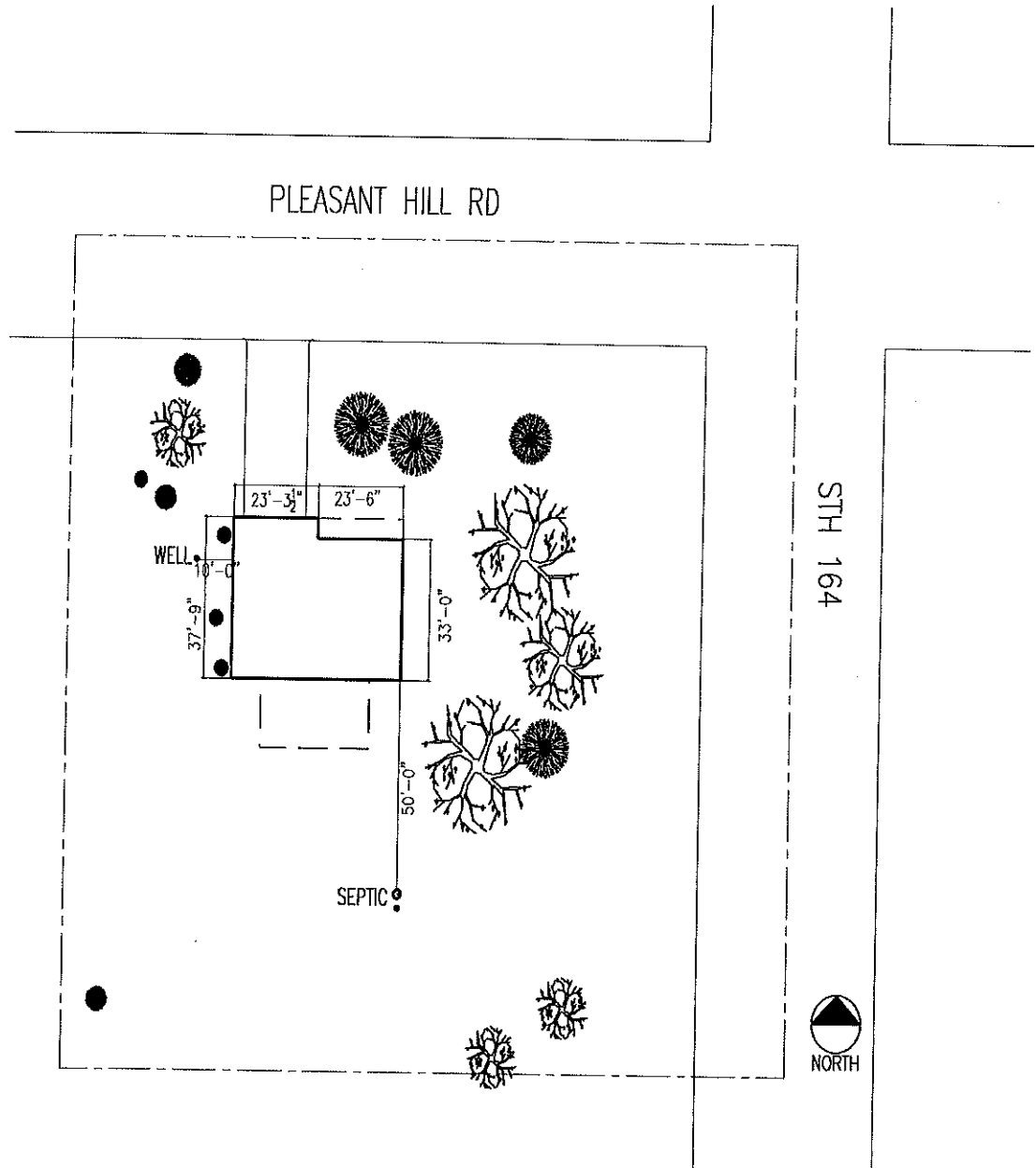
REMOVE: 1,688 SF single family residence with an attached two car garage with separate wood doors with electric openers. Well and septic to be properly abandoned. There is a likely a second well or dry well that also needs to be addressed (see plat page exhibit). *Note 1:* There may be some personal property onsite that contractor to dispose of, including a refrigerator. *Note 2:* Remove small rock pond and any landscaping damaged during removal of house. *Note 3:* There is a front porch (23 x 7) and a rear patio (16 x 30). *Note 4:* Herb Lofy, neighbor, would like to work with contractor regarding original structure, phone and email will be provided to contractor at notice to proceed.

GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions – Article 2. *Note 1:* Final grade finish to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch.

BACKFILL: Reference Special Provisions Article 19 and the Special Requirements under Article 2 – Scope of Work, of these provisions. Septic Tank – Granular Material; Well – Concrete or Other Material Acceptable to the Wisconsin Department of Natural Resources.

SITE SKETCH / FLOOR PLANS: Following pages.

Site Sketch



IMPROVEMENTS: Located at the subject property is a 1.5 story, single-family residence. It is approximately 1,688 sf and was originally built in the late 1880's as a log cabin but there was a remodel and an addition in the 1970's. The first floor is approximately 1,146 square feet. On the first floor there is a large kitchen with vinyl flooring, laminate countertops and older cabinets. The dining area that is adjacent to the kitchen has wood laminate flooring, doorway to the backyard and newer windows. The living room is carpeted with older wood windows. The master bedroom also located on the first floor is carpeted with older windows. There is a pass through door from the bedroom to the full bathroom. The bathroom has vinyl flooring, shower over tub and two vanities with sinks. The upstairs has one bedroom and a loft area that is currently used as a playroom/office, all of which is carpeted. The loft area has two closets and access to the attic, which is currently not being used. The second floor is approximately 542 square feet. The house also has a two car attached garage with two separate wood doors, both with electronic door openers.

The exterior of the residence is brick veneer and aluminum sided with mostly newer aluminum windows but there are some wood located on the older portion of the house which includes the living room and master bedroom on the main floor. The appraisers did not note any signs of deferred maintenance to the home.

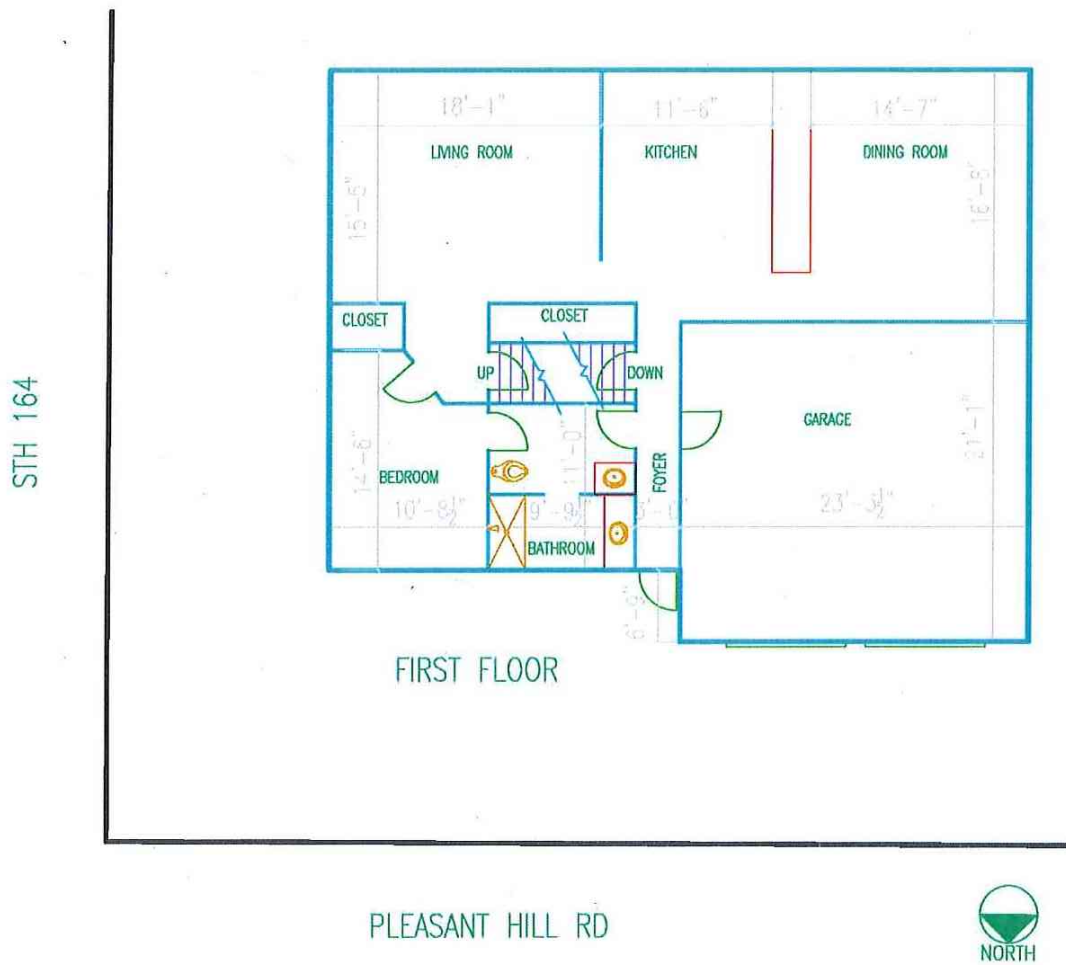
The basement is a full basement that houses the mechanical systems of the house, washer/dryer, storage and pool table area. The washer/dryer and pool table are considered personal property and given no value in this report. The mechanicals include the natural gas fired forced air furnace, new 45-gallon natural gas power vented water heater, water softener and 100-amp electrical service box.

The subject once had a fireplace located in the dining area but was covered with drywall at some point during the remodeling that has occurred over the years. It was done prior to the current owner purchasing the property.

OTHER IMPROVEMENTS: The property is served by a septic tank that is about 50 feet from the rear of the house to the south and the well is located about 10 feet west of the garage. Also, according to the plat there is another well or dry well located about 65' southeast from the southeast corner of the house. The property also has a front porch and a rear patio. The front porch is about 23 x 7 and the rear patio measures about 16 x 30. The subject also has well kept landscaping around the house, which includes bushes, trees, perennials and a small man made rock pond near the front entrance. Not included in the appraisal is a hot tub on the rear patio since this is considered personal property but if it is left behind it does not add additional value to the property. The subject also has central air conditioning.

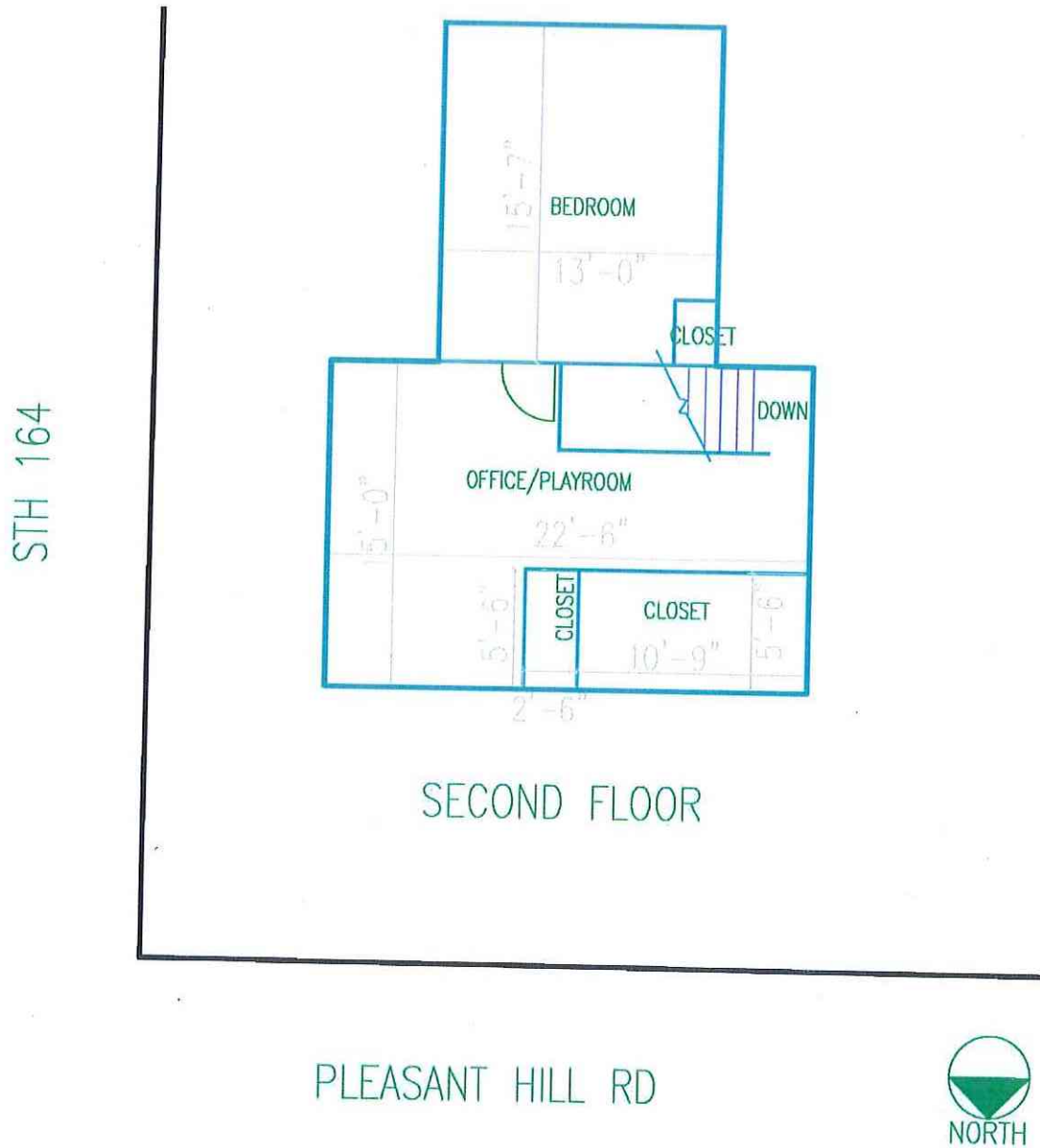
Floor Plans

FLOOR PLAN (1st Floor)



Floor Plans

FLOOR PLAN (2nd Floor)



Subject photos



Photo 1 – Front view of the subject looking south from across Pleasant Hill Rd.



Photo 2 – Looking at the west side of the house.

Subject photos



Photo 3 – Looking at the south side of the house.



Photo 4 – Looking at the south side and patio.

Subject photos



Photo 5 – Looking west from across STH 164.



Photo 6 – Looking southwest from the intersection of Pleasant Hill and STH 164.

Subject photos



Photo 15 – First Floor Dining Room.



Photo 16 – First Floor Kitchen.

Subject photos

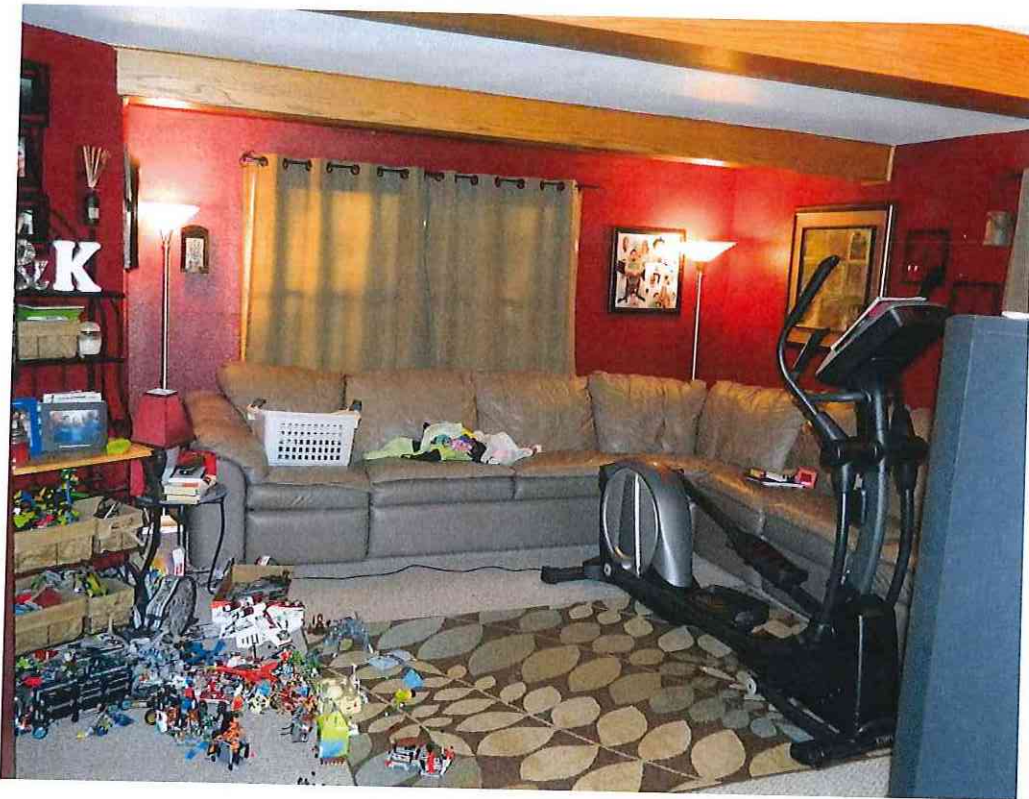


Photo 17 – Living Room

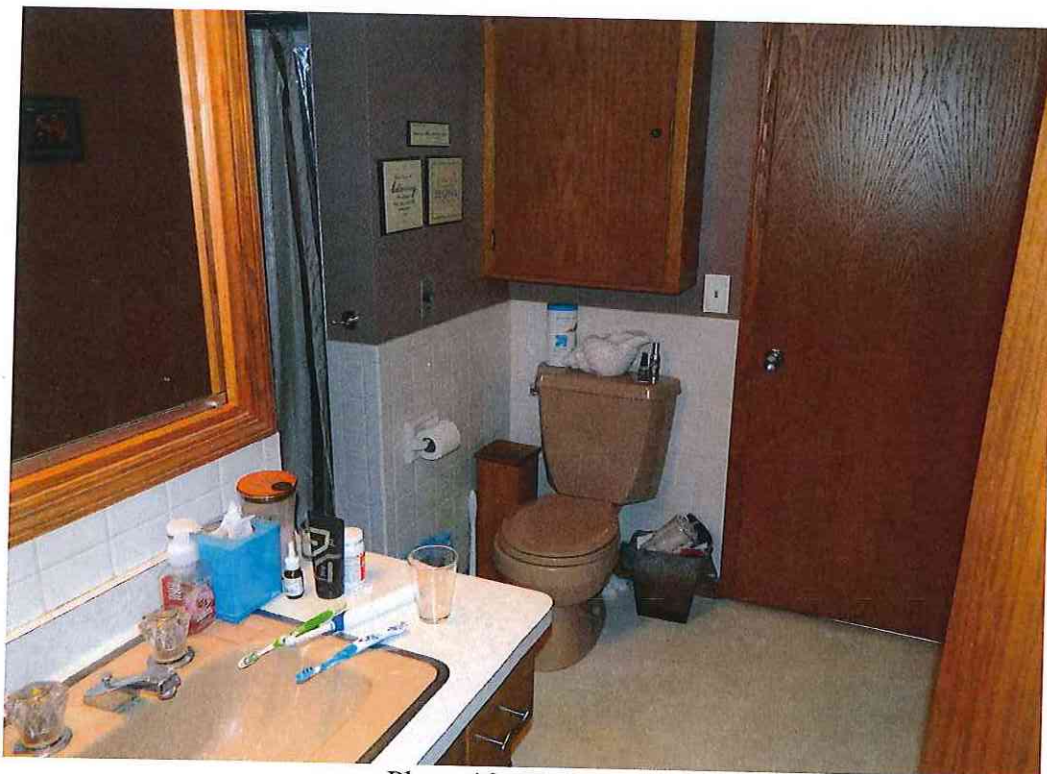


Photo 18 - Bathroom

Subject photos

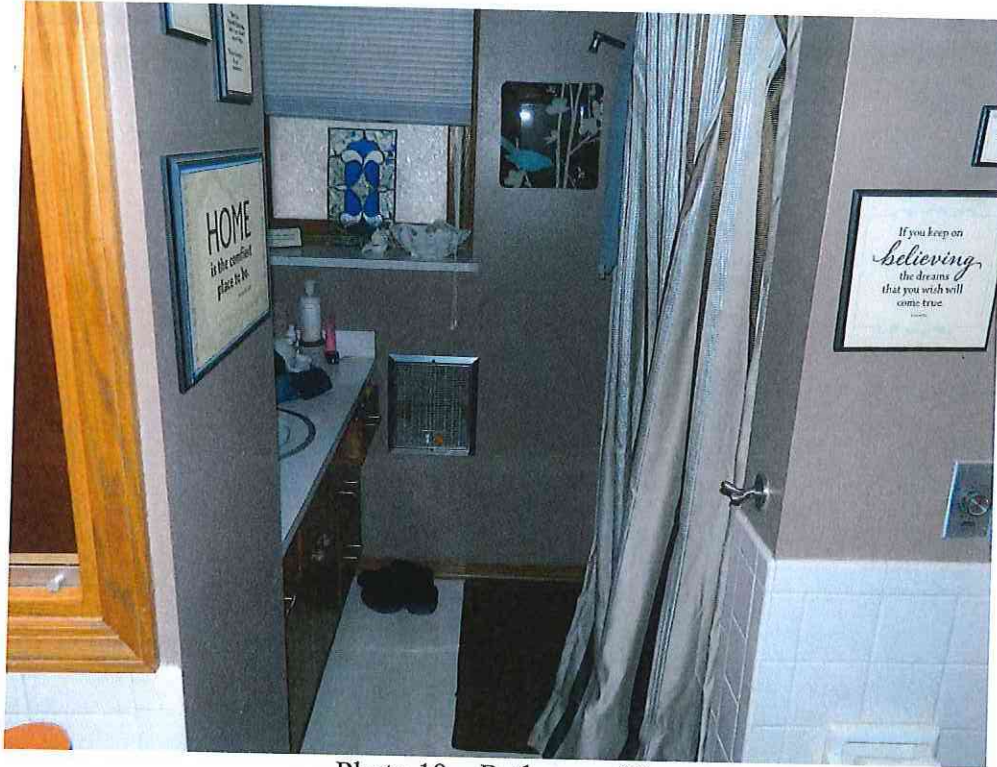


Photo 19 – Bathroom (2)



Photo 20 – First Floor Bedroom (picture taken 6/25/13, since no access given on 1/26/15)

Subject photos

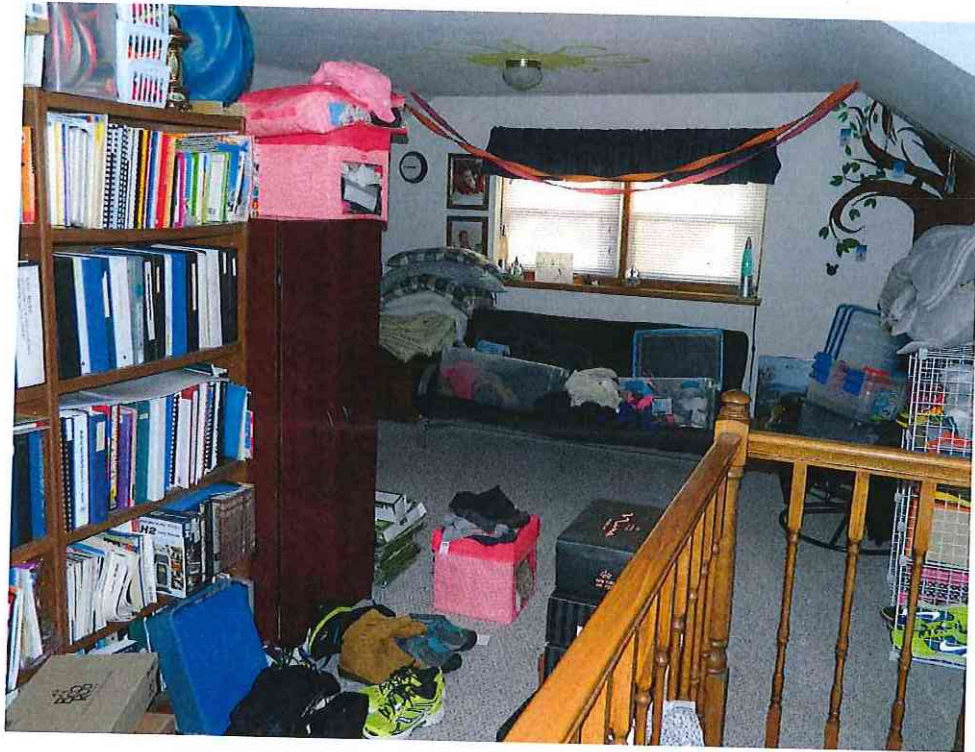


Photo 21 – Second Floor Hallway



Photo 22 – Second Floor Loft.

Subject photos



Photo 23 – Second Floor Bedroom.

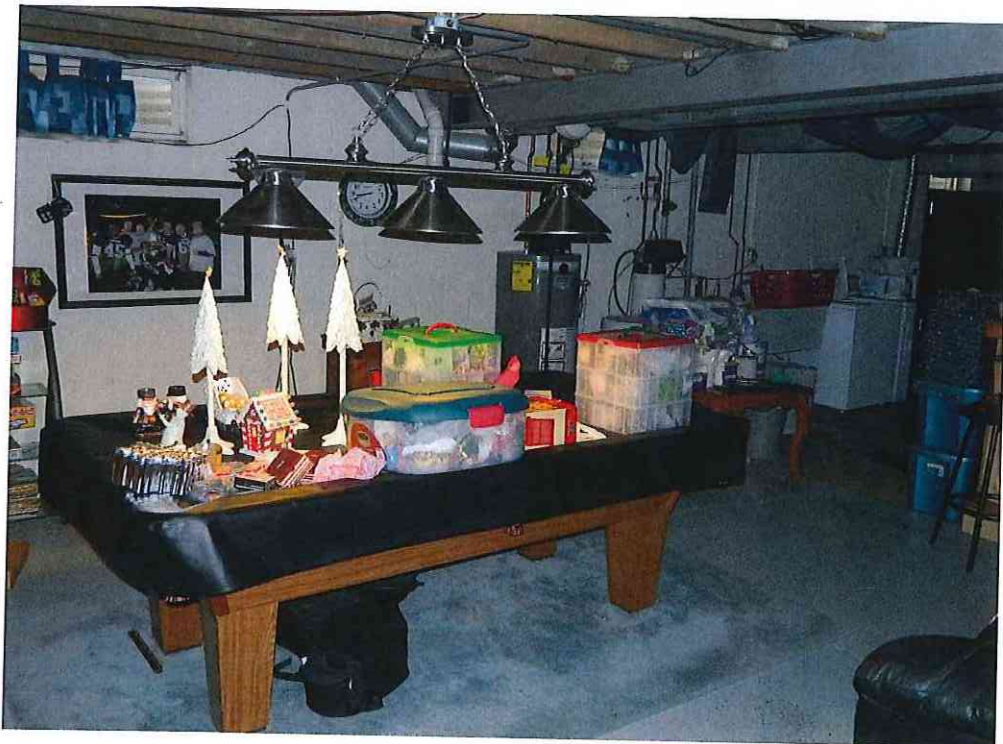


Photo 24 – Basement (1).

Subject photos



Photo 25 – New power vented water heater.



Photo 26 – Basement Furnace (3).

Subject photos



Photo 27 – Basement and Well pump/tank (4).



Photo 28 – Basement (5).

Subject photos



Photo 29 – Basement bar area.



Photo 30 – Basement Storage area.

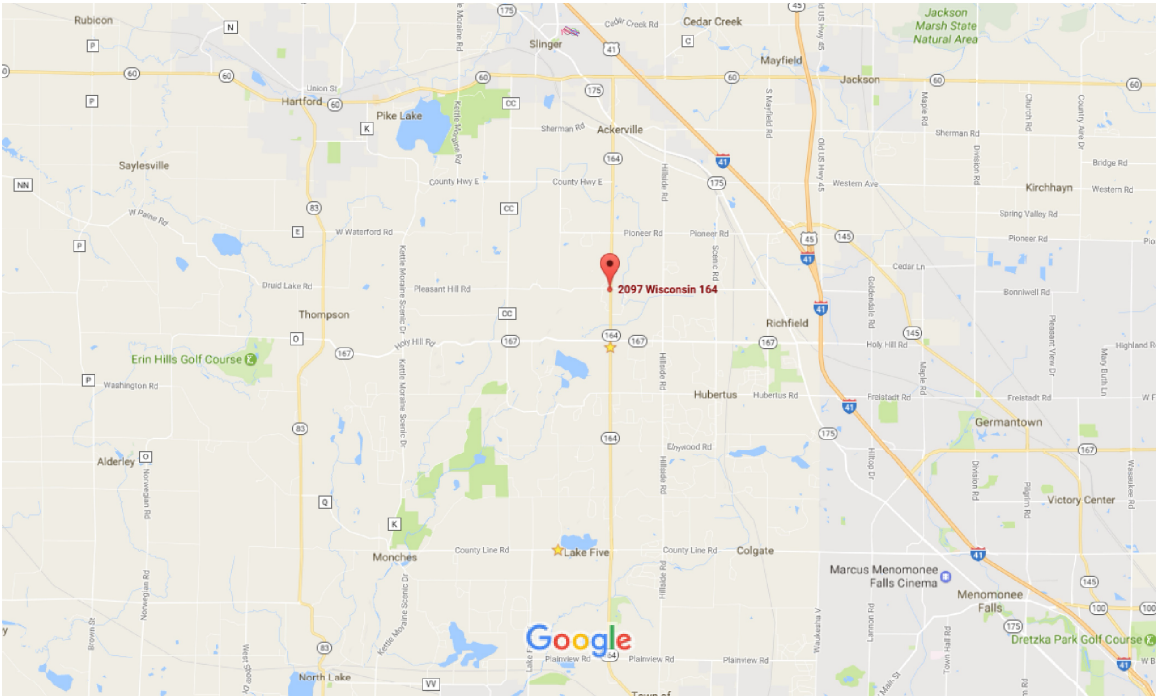
Subject photos



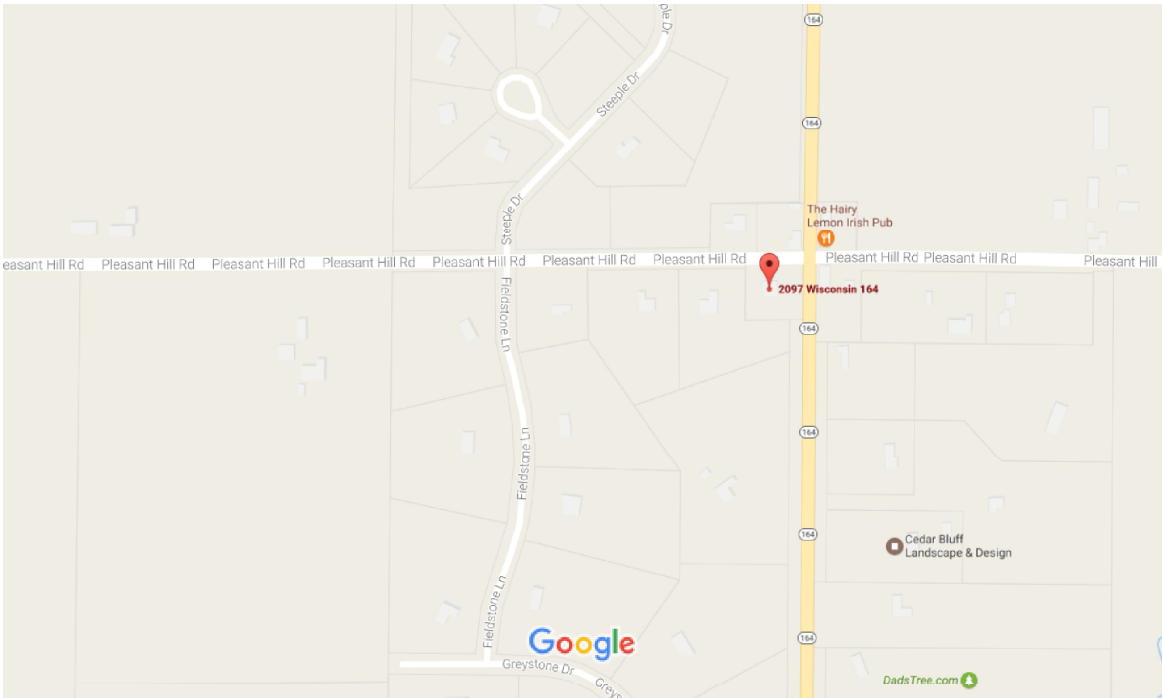
Photo 31 – Garage

Location maps

Google Maps 2097 WI-164
ID: 2709-03-20, Parcel 117



Google Maps 2097 WI-164



February 25, 2016

Michael Jenders
WisDot-DTSD-SE Region-Real Estate
PO Box 798
Waukesha, WI 53187-0798

RE: Asbestos NESHAP Inspection Report
WisDOT Project ID: 2709-03-20, Parcel 117
2097 STH 164
Richfield, Wisconsin 53076
PSI Project Number: 00541134

Dear Mr. Jenders,

In accordance with the State of Wisconsin Department of Transportation Purchase Order Number TRF 3550654, Professional Service Industries Inc. (PSI) has completed an Asbestos NESHAP Inspection at the referenced project. An electronic version of the final report is enclosed.

We appreciate the opportunity to provide our services on this project. If we can be of any further assistance, or if you have any questions regarding this report, please feel free to contact us at (262) 521-2125.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Matt Geldmeyer
Wisconsin Asbestos Inspector
License No. AI-16803

Enclosures

ASBESTOS NESHAP INSPECTION REPORT

OF

**WISDOT PROJECT ID: 2709-03-20, PARCEL
117
2097 STH 164
RICHFIELD, WISCONSIN 53076**

PREPARED FOR

**WISDOT-DTSD-SE REGION-REAL ESTATE
PO BOX 798
WAUKESHA, WI 53187-0798**

BY

**PROFESSIONAL SERVICE INDUSTRIES,
INC.
821 CORPORATE COURT
WAUKESHA, WI 53189**

PSI PROJECT NO. 00541134

February 25, 2016



Matt Geldmeyer
Wisconsin Asbestos Inspector
License No. All-16803



Larry Raether, P.E.
Department Manager

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APPENDIX

A Laboratory Analysis

B Certifications

C Drawings

1.1 EXECUTIVE SUMMARY

Professional Service Industries, Inc. (PSI) conducted an Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) Inspection at 2097 STH 164 in Richfield, Wisconsin. The structure surveyed consists of an approximately 1,686 ft² single-family residence with a full basement and a two car attached garage.

Asbestos Survey

Asbestos –Containing Materials

Asbestos-containing materials (ACM) identified at the subject site is summarized in the following tables.

2097 STH 164, Richfield, WI - Residence

ACM Description/Location	Square/Linear Footage
Brown/Tan Linoleum/Rooms 101 and 105	204 SF
Tan Linoleum/Rooms 102 and 103	85 SF
Plaster – Skim Coat on Ceiling/Rooms 106, 107, 108 and 109	385 SF
Carpet Mastic/Rooms 108, 109, STWL2, 201, 202, 203, 204, 205 and 206	650 SF
Exterior Door Caulk - Beige	5 SF (5 Windows)
Exterior Window Caulk - Beige	16 sf (16 Windows)
Electrical Boxes (Assumed ACM)/Room B01	1 EA

SF = Square Feet

LF = Linear Feet

EA = Each

NA = Not Applicable

Note: All other suspect asbestos-containing materials sampled during the building survey tested **negative** for the presence of asbestos. Please refer to Section 4.1 of this report for a complete listing of all materials tested.

The drywall/joint compound was found to contain asbestos, but was shown through point count analysis to contain one percent or less (<1%) asbestos and is therefore not an ACM as defined under NESHAP. Handling of this material must be conducted in accordance with OSHA requirements.

1.2 RECOMMENDATIONS

PSI recommends that all ACM be removed by a licensed abatement contractor prior to renovation/demolition to avoid the possible spread of airborne asbestos fibers during construction activities.

Although Category I non-friable asbestos-containing materials in good condition do not need to be removed prior to renovation/demolition, their quantities must be reported on the NESHAPS notification. Certain restrictions apply when demolishing buildings containing non-friable ACM.

Lastly, it is recommended that once the power to the property has been confirmed to have been disabled, the electrical system should be sampled or the materials should be assumed to contain asbestos and be handled appropriately according to all applicable regulations.

This summary does not contain all the information that is found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

2.1 AUTHORIZATION

Authorization to perform this survey was provided to PSI by Michael Jenders of the Wisconsin Department of Transportation on February 4, 2016.

2.2 WARRANTY

PSI warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the WISDOT information regarding the presence of suspect ACM existing in the facility at the time of inspection. Test results are valid only for the material tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. The study is also limited to the information available from the client at the time it was conducted.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.

An EPA accredited asbestos inspector conducted the on-site survey on February 8-9, 2016.

3.1 ASBESTOS SURVEY METHODOLOGY

Inspection Procedures

The asbestos survey was performed by Mr. Matt Geldmeyer (Wisconsin Asbestos Inspector # All-16803). An initial building walk-through was conducted to determine the presence of suspect materials, which were accessible and/or exposed. Materials that were similar in general appearance were grouped into homogeneous sampling areas.

Sampling Procedures

Following the walkthrough, the inspector collected samples of selected materials identified as suspect ACM.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to represent the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from already damaged areas or areas which were the least visible to minimize disturbance of the material.

3.2 LABORATORY METHODOLOGY

Method of Analysis

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. All suspect asbestos bulk samples were analyzed by Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency (EPA) Interim Method for the determination of asbestos in bulk samples (EPA-600/R-93/116, July 1993). The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc) and non-fibrous constituents. Asbestos was identified by refractive indices, morphology, color pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

Laboratory Quality Control Program

The laboratory maintains an in-house quality control program that consists of blind reanalysis of ten percent of all sample, precision and accuracy controls, and use of standard bulk reference materials.

4.0 FINDINGS

4.1 ASBESTOS SURVEY

Thirty-three (33) suspect asbestos-containing building materials were identified with a total of one hundred two (102) bulk samples collected from the subject site for laboratory analysis. Per client directive, analysis of each homogenous building material group was stopped upon the first positive result. As a result, ninety (90) bulk samples were analyzed. Two samples were point counted. The table below lists the samples collected, their description, and the analytical results.

A material is considered by the Environmental Protection Agency (EPA) to be asbestos-containing if at least one sample collected from the area shows asbestos present in an amount greater than one (1) percent. Please refer to the appendix for a more detailed description of the microscopic analysis of individual samples.

Address: 2097 STH 164, Richfield, WI

2097 STH 164, Richfield, WI – Residence

Sample Number	Room Number	Material Description	Results
1A	B01	Concrete Block	NAD
1B	B02	Concrete Block	NAD
1C	B03	Concrete Block	NAD
2A	B01	Concrete Block Mortar	NAD
2B	B02	Concrete Block Mortar	NAD
2C	B03	Concrete Block Mortar	NAD
3A	B03	Drywall/Joint Compound Composite	< 1% PC
3B	104	Drywall/Joint Compound Composite	< 1% PC
3C	201	Drywall/Joint Compound Composite	< 1% PC
4A	B01	Electrical Wire Insulation	NAD
4B	B04	Electrical Wire Insulation	NAD
4C	Exterior	Electrical Wire Insulation	NAD
5A	100	Fiberglass Batt Insulation with Suspect Layer	NAD
5B	201	Fiberglass Batt Insulation with Suspect Layer	NAD
5C	203	Fiberglass Batt Insulation with Suspect Layer	NAD
6A	100	Wood Mortar	NAD
6B	200	Wood Mortar	NAD
6C	200	Wood Mortar	NAD
7A	101	Tan Flooring (Top Layer)	NAD
7B	105	Tan Flooring (Top Layer)	NAD
7C	105	Tan Flooring (Top Layer)	NAD
8A	101	Brown/Tan Linoleum	25% Chrysotile
8B	105	Brown/Tan Linoleum	Not Tested

Sample Number	Room Number	Material Description	Results
8C	105	Brown/Tan Linoleum	Not Tested
9A	102	White Linoleum	NAD
9B	102	White Linoleum	NAD
9C	103	White Linoleum	NAD
10A	102	Tan Linoleum	25% Chrysotile
10B	102	Tan Linoleum	Not Tested
10C	103	Tan Linoleum	Not Tested
11A	103	Ceramic Tile Mastic	NAD
11B	103	Ceramic Tile Mastic	NAD
11C	103	Ceramic Tile Mastic	NAD
12A	102	Ceramic Tile Grout	NAD
12B	103	Ceramic Tile Grout	NAD
12C	103	Ceramic Tile Grout	NAD
13A	103	Plaster – Base Coat Only	NAD
13B	108	Plaster – Base Coat Only	NAD
13C	203	Plaster – Base Coat Only	NAD
14A	104	Fiber Board	NAD
14B	106	Fiber Board	NAD
14C	200	Fiber Board	NAD
15A	104	Window Caulk - White	NAD
15B	104	Window Caulk - White	NAD
15C	104	Window Caulk - White	NAD
16A	106	Floor Underlayment Paper - Tan	NAD
16B	201	Floor Underlayment Paper - Tan	NAD
16C	205	Floor Underlayment Paper - Tan	NAD
17A	106	Plaster – Skim Coat on Ceiling	2% Chrysotile
17B	108	Plaster – Skim Coat on Ceiling	Not Tested
17C	107	Plaster – Skim Coat on Ceiling	Not Tested
18A	106	Drywall (No Joint Compound)	NAD
18B	108	Drywall (No Joint Compound)	NAD
18C	107	Drywall (No Joint Compound)	NAD
19A	108	Carpet Mastic	2% Chrysotile
19B	203	Carpet Mastic	Not Tested
19C	205	Carpet Mastic	Not Tested
20A	200	Siding Felt – Tan	NAD
20B	200	Siding Felt – Tan	NAD
20C	200	Siding Felt – Tan	NAD
21A	200	Siding Tar Paper	NAD
21B	Exterior	Siding Tar Paper	NAD
21C	Exterior	Siding Tar Paper	NAD
22A	Exterior	Roof Shingle – Gray (Top Layer)	NAD
22B	Roof	Roof Shingle – Gray (Top Layer)	NAD
22C	Roof	Roof Shingle – Gray (Top Layer)	NAD
23A	Roof	Roof Shingle – Red (Middle Layer)	NAD
23B	200	Roof Shingle – Red (Middle Layer)	NAD

Sample Number	Room Number	Material Description	Results
23C	Roof	Roof Shingle – Red (Middle Layer)	NAD
24A	Roof	Roof Shingle – Tan (Bottom Layer)	NAD
24B	Roof	Roof Shingle – Tan (Bottom Layer)	NAD
24C	Roof	Roof Shingle – Tan (Bottom Layer)	NAD
25A	Roof	Roof Tar Paper	NAD
25B	Roof	Roof Tar Paper	NAD
25C	Roof	Roof Tar Paper	NAD
26A	Exterior	Brick	NAD
26B	Exterior	Brick	NAD
26C	Exterior	Brick	NAD
27A	Exterior	Brick Mortar	NAD
27B	Exterior	Brick Mortar	NAD
27C	Exterior	Brick Mortar	NAD
28A	ExteriorR	Exterior Window Pane Glazing (Basement Windows Only)	NAD
28B	Exterior	Exterior Window Pane Glazing (Basement Windows Only)	NAD
28C	Exterior	Exterior Window Pane Glazing (Basement Windows Only)	NAD
29A	Exterior	Exterior Window Caulk - White	NAD
29B	Exterior	Exterior Window Caulk - White	NAD
29C	Exterior	Exterior Window Caulk - White	NAD
30A	Exterior	Exterior Door Caulk - White	NAD
30B	Exterior	Exterior Door Caulk - White	NAD
30C	Exterior	Exterior Door Caulk - White	NAD
31A	Exterior	Exterior Door Caulk - Beige	5% Chrysotile
31B	Exterior	Exterior Door Caulk - Beige	Not Tested
31C	Exterior	Exterior Door Caulk - Beige	Not Tested
32A	Exterior	Exterior Window Caulk - Beige	5% Chrysotile
32B	Exterior	Exterior Window Caulk - Beige	Not Tested
32C	Exterior	Exterior Window Caulk - Beige	Not Tested
33A	106	Plaster – Skim and Base Coats	NAD
33B	108	Plaster – Skim and Base Coats	NAD
33C	201	Plaster – Skim and Base Coats	NAD
33D	202	Plaster – Skim and Base Coats	NAD
33E	205	Plaster – Skim and Base Coats	NAD

NAD = No Asbestos Detected

PC = Point Count Analysis

4.2 ASBESTOS SUMMARY

The following table summarizes the category, quantities and condition of ACM:

Address: 2097 STH 164, Richfield, WI

2097 STH 164, Richfield, WI - Residence

Material Description/Location	Category	Quantity	Material Condition
Brown/Tan Linoleum/Rooms 101 and 105	RACM	204 SF	Good
Tan Linoleum/Rooms 102 and 103	RACM	85 SF	Good
Plaster – Skim Coat on Ceiling/Rooms 106, 107, 108 and 109	RACM	385 SF	Good
Carpet Mastic/Rooms 108, 109, STWL2, 201, 202, 203, 204, 205 and 206	Cat. II, NF	650 SF	Good
Exterior Door Caulk - Beige	Cat. I, NF	5 SF (5 Windows)	Good
Exterior Window Caulk - Beige	Cat. I, NF	16 sf (16 Windows)	Good
Electrical Boxes (Assumed ACM)/Room B01	RACM	1 EA	Good

RACM = Regulated Asbestos-Containing Materials

Cat. I, NF = Category I Non Friable

Cat. II, NF = Category II Non Friable

SF = Square Feet

LF = Linear Feet

EA = Each

The drywall/joint compound was found to contain asbestos, but was shown through point count analysis to contain one percent or less (<1%) asbestos and is therefore not an ACM as defined under NESHAP. Handling of this material must be conducted in accordance with OSHA requirements.

■ Friability Classifications

A regulated asbestos-containing material (RACM) as defined by National Emissions Standard for Hazardous Air Pollutants (NESHAP) is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

- **Friable Materials** NESHAP defines a friable ACM as any material containing more than one percent asbestos, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Non-friable** NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except vinyl sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.
- **Category II Non-friable** NESHAP defines a Category II non-friable ACM as any material, except for a Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.

5.0 RECOMMENDATIONS

PSI recommends that all ACM be removed by a licensed abatement contractor prior to renovation/demolition to avoid the possible spread of airborne asbestos fibers during construction activities.

Although Category I non-friable asbestos-containing materials in good condition do not need to be removed prior to renovation/demolition, their quantities must be reported on the NESHAPS notification. Certain restrictions apply when demolishing buildings containing non-friable ACM.

Lastly, it is recommended that once the power to the property has been confirmed to have been disabled, the electrical system should be sampled or the materials should be assumed to contain asbestos and be handled appropriately according to all applicable regulations.

This summary does not contain all the information that is found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

APPENDIX A
LABORATORY ANALYSIS



February 11, 2016

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164
CEI LAB CODE: B16-1380

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 10, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

CEI LAB CODE: B16-1380

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

REPORT DATE: 02/11/16

TOTAL SAMPLES ANALYZED: 91

SAMPLES >1% ASBESTOS: 6

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi22709-03-20, 5th164 Parcel
117; 2097 5th 164

CEI LAB CODE: B16-1380

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1A		B143289	White	Concrete Block	None Detected
1B		B143290	White	Concrete Block	None Detected
1C		B143291	White	Concrete Block	None Detected
2A		B143292	Gray	Concrete Block Mortar	None Detected
2B		B143293	Gray	Concrete Block Mortar	None Detected
2C		B143294	Gray	Concrete Block Mortar	None Detected
3A		B143295	White,Gray	Drywall/Joint Compound	None Detected
3B		B143296	White,Gray	Drywall/Joint Compound	Chrysotile <1%
3C		B143297	White,Gray	Drywall/Joint Compound	Chrysotile <1%
4A		B143298	Black	Electric Wiring	None Detected
4B		B143299	White	Electric Wiring	None Detected
4C		B143300	Red	Electric Wiring	None Detected
5A		B143301	Black,Brown	Batting Insulation	None Detected
5B		B143302	Black,Brown	Batting Insulation	None Detected
5C		B143303	Black,Brown	Batting Insulation	None Detected
6A		B143304	Gray	Wood Mortar	None Detected
6B		B143305	Gray	Wood Mortar	None Detected
6C		B143306	Gray	Wood Mortar	None Detected
7A		B143307	Tan	Flooring	None Detected
7B		B143308	Tan	Flooring	None Detected
7C		B143309	Tan	Flooring	None Detected
8A		B143310	Brown,Tan	Linoleum	Chrysotile 25%
8B		B143311		Sample Not Analyzed per COC	
8C		B143312		Sample Not Analyzed per COC	
9A		B143313	White	Linoleum	None Detected
9B		B143314	White	Linoleum	None Detected
9C		B143315	White	Linoleum	None Detected
10A		B143316	Tan	Linoleum	Chrysotile 25%
10B		B143317		Sample Not Analyzed per COC	
10C		B143318		Sample Not Analyzed per COC	
11A		B143319	Yellow	Ceramic Tile Mastic	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi22709-03-20, 5th164 Parcel
117; 2097 5th 164

CEI LAB CODE: B16-1380

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11B		B143320	Yellow	Ceramic Tile Mastic	None Detected
11C		B143321	Yellow	Ceramic Tile Mastic	None Detected
12A		B143322	White	Ceramic Tile Grout	None Detected
12B		B143323	White	Ceramic Tile Grout	None Detected
12C		B143324	White	Ceramic Tile Grout	None Detected
13A		B143325	Gray	Plaster Base Coat	None Detected
13B		B143326	Gray	Plaster Base Coat	None Detected
13C		B143327	Gray	Plaster Base Coat	None Detected
14A		B143328	Brown	Fiberboard	None Detected
14B		B143329	Brown	Fiberboard	None Detected
14C		B143330	Brown	Fiberboard	None Detected
15A		B143331	White	Window Caulk	None Detected
15B		B143332	White	Window Caulk	None Detected
15C		B143333	White	Window Caulk	None Detected
16A		B143334	Tan	Underlayment Paper	None Detected
16B		B143335	Tan	Underlayment Paper	None Detected
16C		B143336	Tan	Underlayment Paper	None Detected
17A	Layer 1	B143337	White,Tan	Texture	Chrysotile 2%
	Layer 2	B143337	Gray	Plaster Base Coat	None Detected
17B	Layer 1	B143338		Sample Not Analyzed per COC	
	Layer 2	B143338	White	Plaster Skim Coat	None Detected
	Layer 3	B143338	Gray	Plaster Base Coat	None Detected
17C	Layer 1	B143339	White	Plaster Skim Coat	None Detected
	Layer 2	B143339	Gray	Plaster Base Coat	None Detected
18A		B143340	Gray	Drywall	None Detected
18B		B143341	Gray	Drywall	None Detected
18C		B143342	Gray	Drywall	None Detected
19A		B143343	Brown,Gray	Carpet Mastic	Chrysotile 2%
19B		B143344		Sample Not Analyzed per COC	
19C		B143345		Sample Not Analyzed per COC	
20A		B143346	Tan	Siding Felt	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi22709-03-20, 5th164 Parcel
117; 2097 5th 164

CEI LAB CODE: B16-1380

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
20B		B143347	Tan	Siding Felt	None Detected
20C		B143348	Tan	Siding Felt	None Detected
21A		B143349	Black	Siding Tarpaper	None Detected
21B		B143350	Black	Siding Tarpaper	None Detected
21C		B143351	Black	Siding Tarpaper	None Detected
22A		B143352	Gray	Roof Shingle	None Detected
22B		B143353	Gray	Roof Shingle	None Detected
22C		B143354	Gray	Roof Shingle	None Detected
23A		B143355	Red	Roof Shingle	None Detected
23B		B143356	Red	Roof Shingle	None Detected
23C		B143357	Red	Roof Shingle	None Detected
24A		B143358	Tan	Roof Shingle	None Detected
24B		B143359	Tan	Roof Shingle	None Detected
24C		B143360	Tan	Roof Shingle	None Detected
25A		B143361	Black	Roof Tarpaper	None Detected
25B		B143362	Black	Roof Tarpaper	None Detected
25C		B143363	Black	Roof Tarpaper	None Detected
26A		B143364	Red	Brick	None Detected
26B		B143365	Red	Brick	None Detected
26C		B143366	Red	Brick	None Detected
27A		B143367	White	Brick Mortar	None Detected
27B		B143368	White	Brick Mortar	None Detected
27C		B143369	White	Brick Mortar	None Detected
28A		B143370	White	Window Pane Glazing	None Detected
28B		B143371	White	Window Pane Glazing	None Detected
28C		B143372	White	Window Pane Glazing	None Detected
29A		B143373	White	Window Caulk	None Detected
29B		B143374	White	Window Caulk	None Detected
29C		B143375	White	Window Caulk	None Detected
30A		B143376	White	Door Caulk	None Detected
30B		B143377	White	Door Caulk	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi22709-03-20, 5th164 Parcel
117; 2097 5th 164

CEI LAB CODE: B16-1380

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
30C		B143378	White	Door Caulk	None Detected
31A		B143379	Beige	Door Caulk	Chrysotile 5%
31B		B143380		Sample Not Analyzed per COC	
31C		B143381		Sample Not Analyzed per COC	
32A		B143382	Beige	Window Caulk	Chrysotile 5%
32B		B143383		Sample Not Analyzed per COC	
32C		B143384		Sample Not Analyzed per COC	
33A	Layer 1	B143385	White	Plaster Skim Coat	None Detected
	Layer 2	B143385	White	Plaster Base Coat	None Detected
33B	Layer 1	B143386	White	Plaster Skim Coat	None Detected
	Layer 2	B143386	White	Plaster Base Coat	None Detected
33C	Layer 1	B143387	White	Plaster Skim Coat	None Detected
	Layer 2	B143387	White	Plaster Base Coat	None Detected
33D	Layer 1	B143388	White	Plaster Skim Coat	None Detected
	Layer 2	B143388	White	Plaster Base Coat	None Detected
33E	Layer 1	B143389	White	Plaster Skim Coat	None Detected
	Layer 2	B143389	White	Plaster Base Coat	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1380
Date Received: 02-10-16
Date Analyzed: 02-11-16
Date Reported: 02-11-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
1A B143289	Concrete Block	Heterogeneous		80% Gravel	None Detected
		White		20% Binder	
		Non-fibrous		<1% Paint	
		Bound			
1B B143290	Concrete Block	Heterogeneous		80% Gravel	None Detected
		White		20% Binder	
		Non-fibrous			
		Bound			
1C B143291	Concrete Block	Heterogeneous		80% Gravel	None Detected
		White		20% Binder	
		Non-fibrous		<1% Paint	
		Bound			
2A B143292	Concrete Block Mortar	Heterogeneous		70% Silicates	None Detected
		Gray		30% Binder	
		Non-fibrous		<1% Paint	
		Bound			
2B B143293	Concrete Block Mortar	Heterogeneous		70% Silicates	None Detected
		Gray		30% Binder	
		Non-fibrous			
		Bound			
2C B143294	Concrete Block Mortar	Heterogeneous		70% Silicates	None Detected
		Gray		30% Binder	
		Non-fibrous			
		Bound			
3A B143295	Drywall/Joint Compound	Heterogeneous	10% Cellulose	50% Gypsum	None Detected
		White, Gray		35% Binder	
		Fibrous		5% Paint	
		Loosely Bound			



ASBESTOS BULK ANALYSIS

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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
3B B143296	Drywall/Joint Compound	Heterogeneous White, Gray Fibrous Loosely Bound	10%	Cellulose	50%	Gypsum 35% Binder 5% Paint	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound; <1% chrysotile in overall sample							
3C B143297	Drywall/Joint Compound	Heterogeneous White, Gray Fibrous Loosely Bound	10%	Cellulose	50%	Gypsum 35% Binder 5% Paint	<1% Chrysotile
Lab Notes: 2% Chrysotile in joint compound; <1% chrysotile in overall sample							
4A B143298	Electric Wiring	Heterogeneous Black Non-fibrous Bound			100%	Vinyl	None Detected
4B B143299	Electric Wiring	Heterogeneous White Non-fibrous Bound			100%	Vinyl	None Detected
4C B143300	Electric Wiring	Heterogeneous Red Non-fibrous Bound			100%	Vinyl	None Detected
5A B143301	Batting Insulation	Heterogeneous Black, Brown Fibrous Bound	50% 5%	Cellulose Fiberglass	45%	Tar	None Detected
5B B143302	Batting Insulation	Heterogeneous Black, Brown Fibrous Bound	50% 5%	Cellulose Fiberglass	45%	Tar	None Detected



ASBESTOS BULK ANALYSIS

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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
5C B143303	Batting Insulation	Heterogeneous Black,Brown Fibrous Bound	50% 5%	Cellulose Fiberglass	45%	Tar	None Detected
6A B143304	Wood Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	70% 30%	Silicates Calc Carb	None Detected
6B B143305	Wood Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	70% 30%	Silicates Calc Carb	None Detected
6C B143306	Wood Mortar	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	70% 30%	Silicates Calc Carb	None Detected
7A B143307	Flooring	Heterogeneous Tan Fibrous Bound	50%	Cellulose	20% 20% 10%	Vinyl Binder Foam	None Detected
7B B143308	Flooring	Heterogeneous Tan Fibrous Bound	50%	Cellulose	20% 20% 10%	Vinyl Binder Foam	None Detected
7C B143309	Flooring	Heterogeneous Tan Fibrous Bound	50%	Cellulose	25% 25%	Vinyl Binder	None Detected



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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
8A B143310	Linoleum	Heterogeneous Brown,Tan Fibrous Bound			50% 20% 5%	Vinyl Binder Mastic	25% Chrysotile
8B B143311	Sample Not Analyzed per COC						
8C B143312	Sample Not Analyzed per COC						
9A B143313	Linoleum	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 20% 5%	Vinyl Binder Mastic	None Detected
9B B143314	Linoleum	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 20% 5%	Vinyl Binder Mastic	None Detected
9C B143315	Linoleum	Heterogeneous White Fibrous Bound	25%	Cellulose	50% 20% 5%	Vinyl Binder Mastic	None Detected
10A B143316	Linoleum	Heterogeneous Tan Fibrous Bound			50% 20% 5%	Vinyl Binder Mastic	25% Chrysotile
10B B143317	Sample Not Analyzed per COC						
10C B143318	Sample Not Analyzed per COC						



ASBESTOS BULK ANALYSIS

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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
11A B143319	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
11B B143320	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
11C B143321	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		100% Mastic	None Detected
12A B143322	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		70% Calc Carb 30% Binder	None Detected
12B B143323	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		70% Calc Carb 30% Binder	None Detected
12C B143324	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		70% Calc Carb 30% Binder	None Detected
13A B143325	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1% Cellulose <1% Hair	70% Silicates 20% Calc Carb 10% Binder	None Detected



ASBESTOS BULK ANALYSIS

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Date Reported: 02-11-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
13B B143326	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	70%	Silicates	None Detected
			<1%	Hair	20%	Calc Carb	
					10%	Binder	
13C B143327	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	70%	Silicates	None Detected
			<1%	Hair	20%	Calc Carb	
					10%	Binder	
14A B143328	Fiberboard	Heterogeneous Brown Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
14B B143329	Fiberboard	Heterogeneous Brown Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
14C B143330	Fiberboard	Heterogeneous Brown Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
15A B143331	Window Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
15B B143332	Window Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected



ASBESTOS BULK ANALYSIS

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Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

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Date Reported: 02-11-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
15C B143333	Window Caulk	Heterogeneous White Non-fibrous Bound		100% Caulk	None Detected
16A B143334	Underlayment Paper	Heterogeneous Tan Fibrous Bound	100% Cellulose		None Detected
16B B143335	Underlayment Paper	Heterogeneous Tan Fibrous Bound	100% Cellulose		None Detected
16C B143336	Underlayment Paper	Heterogeneous Tan Fibrous Bound	100% Cellulose		None Detected
17A Layer 1 B143337	Texture	Heterogeneous White, Tan Fibrous Bound	70% 20% 8%	Calc Carb Paint Binder	2% Chrysotile
Layer 2 B143337	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1% Cellulose <1% Hair	60% Silicates 30% Calc Carb 10% Binder	None Detected
Lab Notes: No skim coat present					
17B Layer 1 B143338	Sample Not Analyzed per COC				



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B143338	Plaster Skim Coat	Heterogeneous			70%	Silicates	None Detected
		White			30%	Calc Carb	
		Non-fibrous					
		Bound					
Layer 3 B143338	Plaster Base Coat	Heterogeneous	<1%	Cellulose	60%	Silicates	None Detected
		Gray	<1%	Hair	30%	Calc Carb	
		Fibrous			10%	Binder	
		Bound					
17C Layer 1 B143339	Plaster Skim Coat	Heterogeneous			70%	Silicates	None Detected
		White			25%	Calc Carb	
		Non-fibrous			5%	Paint	
		Bound					
Lab Notes: No texture present							
Layer 2 B143339	Plaster Base Coat	Heterogeneous	<1%	Cellulose	60%	Silicates	None Detected
		Gray	<1%	Hair	30%	Calc Carb	
		Fibrous			10%	Binder	
		Bound					
18A B143340	Drywall	Heterogeneous	10%	Cellulose	60%	Gypsum	None Detected
		Gray			30%	Binder	
		Fibrous					
		Loosely Bound					
18B B143341	Drywall	Heterogeneous	10%	Cellulose	60%	Gypsum	None Detected
		Gray			30%	Binder	
		Fibrous					
		Loosely Bound					
18C B143342	Drywall	Heterogeneous	10%	Cellulose	60%	Gypsum	None Detected
		Gray			30%	Binder	
		Fibrous					
		Loosely Bound					



ASBESTOS BULK ANALYSIS

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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
19A B143343	Carpet Mastic	Heterogeneous Brown,Gray Fibrous Loose	5%	Synthetic Fiber	70% 23%	Mastic Binder	2% Chrysotile
19B B143344	Sample Not Analyzed per COC						
19C B143345	Sample Not Analyzed per COC						
20A B143346	Siding Felt	Heterogeneous Tan Fibrous Loosely Bound	100%	Cellulose			None Detected
20B B143347	Siding Felt	Heterogeneous Tan Fibrous Loosely Bound	100%	Cellulose			None Detected
20C B143348	Siding Felt	Heterogeneous Tan Fibrous Loosely Bound	100%	Cellulose			None Detected
21A B143349	Siding Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
21B B143350	Siding Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected



ASBESTOS BULK ANALYSIS

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Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
21C B143351	Siding Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
22A B143352	Roof Shingle	Heterogeneous Gray Fibrous Bound	20%	Fiberglass	30% 30% 20%	Tar Gravel Binder	None Detected
22B B143353	Roof Shingle	Heterogeneous Gray Fibrous Bound	20%	Fiberglass	30% 30% 20%	Tar Gravel Binder	None Detected
22C B143354	Roof Shingle	Heterogeneous Gray Fibrous Bound	20%	Fiberglass	30% 30% 20%	Tar Gravel Binder	None Detected
23A B143355	Roof Shingle	Heterogeneous Red Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected
23B B143356	Roof Shingle	Heterogeneous Red Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected
23C B143357	Roof Shingle	Heterogeneous Red Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
24A B143358	Roof Shingle	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected
24B B143359	Roof Shingle	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected
24C B143360	Roof Shingle	Heterogeneous Tan Fibrous Bound	30%	Cellulose	30% 30% 10%	Tar Gravel Binder	None Detected
25A B143361	Roof Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
25B B143362	Roof Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
25C B143363	Roof Tarpaper	Heterogeneous Black Fibrous Bound	60%	Cellulose	40%	Tar	None Detected
26A B143364	Brick	Heterogeneous Red Non-fibrous Bound			100%	Binder	None Detected



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
26B B143365	Brick	Heterogeneous Red Non-fibrous Bound		100% Binder	None Detected
26C B143366	Brick	Heterogeneous Red Non-fibrous Bound		100% Binder	None Detected
27A B143367	Brick Mortar	Heterogeneous White Non-fibrous Bound		70% Silicates 20% Calc Carb 10% Binder	None Detected
27B B143368	Brick Mortar	Heterogeneous White Non-fibrous Bound		70% Silicates 20% Calc Carb 10% Binder	None Detected
27C B143369	Brick Mortar	Heterogeneous White Non-fibrous Bound		70% Silicates 20% Calc Carb 10% Binder	None Detected
28A B143370	Window Pane Glazing	Heterogeneous White Fibrous Bound	2% Cellulose	70% Calc Carb 20% Binder 8% Paint	None Detected
28B B143371	Window Pane Glazing	Heterogeneous White Fibrous Bound	2% Cellulose	70% Calc Carb 20% Binder 8% Paint	None Detected



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
28C B143372	Window Pane Glazing	Heterogeneous White Fibrous Bound	2%	Cellulose	70% 20% 8%	Calc Carb Binder Paint	None Detected
29A B143373	Window Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
29B B143374	Window Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
29C B143375	Window Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
30A B143376	Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
30B B143377	Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
30C B143378	Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1380
Date Received: 02-10-16
Date Analyzed: 02-11-16
Date Reported: 02-11-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
31A B143379	Door Caulk	Heterogeneous Beige Fibrous Bound		60% Calc Carb 30% Binder 5% Paint	5% Chrysotile
31B B143380	Sample Not Analyzed per COC				
31C B143381	Sample Not Analyzed per COC				
32A B143382	Window Caulk	Heterogeneous Beige Fibrous Bound		60% Calc Carb 30% Binder 5% Paint	5% Chrysotile
32B B143383	Sample Not Analyzed per COC				
32C B143384	Sample Not Analyzed per COC				
33A Layer 1 B143385	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		90% Paint 10% Binder	None Detected
Layer 2 B143385	Plaster Base Coat	Heterogeneous White Fibrous Bound	<1% Cellulose <1% Hair	70% Silicates 30% Calc Carb	None Detected
33B Layer 1 B143386	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound		90% Paint 10% Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1380
Date Received: 02-10-16
Date Analyzed: 02-11-16
Date Reported: 02-11-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
Layer 2 B143386	Plaster Base Coat	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	70% 30%	Silicates Calc Carb	None Detected
33C Layer 1 B143387	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90% 10%	Paint Binder	None Detected
Layer 2 B143387	Plaster Base Coat	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	70% 30%	Silicates Calc Carb	None Detected
33D Layer 1 B143388	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90% 10%	Paint Binder	None Detected
Layer 2 B143388	Plaster Base Coat	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	70% 30%	Silicates Calc Carb	None Detected
33E Layer 1 B143389	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			90% 10%	Paint Binder	None Detected
Layer 2 B143389	Plaster Base Coat	Heterogeneous White Fibrous Bound	<1% <1%	Cellulose Hair	70% 30%	Silicates Calc Carb	None Detected



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

LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

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 polarized 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.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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., CIH
Laboratory Director





107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

101

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

B16 1380
B143289 B143389

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Ben Berg
Company: PSI, Inc	Email / Tel: (262) 521-2125
Address: 821 Corporate Court Klarkesha, IL 1 53189	Project Name: WOOT id: 2709-03-20, 5TH 164 Parcel 117 @ 20975TH 164
Email: jim.vpdice@psi-usa.com	Project ID# 00541134
Tel: (262) 521-2125 Fax: (262) 521-2471	PO #:
STATE SAMPLES COLLECTED IN: IL	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

* stop @ 1st positive

☐ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Goldmeyer	2/9/16	Matthew Goldmeyer	2/10/16 9:20am
Matthew Goldmeyer	by 17:00		

Samples will be disposed of 30 days after analysis



February 25, 2016

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164
CEI LAB CODE: B16-1380.1

Dear Customer:

Enclosed are asbestos analysis results for PLM bulk samples received at our laboratory on February 24, 2016. The samples were analyzed for asbestos using polarized light microscopy (PLM) point count per the EPA 600 Method.

Sample results containing > 1% asbestos are considered asbestos-containing materials (ACMs) per the EPA regulatory requirements. The detection limit for the EPA 600 method is 0.25% for 400 point counts, or 0.1% for 1,000 point counts.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

CEI LAB CODE: B16-1380.1

TEST METHOD: PLM Point Count
EPA 600 / R93 / 116 and EPA 600 / M4-82 / 020

REPORT DATE: 02/25/16

TEL: 866-481-1412
www.ceilabs.com



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1380.1
Date Received: 02-24-16
Date Analyzed: 02-25-16
Date Reported: 02-25-16

Project: WDOT idi22709-03-20, 5th164 Parcel 117; 2097 5th 164

ASBESTOS POINT COUNT PLM, EPA 600 METHOD

Client ID	Lab ID	Material Description	POINTS		ASBESTOS	
			Total	Asbestos	%	
3B	B143296	Joint Compound	400	7	1.8%	Chrysotile
	B143296	Drywall/Joint Compound (Composite Result from Point Count)			0.09%	Chrysotile
Lab Notes: Joint compound is 5% of sample: (5)(0.018) = 0.09%						
3C	B143297	Joint Compound	400	8	2.0%	Chrysotile
	B143297	Drywall/Joint Compound (Composite Result from Point Count)			0.10%	Chrysotile
Lab Notes: Joint compound is 5% of sample: (5)(0.020) = 0.10%						



LEGEND: None

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

LIMIT OF DETECTION: 0.25% by 400 points or 0.1% by 1,000 points

REGULATORY LIMIT: >1% by weight

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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

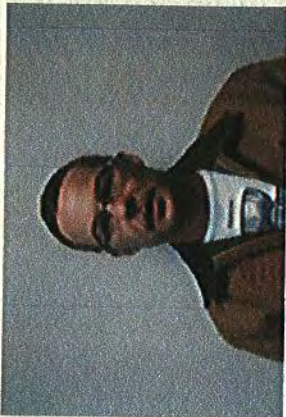
APPROVED BY: Tianbao Bai
Tianbao Bai, Ph.D., CIH
Laboratory Director



APPENDIX B
CERTIFICATIONS

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.
3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070



Matthew Raymond Geldmeyer

Has successfully completed a course and passed the examination on January 6, 2016 with a minimum score of 70 percent, that meets all criteria for the State of Wisconsin Recertification as an

Asbestos Inspector Refresher Course

Date of Course: January 6, 2016

Date Issued January 6, 2016

Date of Expiration: January 6, 2017

Certification Number: AIR16010653634

Location: Milwaukee Lead/Asbestos Information Center, 3495 North 124th Street, Brookfield, WI 53005

DCQ Course ID #: 9606

Rocky Everly

Rocky Everly, Director of Milwaukee Lead/Asbestos Information Center, Inc.
3495 North 124th Street
Brookfield, WI 53005
414-481-9070

This training course complies with the requirements of TSCA Title II and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159, Wis. Admin. Code.

Company Certificate

This certifies that

PSI - PROFESSIONAL SERVICE INDUSTRIES INC

821 CORPORATE CT
WAUKESHA WI 53189-5009

is certified under ch. DHS 159, Wis. Adm. Code as a

Asbestos Company - Primary

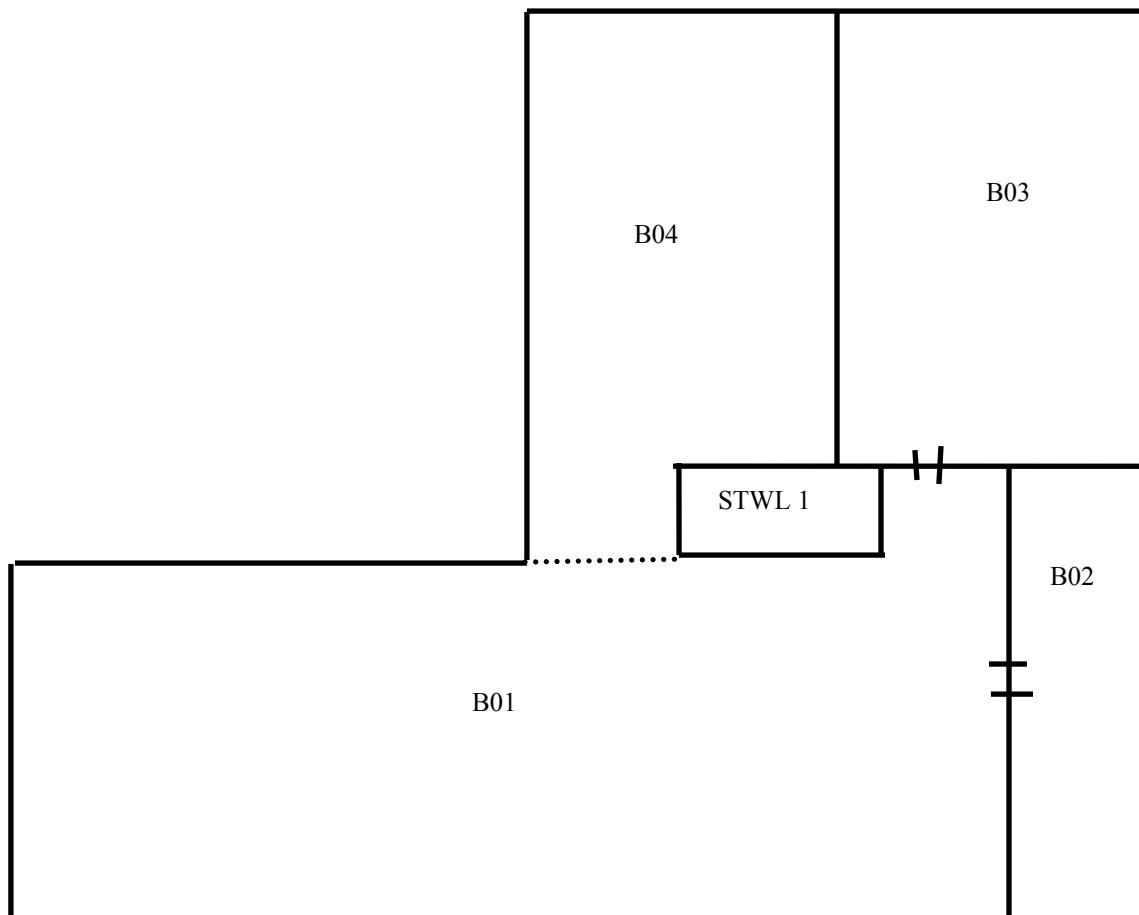
Certificate Issue Date: 07/16/2015
Expiration Date: 08/01/2017, 12:01 a.m.
Certification #: CAP-16820

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876



Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

APPENDIX C
DRAWINGS



ID: 2709-03-20, Parcel 117

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

Residence
WisDOT ID: 2709-03-20, Parcel 117
2097 State Highway 164
Richfield, Wisconsin

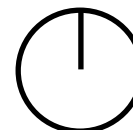
**Floor Plan
Basement**

2097 STH 164

PSI Project Number:
00541134

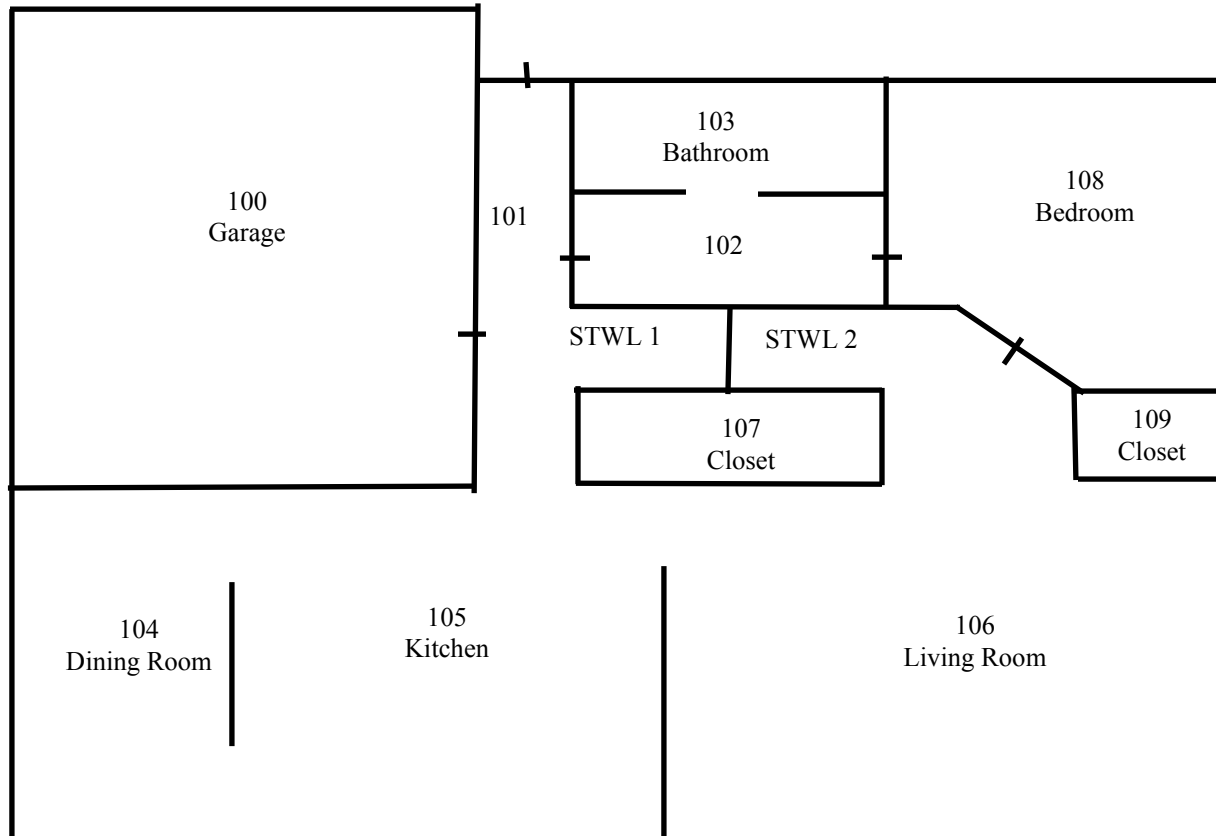
Scale:
Not to Scale

Date:
2/9/16



NORTH

Richfield, WI



ID: 2709-03-20, Parcel 117

Environmental Services
 821 Corporate Court
 Waukesha, Wisconsin 53189
 (262) 521-2125 Fax (262) 521-2471

Residence
WisDOT ID: 2709-03-20, Parcel 117
 2097 State Highway 164
 Richfield, Wisconsin

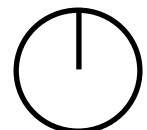
**Floor Plan
 First Floor**

2097 STH 164

PSI Project Number:
 00541134

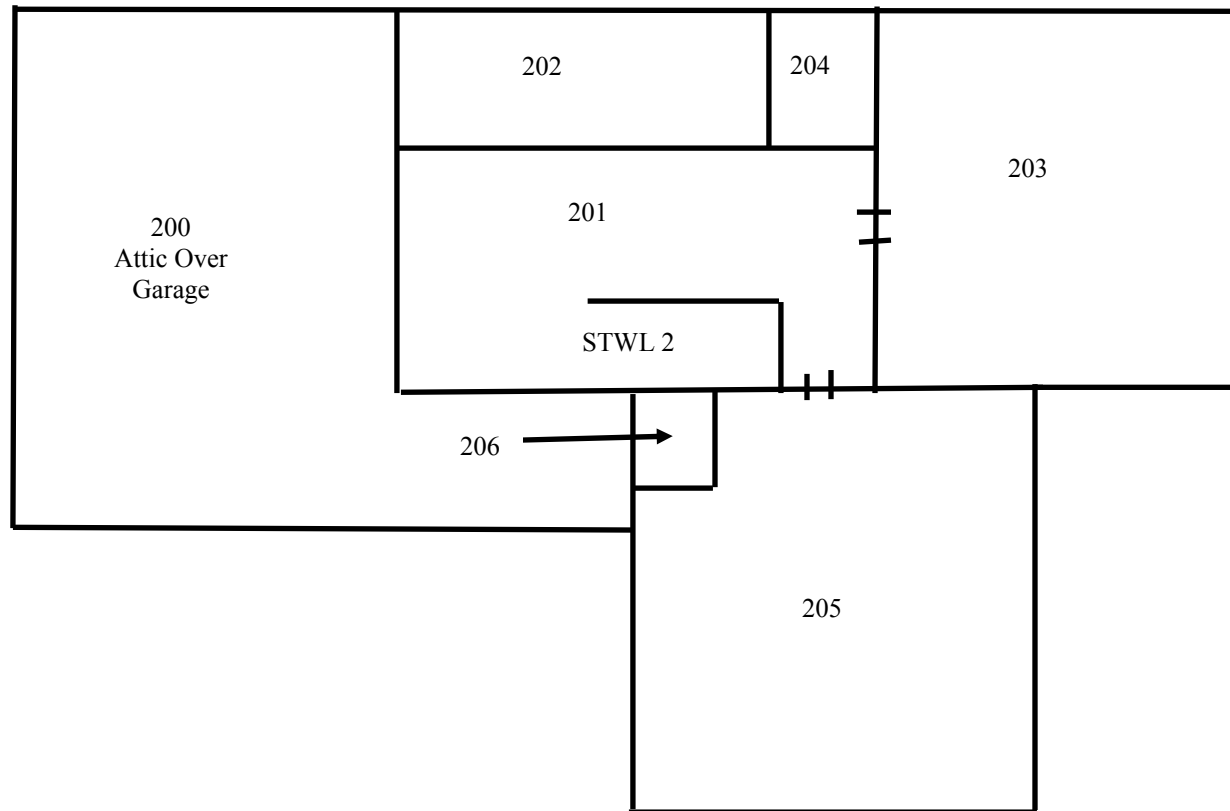
Scale:
 Not to Scale

Date:
 2/9/16



NORTH

Richfield, WI



ID: 2709-03-20, Parcel 117

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

Residence
WisDOT ID: 2709-03-20, Parcel 117
2097 State Highway 164
Richfield, Wisconsin

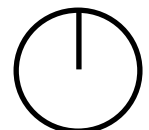
Floor Plan
Second Floor

2097 STH 164

PSI Project Number:
00541134

Scale:
Not to Scale

Date:
2/9/16



NORTH

Richfield, WI

Exhibits

ID 2709-03-20 – Parcel 125

Removal, Grading, Backfill

Floor Plans – Site Diagram

Photos

Location Map

Asbestos Inspection and Abatement Report

ID 2709-03-20, Parcel 125 – 2103 STH 164, Richfield, WI

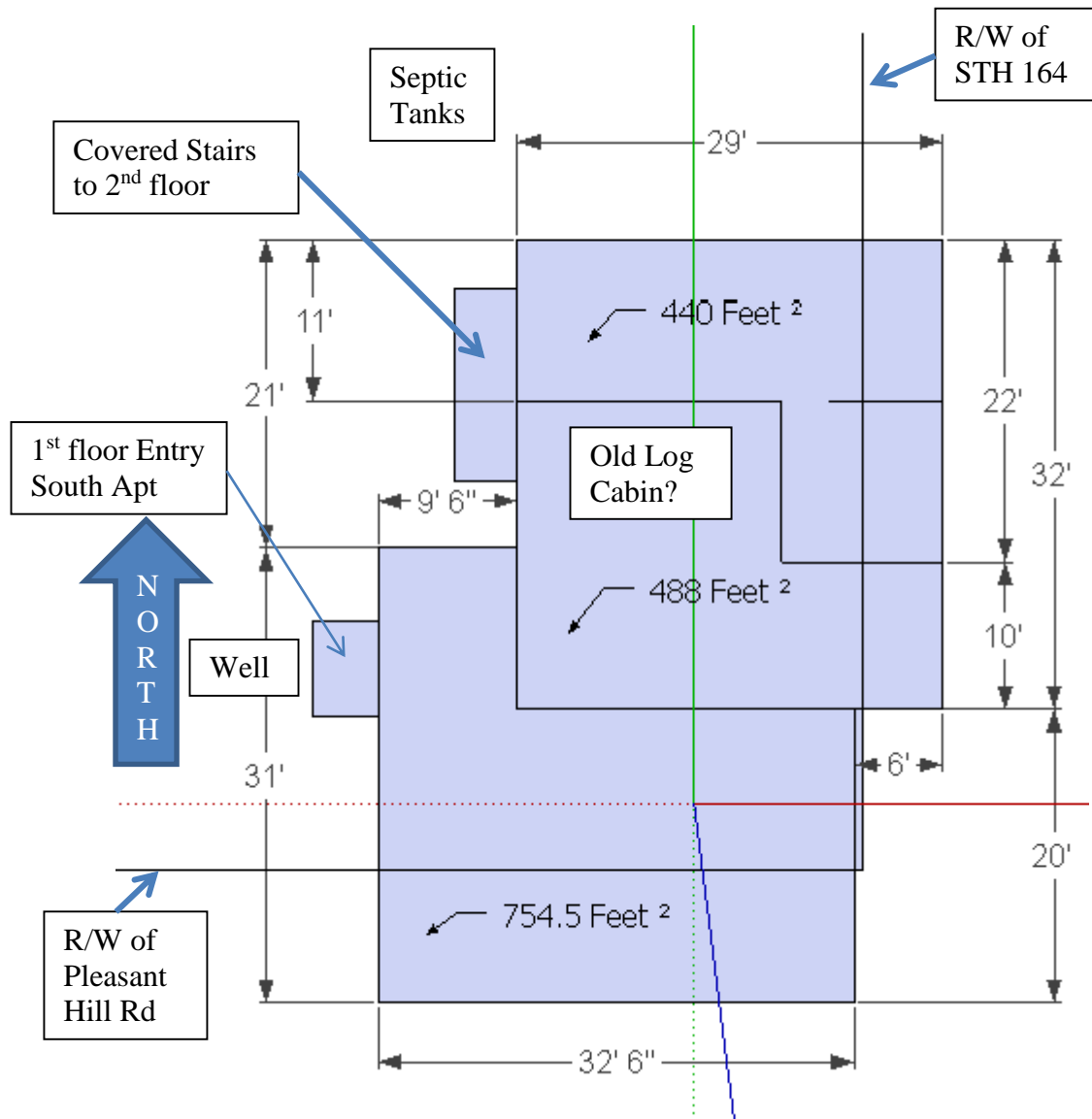
REMOVE: Approx. 2,942 SF three family residence comprised of a two bedroom unit of 1,243 SF and a one bedroom unit of 440 SF. The second floor is a four bedroom unit containing 1,259 SF. There is a detached 20 x 40 block construction four car garage. Well and two tank conventional septic system to be appropriately abandoned.

GRADING: As directed by the State Department of Transportation inspector. Reference Special Provisions – Article 2. *Note 1:* Final grade finish to include full site restoration to any areas disturbed by removal with application of topsoil, seed and mulch.

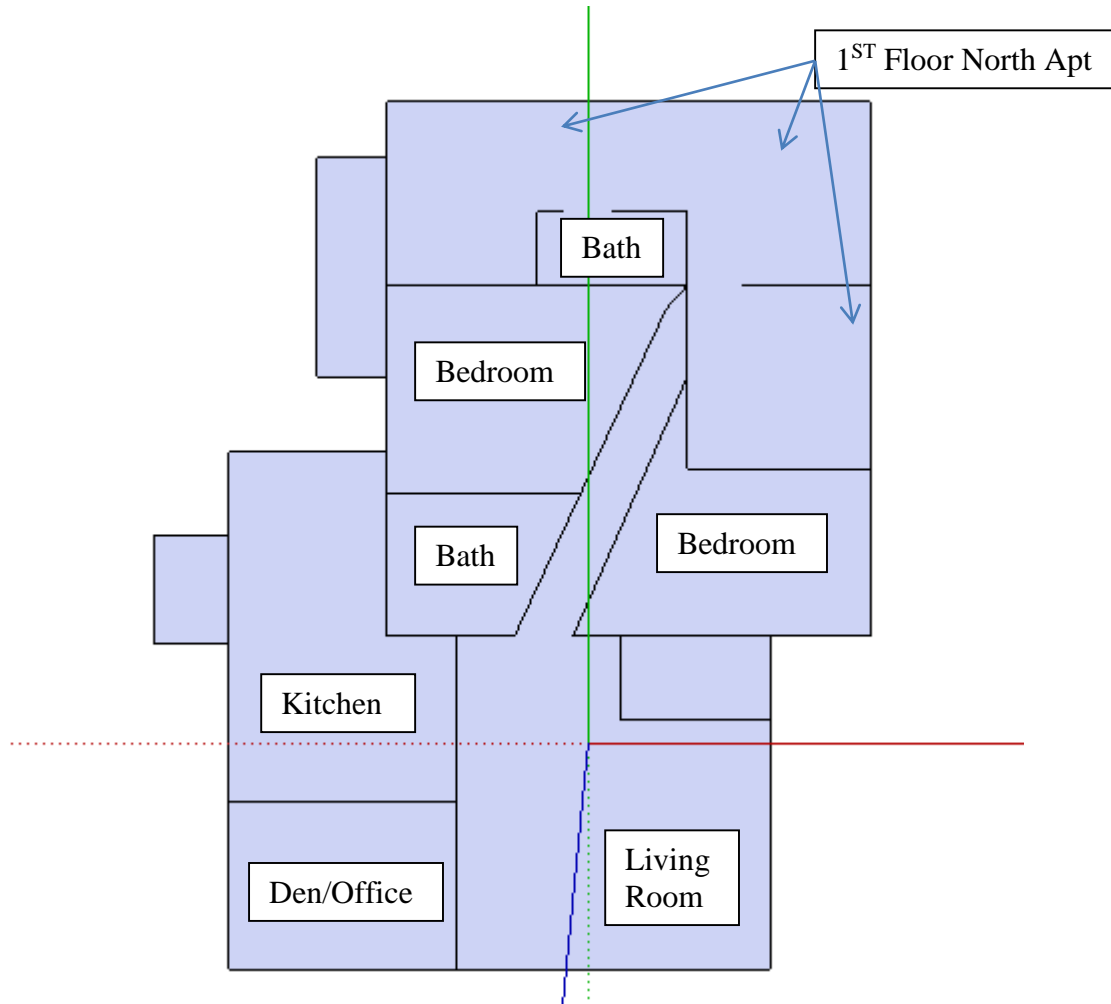
BACKFILL: Reference Special Provisions Article 19 and the Special Requirements under Article 2 – Scope of Work, of these provisions. Septic Tank – Granular Material; Well – Concrete or Other Material Acceptable to the Wisconsin Department of Natural Resources.

SITE SKETCH / FLOOR PLANS: Following pages.

FIRST FLOOR SKETCH

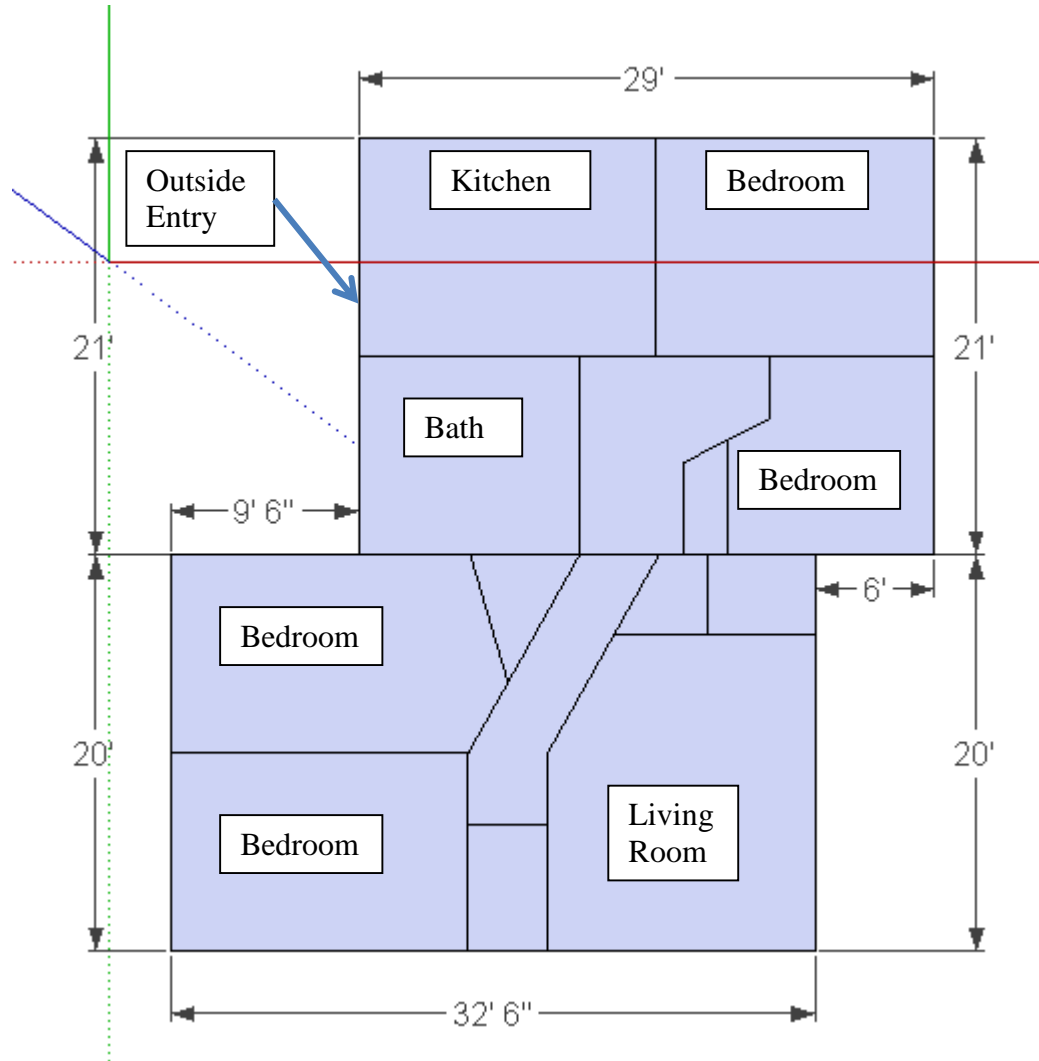


FIRST FLOOR SKETCH



Balance of first floor is south apartment.

SECOND FLOOR SKETCH



IMPROVEMENTS: On this property is a three-family residence, four-car, detached garage and a storage shed. It should be noted that the east side of this residence overhangs onto the right of way of STH 164 about six feet. The south side of this residence overhangs onto the right of way of Pleasant Hill Road about nine feet. On the first floor of the residence there is a two-bedroom unit that has about 1,243 sf and a smaller, one-bedroom unit that has about 440 sf. The second floor has one four bedroom unit that has about 1,259 sf. This is an older residence that has a stone and poured concrete foundation, wood-frame walls, older, composite siding, and older, composition roofing. Most of this building is two story except a small area on the north side. An area about 21 feet by about 29 feet in the middle of the east side has a full, stone basement, log floor joists and the walls around the outside of this area are about a foot thick. This area of the residence may have a two-story log cabin in the walls. On the north side of this building are two 60 amp fuse panels. These panels are older and appear to be in good condition, but should be updated to circuit breaker panels that can handle larger amperage. Circuit breaker subpanels were noted off of the fuse electric panels. In the basement there is a natural gas fired, forced air furnace and natural gas fired water heater for the first floor. The owner said that she replaced both furnaces shortly after she purchased the property in 2001. A newer pressure tank and older controls for the well were noted in the old part of the basement.

On the first floor there is a two-bedroom, one full bath apartment that has a separate kitchen and a den or office area. The kitchen area is typical for this size apartment (1,243 sf) and has a row of cabinets along one side. Old-style woodwork and hardwood floors were noted in the living room area and den/office area. A shower over tub, toilet and small vanity were noted in the bathroom.

On the north side of the first floor there is a one-bedroom apartment. The entrance is on the west side and goes to a living room area. Beyond the living room is a small kitchen with a bath on the south side. This bath has a shower, toilet and vanity. On the other side of the kitchen is a bedroom area and a large walk-in closet. According to the owner, this area has electric heat.

On the second floor is a four bedroom, one full bath apartment. Access to the second story apartment is via a covered, exterior set of stairs. The door at the top of the stairs leads to the kitchen. This is an average-size kitchen for the size of the apartment (1,259 sf) and has cabinets on the south and east walls. Two smaller bedrooms were noted behind the kitchen and a full bath with a shower over tub, toilet and small vanity were noted adjacent to the kitchen. In a closet off of the bathroom is the furnace and water heater. There are two bedrooms and a living area on the south side of this apartment.

A block, four-car garage (20' x 40') is located near the north property line. This garage has four, 8' x 7' foot newer overhead doors and a newer roof. A 12' x 18' wood-frame storage shed was noted west of the residence. The shed has one regular size man door, a loft area and is used for storing yard items that fit through the door.

OTHER IMPROVEMENTS: A well was noted about 12 feet west of the residence. Northwest of the residence are two tanks for the septic system. To the north of the septic tanks and west of the garage is the drain field. According to the owner this is a conventional septic system that was installed about two years ago.

Subject photos



Overall view looking northwesterly.



Overall view of the property looking southwesterly across STH 164.

Subject photos



Residence looking north.



Roof on the south side of the residence.

Subject photos



Overall view of the property looking westerly.



Residence looking southeasterly.

Subject photos



North entry and upper apartment entry.

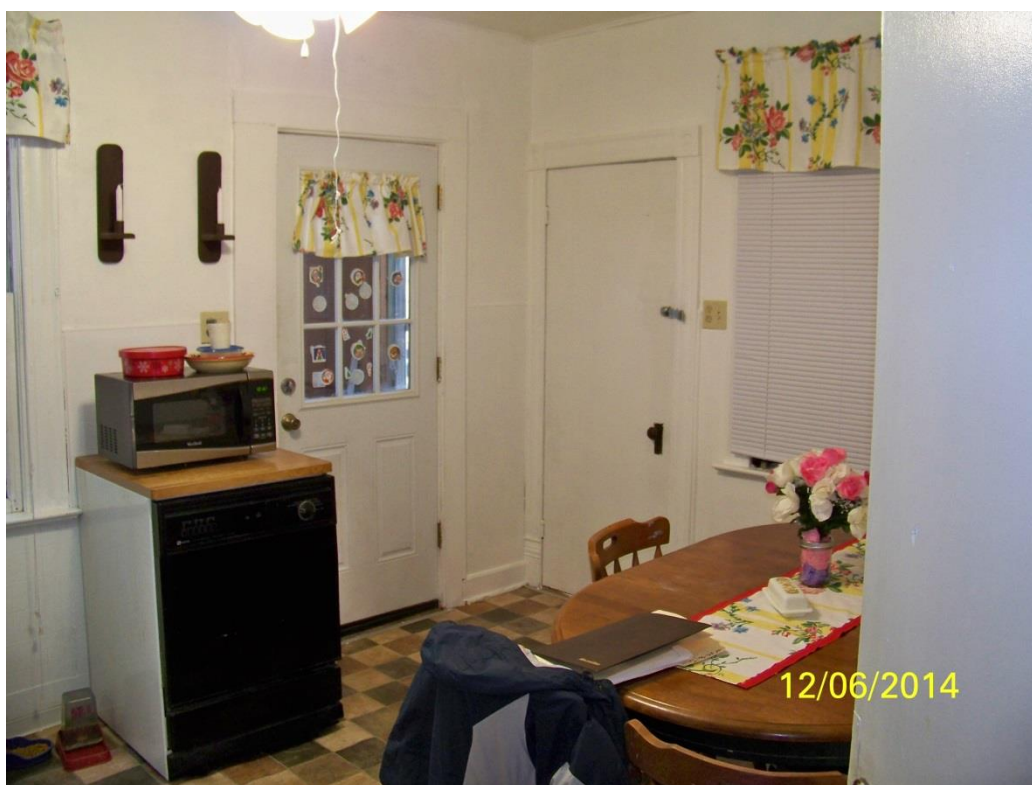


Back entry to lower unit and basement looking southeasterly.

Subject photos



First floor kitchen looking south (large apartment).



First floor kitchen looking northeasterly towards back door (large apartment).

Subject photos



Living room built in cabinets, closet and front door.



Living room looking southeasterly.

Subject photos



Bath looking westerly.

Subject photos



First floor kitchen area, north side (small apartment).

Subject photos



First floor bathroom, north side (small apartment).

Subject photos



Upper kitchen looking southwesterly.



Kitchen looking easterly.

Subject photos



Upstairs bathroom.



Furnace and water heater in the closet

Subject photos



Main part of the basement looking east. Note – dirt floor.



New presser tank and softener (not working per renter) in main part of basement.

Subject photos



Southern part of the basement looking south towards water heater and furnace. Note-Dirt floor.



South part of the basement looking westerly.

Subject photos



Water heater and furnace in south part of the basement.



Electrical service on the north wall. Each unit has separate services of 60 amps (fuse) with subpanels of breakers.

Subject photos



Garage looking northwesterly. Note – Newer doors.



Garage looking southwesterly.

Subject photos



Storage shed looking southwesterly.



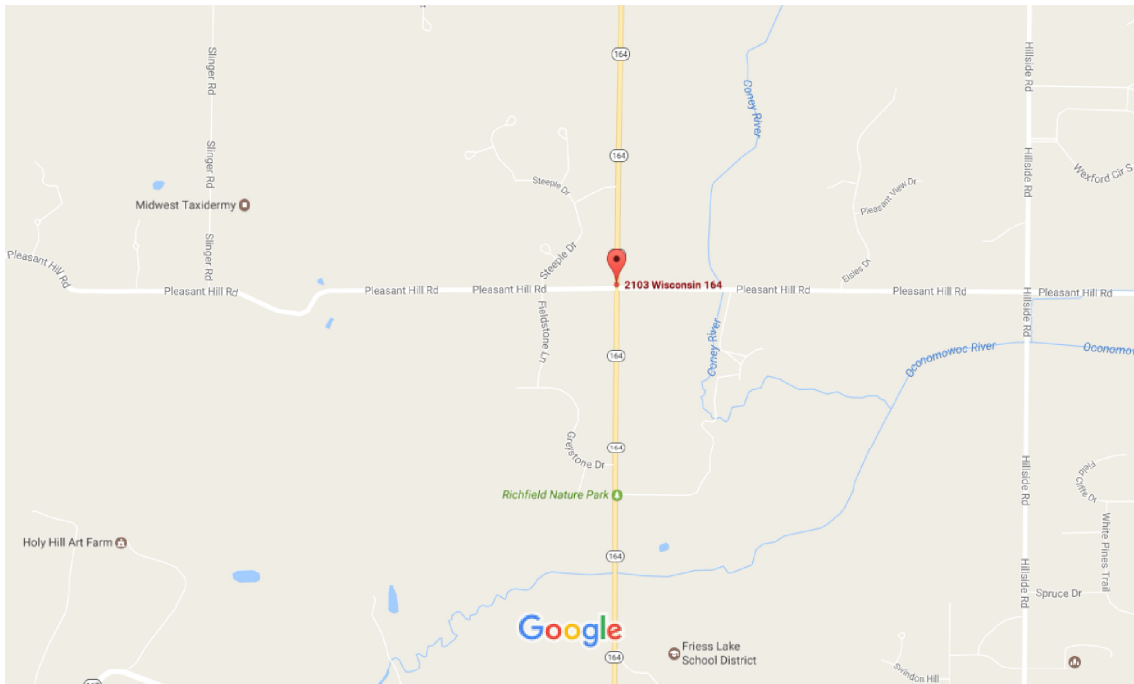
Remainder looking north.

Location Maps



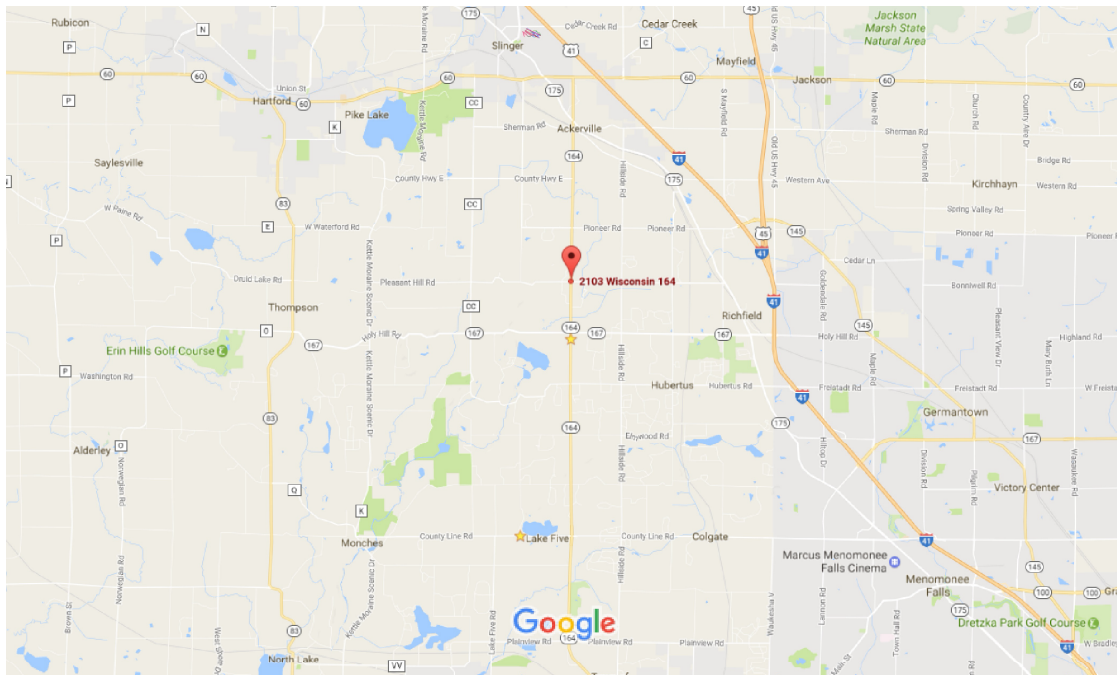
2103 WI-164

ID: 2709-03-20 Parcel 125



2103 WI-164

ID: 2709-03-20 Parcel 125



Location Maps



February 25, 2016

Michael Jenders
WisDot-DTSD-SE Region-Real Estate
PO Box 798
Waukesha, WI 53187-0798

RE: Asbestos NESHAP Inspection Report
WisDOT Project ID: 2709-03-20, Parcel 125
2103 STH 164
Richfield, Wisconsin 53076
PSI Project Number: 00541124

Dear Mr. Jenders,

In accordance with the State of Wisconsin Department of Transportation Purchase Order Number TRF 3550086, Professional Service Industries Inc. (PSI) has completed an Asbestos NESHAP Inspection at the referenced project. An electronic version of the final report is enclosed.

We appreciate the opportunity to provide our services on this project. If we can be of any further assistance, or if you have any questions regarding this report, please feel free to contact us at (262) 521-2125.

Respectfully submitted,
PROFESSIONAL SERVICE INDUSTRIES, INC.



Matt Geldmeyer
Wisconsin Asbestos Inspector
License No. AI-16803

Enclosures

ASBESTOS NESHAP INSPECTION REPORT

OF

**WISDOT PROJECT ID: 2709-03-20, PARCEL
125
2103 STH 164
RICHFIELD, WISCONSIN 53076**

PREPARED FOR

**WISDOT-DTSD-SE REGION-REAL ESTATE
PO BOX 798
WAUKESHA, WI 53187-0798**

BY

**PROFESSIONAL SERVICE INDUSTRIES,
INC.
821 CORPORATE COURT
WAUKESHA, WI 53189**

PSI PROJECT NO. 00541124

February 25, 2016



Matt Geldmeyer
Wisconsin Asbestos Inspector
License No. AI-16803



Larry Raether, P.E.
Department Manager

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APPENDIX

A Laboratory Analysis

B Certifications

C Drawings

1.1 EXECUTIVE SUMMARY

Professional Service Industries, Inc. (PSI) conducted an Asbestos National Emissions Standard for Hazardous Air Pollutants (NESHAP) Inspection at 2103 STH 164 in Richfield, Wisconsin. The structures surveyed consisted of a three-family residence, a detached four-car garage and a storage shed. The first floor of the residence includes a two-bedroom unit that has 1,243 square feet (ft²) and a one-bedroom unit that has 440 ft². The second floor of the residence includes a four-bedroom unit that has 1,259 ft². The four-car garage totals approximately 800 ft² and the storage shed totals approximately 360 ft².

Asbestos SurveyAsbestos –Containing Materials

Asbestos-containing materials (ACM) identified at the subject site is summarized in the following tables.

2103 STH 164, Richfield, WI - Residence

ACM Description/Location	Square/Linear Footage
Duct Wrap/Room B02	40 SF
Duct Wrap Debris/Room B02	20 SF
Window Pane Glazing – Gray/STWL1 and Exterior	24 SF (24 Windows)
Cream Linoleum/Rooms 110 and 110A	180 SF
Cream Linoleum Mastic/Rooms 110 and 110A	180 SF
Door Caulk – Brown/STWL2	1SF (1 Door)
Roof Flashing (Assumed ACM)/Roof at Chimney	4 SF
Electrical Boxes (Assumed ACM)/Room B02	2 EA

2103 STH 164, Richfield, WI – Shed

No ACM Identified

2103 STH 164, Richfield, WI –Garage

ACM Description/Location	Square/Linear Footage
Exterior Window Pane Glazing – Gray/Exterior	4 SF (4 Windows)
Exterior Seam Caulk - Gray/Exterior	2 SF
Seam Caulk – Gray/Room 100	1 SF
Seam Caulk – Black/Room 100	1 SF
Roof Flashing (Assumed ACM)/Roof at Chimney	2 SF
Electrical Boxes (Assumed ACM)/Room 100	1 EA

SF = Square Feet
LF = Linear Feet
EA = Each
NA = Not Applicable

Note: All other suspect asbestos-containing materials sampled during the building survey tested **negative** for the presence of asbestos. Please refer to Section 4.1 of this report for a complete listing of all materials tested.

1.2 RECOMMENDATIONS

PSI recommends that all ACM be removed by a licensed abatement contractor prior to renovation/demolition to avoid the possible spread of airborne asbestos fibers during construction activities.

Although Category I non-friable asbestos-containing materials in good condition do not need to be removed prior to renovation/demolition, their quantities must be reported on the NESHAPS notification. Certain restrictions apply when demolishing buildings containing non-friable ACM.

Lastly, it is recommended that once the power to the property has been confirmed to have been disabled, the electrical system should be sampled or the materials should be assumed to contain asbestos and be handled appropriately according to all applicable regulations.

This summary does not contain all the information that is found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

2.1 AUTHORIZATION

Authorization to perform this survey was provided to PSI by Michael Jenders of the Wisconsin Department of Transportation on January 20, 2016.

2.2 WARRANTY

PSI warrants that the findings contained herein have been prepared in general accordance with accepted professional practices at the time of its preparation as applied by similar professionals in the community. Changes in the state of the art or in applicable regulations cannot be anticipated and have not been addressed in this report.

The survey and analytical methods have been used to provide the WISDOT information regarding the presence of suspect ACM existing in the facility at the time of inspection. Test results are valid only for the material tested. There is a distinct possibility that conditions may exist which could not be identified within the scope of the study or which were not apparent during the site visit. The study is also limited to the information available from the client at the time it was conducted.

As directed by the client, PSI did not provide any service to investigate or detect the presence of moisture, mold or other biological contaminants in or around any structure, or any service that was designed or intended to prevent or lower the risk of the occurrence of the amplification of the same. Client acknowledges that mold is ubiquitous to the environment with mold amplification occurring when building materials are impacted by moisture. Client further acknowledges that site conditions are outside of PSI's control, and that mold amplification will likely occur, or continue to occur, in the presence of moisture. As such, PSI cannot and shall not be held responsible for the occurrence or recurrence of mold amplification.

No other warranties are implied or expressed.

An EPA accredited asbestos inspector conducted the on-site survey on February 3-5, 2016.

3.1 ASBESTOS SURVEY METHODOLOGY

Inspection Procedures

The asbestos survey was performed by Mr. Matt Geldmeyer (Wisconsin Asbestos Inspector # All-16803). An initial building walk-through was conducted to determine the presence of suspect materials, which were accessible and/or exposed. Materials that were similar in general appearance were grouped into homogeneous sampling areas.

Sampling Procedures

Following the walkthrough, the inspector collected samples of selected materials identified as suspect ACM.

EPA guidelines were used to determine the sampling protocol. Sampling locations were chosen to represent the homogeneous sampling area. While an effort was made to collect samples randomly, samples were taken preferentially from already damaged areas or areas which were the least visible to minimize disturbance of the material.

3.2 LABORATORY METHODOLOGY

Method of Analysis

Analysis was performed by using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. All suspect asbestos bulk samples were analyzed by Polarized Light Microscopy (PLM) in accordance with the Environmental Protection Agency (EPA) Interim Method for the determination of asbestos in bulk samples (EPA-600/R-93/116, July 1993). The samples were mounted on slides and then analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, paper, etc) and non-fibrous constituents. Asbestos was identified by refractive indices, morphology, color pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics were used to identify the non-asbestos constituents.

The microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample, using a stereoscope.

Laboratory Quality Control Program

The laboratory maintains an in-house quality control program that consists of blind reanalysis of ten percent of all sample, precision and accuracy controls, and use of standard bulk reference materials.

4.0 FINDINGS

4.1 ASBESTOS SURVEY

Ninety-five (95) suspect asbestos-containing building materials were identified with a total of two hundred eighty-nine (289) bulk samples collected from the subject site for laboratory analysis. Per client directive, analysis of each homogenous building material group was stopped upon the first positive result. As a result, two hundred sixty-nine (269) bulk samples were analyzed. No samples were point counted. The table below lists the samples collected, their description, and the analytical results.

A material is considered by the Environmental Protection Agency (EPA) to be asbestos-containing if at least one sample collected from the area shows asbestos present in an amount greater than one (1) percent. Please refer to the appendix for a more detailed description of the microscopic analysis of individual samples.

Address: 2103 STH 164, Richfield, WI

2103 STH 164, Richfield, WI – Residence

Sample Number	Room Number	Material Description	Results
1A	B01	Stone Mortar	NAD
1B	B02	Stone Mortar	NAD
1C	STWL	Stone Mortar	NAD
2A	B01	Electrical Wire Insulation	NAD
2B	115	Electrical Wire Insulation	NAD
2C	207	Electrical Wire Insulation	NAD
3A	B02	Duct Wrap	65% Chrysotile
3B	B02	Duct Wrap	Not Tested
3C	B02	Duct Wrap	Not Tested
4A	B02	Duct Wrap Debris	65% Chrysotile
4B	B02	Duct Wrap Debris	Not Tested
4C	B02	Duct Wrap Debris	Not Tested
5A	B02	Flue Packing – South End	NAD
5B	B02	Flue Packing – South End	NAD
5C	B02	Flue Packing – South End	NAD
6A	B02	Brick	NAD
6B	209	Brick	NAD
6C	300	Brick	NAD
7A	B02	Brick Mortar	NAD
7B	209	Brick Mortar	NAD
7C	300	Brick Mortar	NAD
8A	106	Drywall/Joint Compound Composite	NAD
8B	112	Drywall/Joint Compound Composite	NAD
8C	200	Drywall/Joint Compound Composite	NAD
9A	101	Blown-in Insulation – Gray	NAD

Sample Number	Room Number	Material Description	Results
9B	214	Blown-in Insulation – Gray	NAD
9C	300	Blown-in Insulation – Gray	NAD
10A	STWL1	Window Pane Glazing – Gray	10% Chrysotile
10B	Exterior	Window Pane Glazing – Gray	Not Tested
10C	Exterior	Window Pane Glazing – Gray	Not Tested
11A	106	Floor Underlayment Paper – Gray	NAD
11B	112	Floor Underlayment Paper – Gray	NAD
11C	100	Floor Underlayment Paper – Gray	NAD
12A	101	2' x 4' Suspended Ceiling Tile: Pinholes and Fissures	NAD
12B	101	2' x 4' Suspended Ceiling Tile: Pinholes and Fissures	NAD
12C	101	2' x 4' Suspended Ceiling Tile: Pinholes and Fissures	NAD
13A	101	18" x 18" Suspended Ceiling Tile: Smooth	NAD
13B	101	18" x 18" Suspended Ceiling Tile: Smooth	NAD
13C	101	18" x 18" Suspended Ceiling Tile: Smooth	NAD
14A	103	Carpet Mastic	NAD
14B	112	Carpet Mastic	NAD
14C	203	Carpet Mastic	NAD
15A	103	1' x 1' Suspended Ceiling Tile: Smooth	NAD
15B	110	1' x 1' Suspended Ceiling Tile: Smooth	NAD
15C	200	1' x 1' Suspended Ceiling Tile: Smooth	NAD
16A	104	Floor Underlayment Paper – Black	NAD
16B	116	Floor Underlayment Paper – Black	NAD
16C	116	Floor Underlayment Paper – Black	NAD
17A	104	Beige/Blue Linoleum	NAD
17B	104	Beige/Blue Linoleum	NAD
17C	104	Beige/Blue Linoleum	NAD
18A	104	Beige/Blue Linoleum Mastic	NAD
18B	104	Beige/Blue Linoleum Mastic	NAD
18C	104	Beige/Blue Linoleum Mastic	NAD
19A	104	2' x 4' Suspended Ceiling Tile: Rough	NAD
19B	104	2' x 4' Suspended Ceiling Tile: Rough	NAD
19C	104	2' x 4' Suspended Ceiling Tile: Rough	NAD
20A	104	Shower/Tub Surround Mastic	NAD
20B	104	Shower/Tub Surround Mastic	NAD
20C	114	Shower/Tub Surround Mastic	NAD
21A	105	Blue/Green Linoleum (No Mastic)	NAD
21B	105	Blue/Green Linoleum (No Mastic)	NAD
21C	105	Blue/Green Linoleum (No Mastic)	NAD
22A	106	Fiberglass Batt Insulation with Suspect Layer	NAD
22B	204	Fiberglass Batt Insulation with Suspect Layer	NAD

Sample Number	Room Number	Material Description	Results
22C	300	Fiberglass Batt Insulation with Suspect Layer	NAD
23A	108	Tan Linoleum (No Mastic)	NAD
23B	108	Tan Linoleum (No Mastic)	NAD
23C	116	Tan Linoleum (No Mastic)	NAD
24A	109	Gray/Green Linoleum	NAD
24B	109	Gray/Green Linoleum	NAD
24C	109	Gray/Green Linoleum	NAD
25A	109	Gray/Green Linoleum Mastic	NAD
25B	109	Gray/Green Linoleum Mastic	NAD
25C	109	Gray/Green Linoleum Mastic	NAD
26A	110	Brown/Tan Linoleum (No Mastic)	NAD
26B	STWL2	Brown/Tan Linoleum (No Mastic)	NAD
26C	200	Brown/Tan Linoleum (No Mastic)	NAD
27A	110	Cream Linoleum	25% Chrysotile
27B	110	Cream Linoleum	Not Tested
27C	110A	Cream Linoleum	Not Tested
28A	110	Cream Linoleum Mastic	3% Chrysotile
28B	110	Cream Linoleum Mastic	Not Tested
28C	110A	Cream Linoleum Mastic	Not Tested
29A	112	12" x 12" Brown Floor Tile	NAD
29B	112	12" x 12" Brown Floor Tile	NAD
29C	112	12" x 12" Brown Floor Tile	NAD
30A	112	12" x 12" Brown Floor Tile Mastic	NAD
30B	112	12" x 12" Brown Floor Tile Mastic	NAD
30C	112	12" x 12" Brown Floor Tile Mastic	NAD
31A	112	Beige Linoleum	NAD
31B	112	Beige Linoleum	NAD
31C	112	Beige Linoleum	NAD
32A	112	Beige Linoleum Mastic	NAD
32B	112	Beige Linoleum Mastic	NAD
32C	112	Beige Linoleum Mastic	NAD
33A	113	12" x 12" Blue Floor Tile	NAD
33B	114	12" x 12" Blue Floor Tile	NAD
33C	200	12" x 12" Blue Floor Tile	NAD
34A	113	12" x 12" Blue Floor Tile Mastic	NAD
34B	114	12" x 12" Blue Floor Tile Mastic	NAD
34C	200	12" x 12" Blue Floor Tile Mastic	NAD
35A	113	12" x 12" Red Floor Tile	NAD
35B	113	12" x 12" Red Floor Tile	NAD
35C	113	12" x 12" Red Floor Tile	NAD
36A	113	12" x 12" Red Floor Tile Mastic	NAD
36B	113	12" x 12" Red Floor Tile Mastic	NAD
36C	113	12" x 12" Red Floor Tile Mastic	NAD
37A	113	4" White Vinyl Wallbase	NAD
37B	113	4" White Vinyl Wallbase	NAD

Sample Number	Room Number	Material Description	Results
37C	113	4" White Vinyl Wallbase	NAD
38A	113	4" White Vinyl Wallbase Mastic	NAD
38B	113	4" White Vinyl Wallbase Mastic	NAD
38C	113	4" White Vinyl Wallbase Mastic	NAD
39A	113	2" Gray Vinyl Wallbase	NAD
39B	113	2" Gray Vinyl Wallbase	NAD
39C	113	2" Gray Vinyl Wallbase	NAD
40A	113	2" Gray Vinyl Wallbase Mastic	NAD
40B	113	2" Gray Vinyl Wallbase Mastic	NAD
40C	114	2" Gray Vinyl Wallbase Mastic	NAD
41A	113	Ceramic Tile Mastic (Kitchen)	NAD
41B	113	Ceramic Tile Mastic (Kitchen)	NAD
41C	113	Ceramic Tile Mastic (Kitchen)	NAD
42A	113	Ceramic Tile Grout (Kitchen)	NAD
42B	113	Ceramic Tile Grout (Kitchen)	NAD
42C	113	Ceramic Tile Grout (Kitchen)	NAD
43A	114	6" Brown Vinyl Wallbase	NAD
43B	114	6" Brown Vinyl Wallbase	NAD
43C	114	6" Brown Vinyl Wallbase	NAD
44A	114	6" Brown Vinyl Wallbase Mastic	NAD
44B	114	6" Brown Vinyl Wallbase Mastic	NAD
44C	114	6" Brown Vinyl Wallbase Mastic	NAD
45A	STWL2	Black Stair Tread	NAD
45B	STWL2	Black Stair Tread	NAD
45C	STWL2	Black Stair Tread	NAD
46A	STWL2	Black Stair Tread Mastic	NAD
46B	STWL2	Black Stair Tread Mastic	NAD
46C	STWL2	Black Stair Tread Mastic	NAD
47A	STWL2	White/Gray Linoleum	NAD
47B	STWL2	White/Gray Linoleum	NAD
47C	STWL2	White/Gray Linoleum	NAD
48A	STWL2	White/Gray Linoleum Mastic	NAD
48B	STWL2	White/Gray Linoleum Mastic	NAD
48C	STWL2	White/Gray Linoleum Mastic	NAD
49A	STWL2	Door Caulk - Brown	10% Chrysotile
49B	STWL2	Door Caulk - Brown	Not Tested
49C	STWL2	Door Caulk - Brown	Not Tested
50A	STWL2	Window Caulk - White	NAD
50B	STWL2	Window Caulk - White	NAD
50C	203	Window Caulk - White	NAD
51A	STWL2	Window Caulk - Gray	NAD
51B	STWL2	Window Caulk - Gray	NAD
51C	STWL2	Window Caulk - Gray	NAD
52A	STWL2	Seam Caulk - White	NAD
52B	STWL2	Seam Caulk - White	NAD
52C	Exterior	Seam Caulk - White	NAD
53A	200	12" x 12" Tan Floor Tile	NAD

Sample Number	Room Number	Material Description	Results
53B	200	12" x 12" Tan Floor Tile	NAD
53C	200	12" x 12" Tan Floor Tile	NAD
54A	200	12" x 12" Tan Floor Tile Mastic	NAD
54B	200	12" x 12" Tan Floor Tile Mastic	NAD
54C	200	12" x 12" Tan Floor Tile Mastic	NAD
55A	203	Tan/Red Linoleum (No Mastic)	NAD
55B	203	Tan/Red Linoleum (No Mastic)	NAD
55C	203	Tan/Red Linoleum (No Mastic)	NAD
56A	204	12" x 12" Cream Floor Tile	NAD
56B	204	12" x 12" Cream Floor Tile	NAD
56C	204	12" x 12" Cream Floor Tile	NAD
57A	204	12" x 12" Cream Floor Tile Mastic	NAD
57B	204	12" x 12" Cream Floor Tile Mastic	NAD
57C	204	12" x 12" Cream Floor Tile Mastic	NAD
58A	204	Ceramic Tile Mastic (Bathroom)	NAD
58B	204	Ceramic Tile Mastic (Bathroom)	NAD
58C	204	Ceramic Tile Mastic (Bathroom)	NAD
59A	204	Ceramic Tile Grout (Bathroom)	NAD
59B	204	Ceramic Tile Grout (Bathroom)	NAD
59C	204	Ceramic Tile Grout (Bathroom)	NAD
60A	204	12" x 12" Cream/Blue Floor Tile	NAD
60B	204	12" x 12" Cream/Blue Floor Tile	NAD
60C	204	12" x 12" Cream/Blue Floor Tile	NAD
61A	204	12" x 12" Cream/Blue Floor Tile Mastic	NAD
61B	204	12" x 12" Cream/Blue Floor Tile Mastic	NAD
61C	204	12" x 12" Cream/Blue Floor Tile Mastic	NAD
62A	205	Tan/Gray Linoleum	NAD
62B	205	Tan/Gray Linoleum	NAD
62C	205	Tan/Gray Linoleum	NAD
63A	205	Tan/Gray Linoleum Mastic	NAD
63B	205	Tan/Gray Linoleum Mastic	NAD
63C	205	Tan/Gray Linoleum Mastic	NAD
64A	205	Cream/Brown Linoleum	NAD
64B	205	Cream/Brown Linoleum	NAD
64C	205	Cream/Brown Linoleum	NAD
65A	205	Cream/Brown Linoleum Mastic	NAD
65B	205	Cream/Brown Linoleum Mastic	NAD
65C	205	Cream/Brown Linoleum Mastic	NAD
66A	205	12" x 12" Tan/Brown Floor Tile	NAD
66B	206	12" x 12" Tan/Brown Floor Tile	NAD
66C	205	12" x 12" Tan/Brown Floor Tile	NAD
67A	206	12" x 12" Tan/Brown Floor Tile Mastic	NAD
67B	206	12" x 12" Tan/Brown Floor Tile Mastic	NAD
67C	206	12" x 12" Tan/Brown Floor Tile Mastic	NAD
68A	Exterior	Siding Shingles	NAD
68B	Exterior	Siding Shingles	NAD
68C	Exterior	Siding Shingles	NAD
69A	Exterior	Siding Felt - Tan	NAD

Sample Number	Room Number	Material Description	Results
69B	Exterior	Siding Felt - Tan	NAD
69C	Exterior	Siding Felt - Tan	NAD
70A	Exterior	Exterior Door Caulk - White	NAD
70B	Exterior	Exterior Door Caulk - White	NAD
70C	Exterior	Exterior Door Caulk - White	NAD
71A	Exterior	Exterior Window Caulk - White	NAD
71B	Exterior	Exterior Window Caulk - White	NAD
71C	Exterior	Exterior Window Caulk - White	NAD
72A	Exterior	Siding Paper – Silver and Black	NAD
72B	Exterior	Siding Paper – Silver and Black	NAD
72C	Exterior	Siding Paper – Silver and Black	NAD
73A	100	Plaster – Skim and Base Coats	NAD
73B	101	Plaster – Skim and Base Coats	NAD
73C	106	Plaster – Skim and Base Coats	NAD
73D	116	Plaster – Skim and Base Coats	NAD
73E	200	Plaster – Skim and Base Coats	NAD
73F	203	Plaster – Skim and Base Coats	NAD
73G	214	Plaster – Skim and Base Coats	NAD
74A	101	Plaster – No Skim Coat	NAD
74B	101	Plaster – No Skim Coat	NAD
74C	102	Plaster – No Skim Coat	NAD
75A	101	Chimney Plaster	NAD
75B	209	Chimney Plaster	NAD
75C	211	Chimney Plaster	NAD
76A	211	Plaster with Decorative Coating	NAD
76B	211	Plaster with Decorative Coating	NAD
76C	211	Plaster with Decorative Coating	NAD
77A	205	Furnace Insulation	NAD
77B	205	Furnace Insulation	NAD
77C	205	Furnace Insulation	NAD
78A	Roof	Gray Roof Shingles (Top Layer)	NAD
78B	Roof	Gray Roof Shingles (Top Layer)	NAD
78C	Roof	Gray Roof Shingles (Top Layer)	NAD
79A	Roof	Black Roof Shingles (Bottom Layer)	NAD
79B	Roof	Black Roof Shingles (Bottom Layer)	NAD
79C	Roof	Black Roof Shingles (Bottom Layer)	NAD
80A	Roof	Roofing Tar Paper	NAD
80B	Roof	Roofing Tar Paper	NAD
80C	Roof	Roofing Tar Paper	NAD
NA	NA	Roof Flashing	Assumed ACM
NA	NA	Electrical Boxes (Assumed Transite Components)	Assumed ACM

NAD = No Asbestos Detected

2103 STH 164, Richfield, WI – Shed

Sample Number	Room Number	Material Description	Results
1A	Roof	Gray Roof Shingles (Top Layer)	NAD
1B	Roof	Gray Roof Shingles (Top Layer)	NAD
1C	Roof	Gray Roof Shingles (Top Layer)	NAD
2A	Roof	Green Roof Shingles (Bottom Layer)	NAD
2B	Roof	Green Roof Shingles (Bottom Layer)	NAD
2C	Roof	Green Roof Shingles (Bottom Layer)	NAD
3A	100	Electrical Wire Insulation	NAD
3B	100	Electrical Wire Insulation	NAD
3C	100	Electrical Wire Insulation	NAD
4A	200	Fiberglass Batt Insulation with Suspect Layer	NAD
4B	200	Fiberglass Batt Insulation with Suspect Layer	NAD
4C	200	Fiberglass Batt Insulation with Suspect Layer	NAD
5A	200	Window Pane Glazing	NAD
5B	200	Window Pane Glazing	NAD
5C	200	Window Pane Glazing	NAD

NAD = No Asbestos Detected

2103 STH 164, Richfield, WI – Garage

Sample Number	Room Number	Material Description	Results
1A	Roof	Gray Roof Shingles (Top Layer)	NAD
1B	Roof	Gray Roof Shingles (Top Layer)	NAD
1C	Roof	Gray Roof Shingles (Top Layer)	NAD
2A	Roof	Green Roof Shingles (Middle Layer)	NAD
2B	Roof	Green Roof Shingles (Middle Layer)	NAD
2C	Roof	Green Roof Shingles (Middle Layer)	NAD
3A	Roof	Black Roof Shingles (Bottom Layer)	NAD
3B	Roof	Black Roof Shingles (Bottom Layer)	NAD
3C	Roof	Black Roof Shingles (Bottom Layer)	NAD
4A	100	Concrete Block	NAD
4B	200	Concrete Block	NAD
4C	Exterior	Concrete Block	NAD
5A	100	Concrete Block Mortar	NAD
5B	200	Concrete Block Mortar	NAD
5C	Exterior	Concrete Block Mortar	NAD
6A	Exterior	Exterior Window Pane Glazing - Gray	2% Chrysotile
6B	Exterior	Exterior Window Pane Glazing - Gray	Not Tested
6C	Exterior	Exterior Window Pane Glazing - Gray	Not Tested
7A	Exterior	Exterior Seam Caulk - Gray	2% Chrysotile
7B	Exterior	Exterior Seam Caulk - Gray	Not Tested

Sample Number	Room Number	Material Description	Results
7C	Exterior	Exterior Seam Caulk - Gray	Not Tested
8A	100	Electrical Wire Insulation	NAD
8B	200	Electrical Wire Insulation	NAD
8C	200	Electrical Wire Insulation	NAD
9A	100	Seam Caulk – Gray	2% Chrysotile
9B	100	Seam Caulk - Gray	Not Tested
9C	100	Seam Caulk - Gray	Not Tested
10A	100	Seam Caulk - Black	10% Chrysotile
10B	100	Seam Caulk - Black	Not Tested
10C	100	Seam Caulk - Black	Not Tested
NA	NA	Roof Flashing	Assumed ACM
NA	NA	Electrical Boxes (Assumed Transite Components)	Assumed ACM

4.2 ASBESTOS SUMMARY

The following table summarizes the category, quantities and condition of ACM:

Address: 2103 STH 164, Richfield, WI

2103 STH 164, Richfield, WI - Residence

Material Description/Location	Category	Quantity	Material Condition
Duct Wrap/Room B02	RACM	40 SF	Poor
Duct Wrap Debris/Room B02	RACM	20 SF	Poor
Window Pane Glazing – Gray/STWL1 and Exterior		24 SF (24 Windows)	Good
Cream Linoleum/Rooms 110 and 110A	RACM	180 SF	Good
Cream Linoleum Mastic/Rooms 110 and 110A	Cat. I, NF	180 SF	Good
Door Caulk – Brown/STWL2	Cat. I, NF	1SF (1 Door)	Good
Roof Flashing (Assumed ACM)/Roof at Chimney	Cat. I, NF	4 SF	Good
Electrical Boxes (Assumed ACM)/Room B02	RACM	2 EA	Good

RACM = Regulated Asbestos-Containing Materials

Cat. I, NF = Category I Non Friable

Cat. II, NF = Category II Non Friable

SF = Square Feet

LF = Linear Feet

EA = Each

2103 STH 164, Richfield, WI – Detached Garage

Material Description/Location	Category	Quantity	Material Condition
Exterior Window Pane Glazing – Gray/Exterior	Cat. RACM, NF	4 SF (4 Windows)	Poor
Exterior Seam Caulk - Gray/Exterior	Cat. I, NF	2 SF	Good
Seam Caulk – Gray/Room 100	Cat. I, NF	1 SF	Good
Seam Caulk – Black/Room 100	Cat. I, NF	1 SF	Good
Roof Flashing (Assumed ACM)/Roof at Chimney	Cat. I, NF	2 SF	Good
Electrical Boxes (Assumed ACM)/Room 100	RACM	1 EA	Good

RACM = Regulated Asbestos-Containing Materials

Cat. I, NF = Category I Non Friable

Cat. II, NF = Category II Non Friable

SF = Square Feet

LF = Linear Feet

EA = Each

■ Friability Classifications

A regulated asbestos-containing material (RACM) as defined by National Emissions Standard for Hazardous Air Pollutants (NESHAP) is any (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations.

Following the EPA inspection protocol, each identified suspect homogeneous material was placed in one of the following EPA classifications:

- **Friable Materials** NESHAP defines a friable ACM as any material containing more than one percent asbestos, that, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure.
- **Category I Non-friable** NESHAP defines a Category I non-friable ACM as packing, gaskets, resilient floor covering (except vinyl sheet flooring products which are considered friable), and asphalt roofing products which contain more than one percent asbestos.
- **Category II Non-friable** NESHAP defines a Category II non-friable ACM as any material, except for a Category I non-friable ACM, which contains more than one percent asbestos and cannot be reduced to a powder by hand pressure when dry.

5.0 RECOMMENDATIONS

PSI recommends that all ACM be removed by a licensed abatement contractor prior to renovation/demolition to avoid the possible spread of airborne asbestos fibers during construction activities.

Although Category I non-friable asbestos-containing materials in good condition do not need to be removed prior to renovation/demolition, their quantities must be reported on the NESHAPS notification. Certain restrictions apply when demolishing buildings containing non-friable ACM.

Lastly, it is recommended that once the power to the property has been confirmed to have been disabled, the electrical system should be sampled or the materials should be assumed to contain asbestos and be handled appropriately according to all applicable regulations.

This summary does not contain all the information that is found in the full report. The report should be read in its entirety to obtain a more complete understanding of the information provided and to aid in any decisions made or actions taken based on this information.

APPENDIX A
LABORATORY ANALYSIS



February 9, 2016

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 House; 00541124
CEI LAB CODE: B16-1292

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 8, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 House; 00541124

CEI LAB CODE: B16-1292

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

REPORT DATE: 02/09/16

TOTAL SAMPLES ANALYZED: 122

SAMPLES >1% ASBESTOS: 5

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 House; **CEI LAB CODE:** B16-1292
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1A		B141713	Gray	Stone Mortar	None Detected
1B		B141714	Gray	Stone Mortar	None Detected
1C		B141715	Gray	Stone Mortar	None Detected
2A		B141716	Brown,Black	Wiring	None Detected
2B		B141717	Brown,Black	Wiring	None Detected
2C		B141718	Brown,Black	Wiring	None Detected
3A		B141719	Off-white,Gray	Duct Wrap	Chrysotile 65%
3B		B141720		Sample Not Analyzed per COC	
3C		B141721		Sample Not Analyzed per COC	
4A		B141722	Off-white,Gray	Duct Wrap Debris	Chrysotile 65%
4B		B141723		Sample Not Analyzed per COC	
4C		B141724		Sample Not Analyzed per COC	
5A		B141725	Gray	Flue Packing	None Detected
5B		B141726	Gray	Flue Packing	None Detected
5C		B141727	Gray	Flue Packing	None Detected
6A		B141728	Tan	Brick	None Detected
6B		B141729	Tan	Brick	None Detected
6C		B141730	Tan	Brick	None Detected
7A		B141731	Gray	Stone Mortar	None Detected
7B		B141732	Gray	Stone Mortar	None Detected
7C		B141733	Gray	Stone Mortar	None Detected
8A		B141734	Tan,White	Drywall/Joint Compound	None Detected
8B		B141735	Tan,White	Drywall/Joint Compound	None Detected
8C		B141736	Tan,White	Drywall/Joint Compound	None Detected
9A		B141737	Gray,Off-white	Insulation	None Detected
9B		B141738	Gray,Off-white	Insulation	None Detected
9C		B141739	Gray,Off-white	Insulation	None Detected
10A		B141740	Green,Gray	Glazing	Chrysotile 3%
10B		B141741		Sample Not Analyzed per COC	
10C		B141742		Sample Not Analyzed per COC	
11A		B141743	Pink,Tan	Floor Underlayment	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 House; **CEI LAB CODE:** B16-1292
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
11B		B141744	Pink,Tan	Floor Underlayment	None Detected
11C		B141745	Pink,Tan	Floor Underlayment	None Detected
12A		B141746	White,Gray	Ceiling Tile	None Detected
12B		B141747	White,Gray	Ceiling Tile	None Detected
12C		B141748	White,Gray	Ceiling Tile	None Detected
13A		B141749	White,Brown	Ceiling Tile	None Detected
13B		B141750	White,Brown	Ceiling Tile	None Detected
13C		B141751	White,Brown	Ceiling Tile	None Detected
14A		B141752	Yellow	Carpet Mastic	None Detected
14B		B141753	Yellow	Carpet Mastic	None Detected
14C		B141754	Yellow	Carpet Mastic	None Detected
15A		B141755	White,Brown	Ceiling Tile	None Detected
15B		B141756	White,Brown	Ceiling Tile	None Detected
15C		B141757	White,Brown	Ceiling Tile	None Detected
16A		B141758	Black	Floor Underlayment	None Detected
16B		B141759	Black	Floor Underlayment	None Detected
16C		B141760	Black	Floor Underlayment	None Detected
17A		B141761	Beige,Off-white	Linoleum	None Detected
17B		B141762	Beige,Off-white	Linoleum	None Detected
17C		B141763	Beige,Off-white	Linoleum	None Detected
18A		B141764	Yellow	Mastic	None Detected
18B		B141765	Yellow	Mastic	None Detected
18C		B141766	Yellow	Mastic	None Detected
19A		B141767	White,Gray	Ceiling Tile	None Detected
19B		B141768	White,Gray	Ceiling Tile	None Detected
19C		B141769	White,Gray	Ceiling Tile	None Detected
20A		B141770	White	Tub Surround Mastic	None Detected
20B		B141771	White	Tub Surround Mastic	None Detected
20C		B141772	White	Tub Surround Mastic	None Detected
21A		B141773	Blue,Green	Linoleum	None Detected
21B		B141774	Blue,Green	Linoleum	None Detected



Asbestos Report Summary

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00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
21C		B141775	Blue,Green	Linoleum	None Detected
22A		B141776	Brown,Black	Fiberglass Insulation	None Detected
22B		B141777	Brown,Black	Fiberglass Insulation	None Detected
22C		B141778	Brown,Black	Fiberglass Insulation	None Detected
23A		B141779	Tan	Linoleum	None Detected
23B		B141780	Tan	Linoleum	None Detected
23C		B141781	Tan	Linoleum	None Detected
24A		B141782	Green	Linoleum	None Detected
24B		B141783	Green	Linoleum	None Detected
24C		B141784	Green	Linoleum	None Detected
25A		B141785	Brown,Black	Mastic	None Detected
25B		B141786	Brown,Black	Mastic	None Detected
25C		B141787	Brown,Black	Mastic	None Detected
26A		B141788	Tan,Brown	Linoleum	None Detected
26B		B141789	Tan,Brown	Linoleum	None Detected
26C		B141790	Tan,Brown	Linoleum	None Detected
27A		B141791	Cream	Linoleum	Chrysotile 25%
27B		B141792		Sample Not Analyzed per COC	
27C		B141793		Sample Not Analyzed per COC	
28A		B141794	Yellow	Mastic	Chrysotile 3%
28B		B141795		Sample Not Analyzed per COC	
28C		B141796		Sample Not Analyzed per COC	
29A		B141797	Brown	Floor Tile	None Detected
29B		B141798	Brown	Floor Tile	None Detected
29C		B141799	Brown	Floor Tile	None Detected
30A		B141800	Clear,Yellow	Mastic	None Detected
30B		B141801	Clear,Yellow	Mastic	None Detected
30C		B141802	Clear,Yellow	Mastic	None Detected
31A		B141803	Beige,Off-white	Linoleum	None Detected
31B		B141804	Beige,Off-white	Linoleum	None Detected
31C		B141805	Beige,Off-white	Linoleum	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 House; **CEI LAB CODE:** B16-1292
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
32A	Layer 1	B141806	Yellow	Mastic	None Detected
	Layer 2	B141806	Gray	Leveling Compound	None Detected
32B	Layer 1	B141807	Yellow	Mastic	None Detected
	Layer 2	B141807	Gray	Leveling Compound	None Detected
32C	Layer 1	B141808	Yellow	Mastic	None Detected
	Layer 2	B141808	Gray	Leveling Compound	None Detected
33A		B141809	Blue	Floor Tile	None Detected
33B		B141810	Blue	Floor Tile	None Detected
33C		B141811	Blue	Floor Tile	None Detected
34A		B141812	Clear,Yellow	Mastic	None Detected
34B		B141813	Clear,Yellow	Mastic	None Detected
34C		B141814	Clear,Yellow	Mastic	None Detected
35A		B141815	Red,Gray	Floor Tile	None Detected
35B		B141816	Red,Gray	Floor Tile	None Detected
35C		B141817	Red,Gray	Floor Tile	None Detected
36A		B141818	Clear,Yellow	Mastic	None Detected
36B		B141819	Clear,Yellow	Mastic	None Detected
36C		B141820	Clear,Yellow	Mastic	None Detected
37A		B141821	Gray	Wallbase	None Detected
37B		B141822	Gray	Wallbase	None Detected
37C		B141823	Gray	Wallbase	None Detected
38A		B141824	White	Mastic	None Detected
38B		B141825	White	Mastic	None Detected
38C		B141826	White	Mastic	None Detected
39A		B141827	Gray	Wallbase	None Detected
39B		B141828	Gray	Wallbase	None Detected
39C		B141829	Gray	Wallbase	None Detected
40A		B141830	White	Mastic	None Detected
40B		B141831	White	Mastic	None Detected
40C		B141832	White	Mastic	None Detected
41A		B141833	White	Ceramic Tile Mastic	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 House; **CEI LAB CODE:** B16-1292
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
41B		B141834	White	Ceramic Tile Mastic	None Detected
41C		B141835	White	Ceramic Tile Mastic	None Detected
42A		B141836	White	Ceramic Tile Grout	None Detected
42B		B141837	White	Ceramic Tile Grout	None Detected
42C		B141838	White	Ceramic Tile Grout	None Detected
43A		B141839	Brown	Wallbase	None Detected
43B		B141840	Brown	Wallbase	None Detected
43C		B141841	Brown	Wallbase	None Detected
44A		B141842	White	Mastic	None Detected
44B		B141843	White	Mastic	None Detected
44C		B141844	White	Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1A B141713	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50%	Silicates 48% Binder	None Detected
1B B141714	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50%	Silicates 48% Binder	None Detected
1C B141715	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50%	Silicates 48% Binder	None Detected
2A B141716	Wiring	Heterogeneous Brown,Black Fibrous Bound	50%	Cellulose	25%	Rubber 20% METAL 5% Tar	None Detected
2B B141717	Wiring	Heterogeneous Brown,Black Fibrous Bound	50%	Cellulose	25%	Rubber 20% METAL 5% Tar	None Detected
2C B141718	Wiring	Heterogeneous Brown,Black Fibrous Bound	50%	Cellulose	25%	Rubber 20% METAL 5% Tar	None Detected
3A B141719	Duct Wrap	Heterogeneous Off-white,Gray Fibrous Bound	20%	Cellulose	15%	Binder	65% Chrysotile
3B B141720	Sample Not Analyzed per COC						



ASBESTOS BULK ANALYSIS

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Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
3C B141721	Sample Not Analyzed per COC						
4A B141722	Duct Wrap Debris	Heterogeneous Off-white,Gray Fibrous Bound	20%	Cellulose	15%	Binder	65% Chrysotile
4B B141723	Sample Not Analyzed per COC						
4C B141724	Sample Not Analyzed per COC						
5A B141725	Flue Packing	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
5B B141726	Flue Packing	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
5C B141727	Flue Packing	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
6A B141728	Brick	Heterogeneous Tan Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
6B B141729	Brick	Heterogeneous Tan Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
6C B141730	Brick	Heterogeneous Tan Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
7A B141731	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
7B B141732	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
7C B141733	Stone Mortar	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
8A B141734	Drywall/Joint Compound	Heterogeneous Tan,White Fibrous Bound	15%	Cellulose	5% 5% 75%	Paint Calc Carb Gypsum	None Detected
8B B141735	Drywall/Joint Compound	Heterogeneous Tan,White Fibrous Bound	15%	Cellulose	5% 5% 75%	Paint Calc Carb Gypsum	None Detected
8C B141736	Drywall/Joint Compound	Heterogeneous Tan,White Fibrous Bound	15%	Cellulose	5% 5% 75%	Paint Calc Carb Gypsum	None Detected



ASBESTOS BULK ANALYSIS

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Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
9A B141737	Insulation	Heterogeneous Gray,Off-white Fibrous Loosely Bound	95%	Cellulose	5%	Binder	None Detected
9B B141738	Insulation	Heterogeneous Gray,Off-white Fibrous Loosely Bound	95%	Cellulose	5%	Binder	None Detected
9C B141739	Insulation	Heterogeneous Gray,Off-white Fibrous Loosely Bound	95%	Cellulose	5%	Binder	None Detected
10A B141740	Glazing	Heterogeneous Green,Gray Fibrous Bound	2%	Cellulose	5% 40% 50%	Paint Binder Calc Carb	3% Chrysotile
10B B141741	Sample Not Analyzed per COC						
10C B141742	Sample Not Analyzed per COC						
11A B141743	Floor Underlayment	Heterogeneous Pink,Tan Fibrous Bound	95%	Cellulose	5%	Binder	None Detected
11B B141744	Floor Underlayment	Heterogeneous Pink,Tan Fibrous Bound	95%	Cellulose	5%	Binder	None Detected



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
11C B141745	Floor Underlayment	Heterogeneous Pink,Tan Fibrous Bound	95%	Cellulose	5%	Binder	None Detected
12A B141746	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
12B B141747	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
12C B141748	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
13A B141749	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected
13B B141750	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected
13C B141751	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
14A B141752	Carpet Mastic	Heterogeneous Yellow Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
14B B141753	Carpet Mastic	Heterogeneous Yellow Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
14C B141754	Carpet Mastic	Heterogeneous Yellow Fibrous Bound	3%	Cellulose	97%	Mastic	None Detected
15A B141755	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected
15B B141756	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected
15C B141757	Ceiling Tile	Heterogeneous White,Brown Fibrous Bound	90%	Cellulose	5% 5%	Binder Paint	None Detected
16A B141758	Floor Underlayment	Heterogeneous Black Fibrous Bound	95%	Cellulose	5%	Tar	None Detected



ASBESTOS BULK ANALYSIS

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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
16B B141759	Floor Underlayment	Heterogeneous Black Fibrous Bound	95%	Cellulose	5%	Tar	None Detected
16C B141760	Floor Underlayment	Heterogeneous Black Fibrous Bound	95%	Cellulose	5%	Tar	None Detected
17A B141761	Linoleum	Heterogeneous Beige,Off-white Fibrous Bound	35% 10%	Cellulose Fiberglass	50% 5%	Vinyl Binder	None Detected
17B B141762	Linoleum	Heterogeneous Beige,Off-white Fibrous Bound	35% 10%	Cellulose Fiberglass	50% 5%	Vinyl Binder	None Detected
17C B141763	Linoleum	Heterogeneous Beige,Off-white Fibrous Bound	35% 10%	Cellulose Fiberglass	50% 5%	Vinyl Binder	None Detected
18A B141764	Mastic	Heterogeneous Yellow Fibrous Bound	3% 2%	Cellulose Fiberglass	95%	Mastic	None Detected
18B B141765	Mastic	Heterogeneous Yellow Fibrous Bound	3% 2%	Cellulose Fiberglass	95%	Mastic	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
18C B141766	Mastic	Heterogeneous Yellow Fibrous Bound	3% 2%	Cellulose Fiberglass	95%	Mastic	None Detected
19A B141767	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
19B B141768	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
19C B141769	Ceiling Tile	Heterogeneous White,Gray Fibrous Bound	50% 10%	Cellulose Fiberglass	35% 5%	Perlite Paint	None Detected
20A B141770	Tub Surround Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
20B B141771	Tub Surround Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
20C B141772	Tub Surround Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected



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Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
21A B141773	Linoleum	Heterogeneous Blue,Green Fibrous Bound	45%	Cellulose	45%	Vinyl Tar Mastic	None Detected
21B B141774	Linoleum	Heterogeneous Blue,Green Fibrous Bound	45%	Cellulose	45%	Vinyl Tar Mastic	None Detected
21C B141775	Linoleum	Heterogeneous Blue,Green Fibrous Bound	45%	Cellulose	45%	Vinyl Tar Mastic	None Detected
22A B141776	Fiberglass Insulation	Heterogeneous Brown,Black Fibrous Bound	70% 20%	Cellulose Fiberglass	10%	Tar	None Detected
22B B141777	Fiberglass Insulation	Heterogeneous Brown,Black Fibrous Bound	70% 20%	Cellulose Fiberglass	10%	Tar	None Detected
22C B141778	Fiberglass Insulation	Heterogeneous Brown,Black Fibrous Bound	70% 20%	Cellulose Fiberglass	10%	Tar	None Detected
23A B141779	Linoleum	Heterogeneous Tan Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
23B B141780	Linoleum	Heterogeneous Tan Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected
23C B141781	Linoleum	Heterogeneous Tan Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected
24A B141782	Linoleum	Heterogeneous Green Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected
24B B141783	Linoleum	Heterogeneous Green Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected
24C B141784	Linoleum	Heterogeneous Green Fibrous Bound	50%	Cellulose	45% 5%	Vinyl Tar	None Detected
25A B141785	Mastic	Heterogeneous Brown,Black Fibrous Bound	5%	Cellulose	5% 90%	Tar Mastic	None Detected
25B B141786	Mastic	Heterogeneous Brown,Black Fibrous Bound	5%	Cellulose	5% 90%	Tar Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
25C B141787	Mastic	Heterogeneous Brown,Black Fibrous Bound	5%	Cellulose	5%	Tar 90% Mastic	None Detected
26A B141788	Linoleum	Heterogeneous Tan,Brown Fibrous Bound	10%	Fiberglass	40%	Vinyl 40% Foam 10% Binder	None Detected
26B B141789	Linoleum	Heterogeneous Tan,Brown Fibrous Bound	10%	Fiberglass	40%	Vinyl 40% Foam 10% Binder	None Detected
26C B141790	Linoleum	Heterogeneous Tan,Brown Fibrous Bound	10%	Fiberglass	40%	Vinyl 40% Foam 10% Binder	None Detected
27A B141791	Linoleum	Heterogeneous Cream Fibrous Bound	25%	Cellulose	50%	Vinyl	25% Chrysotile
27B B141792	Sample Not Analyzed per COC						
27C B141793	Sample Not Analyzed per COC						
28A B141794	Mastic	Heterogeneous Yellow Fibrous Bound	2%	Cellulose	95%	Mastic	3% Chrysotile
28B B141795	Sample Not Analyzed per COC						



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
28C B141796	Sample Not Analyzed per COC						
29A B141797	Floor Tile	Heterogeneous Brown Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
29B B141798	Floor Tile	Heterogeneous Brown Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
29C B141799	Floor Tile	Heterogeneous Brown Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
30A B141800	Mastic	Heterogeneous Clear, Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
30B B141801	Mastic	Heterogeneous Clear, Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
30C B141802	Mastic	Heterogeneous Clear, Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
31A B141803	Linoleum	Heterogeneous Beige, Off-white Fibrous Bound	35% 10%	Cellulose Fiberglass	50% 5%	Vinyl Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
31B B141804	Linoleum	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Beige,Off-white Fibrous Bound	10%	Fiberglass	5%	Binder	
31C B141805	Linoleum	Heterogeneous	35%	Cellulose	50%	Vinyl	None Detected
		Beige,Off-white Fibrous Bound	10%	Fiberglass	5%	Binder	
32A Layer 1 B141806	Mastic	Heterogeneous	2%	Cellulose	98%	Mastic	None Detected
		Yellow Fibrous Bound					
Layer 2 B141806	Leveling Compound	Heterogeneous	2%	Cellulose	50%	Silicates	None Detected
		Gray Fibrous Bound			48%	Binder	
32B Layer 1 B141807	Mastic	Heterogeneous	2%	Cellulose	98%	Mastic	None Detected
		Yellow Fibrous Bound					
Layer 2 B141807	Leveling Compound	Heterogeneous	2%	Cellulose	50%	Silicates	None Detected
		Gray Fibrous Bound			48%	Binder	
32C Layer 1 B141808	Mastic	Heterogeneous	2%	Cellulose	98%	Mastic	None Detected
		Yellow Fibrous Bound					



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous	Non-Fibrous			
Layer 2 B141808	Leveling Compound	Heterogeneous Gray Fibrous Bound	2%	Cellulose	50% 48%	Silicates Binder	None Detected
33A B141809	Floor Tile	Heterogeneous Blue Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
33B B141810	Floor Tile	Heterogeneous Blue Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
33C B141811	Floor Tile	Heterogeneous Blue Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
34A B141812	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
34B B141813	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
34C B141814	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
35A B141815	Floor Tile	Heterogeneous Red,Gray Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
35B B141816	Floor Tile	Heterogeneous Red,Gray Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
35C B141817	Floor Tile	Heterogeneous Red,Gray Fibrous Bound	2%	Cellulose	50% 48%	Vinyl Binder	None Detected
36A B141818	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
36B B141819	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
36C B141820	Mastic	Heterogeneous Clear,Yellow Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
37A B141821	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
37B B141822	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
37C B141823	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
38A B141824	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
38B B141825	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
38C B141826	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
39A B141827	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
39B B141828	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
39C B141829	Wallbase	Heterogeneous Gray Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
40A B141830	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
40B B141831	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
40C B141832	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
41A B141833	Ceramic Tile Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected
41B B141834	Ceramic Tile Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected
41C B141835	Ceramic Tile Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
42A B141836	Ceramic Tile Grout	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected
42B B141837	Ceramic Tile Grout	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected
42C B141838	Ceramic Tile Grout	Heterogeneous White Fibrous Bound	2%	Cellulose	48% 50%	Silicates Binder	None Detected
43A B141839	Wallbase	Heterogeneous Brown Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
43B B141840	Wallbase	Heterogeneous Brown Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
43C B141841	Wallbase	Heterogeneous Brown Fibrous Bound	2%	Cellulose	80% 18%	Vinyl Binder	None Detected
44A B141842	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1292
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 House; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
44B B141843	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected
44C B141844	Mastic	Heterogeneous White Fibrous Bound	2%	Cellulose	98%	Mastic	None Detected



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

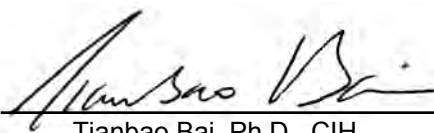
LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

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 polarized 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.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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: 
Ryan Williams

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





107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

LAB USE ONLY:

CEI Lab Code:

CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Jim Updike
Company: PSI, Inc	Email / Tel: (262) 521-2125
Address: 821 Corporate Court Waukegan	Project Name: WDOT ID: 2709-03-20, Parcel 125 - House
Email: jim.updike@psiusa.com	Project ID# 00541124
Tel: (262) 521-2125 Fax: (262) 521-2471	PO #:
STATE SAMPLES COLLECTED IN:	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

*stop @ 1st positive

☐

Accept Samples

☐

Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Goldmeyer	2/5/10		
Matthew Goldmeyer	by 17:00		

Samples will be disposed of 30 days after analysis



February 10, 2016

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124
CEI LAB CODE: A16-0376

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 8, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124

CEI LAB CODE: A16-0376

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

REPORT DATE: 02/10/16

TOTAL SAMPLES ANALYZED: 22

SAMPLES >1% ASBESTOS: 4

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125
Garage; 00541124

CEI LAB CODE: A16-0376

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1A		A2067664	Black	Roof Shingles	None Detected
1B		A2067665	Black	Roof Shingles	None Detected
1C		A2067666	Black	Roof Shingles	None Detected
2A		A2067667	Black	Roof Shingles	None Detected
2B		A2067668	Black	Roof Shingles	None Detected
2C		A2067669	Black	Roof Shingles	None Detected
3A		A2067670	Black	Roof Shingles	None Detected
3B		A2067671	Black	Roof Shingles	None Detected
3C		A2067672	Black	Roof Shingles	None Detected
4A		A2067673	Gray	Concrete Block	None Detected
4B		A2067674	Gray	Concrete Block	None Detected
4C		A2067675	Gray	Concrete Block	None Detected
5A		A2067676	Gray	Concrete Block Mortar	None Detected
5B		A2067677	Gray	Concrete Block Mortar	None Detected
5C		A2067678	Gray	Concrete Block Mortar	None Detected
6A		A2067679	Gray	Window Glazing	Chrysotile 2%
6B		A2067680		Sample Not Analyzed per COC	
6C		A2067681		Sample Not Analyzed per COC	
7A		A2067682	White, Tan	Window Glazing	Chrysotile 2%
7B		A2067683		Sample Not Analyzed per COC	
7C		A2067684		Sample Not Analyzed per COC	
8A		A2067685	Black	Electrial Wire	None Detected
8B		A2067686	Black	Electrial Wire	None Detected
8C		A2067687	Black	Electrial Wire	None Detected
9A		A2067688	Off-white	Seam Caulk	Chrysotile 2%
9B		A2067689		Sample Not Analyzed per COC	
9C		A2067690		Sample Not Analyzed per COC	
10A		A2067691	Black	Seam Caulk	Chrysotile 10%
10B		A2067692		Sample Not Analyzed per COC	
10C		A2067693		Sample Not Analyzed per COC	



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A16-0376
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-10-16

Project: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1A A2067664	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Fiberglass	40% 25%	Tar Silicates	None Detected
1B A2067665	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Fiberglass	40% 25%	Tar Silicates	None Detected
1C A2067666	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Fiberglass	40% 25%	Tar Silicates	None Detected
2A A2067667	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
2B A2067668	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
2C A2067669	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
3A A2067670	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A16-0376
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-10-16

Project: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
3B A2067671	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
3C A2067672	Roof Shingles	Heterogeneous Black Fibrous Bound	35%	Cellulose	40% 25%	Tar Silicates	None Detected
4A A2067673	Concrete Block	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected
4B A2067674	Concrete Block	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected
4C A2067675	Concrete Block	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected
5A A2067676	Concrete Block Mortar	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected
5B A2067677	Concrete Block Mortar	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A16-0376
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-10-16

Project: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
5C A2067678	Concrete Block Mortar	Heterogeneous Gray Non-fibrous Bound			65% 35%	Binder Silicates	None Detected
6A A2067679	Window Glazing	Heterogeneous Gray Fibrous Bound			88% 10%	Binder Paint	2% Chrysotile
6B A2067680	Sample Not Analyzed per COC						
6C A2067681	Sample Not Analyzed per COC						
7A A2067682	Window Glazing	Heterogeneous White,Tan Fibrous Bound			53% 10% 35%	Binder Paint Calc Carb	2% Chrysotile
7B A2067683	Sample Not Analyzed per COC						
7C A2067684	Sample Not Analyzed per COC						
8A A2067685	Electrial Wire	Heterogeneous Black Fibrous Bound	35%	Cellulose	50% 15%	Binder Tar	None Detected
8B A2067686	Electrial Wire	Heterogeneous Black Fibrous Bound	35%	Cellulose	50% 15%	Binder Tar	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: A16-0376
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-10-16

Project: WDOT idi 2709-03-20, Parcel 125 Garage; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
8C A2067687	Electrial Wire	Heterogeneous Black Fibrous Bound	35%	Cellulose	50%	Binder 15% Tar	None Detected
9A A2067688	Seam Caulk	Heterogeneous Off-white Fibrous Bound			63% 35%	Binder Calc Carb	2% Chrysotile
9B A2067689	Sample Not Analyzed per COC						
9C A2067690	Sample Not Analyzed per COC						
10A A2067691	Seam Caulk	Heterogeneous Black Fibrous Bound			90%	Tar	10% Chrysotile
10B A2067692	Sample Not Analyzed per COC						
10C A2067693	Sample Not Analyzed per COC						



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

LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

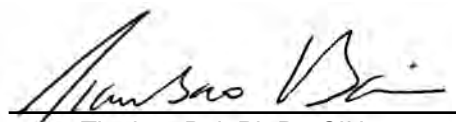
Due to the limitations of the EPA 600 method, nonfriable organically bound materials (NOBs) such as vinyl floor tiles can be difficult to analyze via polarized light microscopy (PLM). EPA recommends that all NOBs analyzed by PLM, and found not to contain asbestos, be further analyzed by Transmission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

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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: _____


Megan Rumble

APPROVED BY: _____


Tianbao Bai, Ph.D., CIH
Laboratory Director





107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

(30) A16-0376
A2067664.
A2067693

LAB USE ONLY:
CEI Lab Code:
CEI Lab I.D. Range:

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: <i>Larry Raether</i>
Company: <i>PSI, Inc</i>	Email / Tel: <i>(262) 521-2125</i>
Address: <i>821 Corporate Ct</i>	Project Name: <i>WDOT id: 2709-03-20, Parcel 125 - Garage</i>
<i>Waukesha, WI 53189</i>	Project ID# <i>00541124</i>
Email: <i>jim.vpdike@psi-usa.com</i>	PO #:
Tel: <i>(262) 521-2125</i> Fax: <i>(262) 521-2471</i>	STATE SAMPLES COLLECTED IN:

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS: <i>Stop @ 1st positive</i>		<input checked="" type="checkbox"/> Accept Samples <input type="checkbox"/> Reject Samples	
Relinquished By:	Date/Time	Received By:	Date/Time
<i>Matthew Geldner</i>	<i>2/5/16</i>	<i>Y</i>	<i>2/8/16 8:50a</i>
<i>Matthew Geldner</i>	<i>by 17:00</i>		

Samples will be disposed of 30 days after analysis



February 9, 2016

PSI
821 Corporate Ct.
Waukesha, WI 53189

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124
CEI LAB CODE: B16-1291

Dear Customer:

Enclosed are asbestos analysis results for PLM Bulk samples received at our laboratory on February 8, 2016. The samples were analyzed for asbestos using polarizing light microscopy (PLM) per the EPA 600 Method.

Sample results containing >1% asbestos are considered asbestos-containing materials (ACMs) per EPA regulatory requirements. The detection limit for the EPA 600 Method is <1% asbestos by weight as determined by visual estimation.

Thank you for your business and we look forward to continuing good relations. If you have any questions, please feel free to call our office at 919-481-1413.

Kind Regards,

A handwritten signature in black ink, appearing to read "Tianbao Bai", with a stylized flourish at the end.

Tianbao Bai, Ph.D., CIH
Laboratory Director





ASBESTOS ANALYTICAL REPORT

By: Polarized Light Microscopy

Prepared for

PSI

CLIENT PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124

CEI LAB CODE: B16-1291

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

REPORT DATE: 02/09/16

TOTAL SAMPLES ANALYZED: 125

SAMPLES >1% ASBESTOS: 1

TEL: 866-481-1412

www.ceilabs.com



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; **CEI LAB CODE:** B16-1291
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
1A		B141586	Gray	Shingle	None Detected
1B		B141587	Gray	Shingle	None Detected
1C		B141588	Gray	Shingle	None Detected
2A		B141589	Green	Shingle	None Detected
2B		B141590	Green	Shingle	None Detected
2C		B141591	Green	Shingle	None Detected
3A		B141592	Black	Electrical Wiring	None Detected
3B		B141593	Black	Electrical Wiring	None Detected
3C		B141594	Black	Electrical Wiring	None Detected
4A		B141595	Brown,Black	Fiberglass Batting Insulation	None Detected
4B		B141596	Brown,Black	Fiberglass Batting Insulation	None Detected
4C		B141597	Brown,Black	Fiberglass Batting Insulation	None Detected
5A		B141598	White	Window Glazing	None Detected
5B		B141599	White	Window Glazing	None Detected
5C		B141600	White	Window Glazing	None Detected
45A		B141601	Black	Stair Tread	None Detected
45B		B141602	Black	Stair Tread	None Detected
45C		B141603	Black	Stair Tread	None Detected
46A		B141604	Clear	Mastic	None Detected
46B		B141605	Clear	Mastic	None Detected
46C		B141606	Clear	Mastic	None Detected
47A		B141607	White	Linoleum	None Detected
47B		B141608	White	Linoleum	None Detected
47C		B141609	White	Linoleum	None Detected
48A		B141610	Yellow	Mastic	None Detected
48B		B141611	Yellow	Mastic	None Detected
48C		B141612	Yellow	Mastic	None Detected
49A		B141613	Brown	Door Caulk	Chrysotile 10%
49B		B141614		Sample Not Analyzed per COC	
49C		B141615		Sample Not Analyzed per COC	
50A		B141616	White	Window Caulk	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; **CEI LAB CODE:** B16-1291
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
50B		B141617	White	Window Caulk	None Detected
50C		B141618	White	Window Caulk	None Detected
51A		B141619	Gray	Window Caulk	None Detected
51B		B141620	Gray	Window Caulk	None Detected
51C		B141621	Gray	Window Caulk	None Detected
52A		B141622	White,Black	Seam Caulk	None Detected
52B		B141623	White,Black	Seam Caulk	None Detected
52C		B141624	White,Black	Seam Caulk	None Detected
53A		B141625	Tan	Floor Tile	None Detected
53B		B141626	Tan	Floor Tile	None Detected
53C		B141627	Tan	Floor Tile	None Detected
54A		B141628	Clear	Mastic	None Detected
54B		B141629	Clear	Mastic	None Detected
54C		B141630	Clear	Mastic	None Detected
55A		B141631	Tan,Red	Linoleum	None Detected
55B		B141632	Tan,Red	Linoleum	None Detected
55C		B141633	Tan,Red	Linoleum	None Detected
56A		B141634	Cream	Floor Tile	None Detected
56B		B141635	Cream	Floor Tile	None Detected
56C		B141636	Cream	Floor Tile	None Detected
57A		B141637	Clear	Mastic	None Detected
57B		B141638	Clear	Mastic	None Detected
57C		B141639	Clear	Mastic	None Detected
58A		B141640	Yellow	Ceramic Tile Mastic	None Detected
58B		B141641	Yellow	Ceramic Tile Mastic	None Detected
58C		B141642	Yellow	Ceramic Tile Mastic	None Detected
59A		B141643	White	Ceramic Tile Grout	None Detected
59B		B141644	White	Ceramic Tile Grout	None Detected
59C		B141645	White	Ceramic Tile Grout	None Detected
60A		B141646	Cream,Blue	Floor Tile	None Detected
60B		B141647	Cream,Blue	Floor Tile	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; **CEI LAB CODE:** B16-1291
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
60C		B141648	Cream,Blue	Floor Tile	None Detected
61A		B141649	Clear	Mastic	None Detected
61B		B141650	Clear	Mastic	None Detected
61C		B141651	Clear	Mastic	None Detected
62A		B141652	Tan,Gray	Linoleum	None Detected
62B		B141653	Tan,Gray	Linoleum	None Detected
62C		B141654	Tan,Gray	Linoleum	None Detected
63A		B141655	Yellow	Mastic	None Detected
63B		B141656	Yellow	Mastic	None Detected
63C		B141657	Yellow	Mastic	None Detected
64A		B141658	Cream,Brown	Linoleum	None Detected
64B		B141659	Cream,Brown	Linoleum	None Detected
64C		B141660	Cream,Brown	Linoleum	None Detected
65A		B141661	Clear	Mastic	None Detected
65B		B141662	Clear	Mastic	None Detected
65C		B141663	Clear	Mastic	None Detected
66A		B141664	Tan,Brown	Floor Tile	None Detected
66B		B141665	Tan,Brown	Floor Tile	None Detected
66C		B141666	Tan,Brown	Floor Tile	None Detected
67A		B141667	Clear	Mastic	None Detected
67B		B141668	Clear	Mastic	None Detected
67C		B141669	Clear	Mastic	None Detected
68A		B141670	Black	Siding Shingle	None Detected
68B		B141671	Black	Siding Shingle	None Detected
68C		B141672	Black	Siding Shingle	None Detected
69A		B141673	Tan	Siding Felt	None Detected
69B		B141674	Black	Siding Felt	None Detected
69C		B141675	Tan	Siding Felt	None Detected
70A		B141676	White	Exterior Door Caulk	None Detected
70B		B141677	White	Exterior Door Caulk	None Detected
70C		B141678	White	Exterior Door Caulk	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; **CEI LAB CODE:** B16-1291
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
71A		B141679	White	Exterior Window Caulk	None Detected
71B		B141680	White	Exterior Window Caulk	None Detected
71C		B141681	White	Exterior Window Caulk	None Detected
72A		B141682	Silver,Black	Siding Paper	None Detected
72B		B141683	Silver,Black	Siding Paper	None Detected
72C		B141684	Silver,Black	Siding Paper	None Detected
73A	Layer 1	B141685	White	Plaster Skim Coat	None Detected
	Layer 2	B141685	Gray	Plaster Base Coat	None Detected
73B	Layer 1	B141686	White	Plaster Skim Coat	None Detected
	Layer 2	B141686	Gray	Plaster Base Coat	None Detected
73C	Layer 1	B141687	White	Plaster Skim Coat	None Detected
	Layer 2	B141687	Gray	Plaster Base Coat	None Detected
73D	Layer 1	B141688	White	Plaster Skim Coat	None Detected
	Layer 2	B141688	Gray	Plaster Base Coat	None Detected
73E	Layer 1	B141689	White	Plaster Skim Coat	None Detected
	Layer 2	B141689	Gray	Plaster Base Coat	None Detected
73F	Layer 1	B141690	White	Plaster Skim Coat	None Detected
	Layer 2	B141690	Gray	Plaster Base Coat	None Detected
73G	Layer 1	B141691	White	Plaster Skim Coat	None Detected
	Layer 2	B141691	Gray	Plaster Base Coat	None Detected
74A		B141692	Gray	Plaster	None Detected
74B		B141693	Gray	Plaster	None Detected
74C		B141694	Gray	Plaster	None Detected
75A	Layer 1	B141695	White	Plaster Skim Coat	None Detected
	Layer 2	B141695	Gray	Plaster Base Coat	None Detected
75B	Layer 1	B141696	White	Plaster Skim Coat	None Detected
	Layer 2	B141696	Gray	Plaster Base Coat	None Detected
75C	Layer 1	B141697	White	Plaster Skim Coat	None Detected
	Layer 2	B141697	Gray	Plaster Base Coat	None Detected
76A	Layer 1	B141698	White	Decorative Coating	None Detected
	Layer 2	B141698	Gray	Plaster	None Detected



Asbestos Report Summary

By: POLARIZING LIGHT MICROSCOPY

PROJECT: WDOT idi 2709-03-20, Parcel 125 Shed; **CEI LAB CODE:** B16-1291
00541124

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

Client ID	Layer	Lab ID	Color	Sample Description	ASBESTOS %
76B	Layer 1	B141699	White	Decorative Coating	None Detected
	Layer 2	B141699	Gray	Plaster	None Detected
76C	Layer 1	B141700	White	Decorative Coating	None Detected
	Layer 2	B141700	Gray	Plaster	None Detected
77A		B141701	Tan	Furnace Insulation	None Detected
77B		B141702	Tan	Furnace Insulation	None Detected
77C		B141703	Tan	Furnace Insulation	None Detected
78A		B141704	Gray	Shingle	None Detected
78B		B141705	Gray	Shingle	None Detected
78C		B141706	Gray	Shingle	None Detected
79A		B141707	Gray	Shingle	None Detected
79B		B141708	Gray	Shingle	None Detected
79C		B141709	Gray	Shingle	None Detected
80A		B141710	Black	Tarpaper	None Detected
80B		B141711	Black	Tarpaper	None Detected
80C		B141712	Black	Tarpaper	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1291
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
1A B141586	Shingle	Heterogeneous Gray Fibrous Bound	45%	Fiberglass	40% 15%	Tar Gravel	None Detected
1B B141587	Shingle	Heterogeneous Gray Fibrous Bound	45%	Fiberglass	40% 15%	Tar Gravel	None Detected
1C B141588	Shingle	Heterogeneous Gray Fibrous Bound	45%	Fiberglass	40% 15%	Tar Gravel	None Detected
2A B141589	Shingle	Heterogeneous Green Fibrous Bound	45%	Cellulose	40% 15%	Tar Gravel	None Detected
2B B141590	Shingle	Heterogeneous Green Fibrous Bound	45%	Cellulose	40% 15%	Tar Gravel	None Detected
2C B141591	Shingle	Heterogeneous Green Fibrous Bound	45%	Cellulose	40% 15%	Tar Gravel	None Detected
3A B141592	Electrical Wiring	Heterogeneous Black Fibrous Bound	45%	Cellulose	30% 15% 10%	Tar Binder Metal	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1291
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
3B B141593	Electrical Wiring	Heterogeneous Black Fibrous Bound	45%	Cellulose	30% 15% 10%	Tar Binder Metal	None Detected
3C B141594	Electrical Wiring	Heterogeneous Black Fibrous Bound	45%	Cellulose	30% 15% 10%	Tar Binder Metal	None Detected
4A B141595	Fiberglass Batting Insulation	Heterogeneous Brown,Black Fibrous Bound	45% 15%	Cellulose Fiberglass	40%	Tar	None Detected
4B B141596	Fiberglass Batting Insulation	Heterogeneous Brown,Black Fibrous Bound	45% 15%	Cellulose Fiberglass	40%	Tar	None Detected
4C B141597	Fiberglass Batting Insulation	Heterogeneous Brown,Black Fibrous Bound	45% 15%	Cellulose Fiberglass	40%	Tar	None Detected
5A B141598	Window Glazing	Heterogeneous White Fibrous Bound			5% 85% 10%	Paint Binder Silicates	None Detected
5B B141599	Window Glazing	Heterogeneous White Fibrous Bound			5% 85% 10%	Paint Binder Silicates	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1291
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
5C B141600	Window Glazing	Heterogeneous White Fibrous Bound		5% Paint 85% Binder 10% Silicates	None Detected
45A B141601	Stair Tread	Heterogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
45B B141602	Stair Tread	Heterogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
45C B141603	Stair Tread	Heterogeneous Black Non-fibrous Bound		100% Vinyl	None Detected
46A B141604	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
46B B141605	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
46C B141606	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected



ASBESTOS BULK ANALYSIS

By: POLARIZING LIGHT MICROSCOPY

Client: PSI
821 Corporate Ct.
Waukesha, WI 53189

CEI Lab Code: B16-1291
Date Received: 02-08-16
Date Analyzed: 02-09-16
Date Reported: 02-09-16

Project: WDOT idi 2709-03-20, Parcel 125 Shed; 00541124

ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
47A B141607	Linoleum	Heterogeneous White Fibrous Bound	20% 15%	Cellulose Fiberglass	35% 30%	Vinyl Binder	None Detected
47B B141608	Linoleum	Heterogeneous White Fibrous Bound	20% 15%	Cellulose Fiberglass	35% 30%	Vinyl Binder	None Detected
47C B141609	Linoleum	Heterogeneous White Fibrous Bound	20% 15%	Cellulose Fiberglass	35% 30%	Vinyl Binder	None Detected
48A B141610	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
48B B141611	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
48C B141612	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
49A B141613	Door Caulk	Heterogeneous Brown Fibrous Bound			75% 5% 10%	Tar Paint Silicates	10% Chrysotile
49B B141614	Sample Not Analyzed per COC						



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
49C B141615	Sample Not Analyzed per COC				
50A B141616	Window Caulk	Heterogeneous White Non-fibrous Bound		95% Caulk 5% Silicates	None Detected
50B B141617	Window Caulk	Heterogeneous White Non-fibrous Bound		95% Caulk 5% Silicates	None Detected
50C B141618	Window Caulk	Heterogeneous White Non-fibrous Bound		95% Caulk 5% Silicates	None Detected
51A B141619	Window Caulk	Heterogeneous Gray Non-fibrous Bound		5% Paint 85% Binder 10% Silicates	None Detected
51B B141620	Window Caulk	Heterogeneous Gray Non-fibrous Bound		5% Paint 85% Binder 10% Silicates	None Detected
51C B141621	Window Caulk	Heterogeneous Gray Non-fibrous Bound		5% Paint 85% Binder 10% Silicates	None Detected
52A B141622	Seam Caulk	Heterogeneous White,Black Non-fibrous Bound	<1% Cellulose	95% Caulk 5% Tar	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
52B B141623	Seam Caulk	Heterogeneous White,Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Tar	None Detected
52C B141624	Seam Caulk	Heterogeneous White,Black Non-fibrous Bound	<1%	Cellulose	95% 5%	Caulk Tar	None Detected
53A B141625	Floor Tile	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
53B B141626	Floor Tile	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
53C B141627	Floor Tile	Heterogeneous Tan Non-fibrous Bound			100%	Vinyl	None Detected
54A B141628	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
54B B141629	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
54C B141630	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
55A B141631	Linoleum	Heterogeneous Tan,Red Fibrous Bound	35%	Cellulose	30% 35%	Vinyl Tar	None Detected
55B B141632	Linoleum	Heterogeneous Tan,Red Fibrous Bound	35%	Cellulose	30% 35%	Vinyl Tar	None Detected
55C B141633	Linoleum	Heterogeneous Tan,Red Fibrous Bound	35%	Cellulose	30% 35%	Vinyl Tar	None Detected
56A B141634	Floor Tile	Heterogeneous Cream Non-fibrous Bound			100%	Vinyl	None Detected
56B B141635	Floor Tile	Heterogeneous Cream Non-fibrous Bound			100%	Vinyl	None Detected
56C B141636	Floor Tile	Heterogeneous Cream Non-fibrous Bound			100%	Vinyl	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
57A B141637	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
57B B141638	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
57C B141639	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
58A B141640	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		95% Mastic 5% Silicates	None Detected
58B B141641	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		95% Mastic 5% Silicates	None Detected
58C B141642	Ceramic Tile Mastic	Heterogeneous Yellow Non-fibrous Bound		95% Mastic 5% Silicates	None Detected
59A B141643	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		90% Binder 10% Silicates	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS		ASBESTOS %
			Fibrous	Non-Fibrous	
59B B141644	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		90% Binder 10% Silicates	None Detected
59C B141645	Ceramic Tile Grout	Heterogeneous White Non-fibrous Bound		90% Binder 10% Silicates	None Detected
60A B141646	Floor Tile	Heterogeneous Cream,Blue Non-fibrous Bound		100% Vinyl	None Detected
60B B141647	Floor Tile	Heterogeneous Cream,Blue Non-fibrous Bound		100% Vinyl	None Detected
60C B141648	Floor Tile	Heterogeneous Cream,Blue Non-fibrous Bound		100% Vinyl	None Detected
61A B141649	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected
61B B141650	Mastic	Heterogeneous Clear Non-fibrous Bound		100% Mastic	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
61C B141651	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
62A B141652	Linoleum	Heterogeneous Tan,Gray Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			15%	Fiberglass	25%	Binder	
62B B141653	Linoleum	Heterogeneous Tan,Gray Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			15%	Fiberglass	25%	Binder	
62C B141654	Linoleum	Heterogeneous Tan,Gray Fibrous Bound	30%	Cellulose	30%	Vinyl	None Detected
			15%	Fiberglass	25%	Binder	
63A B141655	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
63B B141656	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected
63C B141657	Mastic	Heterogeneous Yellow Non-fibrous Bound			100%	Mastic	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
64A B141658	Linoleum	Heterogeneous Cream,Brown Fibrous Bound	30% 15%	Cellulose Fiberglass	30% 25%	Vinyl Binder	None Detected
64B B141659	Linoleum	Heterogeneous Cream,Brown Fibrous Bound	30% 15%	Cellulose Fiberglass	30% 25%	Vinyl Binder	None Detected
64C B141660	Linoleum	Heterogeneous Cream,Brown Fibrous Bound	30% 15%	Cellulose Fiberglass	30% 25%	Vinyl Binder	None Detected
65A B141661	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
65B B141662	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
65C B141663	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
66A B141664	Floor Tile	Heterogeneous Tan,Brown Non-fibrous Bound			100%	Vinyl	None Detected



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
66B B141665	Floor Tile	Heterogeneous Tan,Brown Non-fibrous Bound			100%	Vinyl	None Detected
66C B141666	Floor Tile	Heterogeneous Tan,Brown Non-fibrous Bound			100%	Vinyl	None Detected
67A B141667	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
67B B141668	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
67C B141669	Mastic	Heterogeneous Clear Non-fibrous Bound			100%	Mastic	None Detected
68A B141670	Siding Shingle	Heterogeneous Black Fibrous Bound	55%	Cellulose	10% 35%	Gravel Tar	None Detected
68B B141671	Siding Shingle	Heterogeneous Black Fibrous Bound	55%	Cellulose	10% 35%	Gravel Tar	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
68C B141672	Siding Shingle	Heterogeneous Black Fibrous Bound	55%	Cellulose	10% 35%	Gravel Tar	None Detected
69A B141673	Siding Felt	Heterogeneous Tan Fibrous Bound	95%	Cellulose	5%	Binder	None Detected
69B B141674	Siding Felt	Heterogeneous Black Fibrous Bound	90%	Cellulose	10%	Tar	None Detected
69C B141675	Siding Felt	Heterogeneous Tan Fibrous Bound	95%	Cellulose	5%	Binder	None Detected
70A B141676	Exterior Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
70B B141677	Exterior Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected
70C B141678	Exterior Door Caulk	Heterogeneous White Non-fibrous Bound			100%	Caulk	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
71A B141679	Exterior Window Caulk	Heterogeneous White Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
71B B141680	Exterior Window Caulk	Heterogeneous White Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
71C B141681	Exterior Window Caulk	Heterogeneous White Non-fibrous Bound			95% 5%	Caulk Paint	None Detected
72A B141682	Siding Paper	Heterogeneous Silver,Black Fibrous Bound	35%	Cellulose	35% 30%	Metal Foil Tar	None Detected
72B B141683	Siding Paper	Heterogeneous Silver,Black Fibrous Bound	35%	Cellulose	35% 30%	Metal Foil Tar	None Detected
72C B141684	Siding Paper	Heterogeneous Silver,Black Fibrous Bound	35%	Cellulose	35% 30%	Metal Foil Tar	None Detected
73A Layer 1 B141685	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID	Lab	Lab	NON-ASBESTOS COMPONENTS				ASBESTOS
Lab ID	Description	Attributes	Fibrous		Non-Fibrous		%
Layer 2 B141685	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	None Detected
					45%	Binder	
73B Layer 1 B141686	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 B141686	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	None Detected
					45%	Binder	
73C Layer 1 B141687	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 B141687	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	None Detected
					45%	Binder	
73D Layer 1 B141688	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5%	Paint	None Detected
					95%	Binder	
Layer 2 B141688	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55%	Silicates	None Detected
					45%	Binder	



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Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
73E Layer 1 B141689	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 B141689	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
73F Layer 1 B141690	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 B141690	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
73G Layer 1 B141691	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 B141691	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
74A B141692	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected



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ASBESTOS BULK PLM, EPA 600 METHOD

Client ID Lab ID	Lab Description	Lab Attributes	NON-ASBESTOS COMPONENTS				ASBESTOS %
			Fibrous		Non-Fibrous		
74B B141693	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
74C B141694	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
75A Layer 1 B141695	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 B141695	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
75B Layer 1 B141696	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected
Layer 2 B141696	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
75C Layer 1 B141697	Plaster Skim Coat	Heterogeneous White Non-fibrous Bound			5% 95%	Paint Binder	None Detected



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			Fibrous		Non-Fibrous		
Layer 2 B141697	Plaster Base Coat	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
76A Layer 1 B141698	Decorative Coating	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 B141698	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
76B Layer 1 B141699	Decorative Coating	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 B141699	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected
76C Layer 1 B141700	Decorative Coating	Heterogeneous White Non-fibrous Bound			5% 55% 40%	Paint Calc Carb Binder	None Detected
Layer 2 B141700	Plaster	Heterogeneous Gray Fibrous Bound	<1%	Cellulose	55% 45%	Silicates Binder	None Detected



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			Fibrous		Non-Fibrous		
77A B141701	Furnace Insulation	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
77B B141702	Furnace Insulation	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
77C B141703	Furnace Insulation	Heterogeneous Tan Fibrous Bound	90%	Cellulose	10%	Binder	None Detected
78A B141704	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected
78B B141705	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected
78C B141706	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected
79A B141707	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected



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			Fibrous		Non-Fibrous		
79B B141708	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected
79C B141709	Shingle	Heterogeneous Gray Fibrous Bound	40%	Cellulose	15% 45%	Gravel Tar	None Detected
80A B141710	Tarpaper	Heterogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
80B B141711	Tarpaper	Heterogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected
80C B141712	Tarpaper	Heterogeneous Black Fibrous Bound	70%	Cellulose	30%	Tar	None Detected



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

LIMIT OF DETECTION: <1% by visual estimation

REGULATORY LIMIT: >1% by weight

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 polarized 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.

This report relates only to the samples tested or analyzed and may not be reproduced, except in full, without written approval by CEI Labs, Inc. CEI Labs makes no warranty representation regarding the accuracy of client submitted information in preparing and presenting analytical results. Interpretation of the analytical results is the sole responsibility of the client. 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: Candace Burrus
Candace Burrus

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





107 New Edition Court, Cary, NC 27511
Tel: 866-481-1412; Fax: 919-481-1442

ASBESTOS CHAIN OF CUSTODY

(127)

LAB USE ONLY:
CEI Lab Code: B16 1291
CEI Lab I.D. Range: B141586 B141712

COMPANY INFORMATION	PROJECT INFORMATION
CEI CLIENT #:	Job Contact: Jim Updike
Company: PSI, Inc	Email / Tel: (262) 521-2125
Address: 821 Corporate Court Waukegan, WI 53189	Project Name: W1 DOT Id: 2709-03-20, Parcel 125 - shed
Email: jim.updike@psiusa.com	Project ID# 00541124
Tel: (262) 521-2125 Fax: (262) 521-2471	PO #:
STATE SAMPLES COLLECTED IN:	

IF TAT IS NOT MARKED STANDARD 3 DAY TAT APPLIES.

ASBESTOS	METHOD	TURN AROUND TIME					
		4 HR	8 HR	24 HR	2 DAY	3 DAY	5 DAY
PLM BULK	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (400)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM POINT COUNT (1000)	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM GRAV w POINT COUNT	EPA 600	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PLM BULK	CARB 435	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
PCM AIR	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	EPA AHERA	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	NIOSH 7402	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM AIR	ASTM 6281-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM BULK	CHATFIELD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST WIPE	ASTM D6480-05	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM DUST MICROVAC	ASTM D5755-09	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM SOIL	ASTM D7521-13	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
TEM VERMICULITE	CINCINNATI METHOD	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
OTHER:		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMARKS / SPECIAL INSTRUCTIONS:

*stop @ 1st positive

☒ Accept Samples
☐ Reject Samples

Relinquished By:	Date/Time	Received By:	Date/Time
Matthew Geldmeyer	2/5/16	Y	2/8/16 8:50am
Matthew Geldmeyer	by 17:00		

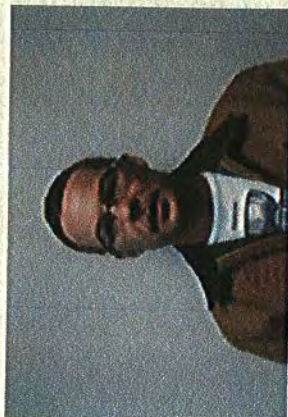
Samples will be disposed of 30 days after analysis

APPENDIX B
CERTIFICATIONS

Milwaukee Lead/Asbestos Information Center

A division of Midwest Certified Training, Inc.

3495 North 124th Street, Brookfield, WI 53005 Phone: 414-481-9070



Matthew Raymond Geldmeyer

Has successfully completed a course and passed the examination on January 6, 2016 with a minimum score of 70 percent, that meets all criteria for the State of Wisconsin Recertification as an

Asbestos Inspector Refresher Course

Date of Course: January 6, 2016

Date Issued: January 6, 2016

Date of Expiration: January 6, 2017

Certification Number: AIR16010653634

Location: Milwaukee Lead/Asbestos Information Center, 3495 North 124th Street, Brookfield, WI 53005

DCQ Course ID #: 9606

Rocky Everly

Rocky Everly, Director of Milwaukee Lead/Asbestos Information Center, Inc.
3495 North 124th Street
Brookfield, WI 53005
414-481-9070

This training course complies with the requirements of TSCA Title II and is accredited by the State of Wisconsin Department of Health Services under ch. DHS 159, Wis. Admin. Code.

Company Certificate

This certifies that

PSI - PROFESSIONAL SERVICE INDUSTRIES INC

821 CORPORATE CT
WAUKESHA WI 53189-5009

is certified under ch. DHS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 07/16/2015
Expiration Date: 08/01/2017, 12:01 a.m.
Certification #: CAP-16820

Wisconsin Department of Health Services
Division of Public Health
Bureau of Environmental and Occupational Health
Asbestos & Lead Section
PO Box 2659
Madison WI 53701-2659
Phone: (608) 261-6876

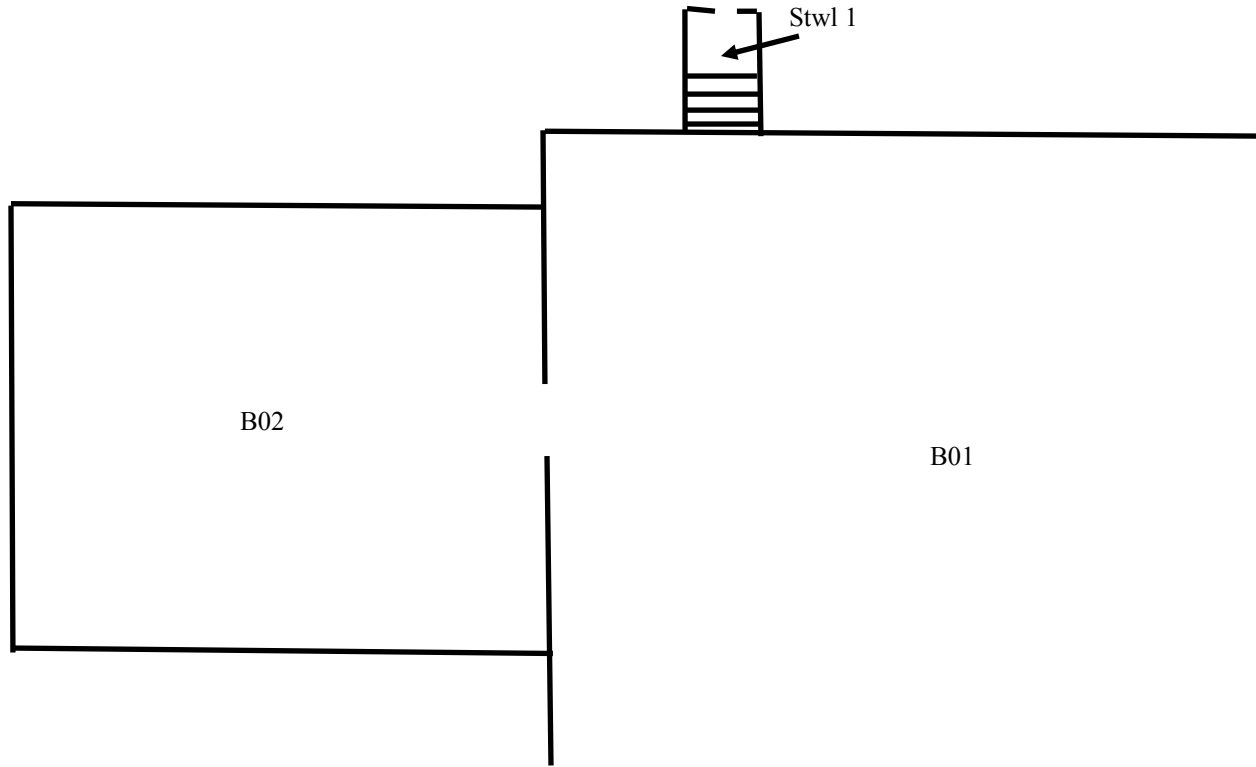


Shelley A Bruce
Shelley A Bruce,
Unit Supervisor

APPENDIX C

DRAWINGS

Pleasant Hill Rd



STH 164



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

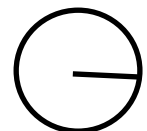
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Basement

PSI Project Number:
00541124

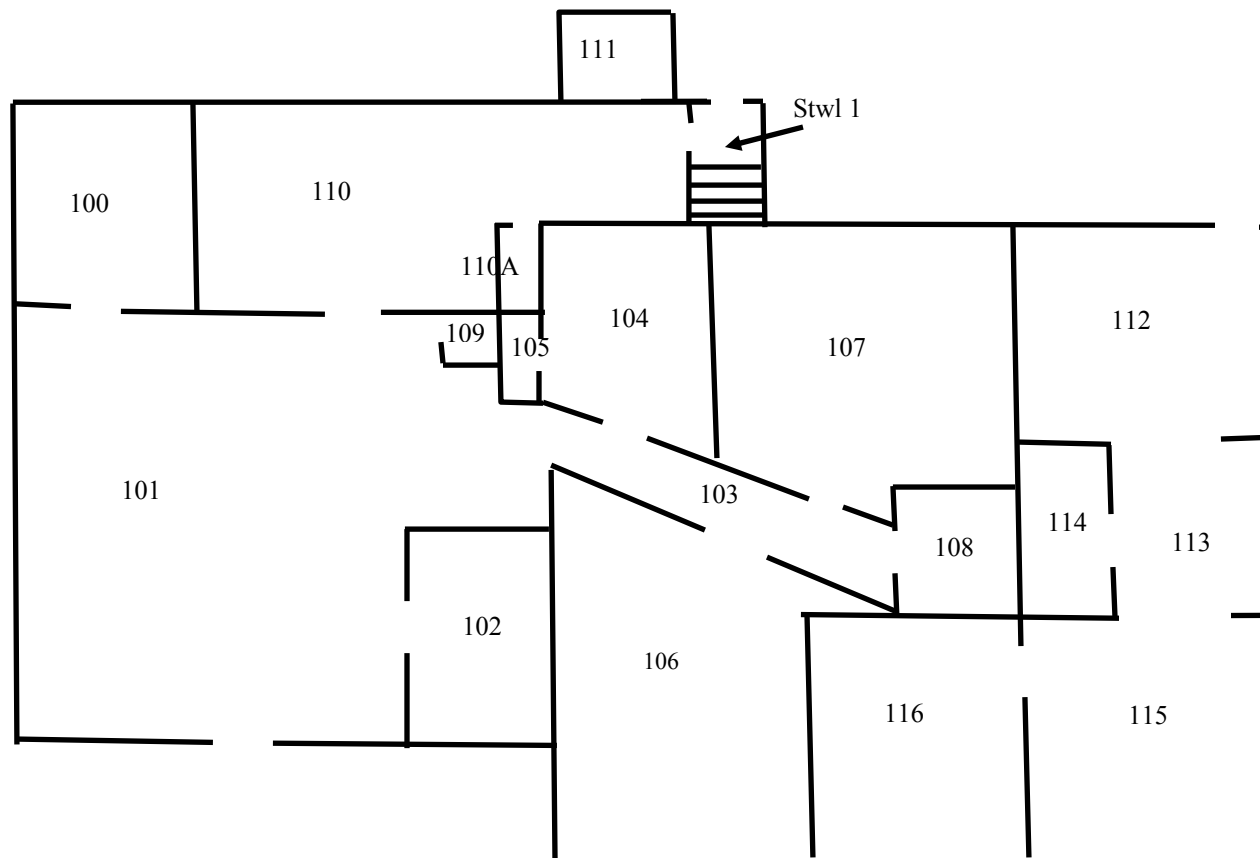
Scale:
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Date:
2/3/16



NORTH
Richfield WI

Pleasant Hill Rd



STH 164



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
1st Floor

PSI Project Number:
00541124

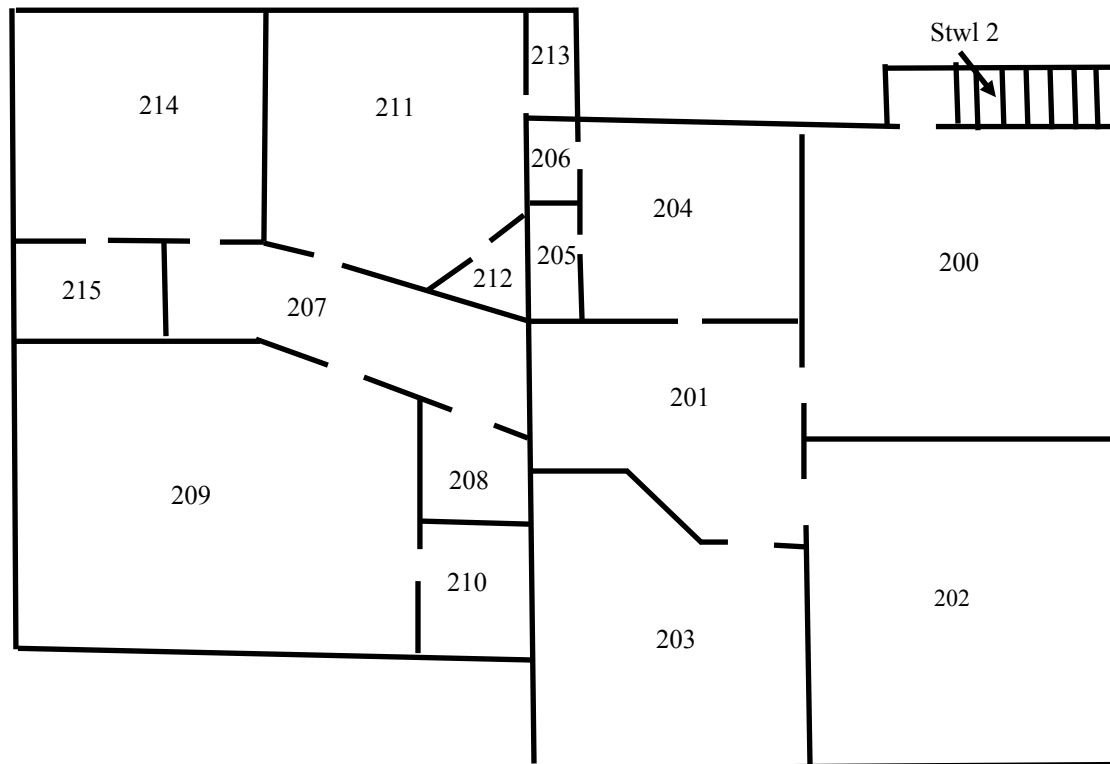
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Date:
2/3/16



NORTH
Richfield WI

Pleasant Hill Rd



STH 164



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

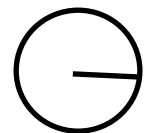
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
2nd Floor

PSI Project Number:
00541124

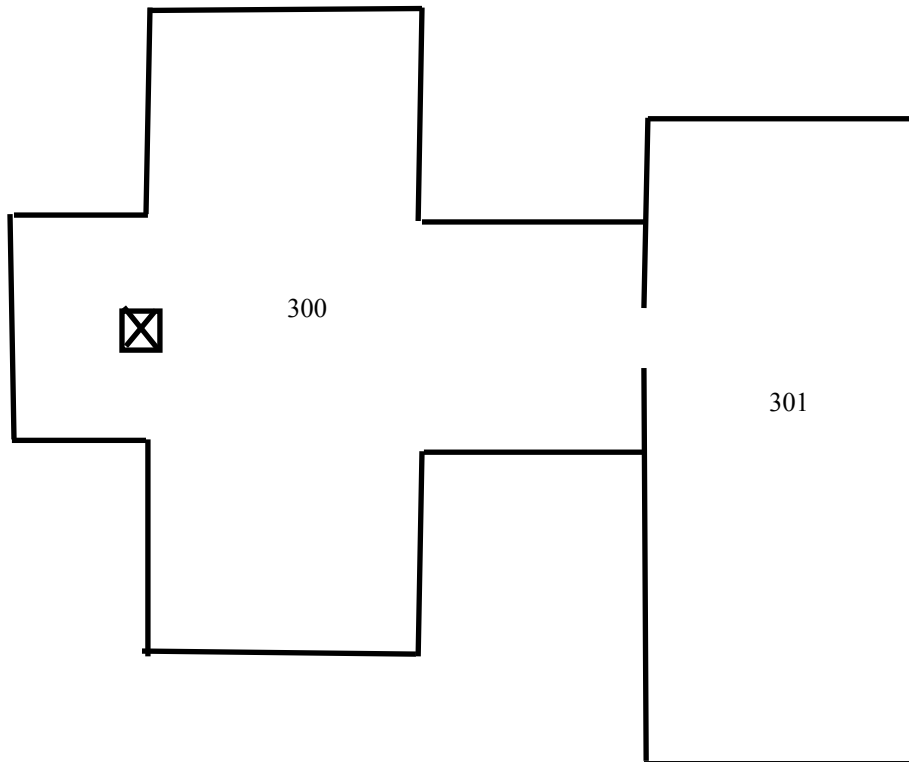
Scale:
Not to Scale

Date:
2/3/16



NORTH
Richfield WI

Pleasant Hill Rd



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

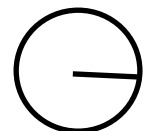
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Attic

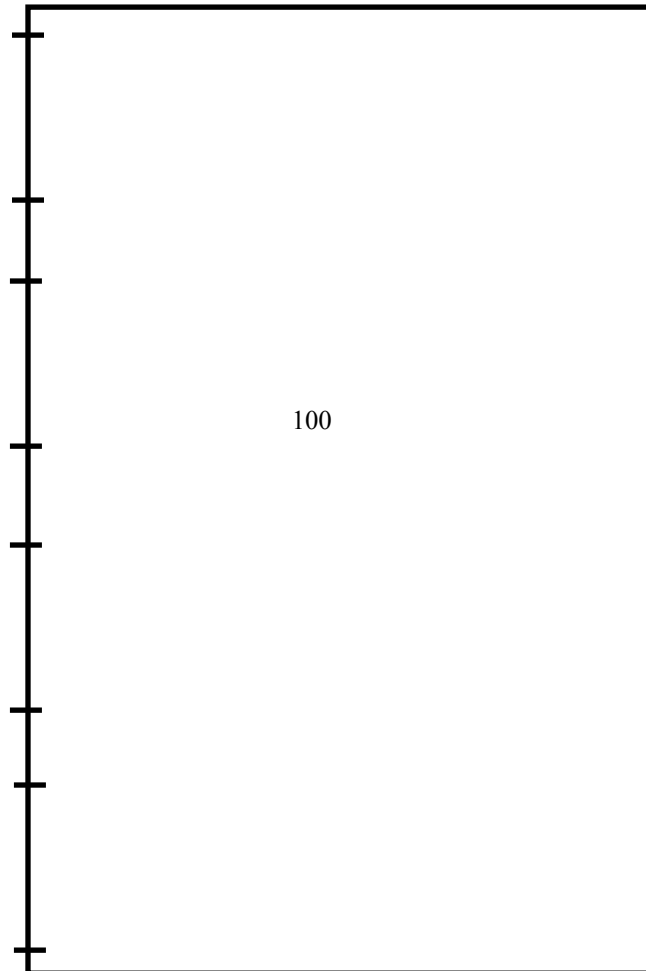
PSI Project Number:
00541124

Scale:
Not to Scale

Date:
2/3/16



NORTH
Richfield WI



STH 164



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

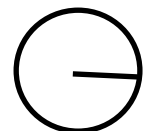
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Garage

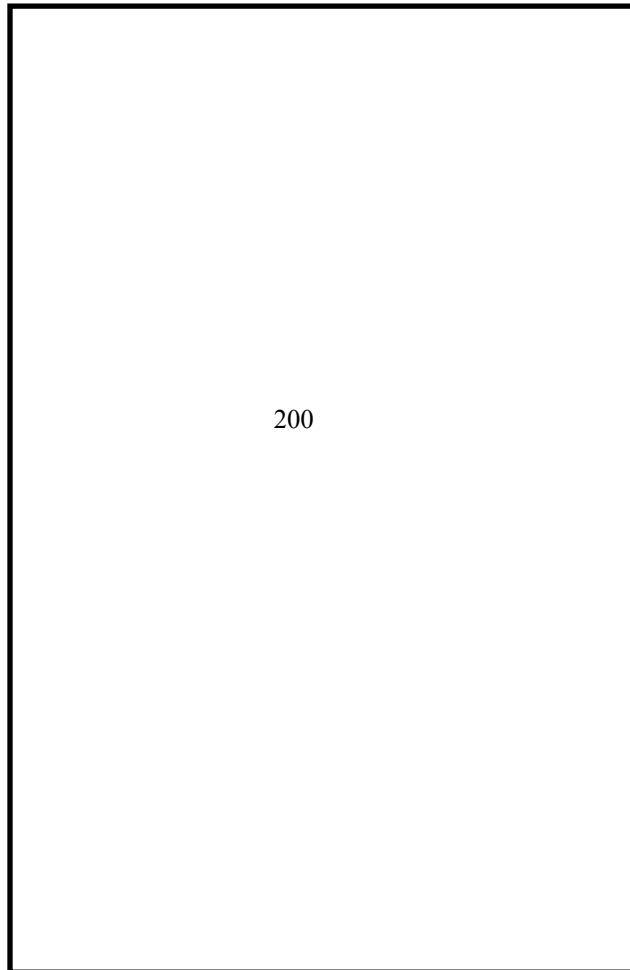
PSI Project Number:
00541124

Scale:
Not to Scale

Date:
2/3/16



NORTH
Richfield WI



200

STH 164



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

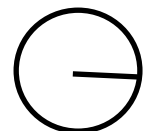
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Garage Attic

PSI Project Number:
00541124

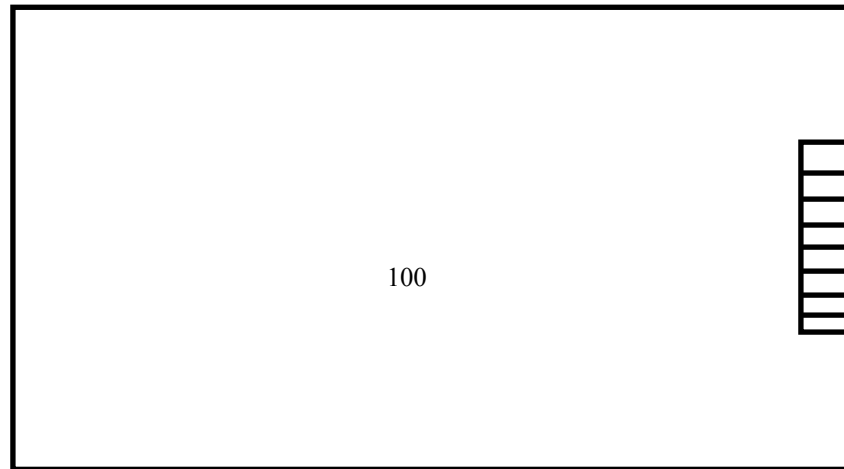
Scale:
Not to Scale

Date:
2/3/16



NORTH
Richfield WI

Pleasant Hill Rd



100



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

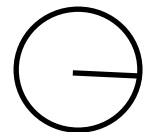
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Shed Base

PSI Project Number:
00541124

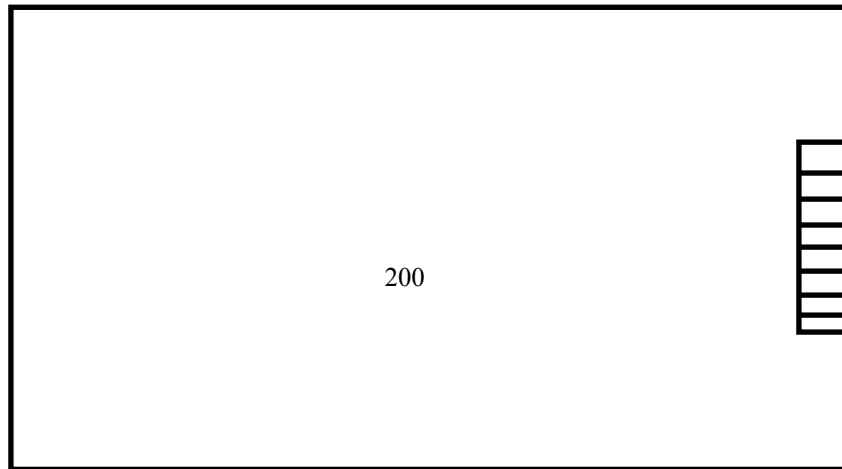
Scale:
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Date:
2/3/16



NORTH
Richfield WI

Pleasant Hill Rd



200



ID: 2709-03-20, Parcel 125

Environmental Services
821 Corporate Court
Waukesha, Wisconsin 53189
(262) 521-2125 Fax (262) 521-2471

2103 STH 164

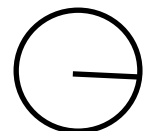
Wisconsin DOT Site
2103 STH 164
Richfield, Wisconsin

Floor Plan
Shed Attic

PSI Project Number:
00541124

Scale:
Not to Scale

Date:
2/3/16



NORTH
Richfield WI

BID FORM INSTRUCTIONS

(Please Read Carefully)

Option A: THE BIDDER INTENDS TO MAKE PAYMENT TO THE STATE OF WISCONSIN.

Option B: THE BIDDER INTENDS TO RECEIVE PAYMENT FROM THE STATE OF WISCONSIN.

1. Under the column entitled "Option A," insert the amount, if any, in numerals (dollars and cents) for each parcel that the bidder intends to pay the State of Wisconsin.
2. Under the column entitled "Option B," inset the amount, if any, in numerals (dollars and cents) for each parcel that the bidder intends to be paid by the State of Wisconsin.
3. A bid of \$0.00 is acceptable.
4. Bidder must bid on each parcel but only under one option per parcel.
5. A bid, which lists an amount under both options, will be considered an irregular bid and rejected.
6. Bidder must either leave blank or line out the blank under the option for which the bidder does not submit a bid.
7. The contract, if awarded, will be awarded based on the bid most favorable to the Department. A combined net bid is the difference between bids under Option A and Option B. Therefore, in the "Total Bid or Combined Net Bid" row on the Bid Proposal, if you bid under only one option for all parcels, enter the total amount. If you bid under Option A for some parcels and Option B for other parcels, enter the difference between the two bids. (Reference Article 6, Award of Contract)
8. The bid proposal shall remain completely intact when submitted.
9. A SEPARATE CERTIFIED CHECK, BANK'S DRAFT, BANK'S CHECK, OR POSTAL MONEY ORDER FOR THE BID AMOUNT IN THE "OPTION A" SUBTOTAL COLUMN SHALL BE ATTACHED TO THE BID PROPOSAL.
10. **PROPOSAL GUARANTY** (see Subsection 102.8 of the Standard Specifications). **ONE OF THE FOLLOWING NEEDS TO BE COMPLETED BY THE BIDDER AND RETURNED WITH THE BID PROPOSAL: (1)** a properly executed Bid Bond (form to be used is found near the front of this proposal – *do not* remove from bid proposal); **or (2)** a properly executed Annual Bid Bond (form to be used is found near the front of this proposal – *do not* remove from bid proposal); **or (3)** a separate certified check, bank's draft, bank's check, or postal money order in the amount of the proposal guaranty that is to be attached to the second page of this bid proposal under "Please Attach Proposal Guaranty Here."

Note: Deposit a valid surety bond with the department in the amount designated on the bond form covering both performance and payment. Submit the contract bond on a department-furnished form. This is also stated in standard spec 103.5.

BID PROPOSAL

Project I.D. 2250-12-22, Parcel 1, 619 W Main St, Waterford, WI, 53185, Racine County
Project I.D. 2709-03-20, Parcel 89, 1636 STH 164, Hubertus, WI 53033, Washington County
Project I.D. 2709-03-20, Parcel 117, 2097 STH 164, Richfield, WI 53076, Washington County
Project I.D. 2709-03-20, Parcel 125, 2103 STH 164, Richfield, WI 53076, Washington County

Project/Parcel Number	Option A – Contractor to Pay WisDOT	Option B – Contractor to Receive Payment from WisDOT
2250-12-22 Parcel 1	\$	\$
2709-03-20 Parcel 89	\$	\$
2709-03-20 Parcel 117	\$	\$
2709-03-20 Parcel 125	\$	\$
	\$	\$
Option A Total:	\$	////////////////////////////////////
Option B Total:		\$
Total Bid or Combined Net Bid		\$

PLEASE NOTE: A separate Certified Check, Bank's Draft, Bank's Check, or Postal Money Order for the Bid Amount in the "Option A" subtotal column shall be attached to this Bid Proposal – see *Bid Form Instructions* for specific information.

Firm Name _____ (_____) _____
Telephone Number with Area Code (where you can be reached during business hours)

☐

Check box if Bidding Contractor is a Certified Asbestos Abatement Contractor and will perform the required asbestos removals under this contract, **OR** complete the following:

IF APPLICABLE:

I will use the following Licensed Asbestos Abatement Subcontractor to perform the required asbestos removal under this Contract:
Name:
Address:
Phone:

PLEASE ATTACH SCHEDULE OF ITEMS HERE