

Contract Routing Form

ROUTING: Routine

printed on: 09/18/2014

Contract between: S & L Underground and Trucking Inc
 and Dept. or Division: Engineering Division
 Name/Phone Number:

Project: Warner Park Cunette Replacement

Contract No.: 7200
 Enactment No.: RES-14-00702
 Dollar Amount: 449,985.80

File No.: 35317
 Enactment Date: 09/17/2014

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	9/19/14	9/19/14
Director of Civil Rights	9/19/14	9/22/14 MDO
Risk Manager	09-23-2014	9/23/14 RN
Finance Director	9-23-14 KLSV	09-24-2014
City Attorney	1253 9-24-14	9-30-14
Mayor	9/20/14	9/30/14

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

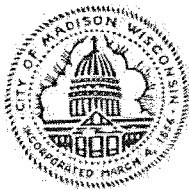
PO # 81537200

Original + 2 Copies

9/24/14 KLSV

09/18/2014 10:22:33 enjap - S Swenson - 266-4751

Dis Rights: OK / N/A / Problem - Hold
 Prev Wage: AA / Agency / No
 Contract Value: See above
 AA Plan: Exempt
 Amendment / Addendum #
 Type: POS / Dvlp / Sbdv / Gov't /
 Grant / PW / Goa / Loan / Agrmt



City of Madison

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

Master

File Number: 35314

File ID: 35314	File Type: Resolution	Status: Passed
Version: 1	Reference:	Controlling Body: BOARD OF PUBLIC WORKS
Lead Referral: BOARD OF PUBLIC WORKS	Cost:	File Created Date : 08/25/2014
File Name: Awarding Public Works Contract No. 7200, Warner Park Cunette Replacement.		Final Action: 09/16/2014
Title: Awarding Public Works Contract No. 7200, Warner Park Cunette Replacement.		

Notes: Sally Swenson

CC Agenda Date: 09/16/2014

Agenda Number: 29.

Sponsors: BOARD OF PUBLIC WORKS

Effective Date: 09/17/2014

Attachments: Contract 7200.pdf

Enactment Number: RES-14-00700

Author: Rob Phillips, City Engineer

Hearing Date:

Entered by: mhacker@cityofmadison.com

Published Date:

Approval History

Version	Date	Approver	Action
1	09/04/2014	Craig Franklin	Approve

History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
1	Engineering Division	08/25/2014	Refer	BOARD OF PUBLIC WORKS	09/03/2014	09/03/2014	
	Action Text: This Resolution was Refer to the BOARD OF PUBLIC WORKS due back on 9/3/2014						
	Notes:						
1	BOARD OF PUBLIC WORKS	09/03/2014	RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER				Pass

Action Text: A motion was made by Skidmore, seconded by Branson, to RECOMMEND TO COUNCIL TO ADOPT UNDER SUSPENSION OF RULES 2.04, 2.05, 2.24, & 2.25 - REPORT OF OFFICER. The motion passed by voice vote/other.

Notes:

1	COMMON COUNCIL	09/16/2014	Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25	Pass
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Action Text: A motion was made by Schmidt, seconded by DeMarb, to Adopt Under Suspension of Rules 2.04, 2.05, 2.24, and 2.25. The motion passed by voice vote/other.

Notes:

Text of Legislative File 35314

Fiscal Note

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

Title

Awarding Public Works Contract No. 7200, Warner Park Cunette Replacement.

Body

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

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

See attached document (Contract No. 7200) for itemization of bids.

PROJECT _____ CONTRACTOR _____ AMOUNT OF BID _____

CONTRACT NO. 7200
WARNER PARK CUNETTE REPLACEMENT

S & L UNDERGROUND AND TRUCKING, INC.

\$449,985.80

Acct. No. ESTM-58270-810382-00-53W1696
Contingency 8%±

\$449,985.80
36,004.20

GRAND TOTAL

\$485,990.00

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

Monday, September 15, 2014

162

DOWNEY, ROBERT SCHAD
HUDSON WI

Year of Birth: 1987
Status: Active
License Number: 2587534
NPN**: 16171611
Effective Date: 12-09-2011
Expiration Date: 10-31-2015
License Type: Resident Intermediary Indv
CE Compliance: 10-31-2015

Lines of Authority

Line of Authority	Residency	Effective Date	Status
Property	Resident	12-09-2011	Active
	Non-Resident	12-09-2011	Inactive
	Non-Resident	03-16-2011	Active
Casualty	Resident	12-09-2011	Active
	Non-Resident	12-09-2011	Inactive
	Non-Resident	03-16-2011	Active

Appointments and Terminations

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
American Contractors Indemnity Company	CAS/Inactive	09-29-2011	12-09-2011	Canceled
	SUR/Active	12-12-2011		
American Economy Insurance Company	CAS/Active	12-21-2011		
	PROP/Active	12-21-2011		
American Fire and Casualty Company	CAS/Active	12-21-2011		
	PROP/Active	12-21-2011		
American States Insurance Company	CAS/Active	12-21-2011		
	PROP/Active	12-21-2011		
Berkley Insurance Company	CAS/Active	08-26-2013		
Bond Safeguard Insurance Company	SUR/Inactive	03-24-2011	12-09-2011	Canceled
Citizens Insurance Company of America	CAS/Active	12-28-2011		
	PROP/Active	12-28-2011		
Consolidated Insurance Company	CAS/Active	12-21-2011		
	PROP/Active	12-21-2011		

First National Insurance Company of America	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
First Sealord Surety, Inc.	SUR/Inactive	04-04-2011	12-09-2011		Canceled
General Insurance Company of America	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Granite Re, Inc.	CAS/Inactive	03-22-2011	12-09-2011		Canceled
	SUR/Active	03-21-2012			
Guarantee Company of North America USA, The	CAS/Active	12-28-2011			
Hanover Insurance Company, The	CAS/Active	12-28-2011			
	PROP/Active	12-28-2011			
Hawkeye-Security Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
IMT Insurance Company	CAS/Inactive	06-08-2011	12-09-2011		Canceled
	PROP/Inactive	06-08-2011	12-09-2011		Canceled
Indiana Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Lexon Insurance Company	SUR/Active	12-21-2011			
	SUR/Inactive	03-24-2011	12-09-2011		Canceled
Liberty Mutual Fire Insurance Company	CAS/Active	01-13-2012			
Liberty Mutual Insurance Company	CAS/Active	01-13-2012			
LM Insurance Corporation	CAS/Active	01-13-2012			
Massachusetts Bay Insurance Company	CAS/Active	12-28-2011			
	PROP/Active	12-28-2011			
Merchants Bonding Company (Mutual)	CAS/Active	12-20-2011			
	CAS/Inactive	03-23-2011	12-09-2011		Canceled
Merchants National Bonding, Inc.	CAS/Active	02-06-2013			
Meridian Security Insurance Company	CAS/Active	06-27-2012			
	PROP/Active	06-27-2012			
Milbank Insurance Company	CAS/Active	06-27-2012			
	PROP/Active	06-27-2012			

Netherlands Insurance Company, The	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Ohio Casualty Insurance Company, The	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Ohio Security Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Old Republic Insurance Company	CAS/Active	02-20-2012			
	CAS/Inactive	03-22-2011	12-09-2011		Canceled
Old Republic Surety Company	CAS/Active	02-20-2012			
	CAS/Inactive	03-22-2011	12-09-2011		Canceled
Peerless Indemnity Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Peerless Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
SAFECO Insurance Company of America	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			
Star Insurance Company	CAS/Inactive	01-03-2012	12-12-2013		Canceled
	CAS/Inactive	04-05-2011	12-09-2011		Canceled
	PROP/Inactive	01-03-2012	12-12-2013		Canceled
	PROP/Inactive	04-05-2011	12-09-2011		Canceled
State Auto Insurance Company of Wisconsin	CAS/Active	06-27-2012			
	PROP/Active	06-27-2012			
State Auto Property and Casualty Insurance Company	CAS/Active	06-27-2012			
	PROP/Active	06-27-2012			
State Automobile Mutual Insurance Company	CAS/Active	06-27-2012			
	PROP/Active	06-27-2012			
U.S. Specialty Insurance Company	CAS/Inactive	09-29-2011	12-09-2011		Canceled
	SUR/Active	12-12-2011			
United Fire & Casualty Company	CAS/Active	08-15-2014			
	PROP/Active	08-15-2014			
Wadena Insurance Company	CAS/Inactive	06-08-2011	12-09-2011		Canceled
	PROP/Inactive	06-08-2011	12-09-2011		Canceled
West American Insurance Company	CAS/Active	12-21-2011			
	PROP/Active	12-21-2011			

Western National Mutual Insurance Company	CAS/Active	06-20-2012		
	PROP/Active	06-20-2012		
	SUR/Active	06-20-2012		
Western Surety Company	CAS/Active	01-07-2013		
	CAS/Inactive	03-24-2011	12-09-2011	Canceled

* Photocopies of this report provided to an insurer should be confirmed on-line for accuracy.

** NPN = National Producer Number assigned by the National Insurance Producer Registry to assist with nonresident licensing in the future.

\$449,985.80
FILE

BID OF S & L UNDERGROUND AND TRUCKING, INC.

2014

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

WARNER PARK CUNETTE REPLACEMENT

CONTRACT NO. 7200

PROJECT NO. 53W1696

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON SEPTEMBER 16, 2014

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

<https://bidexpress.com/login>

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

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This Proposal, and Agreement have
been prepared by:

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



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

RFP: ss

SECTION A: ADVERTISEMENT FOR BIDS AND INSTRUCTIONS TO BIDDERS

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

A BEST VALUE CONTRACTING MUNICIPALITY

PROJECT NAME:	WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO.:	7200
SBE GOAL	15%
BID BOND	5%
PRE BID MEETING (1:00 P.M.)	AUGUST 15, 2014
PREQUALIFICATION APPLICATION DUE (1:00 P.M.)	AUGUST 15, 2014
BID SUBMISSION (1:00 P.M.)	AUGUST 22, 2014
BID OPEN (1:30 P.M.)	AUGUST 22, 2014
PUBLISHED IN WSJ	8/8/14 & 8/15/14

PRE BID MEETING: Representatives of the Affirmative Action Department will be present to discuss the Small Business Enterprise requirements at 1600 Emil Street, Madison Wisconsin.

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

BIDS TO BE SUBMITTED by hand to 1600 EMIL ST., MADISON, WI 53713 or online at www.bidexpress.com.

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

STANDARD SPECIFICATIONS

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

These standard specifications are available on the City of Madison Public Works website, www.cityofmadison.com/Business/PW/specs.cfm.

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

SECTION 102.1: PRE-QUALIFICATION OF BIDDERS

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

Bidders must present satisfactory evidence that they have been regularly engaged in the type of work specified herein and they are fully prepared with necessary capital, materials, machinery and supervisory personnel to conduct the work to be contracted for to the satisfaction of the City. All bidders must be pre-

qualified by the Board of Public Works for the type of construction on which they are bidding prior to the opening of the bid.

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

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

SECTION 102.4 PROPOSAL

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

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

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

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

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

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

SECTION 102.5: BID DEPOSIT (PROPOSAL GUARANTY)

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

PREVAILING WAGE RATES

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

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

Building Demolition

- 101 Asbestos Removal
- 120 House Mover

- 110 Building Demolition

Street, Utility and Site Construction

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

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

Bridge Construction

- 501 Bridge Construction and/or Repair

Building Construction

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

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

State of Wisconsin Certifications

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

SECTION B: PROPOSAL

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

You can access all City of Madison bid solicitations for FREE at www.bidexpress.com

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

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

SECTION C: SMALL BUSINESS ENTERPRISE

Instructions to Bidders City of Madison SBE Program Information

2 Small Business Enterprise (SBE) Program Information

2.1 Policy and Goal

The City of Madison reaffirms its policy of nondiscrimination in the conduct of City business by maintaining a procurement process which remains open to all who have the potential and ability to sell goods and services to the City. It is the policy of the City of Madison to allow Small Business Enterprises (SBE) maximum feasible opportunity to participate in City of Madison contracting. The bidder acknowledges that its bid has been submitted in accordance with the SBE program and is for the public's protection and welfare.

Please refer to the "ADVERTISEMENT FOR BIDS" for the goal for the utilization of SBEs on this project. SBEs may participate as subcontractors, vendors and/or suppliers, which provide a commercially useful function. The dollar value for SBE suppliers or 'materials only' vendors shall be discounted to 60% for purposes of meeting SBE goals.

A bidder which achieves or exceeds the SBE goal will be in compliance with the SBE requirements of this project. In the event that the bidder is unable to achieve the SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Failure to either achieve the goal or demonstrate a good faith effort to do so will be grounds for the bidder being deemed a non-responsible contractor ineligible for award of this contract.

A bidder may count towards its attainment of the SBE goal only those expenditures to SBEs that perform a commercially useful function. For purposes of evaluating a bidder's responsiveness to the attainment of the SBE goal, the contract participation by an SBE is based on the percentage of the total base bid proposed by the Contractor. The total base bid price is inclusive of all addenda.

Work performed by an SBE firm in a particular transaction can be counted toward the goal only if it involves a commercially useful function. That is, in light of industry practices and other relevant considerations, does the SBE firm have a necessary and useful role in the transaction, of a kind for which there is a market outside the context of the SBE Program, or is the firm's role a superfluous step added in an attempt to obtain credit towards goals? If, in the judgment of the Affirmative Action Division, the SBE firm will not perform a commercially useful function in the transaction, no credit towards goals will be awarded.

The question of whether a firm is performing a commercially useful function is completely separate from the question of whether the firm is an eligible SBE. A firm is eligible if it meets the definitional criteria and ownership and control requirements, as set forth in the City of Madison's SBE Program.

If the City of Madison determines that the SBE firm is performing a commercially useful function, then the City of Madison must then decide what that function is. If the commercially useful function is that of an SBE vendor / supplier that regularly transacts business with the respective product, then the City of Madison will count 60% of the value of the product supplied toward SBE goals.

To be counted, the SBE vendor / supplier must be engaged in selling the product in question to the public. This is important in distinguishing an SBE vendor / supplier, which has a regular trade with a variety of customers, from a firm which performs supplier-like functions on an ad hoc basis or for only one or two contractors with whom it has a special relationship.

A supplier of bulk goods may qualify as an eligible SBE vendor / supplier if it either maintains an inventory or owns or operates distribution equipment. With respect to the distribution equipment; e.g., a fleet of trucks, the term "operates" is intended to cover a situation in which the supplier leases the equipment on a regular basis for its entire business. It is not intended to cover a situation in which the firm simply provides drivers for trucks owned or leased by another party; e.g., a prime contractor, or leases such a party's trucks on an ad hoc basis for a specific job.

If the commercially useful function being performed is not that of a qualified SBE vendor / supplier, but rather that of delivery of products, obtaining bonding or insurance, procurement of personnel, acting as a broker or manufacturer's representative in the procurement of supplies, facilities, or materials, etc., only the fees or commissions will apply towards the goal.

For example, a business that simply transfers title of a product from manufacturer to ultimate purchaser; e. g., a sales representative who re-invoices a steel product from the steel company to the Contractor, or a firm that puts a product into a container for delivery would not be considered a qualified SBE vendor / supplier. The Contractor would not receive credit based on a percentage of the cost of the product for working with such firms.

Concerning the use of services that help the Contractor obtain needed supplies, personnel, materials or equipment to perform a contract: only the fee received by the service provider will be counted toward the goal. For example, use of a SBE sales representative or distributor for a steel company, if performing a commercially useful function at all, would entitle the Contractor receiving the steel to count only the fee paid to the representative or distributor toward the goal. This provision would also govern fees for professional and other services obtained expressly and solely to perform work relating to a specific contract.

Concerning transportation or delivery services: if an SBE trucking company picks up a product from a manufacturer or a qualified vendor / supplier and delivers the product to the Contractor, the commercially useful function it is performing is not that of a supplier, but simply that of a transporter of goods. Unless the trucking company is itself the manufacturer or a qualified vendor / supplier in the product, credit cannot be given based on a percentage of the cost of the product. Rather, credit would be allowed for the cost of the transportation service.

The City is aware that the rule's language does not explicitly mention every kind of business that may contribute work on this project. In administering these programs, the City would, on a case-by-case basis, determine the appropriate counting formula to apply in a particular situation.

2.2 Contract Compliance

Questions concerning the SBE Program shall be directed to the Contract Compliance Officer of the City of Madison Department of Civil Rights, Affirmative Action Division, 210 Martin Luther King, Jr. Blvd., Room 523, Madison, WI 53703; telephone (608) 266-4910.

2.3 Certification of SBE by City of Madison

The Affirmative Action Division maintains a directory of SBEs which are currently certified as such by the City of Madison. Contact the Contract Compliance Officer as indicated in Section 2.2 to receive a copy of the SBE Directory or you may access the SBE Directory online at www.cityofmadison.com/dcr/aaTBDir.cfm.

All contractors, subcontractors, vendors and suppliers seeking SBE status must complete and submit the **Targeted Business Certification Application** to the City of Madison Affirmative Action Division by the time and date established for receipt of bids. A copy of the Targeted Business Certification Application is available by contacting the Contract Compliance Officer at the address and telephone indicated in Section 2.2 or you may access the Targeted Business Certification Application online at www.cityofmadison.com/dcr/aaTBDir.cfm. Submittal of the Targeted Business Certification Application by the time specified does not guarantee that the applicant will be certified as a SBE eligible to be utilized towards meeting the SBE goal for this project.

2.4 Small Business Enterprise Compliance Report

2.4.1 Good Faith Efforts

Bidders shall take all necessary affirmative steps to assure that SBEs are utilized when possible and that the established SBE goal for this project is achieved. A contractor who self performs a portion of the work, and is pre-qualified to perform that category of work, may subcontract that portion of the work, but shall not be required to do so. When a bidder is unable to achieve the established SBE goal, the bidder must demonstrate that a good faith effort to do so was made. Such a good faith effort should include the following:

- 2.4.1.1 Attendance at the pre-bid meeting.
- 2.4.1.2 Using the City of Madison's directory of certified SBEs to identify SBEs from which to solicit bids.
- 2.4.1.3 Assuring that SBEs are solicited whenever they are potential sources.
- 2.4.1.4 Referring prospective SBEs to the City of Madison Affirmative Action Division for certification.
- 2.4.1.5 Dividing total project requirements into smaller tasks and/or quantities, where economically feasible, to permit maximum feasible SBE participation.
- 2.4.1.6 Establishing delivery schedules, where requirements permit, which will encourage participation by SBEs.
- 2.4.1.7 Providing SBEs with specific information regarding the work to be performed.
- 2.4.1.8 Contacting SBEs in advance of the deadline to allow such businesses sufficient time to prepare a bid.
- 2.4.1.9 Utilizing the bid of a qualified and competent SBE when the bid of such a business is deemed reasonable (i.e. 5% above the lowest bidder), although not necessarily low.
- 2.4.1.10 Contacting SBEs which submit a bid, to inquire about the details of the bid and confirm that the scope of the work was interpreted as intended.

2.4.2 Reporting SBE Utilization and Good Faith Efforts

The Small Business Enterprise Compliance Report is to be submitted by the bidder with the bid. This report is due by the specified bid closing time and date. Bids submitted without a completed SBE Compliance Report as outlined below

shall be deemed non-responsible and the bidder ineligible for award of this contract.

2.4.2.1 If the Bidder meets or exceeds the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.1.1 **Cover Page**, Page C-6; and

2.4.2.1.2 **Summary Sheet**, C-7.

2.4.2.2 If the bidder does not meet the goal established for SBE utilization, the Small Business Enterprise Compliance Report shall consist of the following:

2.4.2.2.1 **Cover Page**, Page C-6;

2.4.2.2.2 **Summary Sheet**, C-7; and

2.4.2.2.3 **SBE Contact Report**, C-8 and C-9. (A separate Contact Report must be completed for each applicable SBE which is not utilized.)

2.5 Appeal Procedure

A bidder which does not achieve the established goal and is deemed non-responsible for failure to demonstrate a good faith effort to achieve such goal and subsequently denied eligibility for award of contract may, within 72 hours of receiving such notification, appeal that decision to a special appeals committee composed of three (3) members of the Affirmative Action Commission, three (3) members of the Board of Public Works and a seventh member appointed by the Mayor. All appeals must be made in writing to the City Engineer and received within 72 hours of City of Madison's notice. Postmark not applicable.

2.6 SBE Requirements After Award of the Contract

The successful bidder shall identify SBE subcontractors, suppliers and vendors on the subcontractor list in accordance with the specifications. The Contractor shall submit a detailed explanation of any variances between the listing of SBE subcontractors, vendors and/or suppliers on the subcontractor list and the Contractor's SBE Compliance Report for SBE participation.

No change in SBE subcontractors, vendors and/or suppliers from those SBEs indicated in the SBE Compliance Report will be allowed without prior approval from the Engineer and the Affirmative Action Division. The contractor shall submit in writing to the City of Madison Affirmative Action Division a request to change any SBE citing specific reasons which necessitate such a change. The Affirmative Action Division will use a general test of reasonableness in approving or rejecting the contractor's request for change. If the request is approved, the Contractor will make every effort to utilize another SBE if available.

The City will monitor the project to ensure that the actual percentage commitment to SBE firms is carried out.

2.7 SBE Definition and Eligibility Guidelines

A Small Business Enterprise is a business concern awarded certification by the City of Madison. For the purposes of this program a Small Business Enterprise is defined as:

- A. An independent business operated under a single management. The business may not be a subsidiary of any other business and the stock or ownership may not be held by any individual or any business operating in the same or a similar field. In determining whether an entity qualifies as a SBE, the City shall consider all factors relevant to being an independent business including, but not limited to, the date the business was established, adequacy of its resources for the work in which it proposes to involve itself, the degree to which financial, equipment leasing and other relationships exist with other ineligible firms in the same or similar lines of work. SBE owner(s) shall enjoy the customary incidents of ownership and shall share in the risks and profits commensurate with their enjoyment interests, as demonstrated by an examination of the substance rather than form or arrangements that may be reflected in its ownership documents.
- B. A business that has averaged no more than \$4.0 million in annual gross receipts over the prior three year period and the principal owner(s) do not have a personal net worth in excess of \$1.32 million.

Firm and/or individuals that submit fraudulent documents/testimony may be barred from doing business with the City and/or forfeit existing contracts.

SBE certification is valid for one (1) year unless revoked.

SECTION D: SPECIAL PROVISIONS

WARNER PARK CUNETTE REPLACEMENT CONTRACT NO. 7200

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

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

SECTION 102.10: PREVAILING WAGE

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

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

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

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

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

SECTION 102.12: BEST VALUE CONTRACTING

This Contract shall be considered a Best Value Contract if the Contractor's bid is equal to or greater than \$54,000 for a single trade contract; or equal to or greater than \$264,500 for a multi-trade contract pursuant to MGO 33.07(7).

ARTICLE 104: SCOPE OF WORK

This contract consists of removing and an existing concrete cunette in the southeast corner of Warner Park and replacing it with a stone-lined channel. The stone-lined channel will be slightly wider, and will use 4-inch, crushed limestone for the majority of the channel. At storm sewer outfalls, glacial field stone will be used. Two existing, pedestrian bridges will be salvaged and reset on new, concrete abutments. Additionally, turf grass adjacent to the channel will be removed and replaced with native vegetation.

The Contractor shall view the site prior to bidding to become familiar with the existing conditions. It will be the responsibility of the Contractor to work with the utilities located in the right of way to resolve conflicts during the construction process.

SECTION 105.1: AUTHORITY OF THE ENGINEER

The Engineer shall resolve all questions which arise as to the quality and acceptability of materials furnished, work performed, manner of performance, rate of progress of the work, interpretation of the plans and Specifications, acceptable fulfillment of the contract, compensation, and disputes and mutual

rights between Contractors under the Specifications. The Engineer shall determine the amount and quantity of work performed and materials furnished.

All decisions of the Engineer shall, when so requested, be rendered in writing. They shall be final and conclusive in all matters unless within ten (10) days after such decision the Contractor applies in writing to the Board of Public Works for a review of such decision.

Any change proposed by a Contractor in SBE subcontractors, vendors or suppliers from those SBEs indicated on the SBE Compliance Report must be approved by the Engineer and the City's Manager of the Affirmative Action Division (hereafter, AAD). When requested, such decision shall be rendered in writing. Such decisions shall be final and conclusive in all matters unless within ten (10) days after such decision the Contractor or the affected SBE applies in writing to the Board of Public Works for a review of such decision.

In the event the Engineer and the AAD disagree over the proper decision to be made regarding an SBE, the Mayor shall appoint a third person to resolve the disagreement, within 30 days of appointment. The decision thus rendered may be reviewed by the Board of Public Works upon request of the Contractor or the affected SBE as set forth in Sections 105.1 and 105.2 of the City's standard specifications.

SECTION 105.12: COOPERATION BY THE CONTRACTOR

The Contractor shall coordinate all activities within Warner Park with the City Parks Division. This includes work, site access, and laydown areas. The Contractor shall contact Tom Maglio at (608) 266-6518 or tmaglio@cityofmadison.com with questions and for approval of park use. Mr. Maglio shall review all finish work within Warner Park prior to the Contractor de-mobilizing from the site.

SECTION 107.7: MAINTENANCE OF TRAFFIC

All traffic control shall conform to Part VI of the Federal Highways Administration's "Manual on Uniform Traffic Control Devices" (MUTCD), the State of Wisconsin Standard Facilities Development Manual (including Chapter 16 – Standard Detail Drawings) and the City of Madison Standards for Sidewalk and Bikeway closures.

The Contractor shall submit an acceptable, complete Traffic Control Plan, including all necessary phases and any required sidewalk or bike route closures, to the office of the City Traffic Engineer, at 215 Martin Luther King Jr. Blvd. Suite 100, Madison, WI 53703, a minimum of five (5) working days prior to the pre-construction meeting. The Traffic Control Plan shall address all requirements of this section of the Special Provisions. The Contractor shall not start work on this project until the Traffic Engineering Division has approved a traffic control plan and traffic control devices have been installed in accordance with the approved plan. Failure of the Contractor to obtain an approved Traffic Control Plan, as specified above, may prevent the Contractor from starting work and shall be considered a delay of the project, caused by the Contractor.

The Contractor will be responsible for installing and maintaining traffic control in accordance with the traffic control plan and as directed by the City Traffic Engineer. The Contractor shall install and maintain modifications or additions to the traffic control, as directed by the City Traffic Engineer, at no cost to the City.

The Contractor may access the site from the southeast corner of the Warner Park parking lot. The Contractor will be expected to protect the curb and gutter in this location. However, the contract will provide for removal and replacement of the curb, should it be damaged during construction. The Contractor shall protect the asphalt surface of the parking lot. If the parking lot is damaged during construction, it shall be repaired by the Contractor at no cost to the City.

The Contractor may also enter the site from Trailsway. The Contractor will be expected to protect the curb and gutter in this location. However, the contract will provide for removal and replacement of the curb, should it be damaged during construction. The Contractor shall protect the asphalt surface of

Trailway. If the street is damaged during construction, it shall be repaired by the Contractor at no cost to the City

The Contractor shall maintain all lanes of traffic on N. Sherman Avenue and shall maintain two-way traffic on Trailway.

SECTION 107.13: TREE PROTECTION SPECIFICATIONS

The Contractor is advised to review Section 107.13 of the Standard Specifications for tree protection. Note that Sections 107.13(b) Curb Excavation and Installation, 107.13(c) Sidewalk Excavation and Installation, are not applicable to this project. Other sections are applicable except as provided below.

Only trees marked for removal on the plans shall be removed. It is the intent of this project to save as many trees as possible; therefore, there are trees within the grading limits. It is recognized that grading operations and root cutting may need to occur within 5 feet of these trees in order to complete the work, but care must be taken in these areas. Roots shall be cut cleanly by using a saw, axe, lopping shears, chain saw, stump grinder, or other means which will produce a clean cut. Exposed roots shall be covered as soon as excavation is complete. The Contractor shall not rip or pull roots out towards the trunk of a tree while excavating with a backhoe. The use of a backhoe to cut roots is NOT acceptable. Grading within 5' of the trees within the construction area, if absolutely required, shall be minimized. The Contractor is permitted to slightly alter planned grades in order to minimize tree impacts.

With regard to Section 107.13(f), pruning to accommodate construction equipment invading the tree crown may be done by the Contractor, with advance permission from the Construction Engineer. No pruning will be performed by City Forestry. All pruning shall be done according to ANSI A300 tree pruning specifications. The Contractor shall not prune the group of trees immediately adjacent to the play equipment off Buckingham Lane.

With regard to Section 107.14(g), no equipment or materials will be allowed to be parked on, or piled on areas within 5 feet of a tree. Construction traffic within 5 feet of a tree will be allowed only where necessary to complete grading operations, as described above, at the discretion of the Construction Engineer.

Where noted on the plan set, trees shall be protected. The Contractor shall mark these trees, or place temporary fencing between the work area and tree. Temporary fencing shall be paid separately under Bid Item 90001.

SECTION 108.2: PERMITS

The following permits have been applied for:

1. City of Madison Erosion Control and Storm Water Management Permit – received
2. WI-DNR Storm Water Notice of Intent – New land disturbing construction activity and attachments
3. WI-DNR Waterway Individual Permit for Streambank Erosion Control
4. WI-DNR Waterway General Permit for Clear Span Bridge Over Streams (one permit for each bridge)

It shall be the responsibility of the Contractor to obtain the permits listed below, if required, and to pay all applicable charges and fees associated with these permits.

1. Wisconsin DNR Dewatering

All permit costs shall be considered incidental to the Mobilization bid item for the Contract.

The Contractor shall meet the conditions of all permits and must keep a copy of each individual permit on site at all times throughout construction.

The Contractor shall meet the conditions of the permits including properly installing and maintaining the erosion control measures shown on the plans, specified in these Special Provisions, or as directed by the Construction Engineer or his designees. This work will be paid for under the appropriate bid items, or if appropriate items are not included in the contract, they shall be paid for as Extra Work.

The City's obtaining these permits is not intended to be exhaustive of all permits that may be required to be obtained by the Contractor for construction of this project. It shall be the responsibility of the Contractor to identify and obtain any other permits needed for construction.

SECTION 109.2: PROSECUTION OF WORK

The Contractor shall begin work on or before **October 6, 2014**. The contract completion date shall be **May 14, 2015**. This completion date accounts for normal weather conditions. The prolonged completion date is intended to provide the Contractor ample scheduling opportunity and is not intended to reflect the difficulty of the project. The Contractor will be expected to work continuously, once work has begun, or provide a detailed phasing plan prior to start of work. The phasing plan shall account for any winter shut-downs that may be expected, including providing erosion control measures during the shut-down. Only one mobilization will be paid regardless of any winter shut-down.

Work shall begin only after the start work letter is received. The Contractor shall limit workdays from 7:00 am to 7:00 pm, unless approved by the Engineer in writing.

BID ITEM 10911 - MOBILIZATION

DESCRIPTION

This item shall include all work necessary to mobilize and de-mobilize all equipment, personnel, materials, and incidentals to and from the site for the duration of work.

This bid item shall include all work, materials, equipment, and incidentals necessary to provide site access for the duration of the project, with the exception of Construction Entrances and replacement of curb and gutter, which shall be paid under the appropriate bid items. The Contractor is permitted to access the site from Warner Park parking lot and Trailsway. Any access routes or other access methods shall be constructed and removed as part of this bid item. This shall include labor and materials necessary for finish grading, topsoiling, seeding, and placing erosion control matting in any areas outside of the grading limits as shown in the plan set.

If work begins on October 6, 2014, it is anticipated that the project could be completed prior to snowfall in early December. However, starting work later is an option for the Contractor. If the Contractor plans to work during or through the winter months, they shall submit for approval a detailed phasing plan. The phasing plan shall include approximate dates of all work, any anticipated winter shut-downs, erosion control measures to be implemented during any shut-downs, and an emergency plan to be implemented if large snow storms are predicted. All work, equipment, materials, and incidentals necessary to prepare and implement the phasing plan shall be considered incidental to this bid item.

Mobilization shall only be paid once.

METHOD OF MEASUREMENT

Mobilization shall be paid as a Lump Sum for all work described above and in Section 109.14 of the Standard Specifications. Only one Mobilization shall be paid regardless of any winter shut-down.

BASIS OF PAYMENT

Mobilization shall be measured as described above which shall be full compensation for all work, materials, and incidentals to complete the work as described above.

BID ITEM 20201 - EXCAVATION CUT

DESCRIPTION

Excavation Cut shall include all excavation from within the limits shown on the plans and cross sections. The Contractor shall be responsible for determining a suitable off-site disposal location for excess excavated materials that are deemed unusable as fill on site, for hauling unsuitable material from the site, and for placement at the disposal site.

This bid item includes excavation required to construct the stone and riprap channel, shaping and grading the banks adjacent to the channel, and construction of the bioretention basins as shown on the plan set. This bid item does not include removal of the existing concrete; that work shall be paid under the appropriate bid item. This bid item include the removal of any sediment overburden within the concrete channel.

Suitable materials may be reused as fill within the project limits. The work involved with placement of suitable fill obtained on site through excavation cut shall be considered subsidiary to work pertaining to excavation cut. Stockpiling these fill materials and final grading shall be considered incidental to this bid item and shall not be compensated separately.

Any undercut or excavation directed by the Engineer beyond the limits shown on the plans shall be measured in the field and paid for as Excavation Cut.

Estimated Excavation and fill quantities are as follows:

Excavation	2755 cy
Fill	133 cy

No bulking/expansion or shrink factors were used when determining earthworks quantities for this project. No adjustments have been made to above quantities for topsoil. In cut sections or at-grade sections, if over-excavation is required to place adequate topsoil thickness, over-excavation shall be considered to be incidental to Bid Item 20221 – Topsoil.

METHOD OF MEASUREMENT

Excavation Cut within the limits shown on the plans and cross sections will be paid for based on the "plan quantity" without measurement thereof, plus actual undercut quantities measured in the field. The plan quantity was computed by average end area based on cross sections. No changes to this quantity shall be approved unless there are modifications to the plan that result in significant (>10%) change in quantity up or down.

BASIS OF PAYMENT

Excavation Cut shall be paid for at the contract price for work as described and measured above which shall be full compensation for all labor, tools, equipment, and incidentals necessary to complete this item of work.

BID ITEM 20202 - FILL BORROW

DESCRIPTION

This item shall only be used in the event that materials resulting from excavation cut are insufficient or unacceptable and fill borrow is required. This item includes placement of imported fill material at the locations as directed by the Construction Engineer. Materials used for imported fill shall meet the requirements of the Standard Specifications Section 202.2(a) Fill, with the additional requirement that fill material shall be a clayey material, as approved by the Construction Engineer.

It is not anticipated that this bid item will be necessary. The City reserves the right to eliminate this bid item at no cost to the City.

METHOD OF MEASUREMENT

Fill Borrow will be measured by the Cubic Yard of fill imported to the site. Measurement shall be made per truck yards of imported fill.

BASIS OF PAYMENT

Fill Borrow shall be paid at the contract price for work as described and measured above, which shall be full compensation for all material, labor, tools, equipment and incidentals necessary to complete this item of work.

BID ITEM 20221 - TOPSOIL

DESCRIPTION

Work under this item shall include placement of topsoil within the grading limits shown on the drawings or as directed by the Engineer in the field, in accordance with Section 202 of the Standard Specifications. Topsoil shall be placed four (4) inches thick per the Standard Specifications. Topsoil materials and placement shall be in accordance with Article 202 – Fill.

Salvaged topsoil from on site may be reused, provided it meets the Standard Specifications. In some areas the existing topsoil thickness may be adequate and no additional topsoil may be required, however scarifying of the existing, or in place, topsoil shall be completed prior to seeding and shall be considered incidental to this bid item.

It is not anticipated that topsoil placement will be required in areas of sod removal. In these areas, it is anticipated that the Contractor may remove the sod, scarify the soil, and place seed directly on the exposed soil. This work shall be completed under Bid Item 90002.

Stripping and stockpiling of topsoil for reuse on site shall be considered incidental to this bid item. Stockpiles shall be protected with silt fence to prevent erosion of the stockpile.

METHOD OF MEASUREMENT

Topsoil within the limits shown on the plans shall be paid based on the "plan quantity" as shown in the contract without measurement thereof. The plan quantity was computed by measuring the seeding limits, outside of the channels and access roads. No changes to this quantity shall be approved unless there are modifications to the plan that result in significant (>10%) change in quantity up or down.

BASIS OF PAYMENT

Topsoil shall be paid at the contract price for work as described and measured above, which shall be full compensation for all labor, tools, equipment, and incidentals necessary to complete this item of work, including segregating, stockpiling, and preparing salvaged topsoil, furnishing topsoil from off-site as needed, placing, grading and raking finished surfaces.

BID ITEM 20233 – HEAVY RIPRAP FILTER FABRIC, TYPE HR

DESCRIPTION

This item shall include furnishing and placing Heavy Riprap Filter Fabric at all locations required for the project. Heavy Riprap Filter Fabric material and placement shall be as described in Section 202 of the Standard Specifications. Fabric shall conform to requirements for Geotextile Fabric Type HR contained in the latest edition of the Standard Specifications for Highway and Structure Construction for the State of

Wisconsin, Department of Transportation. Fabric shall be synthetic, non-woven needle punched fabric that is resistant to chemicals and mildew, stable under freeze-thaw cycles, does not shrink or expand under wet conditions, and that does not unravel during use.

Placement of filter fabric shall conform to manufacturer's requirements to assure a continuous layer unbroken by rips, tears, punctures, or other physical damage from placement of the fabric or placement of materials over the fabric.

METHOD OF MEASUREMENT

Heavy Riprap Filter Fabric shall be measured by the Square Yard, according to the yardage provided in each roll. The total yardage shall be measured by multiplying the number of complete rolls used by the yardage of each roll. The last roll, if partially used, shall be paid, but the remainder of the roll shall be delivered by the Contractor to the Engineering Service Building on Emil Street.

The quantity on the proposal page was calculated using the cross sections, and includes a 10% allowance for overlap and waste.

BID ITEM 20401 - CLEARING

DESCRIPTION

Work under this item shall include removal of trees indicated on the plans for removal, or as marked in the field. Tree sizes noted on the plans are approximate. Any questions or concerns about the removal of particular trees shall be brought promptly to the attention of the Engineer. Clearing shall be as described in the Standard Specifications except as noted below.

All clearing shall be done by sawing trees near the ground line. Under no circumstances is the Contractor permitted to pull trees from the ground or use methods which will significantly disturb existing root systems. Grubbing shall be paid separately under Bid Item 20403.

The Contractor shall remove all cut material.

METHOD OF MEASUREMENT

Clearing will be measured per Inch Diameter, as set forth in the Standard Specifications.

BASIS OF PAYMENT

The contract unit price for Clearing per inch diameter shall be payment in full for furnishing all labor and equipment for all clearing actually performed, and for the handling and disposal of all debris resulting from clearing and grubbing.

BID ITEM 20403 - GRUBBING

DESCRIPTION

Work under this item shall include grubbing stumps following removal of trees indicated on the plans for removal. Tree sizes noted on the plans are approximate.

Fill required to backfill holes where stumps are removed shall be considered incidental to this bid item.

METHOD OF MEASUREMENT

Grubbing will be measured per Inch Diameter, as set forth in the Standard Specifications.

BASIS OF PAYMENT

The contract unit price for Grubbing per inch diameter shall be payment in full for furnishing all labor and equipment for all grubbing activities performed, and for the handling and disposal of all debris resulting from clearing and grubbing.

BID ITEM 20705 – DETENTION BASIN SEEDING

DESCRIPTION

Work under this item shall include all labor, equipment, materials and incidentals necessary to seed the banks of the channel along Trailsway, excluding the channel and bioretention basins. Work shall be completed in accordance with Article 207 of the Standard Specifications. After seeding is completed, the disturbed areas shall be stabilized with Erosion Matting, Class II, Type A – Organic. Matting shall be paid separately under Bid Item 21071.

This seed shall contain a cover crop in accordance with Article 207.3(b) of the Standard Specifications. Cover crops, fertilizer, and polymer shall be applied per the Standard Specifications and are incidental to this bid item.

METHOD OF MEASUREMENT

Detention Basin Seeding within the limits shown on the plans shall be paid for based on the "plan quantity" as shown in the contract without measurement thereof. The plan quantity was computed by measuring the seeding limits outside of the cunette and bioretention basins. No changes to this quantity shall be approved unless there are modifications to the plan that result in significant (>10%) change in quantity up or down.

BASIS OF PAYMENT

Detention Basin Seeding shall be measured as described above and shall be paid for at the contract unit price, which shall be full compensation for provision, storing, placement, and fertilization of the seed mix.

BID ITEM 20706 – TALL GRASS PRAIRIE SEEDING

DESCRIPTION

Work under this item shall include all labor, equipment, materials and incidentals necessary to seed the banks of the channel along N. Sherman Avenue, excluding the channel. Work shall be completed in accordance with Article 207 of the Standard Specifications. After seeding is completed, the disturbed areas shall be stabilized with Erosion Matting, Class II, Type A – Organic. Matting shall be paid separately under Bid Item 21071.

This seed shall contain a cover crop in accordance with Article 207.3(b) of the Standard Specifications. Cover crops, fertilizer, and polymer shall be applied per the Standard Specifications and are incidental to this bid item.

METHOD OF MEASUREMENT

Tall Grass Prairie Seeding within the limits shown on the plans shall be paid for based on the "plan quantity" as shown in the contract without measurement thereof. The plan quantity was computed by measuring the grading limits outside of the cunette. No changes to this quantity shall be approved unless there are modifications to the plan that result in significant (>10%) change in quantity up or down.

BASIS OF PAYMENT

Tall Grass Prairie Seeding shall be measured as described above and shall be paid for at the contract unit price, which shall be full compensation for provision, storing, placement, and fertilization of the seed mix.

BID ITEM 90001 - TEMPORARY FENCING

DESCRIPTION

This item includes installation of temporary construction fencing at the locations shown on the drawing, or as directed by the Construction Engineer. The intent of this item is to delineate the area to which contractor shall confine his or her operations, to protect trees, and to direct the public away from construction areas. Minor relocation of fencing may be required as the work progresses. No extra payment shall be made for temporarily opening and re-closing the fence, or minor relocation of the fencing as needed to perform the work.

Construction fencing shall be International Orange color, high-density polyethylene mesh conforming to the following:

- Mesh opening: 1 inch min to 3 inch max
- Height: 4 feet
- Ultimate tensile strength: Avg 3000 lb per 4' width (ASTM D638)

Posts shall be conventional metal "T" or "U" shaped posts. Fencing shall be installed according to the manufacturer's recommendations.

METHOD OF MEASUREMENT

Temporary Fencing shall be measured by the Linear Foot installed.

BASIS OF PAYMENT

Cost for Temporary Fencing shall be paid for according to the contract unit price. Price shall include payment for providing and installing temporary fence and appurtenances, maintenance of fencing as required, creating and closing temporary openings as needed, and removal of fencing and appurtenances, including furnishing all labor, tools, equipment, and incidentals necessary to perform the work.

BID ITEM 90002 – SOD REMOVAL

DESCRIPTION

Work under this bid item shall include all labor, materials, equipment, and incidentals necessary to remove sod outside of the grading limits, but within the seeding limits, as shown on the plan set. The purpose of this bid item is to remove the existing turf grass so that native vegetation can be re-established adjacent to the channel. In most locations, this includes removing sod beyond the grading limits.

The sod shall be treated with herbicide by a licensed applicator and in accordance with the manufacturer's instructions and the City of Madison Policy Regarding Pest Management on City Property (attached to this Scope of Services). The Contractor shall submit documentation of the type of herbicide, along with the MSDS, to the Engineer prior to application. Herbicides containing Triclopyr, or Glyphosphate, or similar chemicals are recommended. Herbicides containing Picloram will not be approved. The sod shall be treated in October 2014, regardless of when construction on the channel will

begin. The dead sod shall remain in place until channel grading begins in the immediate area of the sod to be removed.

When preparing to seed the areas outside of the grading limits, the Contractor shall scrape the sod to bare soil. It is anticipated that sufficient topsoil will be present beneath the sod. The Contractor shall scarify the existing soil and place the appropriate seed mix shown in the plan set.

The Contractor shall remove the sod layer from the site; it shall not be used a fill or topsoil at other locations.

METHOD OF MEASUREMENT

Sod Removal within the limits shown on the plans shall be paid based on the "plan quantity" as shown in the contract without measurement thereof. The plan quantity was computed by measuring the seeding limits, outside of the grading limits. No changes to this quantity shall be approved unless there are modifications to the plan that result in significant (>10%) change in quantity up or down.

BASIS OF PAYMENT

Sod Removal will be paid for at the contract sum price, which shall be full compensation for treating sod with herbicide, scraping the surface to bare soil, and scarifying the surface in preparation for seed.

BID ITEM 90003 - REMOVE CONCRETE CUNETTE

DESCRIPTION

Work under this item shall include removal of the existing cunette within Warner Park, the limits of which are shown the plan set. The existing concrete cunette has an estimated thickness of 8". This item shall also include removal of all concrete aprons at existing outfalls. The removal of concrete retaining walls, both at the upstream outfall and along the corner at the N. Sherman Avenue and Trailsway intersection, shall be paid separately, under the appropriate bid item.

Work shall include removal of the cunette, stockpiling as needed, hauling away all concrete, and disposal of the concrete. The Contractor shall be responsible for determining a suitable off-site disposal location.

The Contractor shall phase concrete removal with construction of the new concrete cunette, so as not to leave unprotected sections of the channel. Concrete removal shall occur in conjunction with the placement of 4-inch limestone or riprap.

METHOD OF MEASUREMENT

Remove Existing Cunette shall be paid by the Square Yard of concrete removed.

BASIS OF PAYMENT

Remove Existing Cunette shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for sawcutting, removing, stockpiling as needed, hauling, and disposal of the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90004 - REMOVE CONCRETE RETAINING WALL

DESCRIPTION

Work under this item shall include removal of the concrete retaining walls within Warner Park, the limits of which are shown the plan set. The concrete retaining walls are approximately 12-inches thick and are presumed to have a spread footer approximately 4-feet wide and 1.5-feet thick. It can be assumed that

the footer is 3-4 feet below ground surface. It can also be assumed that the retaining walls have two layers of steel.

Work shall include removal of the walls and subsurface features, hauling away of the concrete, and disposal of the concrete. The Contractor shall be responsible for determining a suitable off-site disposal location.

The Contractor shall remove the retaining walls in conjunction the regrading the channel adjacent to the walls.

METHOD OF MEASUREMENT

Remove Concrete Retaining Wall shall be paid by the Linear Foot of concrete wall removed.

BASIS OF PAYMENT

Remove Concrete Retaining Wall shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for sawcutting, removing, stockpiling as needed, hauling, and disposal of the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90005 – REMOVE WOOD BRIDGE ABUTMENT

DESCRIPTION

Work under this bid item shall include all labor, equipment, materials, and incidentals necessary to completely remove the existing, wood bridge abutments. It is unknown what, if any footings are present. The Contractor shall be prepared to remove spread concrete footings with dimensions of approximately 10-feet long, 4-feet wide, and 1.5-feet thick. The Contractor shall be responsible for the removal and disposal of all footing components.

METHOD OF MEASUREMENT

Remove Wood Bridge Abutment shall be paid by Each footing removed in the field. Hauling and disposal of all footing materials shall be included in this bid item.

BASIS OF PAYMENT

Remove Wood Bridge Abutment shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for removing, storing, and replacing each bridge, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90006 – SALVAGE AND RESET BRIDGE

DESCRIPTION

Work under this bid item shall include all labor, equipment, materials, and incidentals necessary to salvage the two existing bridges and reset them on new abutments. Removal of the existing, wood abutments and construction of new, concrete abutments shall be paid separately.

The bridges shall be removed in their original, prefabricated sections, which is likely one piece. The Contractor shall not cut, pry, or bend welds or steel segments to remove the bridge from the existing abutments. The bridge shall be stored in a manner which will prevent it from being damaged until it can be placed on the new abutments. If the Contractor chooses to store the bridges within the park, they shall receive approval from the Parks Division for the storage location.

This Contractor shall set the bridges on the newly constructed, concrete abutments in accordance with the details on Sheets D-2 and D-3. The Contractor shall reset the bridges in a manner that does not damage the structure or new abutment, and at an appropriate phase, so as not to be damaged by subsequent work.

The Contractor may remove and store the decking. The decking shall be replaced after the bridge is reset. It is anticipated that all existing decking will be reused. If the decking or bridge are damaged during storage, they shall be replaced at no cost to the City.

METHOD OF MEASUREMENT

Salvage and Reset Bridge shall be measured per Each bridge.

BASIS OF PAYMENT

Salvage and Reset Bridge shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for removing, storing, and replacing each bridge, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90007 – CONCRETE BRIDGE ABUTMENT – STATION 9+35

DESCRIPTION

Work under this bid item shall include all labor, equipment, materials and incidentals necessary to construct the concrete bridge abutments as shown on the plan set. The abutments shall be constructed to the dimensions, details, and grades shown on Sheets D-2 and D-3.

MATERIALS

CONCRETE

Concrete used in the construction of the bridge abutments shall comply with Section 3 of the Standard Specifications. It is anticipated that approximately 10 cubic yards of concrete will be required for each abutment. Construction methods shall be in accordance with the Standard Specifications.

Construction joints shall be placed between the footer and wall section, and between the wall section and paving block. An 18-inch wide, rubberized, water-proofing membrane shall be placed along all buried construction joints including the front-face and back-face of the footer-wall joint, and the back-face of the wall-paving block joint.

STEEL

All reinforcing steel shall be provided at the lengths and dimensions shown in the Bill of Bars. Reinforcing steel shall be non-coated and comply with Section 3 of the Standard Specifications.

BEARING PAD

The Contractor shall furnish lead in sheet form conforming to ASTM B29. The lead sheets shall be of uniform thickness throughout, free from cracks, seams, slivers, scale, and other surface defects. The sheet lead shall be 1/8-inch thick with a tolerance of +/- 1/32 inches. The Contractor shall ensure that the length and width are within 1/8 inch of the plan dimensions.

ANCHOR BOLTS

The Contractor shall provide and install two 3/4-inch diameter concrete mechanical anchors per bearing assembly. The anchors shall be embedded into the abutment a minimum of 3 inches and shall have a minimum pullout capacity of 6 Kips.

Each anchor shall be secured with two nuts and one washer. The nuts on one end of the bridge shall have the bottom nut finger tightened and the top nut tight. At the other end of the bridge, both nuts shall be tight.

SUB-BASE MATERIAL

The abutment footers to be constructed at Station 9+35 shall be underlain with a 6-inch layer of compacted, 1-inch, clear stone.

UNDERDRAIN

The Contractor shall furnish and install 6-inch, wrapped, PVC underdrain behind each abutment. The underdrain shall be daylighted to the channel and shall be fitted with a rodent guard as shown on Sheet D-3.

METHOD OF MEASUREMENT

Concrete Bridge Abutment – Station 9+35 shall be measured by Each abutment constructed in the field for the bridge placement at Station 9+35. Two abutments will be necessary.

BASIS OF PAYMENT

Concrete Bridge Abutment – Station 9+35 shall be measured as described above and according to the unit price. This shall be full compensation for construction of the bridge abutment as described in the plan set, including excavation for the footer, provision and placement of sub-grade material; provision and placement of steel reinforcing; provision and placement of concrete; provision and placement of the anchor bolts, nuts, and washers; provision and placement of 6-inch, filter wrapped underdrain and rodent shields; and provision and placement of rubberized water-proofing membrane over all construction joints.

BID ITEM 90008 – CONCRETE BRIDGE ABUTMENT – STATION 15+58

DESCRIPTION

Work under this bid item shall include all labor, equipment, materials and incidentals necessary to construct the concrete bridge abutments as shown on the plan set. The abutments shall be constructed to the dimensions, details, and grades shown on Sheets D-2 and D-3.

MATERIALS

CONCRETE

Concrete used in the construction of the bridge abutments shall comply with Section 3 of the Standard Specifications. It is anticipated that approximately 10 cubic yards of concrete will be required for each abutment. Construction methods shall be in accordance with the Standard Specifications.

Construction joints shall be placed between the footer and wall section, and between the wall section and paving block. An 18-inch wide, rubberized, water-proofing membrane shall be placed along all buried construction joints including the front-face and back-face of the footer-wall joint, and the back-face of the wall-paving block joint.

STEEL

All reinforcing steel shall be provided at the lengths and dimensions shown in the Bill of Bars. Reinforcing steel shall be non-coated and comply with Section 3 of the Standard Specifications.

BEARING PAD

The Contractor shall furnish lead in sheet form conforming to ASTM B29. The lead sheets shall be of uniform thickness throughout, free from cracks, seams, slivers, scale, and other surface defects. The sheet lead shall be 1/8-inch thick with a tolerance of +/- 1/32 inches. The Contractor shall ensure that the length and width are within 1/8 inch of the plan dimensions.

ANCHOR BOLTS

The Contractor shall provide and install two ¾-inch diameter concrete mechanical anchors per bearing assembly. The anchors shall be embedded into the abutment a minimum of 3 inches and shall have a minimum pullout capacity of 6 Kips.

Each anchor shall be secured with two nuts and one washer. The nuts on one end of the bridge shall have the bottom nut finger tightened and the top nut tight. At the other end of the bridge, both nuts shall be tight.

SUB-BASE MATERIAL

The abutment footers to be constructed at Station 15+58 shall be underlain with 2 feet of well-compacted, granular backfill. Provision and placement of this backfill shall be considered incidental to this bid item. The undercut necessary to place this fill shall be considered incidental to this bid item. Dewatering may be required to place this fill.

UNDERDRAIN

The Contractor shall furnish and install 6-inch, wrapped, PVC underdrain behind each abutment. The underdrain shall be daylighted to the channel and shall be fitted with a rodent guard as shown on Sheet D-3.

METHOD OF MEASUREMENT

Concrete Bridge Abutment – Station 15+58 shall be measured by Each abutment constructed in the field for the bridge placement at Station 15+58. Two abutments will be necessary.

BASIS OF PAYMENT

Concrete Bridge Abutment – Station 15+58 shall be measured as described above and according to the unit price. This shall be full compensation for construction of the bridge abutment as described in the plan set, including excavation for the footer, provision and placement of sub-grade material; provision and placement of steel reinforcing; provision and placement of concrete; provision and placement of the anchor bolts, nuts, and washers; provision and placement of 6-inch, filter wrapped underdrain and rodent shields; and provision and placement of rubberized water-proofing membrane over all construction joints.

BID ITEM 90009 – ASPHALT REPAIR

DESCRIPTION

Work under this bid item shall include all labor, materials, equipment, and incidental necessary to repair the asphalt path leading to and from the pedestrian bridge at Station 15+58. The Contractor shall sawcut the existing pavement at the grading limits and remove the asphalt between the sawcut and bridge. The Contractor shall properly dispose of the removed asphalt.

After grading the approaches to the bridge, the Contractor shall import, place, and compact 6 inches of crushed aggregate base course. Three inches of HMA Pavement Type E-0.3 shall be imported and placed in accordance with Section 4 of the Standard Specifications. Compaction with a hand compacter will be acceptable for this repair.

Path dimensions shall match the existing path. Approximately 0.4 tons of asphalt is estimated for this repair.

METHOD OF MEASUREMENT

Asphalt Repair shall be measured per Square Yards of asphalt repair made in the field.

BASIS OF PAYMENT

Asphalt Repair shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for sawcutting and removing existing asphalt, importing and placing 6 inches of crushed aggregate base course, and importing and placing 3 inches of HMA Pavement Type E-0.3.

BID ITEM 90030 – STORM CONTROL

DESCRIPTION

Work under this item shall include all work, materials, equipment, and incidentals required to control wet and dry weather flow in the channel where the work is to be completed. The Contractor should expect that low flows could be present during dry weather; however, the channel can be expected to fill rapidly during rain events. The project area shall be expected to flood regularly.

The Contractor shall take all necessary steps to protect the new structures and channels from damage during construction and to accommodate the existing flows during construction.

This item includes all storm control necessary for all aspects of the Construction. This item is not for control of groundwater.

METHOD OF MEASUREMENT

Storm Control shall be measured as a single Lump Sum for all storm control necessary throughout construction.

BASIS OF PAYMENT

Storm Control will be paid for at the contract sum price, which shall be full compensation for all work as provided in the description.

BID ITEM 90031 – TEMPORARY DITCH CHECK

DESCRIPTION

Work under this item shall include installation of Temporary Ditch Checks for erosion control as shown on and described in the Erosion Control Plans, as required for erosion control and at locations as approved or as directed by the Construction Engineer. Riprap, filter fabric, and clear stone required to construct the ditch checks shall be paid separately as bid items 90033, 20233, 20217, respectively.

METHOD OF MEASUREMENT

Temporary Ditch Check shall be measured by Each complete unit installed, maintained, and removed in the field.

BASIS OF PAYMENT

Temporary Ditch Check shall be measured as described above and shall be paid for at the contract price which shall be full compensation for all work, equipment, labor, and incidentals required to complete the work as set forth in the description and for maintenance of the Temporary Ditch Check as needed.

BID ITEM 90032- CRUSHED LIMESTONE – 4”MINUS

DESCRIPTION

Work under this bid item shall include furnishing and installing 4-inch crushed limestone in the locations and to the dimensions shown in the plan set. The stone provided shall be 4-inches or less and may contain a gradation of sizes.

The Contractor shall provide documentation from the quarry proving that all limestone provided meets the Wisconsin Department of Transportation criteria for aggregate used in High Performance Concrete Structures. Their criteria states that Los Angeles wear testing conforms to AASHTO T 96, soundness testing conforms to AASHTO T 104 using 5 cycles in sodium sulfate solution on aggregate retained on the No. 4 sieve, and freeze-thaw soundness testing conforms to AASHTO T 103. **The percent wear must not exceed 35, the weighted soundness loss must not exceed 6 percent, and the weighted freeze-thaw average loss must not exceed 12 percent.**

4-Inch Crushed Limestone shall be placed on filter fabric, paid separately as Item 20233 (Riprap Filter Fabric, Type HR).

METHOD OF MEASUREMENT

4-Inch Crushed Limestone shall be measured by the Ton in place. All tickets shall be presented to the City representative on the project within twenty-four (24) hours after delivery of the materials to the project.

BASIS OF PAYMENT

4-Inch Crushed Limestone shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for furnishing, hauling, stockpiling as needed, and placing the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90033- MEDIUM RIPRAP – GLACIAL FIELD STONE

DESCRIPTION

Work under this bid item shall include furnishing and installing Medium Riprap in accordance with Section 202 of the Standard Specifications, except that the riprap shall meet the requirements for Medium Riprap cited in Section 606 of the latest edition of the Standard Specifications for Highway and Structure Construction by the State of Wisconsin Department of Transportation, and riprap shall consist of durable, non-sedimentary, field stone that is resistant to freeze-thaw degradation. Limestone riprap will not be accepted. Riprap shall be placed a minimum of 2-ft thick, to the lines and grades shown on the drawings. The Contractor shall limit channel disturbance to that which can be restored in a day.

Riprap shall be placed on filter fabric, paid separately as Item 20233 (Riprap Filter Fabric, Type HR).

METHOD OF MEASUREMENT

Medium Riprap shall be measured by the Ton in place. All tickets shall be presented to the City representative on the project within twenty-four (24) hours after delivery of the materials to the project.

BASIS OF PAYMENT

Medium Riprap shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for furnishing, hauling, stockpiling as needed, and placing the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90034 - HEAVY RIPRAP – GLACIAL FIELD STONE

DESCRIPTION

Work under this bid item shall include furnishing and installing Heavy Riprap in accordance with Section 202 of the Standard Specifications, except that the riprap shall meet the requirements for Heavy Riprap cited in Section 606 of the latest edition of the Standard Specifications for Highway and Structure Construction by the State of Wisconsin Department of Transportation, and riprap shall consist of durable, non-sedimentary, field stone that is resistant to freeze-thaw degradation. Limestone riprap will not be accepted. Riprap shall be placed a minimum of 2.5-ft thick, to the lines and grades shown on the drawings. The Contractor shall limit channel disturbance to that which can be restored in a day.

Riprap shall be placed on filter fabric, paid separately as Item 20233 (Riprap Filter Fabric, Type HR).

METHOD OF MEASUREMENT

Heavy Riprap shall be measured by the Ton in place. All tickets shall be presented to the City representative on the project within twenty-four (24) hours after delivery of the materials to the project.

BASIS OF PAYMENT

Heavy Riprap shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for furnishing, hauling, stockpiling as needed, and placing the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

BID ITEM 90035 - FIELD BEND

DESCRIPTION

Where shown on the drawings, the Contractor shall provide RCP field bends where shown on the plan set. The field bends will be installed on 30-inch and 36-inch diameter pipe. The field-poured bend shall be reinforced with welded wire fabric and shall utilize fiber reinforced concrete in the concrete collar itself. The interior or the joint shall be finished smooth to match the interior of adjoining surfaces.

METHOD OF MEASUREMENT

Field Bend shall be measured by Each complete bend installed in the field. Individual or multiple precast bend sections that are assembled to provide the total angle required will be measured for payment as a single precast bend.

BASIS OF PAYMENT

Field Bend shall be paid for according to the unit price bid. Price bid shall include all materials, labor and equipment necessary for a complete installation as specified in the description.

BID ITEM 90036 – ENGINEERED FILL

DESCRIPTION

This bid item is intended to compensate the Contractor for provision and installation of Engineered Fill within the bioretention basins as shown on the plan set. Quantities of Excavation Cut, Geotextile Fabric Type SAS Non Woven, and Erosion Matting Class II Type A – Organic, required for construction of the basins shall be paid under the appropriate bid items.

Engineered Fill shall consist of a mixture of Sand, compost, and topsoil. The mix shall be designed to approximate the following percentages, by volume. The mix shall be free of rocks, stumps, roots, brush, or

other material over 1-inch in diameter. No other materials shall be mixed with the planting soil that may be harmful to plant growth or prove a hindrance to planting or maintenance.

Engineered Soil Component	Percent Composition by Volume
Sand	45-55%
Topsoil	10-15%
Compost	30-50%

MATERIALS

SAND

The sand used in the Engineered Fill shall meet the following gradation requirements:

- Crushed and screened sandstone
- 100% passing #4 sieve
- Maximum of 5% passing #200 sieve

TOPSOIL

The topsoil component shall be USDA classified sandy loam, loamy sand, or loam texture. The topsoil component textural class shall be verified by a laboratory analysis or a professional acceptable to the jurisdiction having authority. The topsoil shall be pulverized prior to mixing with the other material. No soil particle size over 1-inch diameter shall be accepted and will require removal of all material from the site and a new mix being provided.

COMPOST

The compost component shall meet the following requirements:

- 98% of the compost shall pass through a 0.75-inch screen
- Less than 1% combined glass, metal, and plastic
- Minimum of 40% organic matter; Maximum 60% ash content
- Carbon to Nitrogen ration of 10-20:1 C:N
- pH between 6 and 8
- Electrical conductivity below 10 dS m⁻¹ (mmhos cm⁻¹)
- Moisture content between 35% and 55% by weight
- The compost shall be resistant to further decomposition and free copounds, such as ammonia and organic acids, in concentrations toxic to plant growth
- Pathogens and noxious seeds shall be minimized
- The compost shall meet the Class A requirements for pathogens as specified in s. NR 204.07(6)(a), Wis. Adm. Code
- The compost shall meet the high quality pollutant concentrations as specified in s. NR 204.07(5)(c), Wis. Adm. Code

METHOD OF MEASUREMENT

Engineered Fill shall be measured by each Cubic Yard of material imported to the site and placed in accordance with the plan set.

BASIS OF PAYMENT

Engineered Fill shall be measured as described above and shall be paid for at the contract unit price, which shall be considered full compensation for furnishing, hauling, stockpiling as needed, and placing the material, including all equipment, tools, labor and incidentals necessary to complete the work as set forth in the description.

CGC, Inc.

Construction • Geotechnical
Consulting Engineering/Testing

July 14, 2014
C14051-9

Ms. Sally Swenson
City of Madison - Engineering Division
City County Building
210 MLK Jr. Blvd., Room 115
Madison, WI 53704

Re: Geotechnical Exploration Report
Proposed Pedestrian Bridges
Warner Park
Trailsway Street and North Sherman Avenue
Madison, Wisconsin

Dear Ms. Swenson:

Construction • Geotechnical Consultants, Inc. (CGC) has completed the geotechnical exploration program for the proposed pedestrian bridges. The purpose of this exploration program was to evaluate the subsurface conditions at the proposed structures and to provide geotechnical recommendations regarding foundation design and construction. We are sending you an electronic paper copy of this report and can provide a paper copy upon request.

PROJECT AND SITE DESCRIPTION

We understand that two pedestrian bridges that span over a concrete-lined drainage ditch in the southeast portion of Warner Park are being replaced with new bridges. We understand that the lightly-loaded bridges will be supported on spread footing foundations.

The western bridge site is just east of an existing pedestrian bridge, which is north of Trailsway Street on the east side of the T-intersection with Calypso Road. This area is primarily grass lawn with scattered large trees and site grades that generally slope down gently towards the drainage ditch. The eastern bridge site is located north of an existing bridge on the west side of North Sherman Avenue near the T-intersection with Windom Way. This site is also primarily grass lawn that slopes down gently from west to east and more steeply from east to west towards the drainage ditch.

SUBSURFACE CONDITIONS

Subsurface conditions on site were explored by drilling four Standard Penetration Test (SPT) soil borings to planned depths of 20 ft below existing site grades. The borings were located in the field by CGC at locations selected by the City of Madison. The borings were drilled on July 1, 2014 by Badger State Drilling (under subcontract to CGC) using an ATV-mounted CME-750 rotary drill rig equipped with



Ms. Sally Swenson
City of Madison - Engineering Division
July 14, 2014
Page 2

hollow-stem augers and an automatic SPT hammer. Specific details on the drilling and sampling procedures are included in Appendix A. Ground surface elevations at the boring locations were estimated using topographic information from Dane County DCiMap, and the elevations should therefore be considered approximate (+/- 1 ft).

The subsurface profiles at the boring locations varied to some degree, but the generalized profiles include the following strata, in descending order:

Bridge West of N. Sherman Avenue at Windom Way (Borings 1 and 2)

- About 4 in. to 8 in. of *topsoil/topsoil fill*; over
- 2.5 to 3 ft of soft to medium stiff *lean clay*, which is *fill* in Boring 2; followed by
- Loose to very dense *sand* with variable silt and gravel content and scattered cobbles/boulders to the maximum depth explored.

Bridge North of Trailway Street at Calypso Road (Borings 3 and 4)

- About 16 in. to 36 in. of *topsoil/topsoil fill*; over
- 3 to 6.5 ft of soft to medium stiff *lean clay* or very loose to loose *clayey sand*, which is *probable fill* in the upper portion of Boring 3; followed by
- 4 to 7 ft of very loose to medium dense *silt* or *silty sand*; followed by
- Very loose to medium dense *sand* with significant silt and gravel content and scattered cobbles/boulders to the maximum depth explored.

Groundwater was encountered in Borings 1 and 2 at 3.2 to 5.6 ft below existing grade and in Borings 3 and 4 at 3.4 to 8 ft below existing grade during or at the completion of drilling. Groundwater levels can be expected to fluctuate with seasonal variations in precipitation, infiltration, evapotranspiration, the pumping rate of nearby wells, nearby lake and river levels, and other factors. A more detailed description of the site soil and groundwater conditions is presented on the Soil Boring Logs attached in Appendix B.

FOUNDATION DESIGN DISCUSSION AND RECOMMENDATIONS

Subject to the limitations discussed below and based on the subsurface exploration, it is our opinion that the sites are suitable for the proposed construction and the bridges can be supported on conventional spread footing foundations. *However, some undercutting below footing grade will likely be required to remove loose sands/silts and soft clays, especially at the western bridge location.* As an alternative to undercutting below conventional spread footing foundations, helical piers could be used to support the western bridge



Ms. Sally Swenson
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foundations. Our recommendations for foundation design/construction are presented in the following subsections.

a. Spread footing foundations

Of the two sites, the eastern proposed bridge location has the more favorable soil conditions for foundation support. Assuming the foundations will be located about 4 ft below existing grade, the foundations are expected to bear on native loose to medium dense silty sand soils. Since the footing excavation is expected to bear near or slightly below the water table, we recommend including a minimum 6-in. thick layer of compacted clear stone below the bottom of the footing to stabilize the subgrades and act as a working platform during concrete forming and pouring to minimize disturbance. Groundwater should be controlled and lowered at least 1 ft below the bottom of the excavation using pumps operating from filtered sump pits outside the footing lines.

At the western bridge site, the soil conditions are less favorable, and if the bridge will be supported on spread footing foundations, about 2 to 4 ft of undercutting will be required to remove unsuitable soil. The base of the undercut excavation should be widened beyond the footing edges at least 0.5 ft in each direction for each foot of undercut depth for stress distribution purposes. The undercut excavation should be sloped in accordance with OSHA slope guidelines. The allowable soil bearing pressure will be limited by the medium stiff lean clay and loose silt. Deeper undercutting will be required if thicker, very loose sands/silts or soft clays are encountered. Due to the presence of groundwater, we recommend that footing grade be re-established with compacted clear stone that is wrapped in geotextile fabric (e.g., Mirafi 160N or equivalent). Since the undercut excavation will extend more than 2 ft below the water table, dewatering with pumps in shallow sump pits may not be adequate to control groundwater *and dewatering with well points may be required.*

Assuming that the recommendations described above are followed, the following parameters should be used for foundation design:

- Maximum net allowable bearing pressure:
 - Eastern bridge (Borings 1 and 2)
with minimum 6 in. undercut: 2,000 psf
 - Western bridge (Borings 3 and 4)
with 2 to 4 ft undercut: 2,000 psf
- Minimum foundation widths:
 - Continuous wall footings: 18 in.
 - Column pad footings: 30 in.
- Minimum footing depth: 4 ft



Ms. Sally Swenson
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July 14, 2014
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It has been a pleasure to serve you on this project. Additional information regarding the conclusions and recommendations presented in this report is discussed in Appendix C. If you have any questions or need additional consultation, please contact us.

Sincerely,

CGC, Inc.

David A. Staab, P.E., LEED AP
Consulting Professional

William W. Wuellner, P.E.
Senior Geotechnical Engineer

- Encl: Appendix A - Field Exploration
Appendix B - Soil Boring Location Map
Logs of Test Borings (4)
Log of Test Boring-General Notes
Unified Soil Classification System
Appendix C - Document Qualifications
Appendix D - Recommended Compacted Fill Specifications

APPENDIX A

FIELD EXPLORATION

APPENDIX A

FIELD EXPLORATION

Subsurface conditions on site were explored by drilling four Standard Penetration Test (SPT) soil borings to planned depths of 20 ft below existing site grades. The borings were located in the field by CGC at locations selected by the City of Madison. The borings were drilled on July 1, 2014 by Badger State Drilling (under subcontract to CGC) using an ATV-mounted CME-750 rotary drill rig equipped with hollow-stem augers and an automatic SPT hammer. Ground surface elevations at the boring locations were estimated using topographic information from Dane County DCiMap, and the elevations should therefore be considered approximate (+/- 1 ft).

In each boring, soil samples were obtained at 2.5 foot intervals to a depth of 10 ft and at 5 ft intervals thereafter. The soil samples were obtained in general accordance with specifications for standard penetration testing, ASTM D 1586. The specific procedures used for drilling and sampling are described below.

1. Boring Procedures between Samples

The boring is extended downward, between samples, by a hollow-stem auger.

2. Standard Penetration Test and Split-Barrel Sampling of Soils
(ASTM Designation: D 1586)

This method consists of driving a 2-inch outside diameter split-barrel sampler using a 140-pound weight falling freely through a distance of 30 inches. The sampler is first seated 6 inches into the material to be sampled and then driven 12 inches. The number of blows required to drive the sampler the final 12 inches is recorded on the log of borings and is known as the Standard Penetration Resistance.


During the field exploration, the driller visually classified the soil and prepared a field log. *Field screening of the soil samples for possible environmental contaminants was not conducted by the drillers as environmental site assessment activities were not part of CGC's work scope.* Water level observations were made in each boring during and after drilling and are shown at the bottom of each boring log. Upon completion of drilling, the borings were backfilled with bentonite (where required) to satisfy WDNR regulations and the soil samples were delivered to our laboratory for visual classification and laboratory testing. The soil samples were visually classified by a geotechnical engineer using the Unified Soil Classification System. The final logs prepared by the engineer and a description of the Unified Soil Classification System are presented in Appendix B.

APPENDIX B

**SOIL BORING LOCATION MAP
LOGS OF TEST BORINGS (4)
LOG OF TEST BORING - GENERAL NOTES
UNIFIED SOIL CLASSIFICATION SYSTEM**




Legend

 Denotes Boring Location and Number

Notes

1. Borings drilled by Badger State Drilling on July 1, 2014.
2. Base map provided by City of Madison.
3. Boring locations are approximate.

Scale: Unknown

<p>Job No. C14051-9</p>	
<p>Date: 07/2014</p>	

SOIL BORING LOCATION MAP
Proposed Warner Park Pedestrian Bridges
 Madison, WI



LOG OF TEST BORING

Project Warner Park Pedestrian Bridges
Near Sherman Ave. & Windom Way
 Location Madison, WI

Boring No. 1
 Surface Elevation (ft) 854±
 Job No. C14051-9
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					4 in. Black Clayey TOPSOIL (OL)					
1	10	M	7		Medium Stiff to Stiff, Light Gray Lean CLAY, Trace Sand (CL)	(0.75-1.25)	22.0			
2	12	W	8	▽	Loose, Light Brown Silty Fine SAND (SM)		16.7			
3	4	W	9							
4	16	W	13		Medium Dense to Very Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
5	16	W	65							
6	18	W	75							
					End Boring at 20 ft					
					Borehole backfilled with bentonite chips					

WATER LEVEL OBSERVATIONS

While Drilling ▽ 4.0' Upon Completion of Drilling 5.6'
 Time After Drilling _____
 Depth to Water _____ ▽
 Depth to Cave in _____ 8.3'

GENERAL NOTES

Start 7/1/14 End 7/1/14
 Driller Badger Chief MC Rig CME-750
 Logger DC Editor ESF
 Drill Method 2.25 HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Warner Park Pedestrian Bridges
Near Sherman Ave. & Windom Way
 Location Madison, WI

Boring No. 2
 Surface Elevation (ft) 854±
 Job No. C14051-9
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					8 in. Black Clayey TOPSOIL FILL (OL)					
1	12	M	5		FILL: Soft to Medium Stiff, Brown Lean Clay, Some Sand	(0.5)	18.3			
2	14	W	6		Loose, Brown Fine SAND, Some Silt, Trace to Little Gravel (SM)		15.9			
3	14	W	14		Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
4	12	W	18							
5	14	W	21		Medium Dense to Dense, Brown Fine to Medium SAND, Trace to Little Silt and Gravel (SP/SP-SM)					
					Gravel/Cobble Layer Noted by Drillers Near 18 ft					
6	0	W	47							
					End Boring at 20 ft					
					Borehole backfilled with bentonite chips					

WATER LEVEL OBSERVATIONS

GENERAL NOTES

While Drilling 4.0' Upon Completion of Drilling 3.2'
 Time After Drilling _____
 Depth to Water _____
 Depth to Cave in 6.6'

Start 7/1/14 End 7/1/14
 Driller Badger Chief MC Rig CME-750
 Logger DC Editor ESF
 Drill Method 2.25 HSA; Autohammer

The stratification lines represent the approximate boundary between soil types and the transition may be gradual.



LOG OF TEST BORING

Project Warner Park Pedestrian Bridges
Trailway St. & Calypso Road
 Location Madison, WI

Boring No. 3
 Surface Elevation (ft) 852±
 Job No. C14051-9
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					16 in. Black Clayey TOPSOIL (OL)					
1	14	M	2		Medium Stiff, Black Lean CLAY, Trace to Little Fine Sand (CL - Probable Fill)	(0.75)	32.5			
2	4	M	1		Medium Stiff, Gray Sandy Lean CLAY to Clayey Fine SAND (CL/SC)	(0.75)	16.6			
3	10	W	6			(0.75)				
4	14	W	8		Loose, Brown SILT, Trace Fine Sand and Clay (ML)					
5	12	W	6		Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
6	14	W	12							
					End Boring at 20					
					Borehole backfilled with bentonite chips					

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	∇	5.6'	Upon Completion of Drilling	4.6'	Start	7/1/14	End	7/1/14	
Time After Drilling					Driller	Badger	Chief	MC	Rig CME-750
Depth to Water					Logger	DC	Editor	ESF	
Depth to Cave in				8'	Drill Method	2.25 HSA; Autohammer			
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									



LOG OF TEST BORING

Project Warner Park Pedestrian Bridges
Trailway St. & Calypso Road
 Location Madison, WI

Boring No. 4
 Surface Elevation (ft) 852±
 Job No. C14051-9
 Sheet 1 of 1

2921 Perry Street, Madison, WI 53713 (608) 288-4100, FAX (608) 288-7887

SAMPLE					VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES				
No.	Rec (in.)	Moist	N	Depth (ft)		qu (qa) (tsf)	W	LL	PL	LI
					FILL: Black Clayey Topsoil (OL)					
1	14	M	4				25.1			
2	16	M	4		Soft Gray Lean CLAY (CL)					
				5		(0.3)	29.5			
3	18	W	3		Very Loose, Gray Silty Fine SAND to Sandy Silt, Trace to Little Clay (SM/ML)					
4	18	W	13		Medium Dense, Brown SILT, Trace to Little Fine Sand (ML)					
				10						
5	18	W	4		Very Loose to Medium Dense, Brown Fine to Medium SAND, Some Silt and Gravel, Scattered Cobbles and Boulders (SM)					
				15						
					Gravel/Cobble Layer Noted by Drillers Near 17.5 ft					
6	12	W	11							
				20						
					End Boring at 20 ft					
					Borehole backfilled with bentonite chips					
				25						

WATER LEVEL OBSERVATIONS					GENERAL NOTES				
While Drilling	∇	8.0'	Upon Completion of Drilling	3.4'	Start	7/1/14	End	7/1/14	
Time After Drilling					Driller	Badger	Chief	MC	Rig CME-750
Depth to Water					Logger	DC	Editor	ESF	
Depth to Cave in				16'	Drill Method	2.25 HSA; Autohammer			
The stratification lines represent the approximate boundary between soil types and the transition may be gradual.									

CGC, Inc.

Madison - Milwaukee

UNIFIED SOIL CLASSIFICATION SYSTEM

UNIFIED SOIL CLASSIFICATION AND SYMBOL CHART

COARSE-GRAINED SOILS

(more than 50% of material is larger than No. 200 sieve size.)

Clean Gravels (Less than 5% fines)

GRAVELS
More than 50% of coarse fraction larger than No. 4 sieve size

GW	Well-graded gravels, gravel-sand mixtures, little or no fines
GP	Poorly-graded gravels, gravel-sand mixtures, little or no fines
Gravels with fines (More than 12% fines)	
GM	Silty gravels, gravel-sand-silt mixtures
GC	Clayey gravels, gravel-sand-clay mixtures

Clean Sands (Less than 5% fines)

SANDS
50% or more of coarse fraction smaller than No. 4 sieve size

SW	Well-graded sands, gravelly sands, little or no fines
SP	Poorly graded sands, gravelly sands, little or no fines
Sands with fines (More than 12% fines)	
SM	Silty sands, sand-silt mixtures
SC	Clayey sands, sand-clay mixtures

FINE-GRAINED SOILS

(50% or more of material is smaller than No. 200 sieve size.)

SILTS AND CLAYS
Liquid limit less than 50%

ML	Inorganic silts and very fine sands, rock flour, silty of clayey fine sands or clayey silts with slight plasticity
CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
OL	Organic silts and organic silty clays of low plasticity

SILTS AND CLAYS
Liquid limit 50% or greater

MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
CH	Inorganic clays of high plasticity, fat clays
OH	Organic clays of medium to high plasticity, organic silts

HIGHLY ORGANIC SOILS

PT	Peat and other highly organic soils
----	-------------------------------------

LABORATORY CLASSIFICATION CRITERIA

GW $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3

GP Not meeting all gradation requirements for GW

GM Atterberg limits below "A" line or P.I. less than 4
 GC Atterberg limits above "A" line with P.I. greater than 7
 Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols

SW $C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{D_{30}}{D_{10} \times D_{60}}$ between 1 and 3

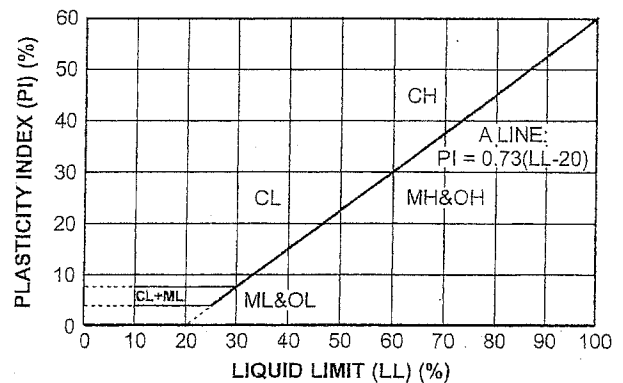
SP Not meeting all gradation requirements for GW

SM Atterberg limits below "A" line or P.I. less than 4
 SC Atterberg limits above "A" line with P.I. greater than 7
 Limits plotting in shaded zone with P.I. between 4 and 7 are borderline cases requiring use of dual symbols.

Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than 5 percent GW, GP, SW, SP
 More than 12 percent GM, GC, SM, SC
 5 to 12 percent Borderline cases requiring dual symbols

PLASTICITY CHART



LOG OF TEST BORING
General Notes

DESCRIPTIVE SOIL CLASSIFICATION

Grain Size Terminology

Soil Fraction	Particle Size	U.S. Standard Sieve Size
Boulders	Larger than 12"	Larger than 12"
Cobbles.....	3" to 12"	3" to 12"
Gravel: Coarse.....	¾" to 3"	¾" to 3"
Fine.....	4.76 mm to ¾"	#4 to ¾"
Sand: Coarse.....	2.00 mm to 4.76 mm.....	#10 to #4
Medium	0.42 to mm to 2.00 mm.....	#40 to #10
Fine.....	0.074 mm to 0.42 mm.....	#200 to #40
Silt.....	0.005 mm to 0.074 mm.....	Smaller than #200
Clay	Smaller than 0.005 mm	Smaller than #200

Plasticity characteristics differentiate between silt and clay.

General Terminology

- Physical Characteristics
 - Color, moisture, grain shape, fineness, etc.
- Major Constituents
 - Clay, silt, sand, gravel
- Structure
 - Laminated, varved, fibrous, stratified, cemented, fissured, etc.
- Geologic Origin
 - Glacial, alluvial, eolian, residual, etc.

Relative Density

Term	"N" Value
Very Loose.....	0 - 4
Loose.....	4 - 10
Medium Dense.....	10 - 30
Dense.....	30 - 50
Very Dense.....	Over 50

Relative Proportions Of Cohesionless Soils

Proportional Term	Defining Range by Percentage of Weight
Trace.....	0% - 5%
Little	5% - 12%
Some	12% - 35%
And.....	35% - 50%

Consistency

Term	q _u -tons/sq. ft
Very Soft.....	0.0 to 0.25
Soft.....	0.25 to 0.50
Medium.....	0.50 to 1.0
Stiff.....	1.0 to 2.0
Very Stiff.....	2.0 to 4.0
Hard.....	Over 4.0

Organic Content by Combustion Method

Soil Description	Loss on Ignition
Non Organic.....	Less than 4%
Organic Silt/Clay.....	4 - 12%
Sedimentary Peat.....	12% - 50%
Fibrous and Woody Peat...	More than 50%

Plasticity

Term	Plastic Index
None to Slight.....	0 - 4
Slight.....	5 - 7
Medium.....	8 - 22
High to Very High ..	Over 22

The penetration resistance, N, is the summation of the number of blows required to effect two successive 6" penetrations of the 2" split-barrel sampler. The sampler is driven with a 140 lb. weight falling 30" and is seated to a depth of 6" before commencing the standard penetration test.

SYMBOLS

Drilling and Sampling

- CS - Continuous Sampling
- RC - Rock Coring: Size AW, BW, NW, 2"NW
- RQD - Rock Quality Designation
- RB - Rock Bit/Roller Bit
- FT - Fish Tail
- DC - Drove Casing
- C - Casing: Size 2 ½", NW, 4", HW
- CW - Clear Water
- DM - Drilling Mud
- HSA - Hollow Stem Auger
- FA - Flight Auger
- HA - Hand Auger
- COA - Clean-Out Auger
- SS - 2" Dia. Split-Barrel Sample
- 2ST - 2" Dia. Thin-Walled Tube Sample
- 3ST - 3" Dia. Thin-Walled Tube Sample
- PT - 3" Dia. Piston Tube Sample
- AS - Auger Sample
- WS - Wash Sample
- PTS - Peat Sample
- PS - Pitcher Sample
- NR - No Recovery
- S - Sounding
- PMT - Borehole Pressuremeter Test
- VS - Vane Shear Test
- WPT - Water Pressure Test

Laboratory Tests

- q_a - Penetrometer Reading, tons/sq ft
- q_u - Unconfined Strength, tons/sq ft
- W - Moisture Content, %
- LL - Liquid Limit, %
- PL - Plastic Limit, %
- SL - Shrinkage Limit, %
- LI - Loss on Ignition
- D - Dry Unit Weight, lbs/cu ft
- pH - Measure of Soil Alkalinity or Acidity
- FS - Free Swell, %

Water Level Measurement

- ▽ - Water Level at Time Shown
- NW - No Water Encountered
- WD - While Drilling
- BCR - Before Casing Removal
- ACR - After Casing Removal
- CW - Cave and Wet
- CM - Caved and Moist

Note: Water level measurements shown on the boring logs represent conditions at the time indicated and may not reflect static levels, especially in cohesive soils.

APPENDIX C

DOCUMENT QUALIFICATIONS

APPENDIX C DOCUMENT QUALIFICATIONS

I. GENERAL RECOMMENDATIONS/LIMITATIONS

CGC, Inc. should be provided the opportunity for a general review of the final design and specifications to confirm that earthwork and foundation requirements have been properly interpreted in the design and specifications. CGC should be retained to provide soil engineering services during excavation and subgrade preparation. This will allow us to observe that construction proceeds in compliance with the design concepts, specifications and recommendations, and also will allow design changes to be made in the event that subsurface conditions differ from those anticipated prior to the start of construction. CGC does not assume responsibility for compliance with the recommendations in this report unless we are retained to provide construction testing and observation services.

This report has been prepared in accordance with generally accepted soil and foundation engineering practices and no other warranties are expressed or implied. The opinions and recommendations submitted in this report are based on interpretation of the subsurface information revealed by the test borings indicated on the location plan. The report does not reflect potential variations in subsurface conditions between or beyond these borings. Therefore, variations in soil conditions can be expected between the boring locations and fluctuations of groundwater levels may occur with time. The nature and extent of the variations may not become evident until construction.

II. IMPORTANT INFORMATION - ABOUT YOUR GEOTECHNICAL ENGINEERING REPORT

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical engineering study conducted for a civil engineer may not fulfill the needs of a construction contractor or even another civil engineer. Because each geotechnical engineering study is unique, each geotechnical engineering report is unique, prepared *solely* for the client. *No one except you* should rely on your geotechnical engineering report without first conferring with the geotechnical engineer who prepared it. *And no one - not even you* - should apply the report for any purpose or project except the one originally contemplated.

Serious problems have occurred because those relying on a geotechnical engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

A GEOTECHNICAL ENGINEERING REPORT IS BASED ON A UNIQUE SET OF PROJECT-SPECIFIC FACTORS

Geotechnical engineers consider a number of unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, *do not rely on a geotechnical engineering report that was:*

- not prepared for you,
- not prepared for your project,
- not prepared for the specific site explored, or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light industrial plant to a refrigerated warehouse,
- elevation, configuration, location, orientation, or weight of the proposed structure,
- composition of the design team, or project ownership.

As a general rule, , *always* inform your geotechnical engineer of project changes - even minor ones - and request an assessment of their impact. *CGC cannot accept responsibility or liability for problems that occur because our reports do not consider developments of which we were not informed.*

SUBSURFACE CONDITIONS CAN CHANGE

A geotechnical engineering report is based on conditions that existed at the time the study was performed. *Do not rely on a geotechnical engineering report* whose adequacy may have been affected by: the passage of time; by man-made events, such as construction on or adjacent to the site; or by natural events, such as floods, earthquakes, or groundwater fluctuations. *Always* contact the geotechnical engineer before applying the report to determine if it is still reliable. A minor amount of additional testing or analysis could prevent major problems.

MOST GEOTECHNICAL FINDINGS ARE PROFESSIONAL OPINION

Site exploration identifies subsurface conditions only at those points where surface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgement to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ - sometimes significantly - from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A REPORT'S RECOMMENDATIONS ARE NOT FINAL

Do not over-rely on the construction recommendations included in your report. *Those recommendations are not final*, because geotechnical engineers develop them principally from judgement and opinion, geotechnical engineers can finalize their recommendations only by observing actual subsurface conditions revealed during construction. *CGC cannot assume responsibility or liability for the report's recommendations if we do not perform construction observation.*

A GEOTECHNICAL ENGINEERING REPORT IS SUBJECT TO MISINTERPRETATION

Other design team members' misinterpretation of geotechnical engineering reports has resulted in costly problems. Lower that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Contractors can also misinterpret a geotechnical engineering report. Reduce that risk by having CGC participate in prebid and preconstruction conferences, and by providing construction observation.

DO NOT REDRAW THE ENGINEER'S LOGS

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

GIVE CONTRACTORS A COMPLETE REPORT AND GUIDANCE

Some owners and design professionals mistakenly believe they can make contractors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give contractors the complete geotechnical engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise contractors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure contractors have sufficient time to perform additional study.* Only then might you be in a position to give contractors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

READ RESPONSIBILITY PROVISIONS CLOSELY

Some clients, design professionals, and contractors do not recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce such risks, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes

labeled "limitations," many of these provisions indicate where geotechnical engineer's responsibilities begin and end, to help others recognize their own responsibilities and risks. Read these provisions closely. Ask questions. Your geotechnical engineer should respond fully and frankly.

GEOENVIRONMENTAL CONCERNS ARE NOT COVERED

The equipment, techniques, and personnel used to perform a *geoenvironmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical engineering report does not usually relate any geoenvironmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own geoenvironmental information, ask your geotechnical consultant for risk management guidance. *Do not rely on an environmental report prepared for someone else.*

OBTAIN PROFESSIONAL ASSISTANCE TO DEAL WITH MOLD

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, a number of mold prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; *none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention.* *Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.*

RELY ON YOUR GEOTECHNICAL ENGINEER FOR ADDITIONAL ASSISTANCE

Membership in ASFE exposes geotechnical engineers to a wide array of risk management techniques that can be of genuine benefit for everyone involved with a construction project. Confer with CGC, a member of ASFE, for more information.

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ASFE/The Best People on Earth
881 Colesville Road, Suite G 106
Silver Spring, MD 20910

APPENDIX D

RECOMMENDED COMPACTED FILL SPECIFICATIONS

APPENDIX D

CGC, INC.

RECOMMENDED COMPACTED FILL SPECIFICATIONS

General Fill Materials

Proposed fill shall contain no vegetation, roots, topsoil, peat, ash, wood or any other non-soil material which by decomposition might cause settlement. Also, fill shall never be placed while frozen or on frozen surfaces. Rock, stone or broken concrete greater than 6 in. in the largest dimension shall not be placed within 10 ft of the building area. Fill used greater than 10 ft beyond the building limits shall not contain rock, boulders or concrete pieces greater than a 2 sq ft area and shall not be placed within the final 2 ft of finish subgrade or in designated utility construction areas. Fill containing rock, boulders or concrete pieces should include sufficient finer material to fill voids among the larger fragments.

Special Fill Materials

In certain cases, special fill materials may be required for specific purposes, such as stabilizing subgrades, backfilling undercut excavations or filling behind retaining walls. For reference, WisDOT gradation specifications for various types of granular fill are attached in Table 1.

Placement Method

The approved fill shall be placed, spread and leveled in layers generally not exceeding 10 in. in thickness before compaction. The fill shall be placed at moisture content capable of achieving the desired compaction level. For clay soils or granular soils containing an appreciable amount of cohesive fines, moisture conditioning will likely be required.

It is the Contractor's responsibility to provide all necessary compaction equipment and other grading equipment that may be required to attain the specified compaction. Hand-guided vibratory or tamping compactors will be required whenever fill is placed adjacent to walls, footings, columns or in confined areas.

Compaction Specifications

Maximum dry density and optimum moisture content of the fill soil shall be determined in accordance with modified Proctor methods (ASTM D1557). The recommended field compaction as a percentage of the maximum dry density is shown in Table 2. Note that these compaction guidelines would generally not apply to coarse gravel/stone fill. Instead, a method specification would apply (e.g., compact in thin lifts with a vibratory compactor until no further consolidation is evident).

Testing Procedures

Representative samples of proposed fill shall be submitted to CGC, Inc. for optimum moisture-maximum density determination (ASTM D1557) prior to the start of fill placement. The sample size should be approximately 50 lb.

CGC, Inc. shall be retained to perform field density tests to determine the level of compaction being achieved in the fill. The tests shall generally be conducted on each lift at the beginning of fill placement and at a frequency mutually agreed upon by the project team for the remainder of the project.

Table 1
Gradation of Special Fill Materials

Material	WisDOT Section 311	WisDOT Section 312	WisDOT Section 305			WisDOT Section 209		WisDOT Section 210
	Breaker Run	Select Crushed Material	3-in. Dense Graded Base	1 1/4-in. Dense Graded Base	3/4-in. Dense Graded Base	Grade 1 Granular Backfill	Grade 2 Granular Backfill	Structure Backfill
Sieve Size	Percent Passing by Weight							
6 in.	100							
5 in.		90-100						
3 in.			90-100					100
1 1/2 in.		20-50	60-85					
1 1/4 in.				95-100				
1 in.					100			
3/4 in.			40-65	70-93	95-100			
3/8 in.				42-80	50-90			
No. 4			15-40	25-63	35-70	100 (2)	100 (2)	25-100
No. 10		0-10	10-30	16-48	15-55	75 (2)		
No. 40			5-20	8-28	10-35	15 (2)	30 (2)	
No. 200			2-12	2-12	5-15	8 (2)	15 (2)	15 (2)

Notes:

1. Reference: Wisconsin Department of Transportation *Standard Specifications for Highway and Structure Construction*.
2. Percentage applies to the material passing the No. 4 sieve, not the entire sample.
3. Per WisDOT specifications, both breaker run and select crushed material can include concrete that is 'substantially free of steel, building materials and other deleterious material'.

Table 2
Compaction Guidelines

Area	Percent Compaction (1)	
	Clay/Silt	Sand/Gravel
<u>Within 10 ft of building lines</u>		
Footing bearing soils	93 - 95	95
Under floors, steps and walks		
- Lightly loaded floor slab	90	90
- Heavily loaded floor slab and thicker fill zones	92	95
<u>Beyond 10 ft of building lines</u>		
Under walks and pavements		
- Less than 3 ft below subgrade	92	95
- Greater than 3 ft below subgrade	90	90
Landscaping	85	90

Notes:

1. Based on Modified Proctor Dry Density (ASTM D 1557)

SECTION E: BIDDERS ACKNOWLEDGEMENT

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

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

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

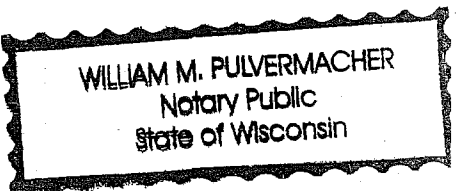
B. J. Z...
SIGNATURE

President
TITLE, IF ANY

Sworn and subscribed to before me this
22 day of August 2014
William M Pulvermacher

(Notary Public or other officer authorized to administer oaths)
My Commission Expires 4-2-2018

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



Contract #7200 – S&L Underground and Trucking, Inc.

Section F: Disclosure of Ownership and BVC

This section is a required document for the bid to be considered complete. There are two methods for completing the Disclosure of Ownership and BVC form. Method one: The form can be filled out online and submitted to this site to be included with your electronic bid. Method two: The form can be downloaded from the site and submitted by hand to the City of Madison.

Method of Submittal for Disclosure of Ownership and BVC (click in box below to choose) *
I will submit Bid Express fillable online form (Disclosure of Ownership and BVC).

Notice required under Section 15.04(1)(m), Wisconsin Statutes. The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), Wisconsin Statutes. The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12). Personal information you provide may be used for secondary purposes.

(1) On the date a contractor submits a bid to or completes negotiations with a state agency or local governmental unit, on a project subject to Section 66.0903 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency or local governmental unit the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.

(2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 103.49(2) and 103.50(2), Wisconsin Statutes.

(3) This form must ONLY be filed, with the state agency or local governmental unit that will be awarding the contract, if both (A) and (B) are met.

(A) The contractor, or a shareholder, officer or partner of the contractor:

1. Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.

2. Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.

(B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

Other Construction Business

Not Applicable

Name of Business
Street Address or PO Box
City, State and Zip Code

Best Value Contracting

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

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

Contractor has a total skilled workforce of four or less individuals in all apprenticeable trades combined.

No available trade training program; The Contractor has been rejected by the only available trade training program, or there is no trade training program within 90 miles.

Contractor is not using an apprentice due to having a journey worker on layoff status, provided the journey worker was employed by the contractor in the past six months.

First time contractor on City of Madison Public Works contract requests a onetime exemption but intends to comply on all future contracts and is taking steps typical of a "good faith" effort.

Contractor has been in business less than one year.

Contractor doesn't have enough journeyman trade workers to qualify for a trade training program in that respective trade.

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

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

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

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

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

Small Business Enterprise Compliance Report

This information may be submitted electronically through
Bid Express or submitted with bid in sealed envelope.

Cover Sheet

S & L Underground and Trucking, Inc.

396 Baraboo St.

PO Box 100

Merrimac, WI 53561

608-493-4149

Prime Bidder Information

Company: _____ 

Address: _____

Telephone Number: _____ Fax Number: 493-4150

Contact Person/Title: Bill Pulvermacher

Prime Bidder Certification

I, Ben Larrabee, President of _____
Name Title

S+L Underground and Trucking Inc certify that the information
Company

contained in this SBE Compliance Report is true and correct to the best of my knowledge and belief.

William M. Pulver
Witness' Signature

B. J. J.
Bidder's Signature

8-22-14
Date

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

Small Business Enterprise Compliance Report

Summary Sheet

SBE Subcontractors Who Are NOT Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
CA Berman	Trucking	10 %
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		<u>10</u> %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal Contractors who are suppliers:		_____ % x 0.6 = _____ % (discounted to 60%)
Total Percentage of SBE Utilization:		<u>10</u> %.

WARNER PARK CUNETTE REPLACEMENT
 CONTRACT NO. 7200
 DATE: AUG. 22, 2014

S & L Underground and
 Trucking Inc.

Item	Quantity	Price	Extension
Section B: Proposal Page			
10701.0 - TRAFFIC CONTROL - LUMP SUM	1.00	\$4,150.00	\$4,150.00
10911.0 - MOBILIZATION - LUMP SUM	1.00	\$28,500.00	\$28,500.00
20101.0 - EXCAVATION CUT - C.Y.	2755.00	\$11.50	\$31,682.50
20140.0 - GEOTEXTILE FABRIC TYPE SAS NON WOVEN - S.Y.	2110.00	\$2.50	\$5,275.00
20202.0 - FILL BORROW (UNDISTRIBUTED) - C.Y.	20.00	\$15.00	\$300.00
20217.0 - CLEAR STONE - TON	85.00	\$14.50	\$1,232.50
20221.0 - TOPSOIL - S.Y.	7095.00	\$2.50	\$17,737.50
20233.0 - RIPRAP FILTER FABRIC, TYPE HR - S.Y.	5830.00	\$2.90	\$16,907.00
20314.0 - REMOVE PIPE (UNDISTRIBUTED) - L.F.	10.00	\$21.00	\$210.00
20322.0 - REMOVE CONCRETE CURB & GUTTER - L.F.	35.00	\$3.00	\$105.00
20401.0 - CLEARING - I.D.	598.00	\$23.00	\$13,754.00
20403.0 - GRUBBING - I.D.	598.00	\$23.00	\$13,754.00
20701.0 - TERRACE SEED MIX - S.Y.	20.00	\$8.00	\$160.00
20705.0 - DETENTION BASIN SEEDING - S.Y.	2616.00	\$1.30	\$3,400.80
20706.0 - TALL GRASS PRAIRIE SEEDING - S.Y.	4031.00	\$1.40	\$5,643.40
21001.0 - EROSION CONTROL PLAN & IMPLEMENTATION - LUMP SUM	1.00	\$600.00	\$600.00
21002.0 - EROSION CONTROL INSPECTION - EACH	12.00	\$250.00	\$3,000.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	3.00	\$800.00	\$2,400.00
21013.0 - STREET SWEEPING - LUMP SUM	1.00	\$3,800.00	\$3,800.00
21018.0 - SILT SOCK (8 INCH) - PROVIDE, INSTALL & MAINTAIN - L.F.	1000.00	\$3.50	\$3,500.00
21019.0 - SILT SOCK (8 INCH) - REMOVE & RESTORE - L.F.	1000.00	\$1.00	\$1,000.00
21022.0 - SILT FENCE - PROVIDE, INSTALL & MAINTAIN (UNDISTRIBUTED) - L.F.	500.00	\$2.20	\$1,100.00
21023.0 - SILT FENCE - REMOVE & RESTORE (UNDISTRIBUTED) - L.F.	500.00	\$1.00	\$500.00
21052.0 - POLYMER STABILIZATION - S.Y.	7500.00	\$0.50	\$3,750.00
21056.0 - INLET PROTECTION, TYPE D HYBRID - PROVIDE & INSTALL - EACH	11.00	\$150.00	\$1,650.00
21057.0 - INLET PROTECTION, TYPE D HYBRID - MAINTAIN - EACH	35.00	\$60.00	\$2,100.00
21058.0 - INLET PROTECTION, TYPE D HYBRID - REMOVE - EACH	11.00	\$30.00	\$330.00
21071.0 - EROSION MATTING, CLASS II, TYPE A - ORGANIC - S.Y.	8257.00	\$1.80	\$14,862.60
30202.0 - TYPE "B" CONCRETE CURB & GUTTER - L.F.	35.00	\$45.00	\$1,575.00
40366.0 - REBUILD INLET - EACH	1.00	\$820.00	\$820.00
50211.0 - SELECT BACKFILL FOR STORM SEWER - T.F.	235.00	\$0.10	\$23.50
50412.0 - 15 INCH RCP STORM SEWER PIPE - L.F.	87.00	\$59.00	\$5,133.00
50413.0 - 18 INCH RCP STORM SEWER PIPE - L.F.	18.00	\$63.00	\$1,134.00
50415.0 - 24 INCH RCP STORM SEWER PIPE - L.F.	16.00	\$70.00	\$1,120.00
50417.0 - 30 INCH RCP STORM SEWER PIPE - L.F.	72.00	\$82.00	\$5,904.00
50418.0 - 36 INCH RCP STORM SEWER PIPE - L.F.	14.00	\$94.00	\$1,316.00
50419.0 - 42 INCH RCP STORM SEWER PIPE - L.F.	28.00	\$111.00	\$3,108.00
50463.0 - 18 INCH RCP AE - EACH	2.00	\$850.00	\$1,700.00
50465.0 - 24 INCH RCP AE - EACH	1.00	\$950.00	\$950.00
50467.0 - 30 INCH RCP AE - EACH	3.00	\$990.00	\$2,970.00

WARNER PARK CUNETTE REPLACEMENT
 CONTRACT NO. 7200
 DATE: AUG. 22, 2014

**S & L Underground and
 Trucking Inc.**

Item	Quantity	Price	Extension
50468.0 - 36 INCH RCP AE - EACH	1.00	\$1,290.00	\$1,290.00
50469.0 - 42 INCH RCP AE - EACH	2.00	\$1,440.00	\$2,880.00
50499.0 - CONCRETE COLLAR - EACH	8.00	\$475.00	\$3,800.00
50603.0 - 18 INCH RCP AE GATE - EACH	2.00	\$400.00	\$800.00
50605.0 - 24 INCH RCP AE GATE - EACH	1.00	\$480.00	\$480.00
50607.0 - 30 INCH RCP AE GATE - EACH	3.00	\$605.00	\$1,815.00
50608.0 - 36 INCH RCP AE GATE - EACH	1.00	\$720.00	\$720.00
50609.0 - 42 INCH RCP AE GATE - EACH	2.00	\$860.00	\$1,720.00
50792.0 - STORM SEWER TAP - EACH	1.00	\$950.00	\$950.00
50802.0 - UTILITY LINE OPENING (UNDISTRIBUTED) - EACH	1.00	\$600.00	\$600.00
90001.0 - TEMPORARY FENCING - L.F.	600.00	\$3.00	\$1,800.00
90002.0 - SOD REMOVAL - S.Y.	2364.00	\$2.50	\$5,910.00
90003.0 - REMOVE CONCRETE CUNETTE - S.Y.	2571.00	\$5.00	\$12,855.00
90004.0 - REMOVE CONCRETE RETAINING WALL - L.F.	271.00	\$11.00	\$2,981.00
90005.0 - REMOVE WOOD BRIDGE ABUTMENT - EACH	4.00	\$850.00	\$3,400.00
90006.0 - SALVAGE AND RESET BRIDGE - EACH	2.00	\$850.00	\$1,700.00
90007.0 - CONCRETE BRIDGE ABUTMENT - STATION 9+35 - EACH	2.00	\$6,400.00	\$12,800.00
90008.0 - CONCRETE BRIDGE ABUTMENT - STATION 15+58 - EACH	2.00	\$6,400.00	\$12,800.00
90009.0 - ASPHALT REPAIR - S.Y.	20.00	\$133.00	\$2,660.00
90030.0 - STORM CONTROL - LUMP SUM	1.00	\$3,150.00	\$3,150.00
90031.0 - TEMPORARY DITCH CHECK - EACH	5.00	\$150.00	\$750.00
90032.0 - CRUSHED LIMESTONE - 4" MINUS - TON	2353.00	\$23.00	\$54,119.00
90033.0 - MEDIUM RIPRAP - GLACIAL FIELD STONE - TON	398.00	\$38.00	\$15,124.00
90034.0 - HEAVY RIPRAP - GLACIAL FIELD STONE - TON	238.00	\$38.00	\$9,044.00
90035.0 - FIELD BEND - EACH	3.00	\$1,360.00	\$4,080.00
90036.0 - ENGINEERED FILL - C.Y.	1410.00	\$60.00	\$84,600.00
TOTALS			\$449,985.80

SECTION G: BID BOND

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

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

WARNER PARK CUNETTE REPLACEMENT CONTRACT NO. 7200

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

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

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

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

Seal S & L Underground and Trucking, Inc.
Principal

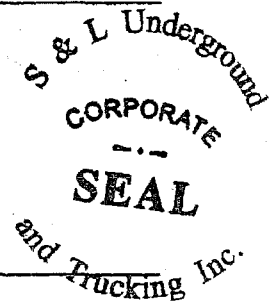
8-22-14
Date

By: [Signature]

Granite Re, Inc.
Name of Surety

By: [Signature]
Robert Downey, Attorney-in-Fact

08/20/2014
Date



This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2587534 for the year 2014, and appointed as attorney in fact with authority to execute this bid bond and the payment and performance bond referred to above, which power of attorney has not been revoked.

08/20/2014
Date

J. Ryan Bonding, Inc.
Agent
P.O. Box 465
Address
Hudson, WI 54016
City, State and Zip Code
800-535-0006
Telephone Number

NOTE TO SURETY & PRINCIPAL

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

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

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of OKLAHOMA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:


To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:


MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Secretary/Treasurer, this 3rd day of July, 2013.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





Kenneth D. Whittington, President


Kyle P. McDonald, Treasurer

On this 3rd day of July, 2013, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Secretary/Treasurer of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Secretary/Treasurer of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Secretary/Treasurer, respectively, of the Company.

My Commission Expires:
August 8, 2017
Commission #: 01013257





Kathleen E. Carlen
Notary Public

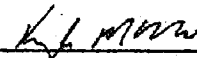
GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Secretary/Treasurer of Granite Re, Inc., an Oklahoma Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this 3rd day of July, 2013.





Kyle P. McDonald, Secretary/Treasurer

SECTION H: AGREEMENT

THIS AGREEMENT made this 17 day of September in the year Two Thousand and Fourteen between S & L UNDERGROUND AND TRUCKING, INC., hereinafter called the Contractor, and the City of Madison, Wisconsin, hereinafter called the City.

WHEREAS, the Common Council of the said City of Madison under the provisions of a resolution adopted SEPTEMBER 16, 2014, and by virtue of authority vested in the said Council, has awarded to the Contractor the work of performing certain construction.

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

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

WARNER PARK CUNETTE REPLACEMENT CONTRACT NO. 7200

2. **Completion Date/Contract Time.** Construction work must begin within seven (7) calendar days after the date appearing on mailed written notice to do so shall have been sent to the Contractor and shall be carried on at a rate so as to secure full completion SEE SPECIAL PROVISIONS, the rate of progress and the time of completion being essential conditions of this Agreement.
3. **Contract Price.** The City shall pay to the Contractor at the times, in the manner and on the conditions set forth in said specifications, the sum of FOUR HUNDRED FORTY-NINE THOUSAND NINE HUNDRED EIGHTY-FIVE AND 80/100 (\$449,985.80) Dollars being the amount bid by such Contractor and which was awarded to him/her as provided by law.
4. **Wage Rates for Employees of Public Works Contractors**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Mulcting of the employees by the Contractor, Subcontractor, and Agents on Public Works contracts, such as by kickbacks or other devices, is prohibited. The normal rate of wage of the employees of the Contractor, Subcontractor, and Agents shall not be reduced or otherwise diminished as a result of payment of the prevailing wage rate on a public works contract.

Hourly contributions. Hourly contributions shall be determined in accordance with the prevailing wage rate and with DWD. 290.01(10), Wis. Admin. Code.

Apprentices and Subjourney persons. Apprentices and sub journeypersons performing work on the project shall be compensated in accordance with the prevailing wage rate and with DWD 290.02, and 290.025, respectively; Wis. Admin. Code.

Straight Time Wages. The Contractor may pay straight time wages as determined by the prevailing wage rate and DWD 290.04, Wis. Admin. Code.

Overtime Wages. The Contractor shall pay overtime wages as required by the prevailing wage rate and DWD 290.05, Wis. Admin. Code.

Posting of Wage Rates and Hours. A clearly legible copy of the prevailing wage rate, together with the provisions of Sec. 66.0903(10)(a) and (11)(a), Wis. Stats., shall be kept posted in at least one conspicuous and easily accessible place at the project site by the Contractor and such notice shall remain posted during the full time any laborers, workers or mechanics are employed on the contract.

Evidence of Compliance by Contractor. Upon completion of the contract, the Contractor shall file with the Department of Public Works an affidavit stating:

- a. That the Contractor has complied fully with the provisions and requirements of Sec. 66.0903(3), Wis. Stats., and Chapter DWD 290, Wis. Admin. Code; the Contractor has received evidence of compliance from each of the agents and subcontractors; and the

names and addresses of all of the subcontractors and agents who worked on the contract.

- b. That full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records will be kept and the name, address and telephone number of the person who will be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Evidence of Compliance by Agent and Subcontractor. Each agent and subcontractor shall file with the Contractor, upon completion of their portion of the work on the contract an affidavit stating that all the provisions of Sec. 66.0903(3), Wis. Stats., have been fully complied with and that full and accurate records have been kept, which clearly indicate the name and trade or occupation of every laborer, worker or mechanic employed by the Contractor in connection with work on the project. The records shall show the number of hours worked by each employee and the actual wages paid therefore; where these records shall be kept and the name, address and telephone number of the person who shall be responsible for keeping them. The records shall be retained and made available for a period of at least three (3) years following the completion of the project of public works and shall not be removed without prior notification to the municipality.

Failure to Comply with the Prevailing Wage Rate. If the Contractor fails to comply with the prevailing wage rate, she/he shall be in default on the contract.

5. **Affirmative Action.** In the performance of the services under this Agreement the Contractor agrees not to discriminate against any employee or applicant because of race, religion, marital status, age, color, sex, disability, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The Contractor further agrees not to discriminate against any subcontractor or person who offers to subcontract on this contract because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.

The Contractor agrees that within thirty (30) days after the effective date of this agreement, the Contractor will provide to the City Affirmative Action Division certain workforce utilization statistics, using a form to be furnished by the City.

If the contract is still in effect, or if the City enters into a new agreement with the Contractor, within one year after the date on which the form was required to be provided, the Contractor will provide updated workforce information using a second form, also to be furnished by the City. The second form will be submitted to the City Affirmative Action Division no later than one year after the date on which the first form was required to be provided.

The Contractor further agrees that, for at least twelve (12) months after the effective date of this contract, it will notify the City Affirmative Action Division of each of its job openings at facilities in Dane County for which applicants not already employees of the Contractor are to be considered. The notice will include a job description, classification, qualifications and application procedures and deadlines. The Contractor agrees to interview and consider candidates referred by the Affirmative Action Division if the candidate meets the minimum qualification standards established by the Contractor, and if the referral is timely. A referral is timely if it is received by the Contractor on or before the date started in the notice.

Articles of Agreement

Article I

The Contractor shall take affirmative action in accordance with the provisions of this contract to insure that applicants are employed, and that employees are treated during employment without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin and that the employer shall provide harassment free work environment for the realization of the potential of each employee. Such action shall include, but not be limited to, the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation and selection for training including apprenticeship insofar as it is within the control of the Contractor. The Contractor agrees to post in conspicuous places available to employees and applicants notices to be provided by the City setting out the provisions of the nondiscrimination clauses in this contract.

Article II

The Contractor shall in all solicitations or advertisements for employees placed by or on behalf of the Contractors state that all qualified or qualifiable applicants will be employed without regard to race, religion, color, age, marital status, disability, sex, sexual orientation, gender identity or national origin.

Article III

The Contractor shall send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding a notice to be provided by the City advising the labor union or worker's representative of the Contractor's equal employment opportunity and affirmative action commitments. Such notices shall be posted in conspicuous places available to employees and applicants for employment.

Article V

The Contractor agrees that it will comply with all provisions of the Affirmative Action Ordinance of the City of Madison, including the contract compliance requirements. The Contractor agrees to submit the model affirmative action plan for public works contractors in a form approved by the Affirmative Action Division Manager.

Article VI

The Contractor will maintain records as required by Section 39.02(9)(f) of the Madison General Ordinances and will provide the City Affirmative Action Division with access to such records and to persons who have relevant and necessary information, as provided in Section 39.02(9)(f). The City agrees to keep all such records confidential, except to the extent that public inspection is required by law.

Article VII

In the event of the Contractor's or subcontractor's failure to comply with the Equal Employment Opportunity and Affirmative Action Provisions of this contract or Section 39.03 and 39.02 of the Madison General Ordinances, it is agreed that the City at its option may do any or all of the following:

1. Cancel, terminate or suspend this Contract in whole or in part.
2. Declare the Contractor ineligible for further City contracts until the Affirmative Action requirements are met.

3. Recover on behalf of the City from the prime Contractor 0.5 percent of the contract award price for each week that such party fails or refuses to comply, in the nature of liquidated damages, but not to exceed a total of five percent (5%) of the contract price, or five thousand dollars (\$5,000), whichever is less. Under public works contracts, if a subcontractor is in noncompliance, the City may recover liquidated damages from the prime Contractor in the manner described above. The preceding sentence shall not be construed to prohibit a prime Contractor from recovering the amount of such damage from the non-complying subcontractor.

Article VIII

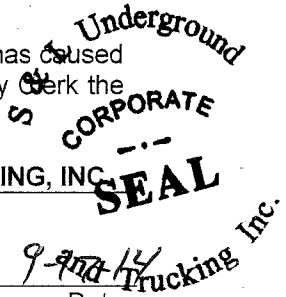
The Contractor shall include the above provisions of this contract in every subcontract so that such provisions will be binding upon each subcontractor. The Contractor shall take such action with respect to any subcontractor as necessary to enforce such provisions, including sanctions provided for noncompliance.

Article IX

The Contractor shall allow the maximum feasible opportunity to small business enterprises to compete for any subcontracts entered into pursuant to this contract. (In federally funded contracts the terms "DBE, MBE and WBE" shall be substituted for the term "small business" in this Article.)

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

IN WITNESS WHEREOF, the Contractor has hereunto set his/her hand and seal and the City has caused these presents to be sealed with its corporate seal and to be subscribed by its Mayor and City Clerk the day and year first above written.



Countersigned:

William J. Pukuck 9-17-14
 Witness Date
William J. Pukuck 9-17-14
 Witness Date

S & L UNDERGROUND AND TRUCKING, INC.
 Company Name
B. J. Z... 9-17-14
 President Date
Shawn Slay 9-17-14
 Secretary Date

CITY OF MADISON, WISCONSIN

Provisions have been made to pay the liability that will accrue under this contract.

Approved as to form:

Paul H. Medrick
 Finance Director
 Signed this 30th day of September, 2014
[Signature]
 Witness
Jean K. Plasz
 Witness

William P. My...
 City Attorney
Paul [Signature] 9/30/14
 Mayor Date
Mad [Signature] for 9/19/14
 City Clerk Date

SECTION I: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we **S & L UNDERGROUND AND TRUCKING, INC.** as principal, and Granite Re, Inc. Company of Oklahoma as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of **FOUR HUNDRED FORTY-NINE THOUSAND NINE HUNDRED EIGHTY-FIVE AND 80/100 (\$449,985.80)** Dollars, lawful money of the United States, for the payment of which sum to the City of Madison, we hereby bind ourselves and our respective executors and administrators firmly by these presents.

The condition of this Bond is such that if the above bounden shall on his/her part fully and faithfully perform all of the terms of the Contract entered into between him/herself and the City of Madison for the construction of:

**WARNER PARK CUNETTE REPLACEMENT
CONTRACT NO. 7200**

in Madison, Wisconsin, and shall pay all claims for labor performed and material furnished in the prosecution of said work, and save the City harmless from all claims for damages because of negligence in the prosecution of said work, and shall save harmless the said City from all claims for compensation (under Chapter 102, Wisconsin Statutes) of employees and employees of subcontractor, then this Bond is to be void, otherwise of full force, virtue and effect.

Signed and sealed this 17th day of September, 2014

Countersigned:

[Signature]
Witness

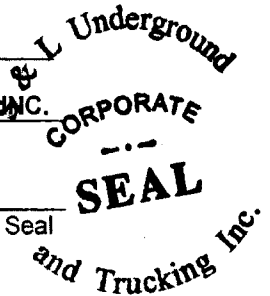
[Signature]
Secretary

Approved as to form:

[Signature]
City Attorney

S & L UNDERGROUND AND TRUCKING, INC.
Company Name (Principal)

[Signature]
President



Granite Re, Inc.

Surety Seal
 Salary Employee Commission

By [Signature]
Attorney-in-Fact Robert Downey

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2587534 for the year 20 14, and appointed as attorney-in-fact with authority to execute this payment and performance bond which power of attorney has not been revoked.

September 17th, 2014
Date

[Signature]
Agent Signature Robert Downey

GRANITE RE, INC.
GENERAL POWER OF ATTORNEY

Know all Men by these Presents:

That GRANITE RE, INC., a corporation organized and existing under the laws of the State of OKLAHOMA and having its principal office at the City of OKLAHOMA CITY in the State of OKLAHOMA does hereby constitute and appoint:

MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH its true and lawful Attorney-in-Fact(s) for the following purposes, to wit:

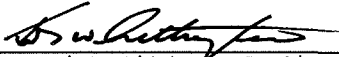
To sign its name as surety to, and to execute, seal and acknowledge any and all bonds, and to respectively do and perform any and all acts and things set forth in the resolution of the Board of Directors of the said GRANITE RE, INC. a certified copy of which is hereto annexed and made a part of this Power of Attorney; and the said GRANITE RE, INC. through us, its Board of Directors, hereby ratifies and confirms all and whatsoever the said:

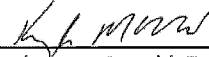
MICHAEL J. DOUGLAS; CHRIS STEINAGEL; CHRISTOPHER M. KEMP; KARLA HEFFRON; ROBERT DOWNEY; CONNIE SMITH may lawfully do in the premises by virtue of these presents.

In Witness Whereof, the said GRANITE RE, INC. has caused this instrument to be sealed with its corporate seal, duly attested by the signatures of its President and Secretary/Treasurer, this 3rd day of July, 2013.

STATE OF OKLAHOMA)
) SS:
COUNTY OF OKLAHOMA)





Kenneth D. Whittington, President


Kyle P. McDonald, Treasurer

On this 3rd day of July, 2013, before me personally came Kenneth D. Whittington, President of the GRANITE RE, INC. Company and Kyle P. McDonald, Secretary/Treasurer of said Company, with both of whom I am personally acquainted, who being by me severally duly sworn, said, that they, the said Kenneth D. Whittington and Kyle P. McDonald were respectively the President and the Secretary/Treasurer of GRANITE RE, INC., the corporation described in and which executed the foregoing Power of Attorney; that they each knew the seal of said corporation; that the seal affixed to said Power of Attorney was such corporate seal, that it was so fixed by order of the Board of Directors of said corporation, and that they signed their name thereto by like order as President and Secretary/Treasurer, respectively, of the Company.

My Commission Expires:
August 8, 2017
Commission #: 01013257





Kathleen E. Carlson
Notary Public

GRANITE RE, INC.
Certificate

THE UNDERSIGNED, being the duly elected and acting Secretary/Treasurer of Granite Re, Inc., an Oklahoma Corporation, HEREBY CERTIFIES that the following resolution is a true and correct excerpt from the July 15, 1987, minutes of the meeting of the Board of Directors of Granite Re, Inc. and that said Power of Attorney has not been revoked and is now in full force and effect.

"RESOLVED, that the President, any Vice President, the Secretary, and any Assistant Vice President shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the Company in the course of its business. On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the Company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

IN WITNESS WHEREOF, the undersigned has subscribed this Certificate and affixed the corporate seal of the Corporation this 17 day of Sept, 2013.





Kyle P. McDonald, Secretary/Treasurer

SECTION J: PREVAILING WAGE RATES

PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin
Department of Workforce Development
Pursuant to s. 66.0903, Wis. Stats.
Issued On: 01/06/2014
Amended On: 02/28/2014

DETERMINATION NUMBER: 201400001

EXPIRATION DATE: Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2014. If NOT, You MUST Reapply.

PROJECT NAME: ALL PUBLIC WORKS PROJECTS UNDER SEC 66.0903, STATS - CITY OF MADISON

PROJECT LOCATION: MADISON CITY, DANE COUNTY, WI

CONTRACTING AGENCY: CITY OF MADISON-ENGINEERING

CLASSIFICATION:	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm .
OVERTIME:	<p>Time and one-half must be paid for all hours worked:</p> <ul style="list-style-type: none">- over 10 hours per day on prevailing wage projects- over 40 hours per calendar week- Saturday and Sunday- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;- The day before if January 1, July 4 or December 25 falls on a Saturday;- The day following if January 1, July 4 or December 25 falls on a Sunday. <p>Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime.</p> <p>A DOT Premium (discussed below) may supersede this time and one-half requirement.</p>
FUTURE INCREASE:	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
PREMIUM PAY:	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
DOT PREMIUM:	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
APPRENTICES:	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
SUBJOURNEY:	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place on **the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.

s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR" for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

s. 66.0903 (11) LIABILITY AND PENALTIES.

1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.
2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.
3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.
5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
101	Acoustic Ceiling Tile Installer	30.48	15.90	46.38
102	Boilermaker Future Increase(s): Add \$1.50/hr on 1/01/2015; Add \$1.50/hr. on 01/01/2016	32.05	28.04	60.09
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.01	17.35	49.36
104	Cabinet Installer	30.48	15.90	46.38
105	Carpenter	30.48	15.90	46.38
106	Carpet Layer or Soft Floor Coverer	30.48	15.90	46.38
107	Cement Finisher	31.58	16.13	47.71
108	Drywall Taper or Finisher	24.80	16.60	41.40
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.07	19.25	53.32
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	24.72	0.00	24.72
112	Fire Sprinkler Fitter	36.07	18.73	54.80
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	33.68	24.31	57.99
115	Insulator (Batt or Blown)	15.00	9.50	24.50
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	15.90	46.38

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
118	Line Constructor (Electrical)	38.25	17.31	55.56
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	17.35	49.36
121	Metal Building Erector	22.00	10.00	32.00
122	Millwright	32.11	15.95	48.06
123	Overhead Door Installer	20.95	4.94	25.89
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
127	Pipeline Fuser or Welder (Gas or Utility)	30.79	19.74	50.53
129	Plasterer	31.03	17.71	48.74
130	Plumber Future Increase(s): Add \$1/hr on 6/1/2014.	36.42	16.87	53.29
132	Refrigeration Mechanic	41.60	16.71	58.31
133	Roofer or Waterproofer	29.40	6.25	35.65
134	Sheet Metal Worker	34.45	22.57	57.02
135	Steamfitter Future Increase(s): Add \$1.70/hr on 6/1/2014.	42.95	17.81	60.76
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.25	12.24	34.49
138	Temperature Control Installer	32.94	18.80	51.74
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.85	17.18	41.03
142	Tile Setter	29.81	17.18	46.99
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	34.48	15.90	50.38
146	Well Driller or Pump Installer	25.32	15.65	40.97
147	Siding Installer	25.92	18.04	43.96

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle	32.39	18.46	50.85
203	Three or More Axle	18.00	22.88	40.88
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	18.00	22.88	40.88
207	Truck Mechanic	18.00	22.88	40.88

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
301	General Laborer Premium Increase(s): Add \$1.00/hr for certified welder; Add \$.25/hr for mason tender	24.21	14.63	38.84
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper	21.01	9.37	30.38
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	21.01	13.63	34.64
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	18.33	13.65	31.98
314	Railroad Track Laborer	23.46	3.30	26.76
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket).	33.42	18.96	52.38
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under).	32.89	18.96	51.85
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.82	18.96	49.78
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for Friction Crane, Lattice Boom or Crane Certification (CCO).	41.65	21.71	63.36
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	37.10	21.57	58.67

507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54
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**HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Premium Increase(s): Add \$.50/hr for >200 Ton / Add \$1/hr at 300 Ton / Add \$1.50/hr at 400 Ton / Add \$2/hr at 500 Ton & Over.	35.62	18.96	54.58
509	Backhoe (Track Type) Having a Mfg'r's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over).	36.35	6.95	43.30
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type).	33.42	18.96	52.38
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.82	18.96	49.78
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	24.19	17.89	42.08
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment).	36.34	21.14	57.48
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment). Future Increase(s): Add \$1.60/hr on 06/01/2014; Add \$1.65/hr on 06/01/2015.	32.32	18.55	50.87
516	Fiber Optic Cable Equipment Future Increase(s): Add \$1.75/hr on 02/01/2014.	27.89	17.20	45.09

SEWER, WATER OR TUNNEL CONSTRUCTION

Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.10	18.40	53.50
105	Carpenter Future Increase(s): Add \$1.25/hr on 6/2/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.68	19.81	53.49
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	32.82	22.61	55.43
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
125	Pavement Marking Operator	16.00	7.35	23.35
126	Piledriver	30.98	15.90	46.88
130	Plumber	33.75	14.07	47.82
135	Steamfitter	42.45	16.71	59.16
137	Teledata Technician or Installer	21.89	11.85	33.74

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	20.17	58.97
146	Well Driller or Pump Installer	25.32	15.65	40.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	29.16	14.34	43.50
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00
203	Three or More Axle	16.00	7.35	23.35
204	Articulated, Euclid, Dumptror, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	16.00	7.35	23.35
207	Truck Mechanic	16.00	7.35	23.35

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Premium Increase(s): Add \$.20 for blaster, bracer, manhole builder, caulker, bottomman and power tool; Add \$.55 for pipelayer; Add \$1.00 for tunnel work 0-15 lbs. compressed air; Add \$2.00 for over 15-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	25.60	14.62	40.22
303	Landscaper	25.28	11.46	36.74
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
SEWER, WATER OR TUNNEL WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
521	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver. Premium Increase(s): Add \$.25/hr for all >45 Ton lifting capacity cranes	34.62	18.96	53.58
522	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader & Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type).	33.42	18.96	52.38
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket).	32.89	18.96	51.85

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames. Future Increase(s): Add \$1.05/hr on 6/2/2014; Add \$1.55/hr on 6/1/2015. Premium Increase(s): Add \$.25/hr for operating tower crane.	35.11	19.45	54.56
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.19	20.94	51.13
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	24.19	17.89	42.08
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54

AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION

Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

SKILLED TRADES

CODE	TRADE OR OCCUPATION	FRINGE BENEFITS MUST BE PAID ON <u>All</u> Hours Worked	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
			\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason		32.01	17.35	49.36
105	Carpenter		30.48	15.90	46.38
107	Cement Finisher Future Increase(s): Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.		33.51	16.13	49.64
109	Electrician Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.		34.07	19.25	53.32
111	Fence Erector		24.72	0.00	24.72
116	Ironworker		31.25	19.46	50.71
118	Line Constructor (Electrical)		38.25	17.31	55.56
124	Painter		21.87	11.37	33.24
125	Pavement Marking Operator		30.00	0.00	30.00
126	Piledriver		30.98	15.90	46.88
133	Rofer or Waterproofer		29.40	6.25	35.65
137	Teledata Technician or Installer		21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner		35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)		34.48	15.90	50.38
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY		34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY		35.50	15.89	51.39

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45
TRUCK DRIVERS				

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
201	Single Axle or Two Axle	34.22	19.90	54.12
203	Three or More Axle Future Increase(s): Add \$1.30/hr on 6/1/2014. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	24.52	17.77	42.29
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/14); Add \$1.25/hr on 6/1/15); Add \$1.30/hr on 6/1/16); Add \$1.25/hr on 6/1/17. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm .	29.27	20.40	49.67
205	Pavement Marking Vehicle	23.31	17.13	40.44
206	Shadow or Pilot Vehicle	34.22	19.90	54.12
207	Truck Mechanic	23.31	17.13	40.44

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.10/hr for topman, air tool operator, vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.15/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.20/hr for blaster and powderman; Add \$.25/hr for bottomman; Add \$.35/hr for line and grade specialist; Add \$.45/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
302	Asbestos Abatement Worker	24.36	14.44	38.80
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.32	14.63	43.95
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	25.67	14.63	40.30
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm .	36.72	20.40	57.12
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
533	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/business/civilrights/laborwages/pwc.htm.</p>	35.72	20.40	56.12

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
534	<p>Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm.</p>	35.46	20.40	55.86
535	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm.</p>	35.17	20.40	55.57
536	Fiber Optic Cable Equipment.	26.69	16.65	43.34
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	34.50	20.04	54.54

LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION

Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
103	Bricklayer, Blocklayer or Stonemason	32.01	17.35	49.36
105	Carpenter	32.93	19.93	52.86
107	Cement Finisher	31.48	15.68	47.16
109	Electrician	31.27	22.81	54.08
111	Fence Erector	24.72	0.00	24.72
116	Ironworker	31.25	19.46	50.71
118	Line Constructor (Electrical)	38.25	17.31	55.56
124	Painter	24.50	16.60	41.10
125	Pavement Marking Operator	30.00	0.00	30.00
126	Piledriver	30.98	15.90	46.88
133	Rofer or Waterproofer	29.40	6.25	35.65
137	Teledata Technician or Installer	21.89	11.85	33.74
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	20.17	58.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	34.43	15.24	49.67
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	30.60	14.86	45.46
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	26.78	13.63	40.41
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	24.86	12.97	37.83
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.75	12.70	34.45

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
201	Single Axle or Two Axle	30.00	15.00	45.00

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
203	Three or More Axle	17.00	0.00	17.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	32.89	18.96	51.85
205	Pavement Marking Vehicle	17.00	0.00	17.00
206	Shadow or Pilot Vehicle	30.00	15.00	45.00
207	Truck Mechanic	17.00	0.00	17.00

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
301	General Laborer	28.07	13.25	41.32
303	Landscaper Future Increase(s): Add \$1.60/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	29.04	14.63	43.67
304	Flagperson or Traffic Control Person	24.70	10.72	35.42
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
314	Railroad Track Laborer	23.46	3.30	26.76

**HEAVY EQUIPMENT OPERATORS
CONCRETE PAVEMENT OR BRIDGE WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
541	<p>Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm.</p>	36.72	20.40	57.12
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. & Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm.</p>	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
543	<p>Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.</p> <p>Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm.</p>	35.72	20.40	56.12
544	<p>Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p>	33.96	19.79	53.75
545	<p>Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p>	30.32	18.46	48.78
546	Fiber Optic Cable Equipment	26.69	16.65	43.34

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	20.17	58.97
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	38.80	20.17	58.97
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	34.50	20.04	54.54
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	34.50	20.04	54.54

**HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK**

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	35.12	18.46	53.58
552	Backhoe (Track Type) Having a Mfg.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm .	36.22	20.40	56.62

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
CODE	TRADE OR OCCUPATION	\$	\$	\$
553	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb & Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.	32.89	18.96	51.85
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler.	33.67	19.48	53.15
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$1.75/hr on 6/1/2014); Add \$1.25/hr on 6/1/2015); Add \$1.30/hr on 6/1/2016); Add \$1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.50/hr night work premium. See DOT'S website for details about the applicability of this night work premium at: http://www.dot.wi.gov/busines/civilrights/laborwages/pwc.htm .	35.17	20.40	55.57
556	Fiber Optic Cable Equipment.	26.69	16.65	43.34

RESIDENTIAL OR AGRICULTURAL CONSTRUCTION

Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

SKILLED TRADES

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked		HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	\$	\$	\$
101	Acoustic Ceiling Tile Installer Future Increase(s): Add \$1.25/hr on 6/2/2014.	33.68	19.81	53.49
102	Boilermaker	26.00	4.73	30.73
103	Bricklayer, Blocklayer or Stonemason	32.01	13.26	45.27
104	Cabinet Installer	22.00	1.05	23.05
105	Carpenter	30.48	3.24	33.72
106	Carpet Layer or Soft Floor Coverer	23.68	3.20	26.88
107	Cement Finisher	20.93	5.94	26.87
108	Drywall Taper or Finisher	22.50	0.88	23.38
109	Electrician	27.50	7.47	34.97
110	Elevator Constructor	42.86	23.84	66.70
111	Fence Erector	18.52	4.89	23.41
112	Fire Sprinkler Fitter	52.82	5.54	58.36
113	Glazier	38.03	13.42	51.45
114	Heat or Frost Insulator	30.00	0.00	30.00
115	Insulator (Batt or Blown)	19.00	14.33	33.33
116	Ironworker	31.25	19.46	50.71
117	Lather	30.48	3.24	33.72
119	Marble Finisher	26.89	19.18	46.07
120	Marble Mason	32.01	13.26	45.27
121	Metal Building Erector	17.00	3.82	20.82
123	Overhead Door Installer	12.00	0.00	12.00
124	Painter	20.00	4.22	24.22

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
125	Pavement Marking Operator	30.00	0.00	30.00
129	Plasterer	25.00	0.00	25.00
130	Plumber	30.00	10.62	40.62
132	Refrigeration Mechanic	19.75	8.56	28.31
133	Roofer or Waterproofer	17.00	3.72	20.72
134	Sheet Metal Worker	21.03	3.40	24.43
135	Steamfitter	31.72	16.10	47.82
137	Teledata Technician or Installer	24.75	8.09	32.84
138	Temperature Control Installer	22.50	0.70	23.20
139	Terrazzo Finisher	26.89	19.18	46.07
140	Terrazzo Mechanic	30.20	18.42	48.62
141	Tile Finisher	23.77	16.50	40.27
142	Tile Setter	21.00	0.00	21.00
143	Tuckpointer, Caulker or Cleaner	32.50	0.02	32.52
146	Well Driller or Pump Installer	27.60	5.80	33.40
147	Siding Installer	20.18	0.00	20.18

TRUCK DRIVERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
201	Single Axle or Two Axle	28.05	4.16	32.21
203	Three or More Axle	18.00	2.37	20.37
205	Pavement Marking Vehicle	18.00	2.37	20.37
207	Truck Mechanic	19.00	1.85	20.85

LABORERS

Fringe Benefits Must Be Paid On <u>All</u> Hours Worked				
CODE	TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY	HOURLY FRINGE BENEFITS	TOTAL
		\$	\$	\$
301	General Laborer	18.14	10.16	28.30
302	Asbestos Abatement Worker	17.00	3.86	20.86

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
303	Landscaper	30.00	0.00	30.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	18.31	12.67	30.98
315	Final Construction Clean-Up Worker	16.00	0.00	16.00

**HEAVY EQUIPMENT OPERATORS
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

Fringe Benefits Must Be Paid On All Hours Worked

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	29.70	20.08	49.78
558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	29.70	16.00	45.70

***** END OF RATES *****