Contract Routing Form

ROUTING: Routine printed on: 04/11/2014

Contract between: Joe Daniels Construction Co Inc
and Dept. or Division: Engineering Division
Name/Phone Number:

Project: Tenney Park Concerte Bridge Historic Restoration 2014

Contract No.: 7266 File No.: 33378
Enactment No.: ~~RES-14~~-00255 Enactment Date: 04/08/2014
Dollar Amount: 214,897.00

(Please DATE before routing)

Signatures Required	Date Received	Date Signed
City Clerk	4.11.14	4-11-2014
Director of Civil Rights	4-14-14	4/21/14 MGD,
Risk Manager COI Attached		4/22/14 RSR
Finance Director	4-22-14	4-23-14 Rm
City Attorney	4-23-14	4-24-14
Mayor	4-25-14	4-25-14

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

Original + 2 Copies

pd# BIS 37266

04/11/2014 14:41:32 enjls - Tom Maglio, 266-6518

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

CERTIFICATE OF LIABILITY INSURANCE

DATE(MM/DD/YYYY) 03/26/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Aon Risk Services Central, Inc. Green Bay WI Office 111 N. Washington Street, Suite 300 P. O. Box 23004 Green Bay WI 54305-3004 USA	CONTACT NAME: PHONE (A/C. No. Ext): (920) 437-7123 FAX (A/C. No.): (920) 431-6345 E-MAIL ADDRESS:
INSURED Joe Daniels Construction Company, Inc. 919 Applegate Road Madison WI 53713 USA	INSURER(S) AFFORDING COVERAGE / NAIC # INSURER A: ACUITY, A Mutual Insurance Company 14184 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:

Holder Identifier :

COVERAGES **CERTIFICATE NUMBER:** 570053224703 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS. Limits shown are as requested

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE [X] OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY [X] PRO-JECT [X] LOC OTHER:			K87440 Package	04/01/2014	04/01/2015	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$1,000,000 $1,000,000 $10,000 $1,000,000 $3,000,000 $3,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO ALL OWNED AUTOS HIRED AUTOS SCHEDULED AUTOS NON-OWNED AUTOS			K87440 Package	04/01/2014	04/01/2015	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$1,000,000
A	X UMBRELLA LIAB X OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION			K87440 Package	04/01/2014	04/01/2015	EACH OCCURRENCE AGGREGATE	$10,000,000 $10,000,000
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR / PARTNER / EXECUTIVE OFFICER/MEMBER EXCLUDED? Y/N [N] N/A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	K87440 Package	04/01/2014	04/01/2015	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE-EA EMPLOYEE E.L. DISEASE-POLICY LIMIT	$100,000 $100,000 $500,000

Certificate No : 570053224703

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

ADDITIONAL INSURED ON THE GENERAL LIABILITY THE CITY OF MADISON AS RESPECTS THE WORK BEING DONE PER BLANKET ADDITIONAL INSURED ENDORSEMENT.

COPY

INS. O.K. Pos
3.31.14 MCL MS SO

CERTIFICATE HOLDER

CITY OF MADISON
CITY COUNTY BUILDING
MADISON WI 53703 USA

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Aon Risk Services Central, Inc.

File #:	33378 Version: 1	Name:	Awarding Public Works Contract No. 7266, Tenney Park Concrete Bridge Historic Restoration - 2014.
Type:	Resolution	Status:	Passed
File created:	3/7/2014	In control:	BOARD OF PUBLIC WORKS
On agenda:	4/8/2014	Final action:	4/8/2014
Enactment date:	4/10/2014	Enactment #:	RES-14-00255
Title:	Awarding Public Works Contract No. 7266, Tenney Park Concrete Bridge Historic Restoration - 2014.		
Sponsors:	BOARD OF PUBLIC WORKS		
Attachments:	1. Contract 7266.pdf		

Fiscal Note
Budget authority is available in the Acct. Nos. listed on the attached.
Title
Awarding Public Works Contract No. 7266, Tenney Park Concrete Bridge Historic Restoration - 2014.
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. 7266) for itemization of bids.

PROJECT	CONTRACTOR	AMOUNT OF BID

CONTRACT NO. 7266
TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014

JOE DANIELS CONSTRUCTION CO., INC $214,897.00

Acct. No. CL60-58255-810687-00-0000000-60108C00	$214,897.00
Contingency 8%±	17,203.00
GRAND TOTAL	$232,100.00

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Contingency 8%±	17,203.00
GRAND TOTAL	$232,100.00

Wisconsin Office of the Commissioner of Insurance
Licensed Producer Search*

Friday, April 4, 2014

MCKENNA, PATRICK A
MADISON WI

Year of Birth: 1959
Status: Active
License Number: 2349196
NPN**: 650765
Effective Date: 06-27-1996
Expiration Date: 04-30-2014
License Type: Resident Intermediary Indv
CE Compliance: 04-30-2014

Lines of Authority

Line of Authority	Residency	Effective Date	Status
Property	Resident	06-27-1996	Active
Casualty	Resident	06-27-1996	Active

Appointments and Terminations

Company Name	Qualification Type/Status	Effective Date	Termination Date	Termination Reason
ACE American Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
ACE Fire Underwriters Insurance Company	CAS/Inactive	06-23-1999	10-01-2002	Inadequate Production
	PROP/Inactive	06-23-1999	10-01-2002	Inadequate Production
ACE Property and Casualty Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
ACUITY, A Mutual Insurance Company	CAS/Active	08-14-2007		
	CAS/Inactive	07-30-1996	08-07-2007	Canceled
	PROP/Active	08-14-2007		
	PROP/Inactive	07-30-1996	08-07-2007	Canceled
Addison Insurance Company	CAS/Active	09-19-2007		
	PROP/Active	09-19-2007		
ALLIED Property and Casualty Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
AMCO Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
American and Foreign Insurance Company	CAS/Inactive	10-04-2000	02-10-2005	Canceled
	PROP/Inactive	10-04-2000	02-07-2005	Canceled

American Casualty Company of Reading, Pennsylvania	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
American Economy Insurance Company	CAS/Active	02-10-1998		
	PROP/Active	02-10-1998		
American Guarantee and Liability Insurance Company	CAS/Active	06-08-1999		
	PROP/Active	06-08-1999		
American Insurance Company, The	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
American Manufacturers Mutual Insurance Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
American Motorists Insurance Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
American Protection Insurance Company	CAS/Inactive	08-20-1996	02-02-2005	Canceled
	PROP/Inactive	08-20-1996	02-02-2005	Canceled
American States Insurance Company	CAS/Inactive	02-10-1998	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	02-10-1998	11-20-2009	Vol. Surrender per Agent Rqst
American Zurich Insurance Company	CAS/Active	06-08-1999		
	PROP/Active	06-08-1999		
Arrowood Indemnity Company	CAS/Inactive	10-04-2000	08-28-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	10-04-2000	08-28-2006	Vol. Surrender per Agent Rqst
Artisan and Truckers Casualty Company	CAS/Inactive	01-15-2008	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-15-2008	06-30-2008	Vol. Surrender per Agent Rqst
Associated Indemnity Corporation	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Assurance Company of America	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Automobile Insurance Company of Hartford, Connecticut, The	CAS/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-14-2001	11-28-2005	Vol. Surrender per

				Agent Rqst
AXIS Insurance Company	CAS/Inactive	07-25-1996	01-06-2005	Inadequate Production
	PROP/Inactive	07-25-1996	01-06-2005	Inadequate Production
Bankers Standard Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Berkley Regional Insurance Company	CAS/Inactive	04-22-2005	03-03-2014	Canceled
	PROP/Inactive	04-22-2005	03-03-2014	Canceled
Bituminous Casualty Corporation	CAS/Active	06-30-2005		
	PROP/Active	06-30-2005		
Bituminous Fire and Marine Insurance Company	CAS/Active	06-30-2005		
	PROP/Active	06-30-2005		
Capitol Indemnity Corporation	CAS/Active	07-24-1996		
	PROP/Active	07-24-1996		
Charter Oak Fire Insurance Company, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Chubb Indemnity Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Chubb National Insurance Company	CAS/Active	05-12-2008		
	PROP/Active	05-12-2008		
Cincinnati Casualty Company, The	CAS/Active	08-17-2007		
	PROP/Active	08-17-2007		
Cincinnati Indemnity Company, The	CAS/Active	08-17-2007		
	PROP/Active	08-17-2007		
Cincinnati Insurance Company, The	CAS/Active	08-17-2007		
	PROP/Active	08-17-2007		
Citizens Insurance Company of America	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
Consolidated Insurance Company	CAS/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst

	PROP/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
Continental Casualty Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Continental Insurance Company, The	CAS/Inactive	02-24-2006	09-15-2008	Canceled
	PROP/Inactive	02-24-2006	09-15-2008	Canceled
Continental Western Insurance Company	CAS/Inactive	08-12-2005	04-24-2009	Canceled
	PROP/Inactive	08-12-2005	04-24-2009	Canceled
Depositors Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
Donegal Mutual Insurance Company	CAS/Active	11-09-2012		
	PROP/Active	11-09-2012		
Emcasco Insurance Company	CAS/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
Employers Insurance Company of Wausau	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
Employers Mutual Casualty Company	CAS/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-21-2007	12-16-2013	Vol. Surrender per Agent Rqst
Executive Risk Indemnity Inc.	CAS/Active	05-12-2008		
	CAS/Inactive	06-16-2000	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	06-16-2000	12-26-2006	Canceled
Fairmont Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Fairmont Premier Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Farmington Casualty Company	CAS/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-19-1996	11-20-2000	Vol. Surrender per

				Agent Rqst
Federal Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Fidelity and Deposit Company of Maryland	CAS/Active	07-23-1996		
	PROP/Active	07-23-1996		
Fidelity and Guaranty Insurance Company	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
Fidelity and Guaranty Insurance Underwriters, Inc.	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
Fireman's Fund Insurance Company	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Firemen's Insurance Company of Newark, New Jersey	CAS/Inactive	12-11-1996	01-22-1999	Inadequate Production
	PROP/Inactive	12-11-1996	01-22-1999	Inadequate Production
First Liberty Insurance Corporation, The	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
First National Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
General Casualty Company of Wisconsin	CAS/Active	08-16-2007		
	PROP/Active	08-16-2007		
General Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
Globe Indemnity Company	CAS/Inactive	10-04-2000	02-07-2005	Canceled
	PROP/Inactive	10-04-2000	02-07-2005	Canceled
Great American Alliance Insurance Company	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great American	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production

Assurance Company	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great American Insurance Company	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great American Insurance Company of New York	CAS/Inactive	07-26-1996	01-07-2002	Inadequate Production
	PROP/Inactive	07-26-1996	01-07-2002	Inadequate Production
Great Northern Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Guarantee Company of North America USA, The	CAS/Active	07-28-1998		
Gulf Insurance Company	CAS/Inactive	09-10-1996	06-30-2005	Inadequate Production
	PROP/Inactive	09-10-1996	06-30-2005	Inadequate Production
Hanover Insurance Company, The	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
Hartford Casualty Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
Hartford Fire Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
Hartford Insurance Company of the Midwest	CAS/Inactive	04-26-2000	10-31-2008	Canceled
	PROP/Inactive	04-26-2000	10-31-2008	Canceled
Hartford Steam Boiler Inspection and Insurance Company, The	CAS/Inactive	05-12-1999	10-30-2008	Canceled
	PROP/Inactive	05-12-1999	10-21-2008	Canceled
Hartford Underwriters Insurance Company	CAS/Inactive	04-26-2000	10-31-2008	Canceled
	PROP/Inactive	04-26-2000	10-31-2008	Canceled
Hawkeye-Security Insurance Company	CAS/Inactive	01-14-2003	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2003	11-20-2009	Vol. Surrender per Agent Rqst
HDI-Gerling America Insurance Company	CAS/Active	09-08-2005		
	PROP/Active	09-08-2005		
HIH America Compensation & Liability Insurance Company	CAS/Inactive	04-08-1999	05-11-2001	Company Defunct or Liquidation
	PROP/Inactive	04-08-1999	05-11-2001	Company Defunct or Liquidation

Indemnity Insurance Company of North America	CAS/Inactive	06-23-1999	10-01-2002	Inadequate Production
	PROP/Inactive	06-23-1999	10-01-2002	Inadequate Production
Indiana Insurance Company	CAS/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-24-2000	11-20-2009	Vol. Surrender per Agent Rqst
Insurance Company of North America	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Liberty Mutual Fire Insurance Company	CAS/Inactive	03-13-2006	12-06-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-13-2006	12-06-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
Liberty Mutual Insurance Company	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
LM Insurance Corporation	CAS/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-14-2002	12-27-2005	Vol. Surrender per Agent Rqst
Lumbermens Mutual Casualty Company	CAS/Inactive	08-20-1996	02-17-2005	Canceled
	PROP/Inactive	08-20-1996	02-17-2005	Canceled
Maryland Casualty Company	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Massachusetts Bay Insurance Company	CAS/Inactive	12-18-1997	08-03-2005	Inadequate Production
	PROP/Inactive	12-18-1997	08-03-2005	Inadequate Production
Merchants Bonding Company (Mutual)	CAS/Active	08-20-2007		
	CAS/Inactive	07-19-1996	09-27-2005	Canceled
Merchants National Bonding, Inc.	CAS/Active	02-06-2013		
MetLife Insurance Company of Connecticut	CAS/Inactive	09-04-1996	04-21-2003	Inadequate Production
Middlesex Mutual Assurance Company	CAS/Inactive	03-08-2006	01-17-2011	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-08-2006	01-17-2011	Vol. Surrender per

				Agent Rqst
Midwest Family Mutual Insurance Company	CAS/Active	03-11-2014		
	PROP/Active	03-11-2014		
National Fire Insurance Company of Hartford	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
National Surety Corporation	CAS/Inactive	07-25-1996	09-29-2005	Inadequate Production
	PROP/Inactive	07-25-1996	09-29-2005	Inadequate Production
Nationwide Affinity Insurance Company of America	CAS/Inactive	04-11-2005	04-07-2010	Canceled
	PROP/Inactive	04-11-2005	04-07-2010	Canceled
Nationwide Mutual Insurance Company	CAS/Inactive	07-14-2003	04-07-2010	Canceled
	PROP/Inactive	07-14-2003	04-07-2010	Canceled
Navigators Insurance Company	CAS/Inactive	02-19-2004	04-30-2008	Canceled
	PROP/Inactive	02-19-2004	04-30-2008	Canceled
Netherlands Insurance Company, The	CAS/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
North American Specialty Insurance Company	CAS/Active	09-18-2000		
	PROP/Active	09-18-2000		
North River Insurance Company, The	CAS/Inactive	12-23-1996	12-17-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	12-23-1996	12-17-2009	Vol. Surrender per Agent Rqst
Northern Insurance Company of New York	CAS/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-09-1998	07-23-2012	Vol. Surrender per Agent Rqst
Northwestern National Casualty Company	CAS/Inactive	04-14-1999	02-28-2001	Vol. Surrender per Agent Rqst
	PROP/Inactive	04-14-1999	02-28-2001	Vol. Surrender per Agent Rqst
Old Republic Insurance Company	CAS/Active	08-07-2007		
	CAS/Inactive	08-02-1996	04-20-2005	Canceled
	PROP/Inactive	08-02-1996	04-20-2005	Canceled
Old Republic Surety Company	CAS/Active	08-07-2007		
	CAS/Inactive	08-02-1996	04-20-2005	Canceled
	PROP/Inactive	08-02-1996	04-20-2005	Canceled

Pacific Employers Insurance Company	CAS/Active	06-23-1999		
	PROP/Active	06-23-1999		
Pacific Indemnity Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Peerless Indemnity Insurance Company	CAS/Inactive	06-21-2004	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-21-2004	11-20-2009	Vol. Surrender per Agent Rqst
Peerless Insurance Company	CAS/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-12-1996	11-20-2009	Vol. Surrender per Agent Rqst
Phoenix Insurance Company, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Pioneer Specialty Insurance Company	CAS/Active	08-01-2013		
	PROP/Active	08-01-2013		
Platte River Insurance Company	CAS/Active	07-12-2005		
	PROP/Active	07-12-2005		
Progressive Classic Insurance Company	CAS/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
Progressive Northern Insurance Company	CAS/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-18-2005	06-30-2008	Vol. Surrender per Agent Rqst
Property and Casualty Insurance Company of Hartford	CAS/Inactive	07-05-2005	10-31-2008	Canceled
	PROP/Inactive	07-05-2005	10-31-2008	Canceled
Regent Insurance Company	CAS/Active	08-16-2007		
	PROP/Active	08-16-2007		
Royal Insurance	CAS/Inactive	10-04-2000	02-08-2005	Canceled

Company of America	PROP/Inactive	10-04-2000	02-07-2005	Canceled
SAFECO Insurance Company of America	CAS/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-24-1996	11-20-2009	Vol. Surrender per Agent Rqst
SAFECO Insurance Company of Illinois	CAS/Inactive	09-27-2008	11-20-2009	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-27-2008	11-20-2009	Vol. Surrender per Agent Rqst
Safeguard Insurance Company	CAS/Inactive	10-04-2000	02-10-2005	Canceled
	PROP/Inactive	10-04-2000	02-10-2005	Canceled
Seaboard Surety Company	CAS/Inactive	08-09-1996	12-05-2005	Inadequate Production
	PROP/Inactive	08-09-1996	12-05-2005	Inadequate Production
Security Insurance Company of Hartford	CAS/Inactive	03-11-2005	08-28-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	03-11-2005	08-28-2006	Vol. Surrender per Agent Rqst
Sheboygan Falls Insurance Company	CAS/Active	11-09-2012		
	PROP/Active	11-09-2012		
SOCIETY INSURANCE, a mutual company	CAS/Active	01-15-2010		
	CAS/Inactive	07-08-2005	11-14-2007	Canceled
	PROP/Active	01-15-2010		
	PROP/Inactive	07-08-2005	11-14-2007	Canceled
St. Paul Fire and Casualty Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Fire and Marine Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Guardian Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Mercury Insurance Company	CAS/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-10-1996	02-09-2007	Vol. Surrender per Agent Rqst
St. Paul Protective Insurance Company	CAS/Inactive	11-04-1998	04-21-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-04-1998	04-21-2003	Vol. Surrender per

				Agent Rqst
Statewide Insurance Company	CAS/Inactive	07-18-1996	04-08-2002	Canceled
	PROP/Inactive	07-18-1996	04-08-2002	Canceled
Stillwater Property and Casualty Insurance Company	CAS/Inactive	01-12-1999	02-21-2000	Inadequate Production
	PROP/Inactive	01-12-1999	02-21-2000	Inadequate Production
TIG Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
TIG Insurance Company of Texas	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
TIG Insurance Corporation of America	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Torus National Insurance Company	CAS/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-11-2000	09-26-2003	Vol. Surrender per Agent Rqst
Transcontinental Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Transportation Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Travelers Casualty and Surety Company	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-19-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-19-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Casualty and Surety Company of America	CAS/Active	02-04-2008		
	CAS/Inactive	07-19-1996	11-09-2007	Canceled
	PROP/Active	02-04-2008		
	PROP/Inactive	07-19-1996	11-09-2007	Canceled
Travelers Casualty Company of Connecticut	CAS/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst

	PROP/Inactive	07-19-1996	11-20-2000	Vol. Surrender per Agent Rqst
Travelers Casualty Insurance Company of America	CAS/Active	09-26-2007		
	CAS/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
Travelers Commercial Insurance Company	CAS/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
	CAS/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
	PROP/Inactive	06-14-2001	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-19-1996	11-22-2000	Vol. Surrender per Agent Rqst
Travelers Constitution State Insurance Company	CAS/Inactive	11-24-1998	12-11-2003	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-24-1998	12-11-2003	Vol. Surrender per Agent Rqst
Travelers Home and Marine Insurance Company, The	CAS/Inactive	11-29-2005	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	11-29-2005	12-29-2006	Vol. Surrender per Agent Rqst
Travelers Indemnity Company of America, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Indemnity Company of Connecticut, The	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Indemnity	CAS/Active	09-26-2007		

Company, The	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Property Casualty Company of America	CAS/Active	09-26-2007		
	CAS/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	CAS/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Active	09-26-2007		
	PROP/Inactive	01-13-2006	12-29-2006	Vol. Surrender per Agent Rqst
	PROP/Inactive	09-04-1996	11-28-2005	Vol. Surrender per Agent Rqst
Travelers Property Casualty Insurance Company	CAS/Inactive	07-22-2005	11-28-2005	Vol. Surrender per Agent Rqst
	PROP/Inactive	07-22-2005	11-28-2005	Vol. Surrender per Agent Rqst
Trumbull Insurance Company	CAS/Inactive	07-05-2005	10-31-2008	Canceled
	PROP/Inactive	07-05-2005	10-31-2008	Canceled
Twin City Fire Insurance Company	CAS/Inactive	04-26-2000	10-26-2009	Canceled
	PROP/Inactive	04-26-2000	10-26-2009	Canceled
United Fire & Casualty Company	CAS/Active	07-26-1996		
	PROP/Active	07-26-1996		
United Pacific Insurance Company	CAS/Inactive	08-27-1996	02-13-2001	Company Merger
	PROP/Inactive	08-27-1996	02-13-2001	Company Merger
United States Fidelity and Guaranty Company	CAS/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-02-1996	02-09-2007	Vol. Surrender per Agent Rqst
United States Fire Insurance Company	CAS/Inactive	12-23-1996	03-08-2004	Canceled
	PROP/Inactive	12-23-1996	03-08-2004	Canceled
United Wisconsin Insurance Company	CAS/Active	03-14-2003		
USF&G Insurance Company of Wisconsin	CAS/Inactive	08-02-1996	01-01-2001	Company Merger
	PROP/Inactive	08-02-1996	01-01-2001	Company Merger

Valiant Insurance Company	CAS/Inactive	09-09-1998	12-05-2007	Canceled
	PROP/Inactive	09-09-1998	12-05-2007	Canceled
Valley Forge Insurance Company	CAS/Inactive	08-21-1996	01-05-2006	Canceled
	PROP/Inactive	08-21-1996	01-05-2006	Canceled
Venture Insurance Company	CAS/Inactive	07-08-2005	01-04-2006	Canceled
	PROP/Inactive	07-08-2005	01-04-2006	Canceled
Vigilant Insurance Company	CAS/Active	05-12-2008		
	CAS/Inactive	09-10-1996	12-26-2006	Canceled
	PROP/Active	05-12-2008		
	PROP/Inactive	09-10-1996	12-26-2006	Canceled
Virginia Surety Company, Inc.	CAS/Inactive	01-28-1997	11-30-1998	Vol. Surrender per Agent Rqst
	PROP/Inactive	01-28-1997	11-30-1998	Vol. Surrender per Agent Rqst
Washington International Insurance Company	CAS/Active	09-07-2001		
	PROP/Active	09-07-2001		
Wausau Business Insurance Company	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
Wausau General Insurance Company	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
Wausau Underwriters Insurance Company	CAS/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	CAS/Inactive	08-23-1996	05-14-2003	Inadequate Production
	PROP/Inactive	07-18-2005	12-10-2007	Vol. Surrender per Agent Rqst
	PROP/Inactive	08-23-1996	05-14-2003	Inadequate Production
West Bend Mutual Insurance Company	CAS/Active	03-13-2008		
	CAS/Inactive	07-08-2005	10-17-2007	Canceled
	PROP/Active	03-13-2008		
	PROP/Inactive	07-08-2005	10-17-2007	Canceled
Western National Mutual Insurance Company	CAS/Active	08-01-2013		
	PROP/Active	08-01-2013		

Western Surety Company	CAS/Active	07-21-2003
Zurich American Insurance Company	CAS/Active PROP/Active	06-08-1999 06-08-1999
Zurich American Insurance Company of Illinois	CAS/Active PROP/Active	06-08-1999 06-08-1999

* 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.

$214,897.00
CONTRACTOR'S OFFICE COPY

BID OF JOE DANIELS CONSTRUCTION CO., INC.

2014

PROPOSAL, CONTRACT, BOND AND SPECIFICATIONS

FOR

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014

CONTRACT NO. 7266

IN

MADISON, DANE COUNTY, WISCONSIN

AWARDED BY THE COMMON COUNCIL
MADISON, WISCONSIN ON **APRIL 8, 2014**

CITY ENGINEERING DIVISION
1600 EMIL STREET
MADISON, WISCONSIN 53713

https://bidexpress.com/login

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

INDEX

This Proposal, and Agreement have
been prepared by:

CITY PARKS DIVISION
CITY OF MADISON
MADISON, DANE COUNTY, WISCONSIN

Kevin Briski, Superintendant of Parks

RFP:

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:	TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO.:	7266
SBE GOAL	15%
BID BOND	5%
PRE BID MEETING (1:00 P.M.)	02/28/14
PREQUALIFICATION APPLICATION DUE (1:00 P.M)	02/28/14
BID SUBMISSION (1:00 P.M.)	03/07/14
BID OPEN (1:30 P.M.)	03/07/14
PUBLISHED IN WSJ	02/14/14 & 02/21/14 & 02/28/14

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)I. 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/Install
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.

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.

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

Small Business Enterprise Compliance Report

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

Cover Sheet

Prime Bidder Information

Company:_____

Address:_____

Telephone Number:_____ Fax Number:_____

Contact Person/Title:_____

Prime Bidder Certification

I, _____, _____ of
Name Title

_____ certify that the information
Company

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

_____ _____
Witness' Signature Bidder's Signature

_____
Date

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%

Subtotal SBE who are NOT suppliers: _____ %

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: _____%.

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

Small Business Enterprise Compliance Report

SBE Contact Report

Submit separate copy of this form for each SBE which you are not able to utilize towards meeting the SBE goal for this project. Attach separate sheets if necessary.

SBE Information

Company:_____

Address:_____

Telephone Number:_____

Contact Person/Title:_____

1. Outline below all efforts to solicit a bid from the above SBE. Include date, means of contact, who from your company made this contact and the result.

_____

_____

_____

2. Describe the information provided to the aforementioned SBE regarding the scope of work for which he/she was to provide a bid.

_____

_____

_____

Is this the same scope of work on which the subcontractor you intend to utilize based his/her bid?

☐ Yes ☐ No

3. Did this SBE submit a bid? ☐ Yes ☐ No

4. Is the General Contractor pre-qualified to self-perform this category of work?

☐ Yes ☐ No

5. If you responded "Yes" to Question 3, please check the items below which apply and provide the requested detail. If you responded "No" to Question 3, please skip ahead to item 6 below.

☐ The SBE listed above is unavailable for work on this project for the following reasons. Provide specific detail for this conclusion.

_____

_____

☐ The SBE listed above is unqualified for work on this project. Provide specific details for this conclusion.

_____

_____

☐ The SBE listed above provided a price that was unreasonable (i.e. more than 5% above the lowest bidder). Provide specific detail for this conclusion including the SBE's price and the price of the subcontractor you intend to utilize.

_____

_____

☐ A contract with the SBE listed above may constitute a breach of the bidder's collective bargaining agreements. Provide specific detail for this conclusion including, but not limited to, correspondence from the SBE indicating it will not sign a project labor agreement and/or correspondence from the applicable trade union indicating a project labor agreement will not be allowed at the time of project bidding.

_____

_____

☐ Other; please specify reason(s) other than listed above which made it impossible for you to utilize this SBE on this project.

_____

_____

6. Describe any other good faith efforts:

_____

_____

SECTION D: SPECIAL PROVISIONS

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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.

Where the State of Wisconsin Department of Transportation Standard Specifications for Highway and Structure Construction, as referenced in these Special Provisions, refers to the "Department", it shall be taken to refer to the City of Madison.

ARTICLE 101–DEFINITIONS AND TERMS

Relationship Between the City and Strand Associates, Inc.® Strand Associates, Inc.® has been hired by the City to prepare drawings and specifications for this project. Additionally, Strand will assist the City by providing shop drawing review, responding to questions that may arise during construction, and provide limited on-site resident engineering services. The City will provide contract administration and is referred to as the City and/or Engineer in the Contract Documents.

Strand Associates, Inc.® will not supervise, direct, control or have authority over or be responsible for Contractor's means, methods, techniques, sequences, or procedures of construction, or safety precautions and programs incidental thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the furnishing or performance of the Work. Strand Associates, Inc.® will not be responsible for Contractor's failure to perform or furnish the Work in accordance with the Contract Documents. Strand Associates, Inc.® will not be responsible for the acts or omissions of Contractor or of any subcontractor, any supplier, or of any person or organization performing or furnishing any of the Work.

During construction, the duties and responsibilities of Strand Associates, Inc.® include the following:

1. Attend one preconstruction meeting with City and Contractor. Attend up to two other construction-related meetings, as necessary.

2. Conduct limited on-site observation of the work.

3. Review Contractor product submittals.

4. Report to City when clarifications and interpretations of the Contract Documents are needed. Consider, evaluate, and report to City the Contractor's requests for modification.

5. Maintain orderly records, keep a log for days visiting site, and furnish periodic reports to City of the progress of the Work.

Strand Associates, Inc.® shall not:

1. Authorize any deviation from the Contract Documents or substitutions of materials or equipment.

2. Exceed limitations of Engineer's authority as set forth in the Contract Documents.

3. Undertake any of the responsibilities of Contractor, Subcontractor, Suppliers or Contractor's superintendent.

4. Advise on, issue directions relative to, or assume control over any aspect of the means, methods, techniques, sequences, or procedures of construction.

5. Advise on, issue directions regarding, or assume control over safety precautions and programs in connection with the Work.

6. Accept shop drawing or sample submittals from anyone other than Contractor.

7. Authorize the City to occupy the Project in whole or in part.

8. Participate in specialized field or laboratory tests or inspections conducted off-site by others except as specifically authorized by City.

SPECIAL PROVISIONS. Add the following to the end of the definitions of **SPECIAL PROVISIONS**:

SPECIAL PROVISIONS include Bid items 90001 through 90016 bound at the end of this document.

ARTICLE 102.9–BIDDER'S UNDERSTANDING

In the preparation of Drawings and Specifications, Strand Associates, Inc.® relied upon the following reports of explorations and tests of materials at the Site which are attached as an appendix at the end of the **SPECIAL PROVISIONS**:

Report dated January 8, 2014, prepared by CGC, Inc., of Madison, Wisconsin, entitled: Concrete, Mortar, and Rebar Testing - Tenney Park Bridges, consisting of 32 pages.

The technical data in the above report, upon which Contractor may rely, consists of sampling methods, laboratory test methods and results, and sampling locations all as of the date made. Engineer accepts no responsibility for accuracy of the technical data in the report.

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 and Heavy Construction
☐ Sewer, Water, and Tunnel Construction
☐ Local Street and Miscellaneous Paving Operations
☐ Residential and Agricultural Construction

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).

SECTION 102.6 REJECTION OF PROPOSALS-SUPPLEMENTAL BIDDER EXPERIENCE REQUIREMENTS FOR HISTORIC PRESERVATION PROJECTS

In order for a Contractor to be determined a responsible bidder on this contract the bidder shall comply with the following requirements:

Any general Contractor who submits a bid for this project must provide the following information for review by the City demonstrating that either they, or their sub contractor who will perform the work, are qualified to complete the work in accordance with the plans and specifications. The General Contractor shall indicate who will perform the work under these bid items and shall submit the following documentation for review by the City with their bid submission:

Marston Street Bridge:

- Provide a list of projects including project name, brief project description, year of completion, and name of foreperson who worked on project demonstrating that Contractor has successfully completed a minimum of 4 projects similar or greater in size and complexity to specified work, of which a minimum of 2 of the projects involved work on a structure listed on either the National or State Register of Historic Places.
- Provide name of foreperson who will lead the work for this project. Foreperson must have experience completing similar type concrete restoration work and shall have served as foreperson for a minimum of 2 of the projects on the list the Contractor is submitting as required above.

Sherman Avenue Bridge:

- Provide a list of projects including project name, brief project description, year of completion, and name of foreperson who worked on project demonstrating that Contractor has successfully completed a minimum of 4 projects similar or greater in size and complexity to specified work, of which a minimum of 2 of the projects involved work on a structure listed on either the National or State Register of Historic Places.
- Provide name of foreperson who will lead the work for this project. Foreperson must have experience completing similar type masonry restoration work and shall have served as foreperson for a minimum of 2 of the projects on the list the Contractor is submitting as required above.

The qualified person(s) listed as having served as foreperson, who has completed the concrete and masonry restoration projects identified in your submission will be required to oversee the concrete and/or masonry restoration work for this contract.

The Bidder Experience Requirements forms:

Bidder Experience Requirements – Concrete
Bidder Experience Requirements – Masonry

will be provided on BID EXPRESS under Section D: Bidder Experience Requirements. The Contractor can upload the form and submit on Bid Express along with the project bid, or the forms may be submitted as a hard copy along with a manual bid at 1:00 PM at the Emil St. Engineering office the day the bids are due.

If the Contractor does not submit this form with their bid, and they are deemed the lowest bidder, they will have one business day to submit this information to the Project Engineer, Thomas J. Maglio, City of Madison Parks Division, City-County Building, Suite 104, 210 MLK Jr. Blvd., Madison, WI, 53703.

If the Contractor fails to provide this form within the guidelines described above the Contractor's proposal will be considered non-responsive.

SECTION 104 SCOPE OF WORK

This project consists of the restoration of two pedestrian bridges at Tenney Park including but not limited to the following:

- Concrete restoration work
- Masonry restoration work
- Asphalt path replacement on and adjacent to the bridges
- Landscape restoration adjacent to the bridges

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 locate utilities and resolve conflicts during the construction process.

Bridge questions should be directed to:
Keith Behrend, PE
Strand Associates, Inc.
608-251-4843 (office); 608-332-5999 (cell)

Site questions should be directed to:
Thomas J. Maglio
City of Madison Parks Division
608-266-6518 (office); 608-576-9673 (cell)

SECTION 104.4 INCREASE OR DECREASE QUANTITIES

Any overruns shall be paid for under the appropriate bid item(s) without any penalty or change to the bid price for the associated bid item. The Contractor shall not be reimbursed for any deletions to the contract. No change to the unit bid price will be allowed for changes to the quantities.

SECTION 104.9 OLD MATERIAL

All old material including fill, concrete, asphalt, etc. that is removed and not used as part of the new work shall be disposed of off-site at the expense of Contractor.

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 OF THE CONTRACTOR

The Contractor shall perform a One Call through Digger's Hotline at least three days prior to beginning construction.

The Contractor will be allowed to store equipment and materials on site as shown on the drawings, with the exact location to be determined at the pre construction meeting. The Contractor shall secure materials at the end of each work day to deter any potential vandalism and theft. The Contractor is responsible for securing all equipment and materials at the end of each work day.

Contractor shall use care while working adjacent to existing structures and utilities. Damage to these items during construction shall be repaired or replaced at Contractor's expense. No trees shall be cut without the approval of Engineer and the City Forester. Contractor shall restore any and all areas damaged as a result of construction operations, including but not limited to, existing pavements and lawn areas. Damaged items shall be restored to their condition prior to construction. Cost of restoration shall be incidental to the contract and shall be at no cost to the City.

SECTION 105.13 ORDER OF COMPLETION

The order of doing the work is subject to the review of the City. Prior to beginning construction, the Contractor shall submit to the City a detailed construction schedule showing the sequence and anticipated dates of all construction operations, as well as a Staging/Phasing Plan for approval by the City. The sequence of scheduled operations may be modified by the City to accommodate specific needs.

SECTION 105.18 PRECONSTRUCTION MEETING

Before starting the work at the project site, a pre-construction meeting will be held at the project site to review schedules, establish procedures for handling shop drawings and other submissions, establish procedures for processing Applications for Payment, review list of proposed subcontractors, establish a working understanding between the parties as to the project, establish procedures for handling review and approval of required mockups, and to discuss project details. Present at the meeting will be representatives of the City of Madison, Strand Associates, Inc.®, and Contractor.

Prior to the preconstruction meeting, the contractor shall visit the site and estimate the total amount of work that will be required for bid items 90010 and 90011. The Contractor and City must agree on the extent of the work under these bid items prior to the work for these bid items being started.

SECTION 106.6 SUBSTITUTE MATERIALS

Whenever in any of the Contract Documents an article or material is defined by describing a proprietary product, or by using the name of a manufacturer or vendor, the term "or equal," if not inserted, shall be implied. The specific article or material mentioned shall be understood as indicating the type, function, minimum standard of design, efficiency, and quality desired, and shall not be construed in such a manner as to exclude manufacturer's products of comparable quality, design and efficiency. If Contractor wishes to furnish or use a proposed substitute, he shall make written application to Strand Associates, Inc.® for approval of such a substitute certifying, in writing, that the proposed substitute will perform adequately the functions called for by the general design, be similar and of equal substance to that specified and be suited to the same use and capable of performing the same function as that specified; stating whether or not its incorporation in or use in connection with the project is subject to the payment of any license fee or royalty; and identifying all variations of the proposed substitute from that specified and indicating available maintenance service. No substitute shall be ordered or installed without the written approval of Strand Associates, Inc.®, who will be the judge of equality and may require Contractor to furnish such other data about the proposed substitute as he considers pertinent. No substitute shall be ordered or installed without such performance guarantee and bonds as the City may require which shall be furnished at Contractor's expense.

SECTION 107.1 PUBLIC CONVENIENCE AND SAFETY

Contractor shall provide and maintain suitable construction fencing as required to secure the construction site during construction (orange, plastic construction fence).

SECTION 107.4(H): CERTIFICATES OF INSURANCE

Proof of Insurance, Approval. The Contractor shall provide the City with certificate(s) of insurance showing the type, amount, effective dates, and expiration dates of required policies prior to commencing work under this Contract. Contractor shall provide the certificate(s) to the City's representative upon execution of the Contract, or sooner, for approval by the City Risk Manager. If any of the policies required above expire while this Contract is in effect, Contractor shall provide renewal certificate(s) to the City for approval. Certificate Holder language should be listed as follows:

City of Madison
ATTN: Risk Management, Room 406
210 Martin Luther King, Jr. Blvd.
Madison, WI 53703

The Contractor shall provide copies of additional insured endorsements or insurance policies, if requested by the City Risk Manager. The Contractor and/or Insurer shall give the City thirty (30) days advance written notice of cancellation, non-renewal or material changes to any of the above-required policies during the term of this Contract.

SECTION 108.2: PERMITS

1. Army Corps of Engineers Permit (Not Required)
2. WI-DNR Chapter 30 Permit
   Chapter 30 permit has been applied for and will be available prior to the start of this project. No work will be done on this project prior to the arrival of this permit.
3. City of Madison Erosion Control Permit. (By City)

A WI-DNR WRAPP (formerly Notice of Intent – NOI) Stormwater Discharges Associated with Land Disturbing Construction Activities Permit is not required for this project because land disturbance is < 1 Acre.

If the contractor feels it is necessary to dewater, 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.

- Wisconsin DNR Dewatering
- Wisconsin DNR Pollutant Discharge Elimination System for Pit/Trench Dewatering

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

With regard to Control of Invasive or Exotic Species, the Chapter 30 permit will stipulate that any equipment or materials that may be in contact with invasive or exotic species must be

decontaminated prior to and after work at the project site. It shall be the Contractor's responsibility to comply with decontamination requirements.

The Contractor shall meet the conditions of the permits involving 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 THE WORK

Construction work must begin within seven (7) calendar days after the date appearing on the mailed notice to do so that was sent to the Contractor. Construction work shall be carried on at a rate so as to secure full completion within the contract times outlined in Section 109.7, the rate of progress and the time of completion being essential conditions of this Agreement.

The fixed, agreed upon, liquidated damages for failure to complete all work within the contract, unless otherwise specified in this section, shall be calculated in accordance with Article 109 of the Standard Specifications. The Contractor shall limit workdays from 7:00 am to 7:00 pm, unless approved by the Engineer in writing.

SECTION 109.7: TIME OF COMPLETION

Work cannot start on this contract until after the "Start to Work" letter has been received. Work on the Tenney Park Concrete Bridge Historic Restoration - 2014 project will start on or around 05/05/14 and must be completed by 07/04/2014. A pre-construction meeting will be required on-site prior to start of construction.

BID ITEM 90001 EXCAVATION

A. Description. The work includes all excavation required for all new work not covered elsewhere in these specifications.

B. (Not Used)

C. Construction Methods. Excavation shall be performed as shown on the drawings and as specified in Article 201 of the Standard Specifications. All old material including fill, concrete, asphalt, etc. that is removed and not used as part of the new work shall be disposed of off-site at the expense of Contractor.

D. Method of Measurement. The City will measure Excavation as a single lump sum unit.

E. Basis of Payment. Excavation shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for complete removal and disposal of all structures shown on the plans to be removed.

BID ITEM 90002 REMOVAL OF EXISTING STRUCTURES

A. Description. The work shall consist of removing portions of existing structures where shown on the drawings, and disposing of resulting materials.

B. (Not Used)

C. Construction Methods. All portions of existing structures shown on the drawings to be removed shall be entirely removed within the limits shown. When retaining a portion of the existing structure, avoid damaging that portion during construction operations. Do not use any equipment or devices that might damage structures, facilities, or property to be preserved and retained. Complete all operations necessary to remove portions of existing structures and that might endanger the new construction before constructing new work.

D. Method of Measurement. The City will measure Removal of Existing Structures as a single lump sum unit.

E. Basis of Payment. Removal of Existing Structures shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for complete removal and disposal of portions of all structures shown on the plans to be removed.

BID ITEM 90003 COFFERDAMS AND DEWATERING

A. Description. The work shall consist of providing and installing cofferdams and dewatering, if required, to facilitate new construction as shown on the drawings. Contractor is required to obtain any necessary permits from the DNR prior to the start of any dewatering activities. All dewatering permitting, as required by the DNR, shall be paid for and coordinated by the Contractor.

B. Materials. Materials shall conform to Section 206 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition.

C. Construction Methods. The installation of cofferdams and subsequent dewatering shall be constructed as specified in Section 206 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition.

D. Method of Measurement. The City will measure the Cofferdams and Dewatering bid item as a single lump sum unit.

E. Basis of Payment. Cofferdams and Dewatering shall be paid for according to the contract unit price. Price bid shall include providing cofferdams, cribs, sheeting, shoring, bracing, pumping, and dewatering as necessary including all materials, equipment and labor for a complete installation as required. Price bid shall also include all DNR dewatering permitting that may be necessary.

BID ITEM 90004 CEMENT-BASED WATERPROOFING COATING

A. Description. The work includes providing and installing a cement-based waterproofing coating to the underside of both concrete arch bridges as shown on the drawings.

B. Materials. Cement-based waterproofing coating shall be Thoroseal, by BASF, or equal. The finished color shall be the manufacturer's standard gray finish. Contractor shall submit manufacturer's technical bulletin(s) on cement-based waterproofing coating product as part of this bid item for review by Engineer.

C. Construction Methods. Cement-based waterproofing coating shall be applied after all other concrete repair work on the underside of the bridges has been completed. Apply two coats (40 mils minimum) in accordance with the manufacturer's recommendations. Coating shall be applied to all concrete surfaces above the normal high water mark on the underside of both arch bridges.

D. Method of Measurement. The City will measure the Cement-Based Waterproofing Coating bid item by the square yard acceptable completed.

E. Basis of Payment. Cement-Based Waterproofing Coating shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90005 CONCRETE SURFACE REPAIR - UNDERSIDE OF BRIDGES

A. Description. The work shall consist of concrete surface repairs on the existing exposed concrete on the underside of both concrete arch bridges above the normal high water elevation as shown on the drawings. Before any work included in this bid item begins, Contractor and Engineer shall agree on the extent of work.

B. Materials. Repair mortar shall be HB2 Repair Mortar by BASF Building Systems, or equal. It shall be a two-component, polymer-modified, high-build, lightweight repair mortar consisting of cement, graded aggregate, shrinkage-compensating agents, and additives including an integral corrosion inhibitor.

Reinforcing bar primer shall be Zinc-Rich Rebar Primer by BASF Building Systems, or equal. It shall be a one component zinc-rich primer for steel reinforcement.

Polymer Liquid shall be MBT Polymer Liquid by BASF Building Systems, or equal.

Applicator qualifications: Company with a minimum of 5 years of experience in application of specified product on projects of similar size and scope, and is acceptable to the product manufacturer.

Contractor shall submit manufacturer's technical bulletins on each product to be used as a part of this bid item for review by Engineer.

C. Construction Methods. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact. Store tightly sealed materials off ground and away from moisture, direct sunlight, extreme heat, and freezing temperatures.

Project Conditions: Ensure that substrate surface and ambient air temperature are minimum of 40 degrees F and rising at application time and remain above 40 degrees F for at least 24 hours after application. Ensure that frost or frozen surfaces are thawed and dry. Do not apply material if snow, rain, fog, and mist are anticipated within 12 hours after application. Allow surfaces to attain temperature and conditions specified before proceeding with underlayment application.

Remove spalled and unsound concrete from the underside of the concrete arch bridges, and replace those portions with specified repair material. Take necessary precautions while removing deteriorated concrete to not cut any existing reinforcing steel. Clean, realign, and retie existing reinforcing steel, as the Engineer considers necessary. Remove concrete to sound concrete or to one inch behind the existing reinforcing steel, whichever depth is greater, at locations the drawings show. Make a 1/2-inch deep saw cut at the limits of the concrete surface repair before removal of the deteriorated concrete to avoid "feathering" the edges of the repair

material. Existing reinforcing shall be cleaned and coated with reinforcing bar primer prior to placement of repair mortar in accordance with manufacturer's instructions.

Install repair material in accordance with the manufacture's recommendations. The repair material shall be mixed using polymer liquid in accordance with the manufacturer's instructions. Allow proper curing of repair mortar, conducted per ACI 308 "Standard Practice for Curing Concrete." Do not use concrete curing compounds on the material.

Clean up and properly dispose of debris remaining on project site related to application. Remove temporary coverings and protection from adjacent work areas.

D. Method of Measurement. The City will measure Concrete Surface Repair - Underside of Bridges by the cubic foot acceptably completed. Prior to the start of any work under this bid item, Contractor and Engineer shall agree upon an acceptable method to track quantities. The Contractor is to keep detailed records of the amount of material used, e.g. number of bags of repair material, so that repair work is easily quantified.

E. Basis of Payment. Concrete Surface Repair - Underside of Bridges shall be paid for according to the contract unit price. Payment for Concrete Surface Repair - Underside of Bridges is full compensation for removing and disposing of deteriorated concrete; for cleaning reinforcing steel and concrete substrate; and for forming, furnishing, hauling, placing, curing, and protecting all materials.

BID ITEM 90006 PENETRATING CORROSION INHIBITOR

A. Description. The work includes providing and applying a penetrating corrosion inhibitor to all exposed exterior surfaces of concrete on the bridges, including the underside of the arches.

B. Materials. Penetrating corrosion inhibitor shall be MCI 2020 V/O, by Coretec, or equal. It shall not adversely affect the concrete bond strength of either the cement-based waterproofing coating or the concrete sealer. Contractor shall provide a written statement from the manufacturer indicating that the penetrating corrosion inhibitor will not inhibit bonding of the cement-based waterproofing coating nor the concrete sealer. Contractor shall submit manufacturer's technical bulletin(s) on penetrating corrosion inhibitor product as part of this bid item for review by Engineer.

C. Construction Methods. Prior to starting any penetrating corrosion inhibitor work, the Contractor shall perform a spot test sample on a vertical surface of the Marston Avenue bridge approximately 24" x 24" in size to demonstrate the aesthetic effects and qualities of materials and execution. Engineer must review proposed penetrating corrosion inhibitor application prior to use of it on remaining concrete surfaces of bridges.

Penetrating corrosion inhibitor shall be applied in accordance with the manufacturer's recommendations after all other concrete repair work has been completed but prior to application of cement-based waterproofing coating and concrete sealer. At the underside of the bridges, the cement based waterproofing coating shall be applied after the application of the penetrating corrosion inhibitor. At other surfaces, the concrete sealer shall be applied after the application of the penetrating corrosion inhibitor. Apply penetrating corrosion inhibitor at a dosage rate that is in accordance with the manufacturer's recommendations. Coating shall be applied to all exposed concrete surfaces above the normal high water mark on both arch bridges, including the underside of the arches. Rinse and/or wash any residual penetrating corrosion inhibitor material that remains on the concrete surfaces after the material has been applied and has penetrated the concrete in accordance with the manufacturer's

recommendations so as not to adversely affect bond strength of the cement-based waterproofing coating and concrete sealer.

D. Method of Measurement. The City will measure the Penetrating Corrosion Inhibitor bid item by the square yard acceptable completed.

E. Basis of Payment. Penetrating Corrosion Inhibitor shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90007 REINFORCED CONCRETE

A. Description. The work includes new concrete work on the Marston Avenue pedestrian bridge. Contractor is encouraged to reference the testing report prepared by CGC, Inc., that includes a petrographic analysis of the existing concrete in accordance with ASTM C856, included as an appendix to these specifications.

A.1 Qualifications. The contractor performing the work under this section shall be qualified in accordance with Section 102.6 of these specifications.

A.2 References. Unless specified otherwise, all reinforced concrete work shall comply with National Park Service Brief No. 15 - Preservation of Historic Concrete. Preservation brief can be found at http://www.nps.gov/tps/how-to-preserve/briefs.htm.

B. Materials.

B.1 Submittals. Submit the following information:

- Gradation of fine and coarse aggregate–ASTM C33.
- Specific gravity and dry rodded density of each aggregate.
- Test of deleterious substances in fine and coarse aggregate–ASTM C33.
- Design mix of each individual concrete mix to be used.
- Previous test results or trial batch results with 7- and 28-day compressive strengths for each concrete mix proposed.
- Certified mill test results for cement identifying brand, type, and chemistry of cement to be used.
- Brand, type, principal ingredient, and amount of each admixture to be used.

It is important that the above data be submitted to ENGINEER well in advance of anticipated concreting operations to avoid any delay in construction.

B.2 Concrete. The Contractor is required to develop a mix design that closely matches the composition of the original concrete. Mechanical properties of the new concrete, such as coefficient of thermal expansion and strength, shall closely match that of the original concrete. Aesthetic properties, such as aggregate size, distribution and color shall also closely match that of the original concrete.

All cement used shall be Portland cement and shall conform to ASTM C150 and shall be Type I or Type III. All cement shall be the product of one reputable manufacturer and mill.

All fly ash, if used, shall be Class C or F conforming to the requirements of ASTM C618.

All aggregates shall be washed and shall consists of natural sand, gravel, or crushed rock and shall have clean, hard, durable, uncoated grains of strong minerals. The amounts of deleterious

substances present in the aggregates expressed in percentages by weight shall not exceed the following:

	Aggregate	
Deleterious Substance	Fine	Coarse
Clay Lumps and Friable Particles	3.0	3.0
Coal and Lignite	0.5	0.5
Mineral finer than No. 200 sieve	3.0	
Soft Fragments	3.0	3.0
Chert*	-	5.0
Sum of Chert and Clay Lumps		5.0

* Material classified as chert and having a bulk specific gravity of less than 2.45. The percentage of chert shall be determined on the basis of the weight of chert in the sample retained on a 3/8-inch sieve divided by the weight of the total sample.

The combined amount of all deleterious substances in an aggregate shall not exceed 5% of the weight of the aggregate.

Sodium sulfate soundness test shall be performed on the aggregate in accordance with ASTM C88. When the aggregate is subjected to 5 cycles, the weight loss shall not exceed 12%. Samples of proposed aggregates shall be submitted to an independent laboratory for testing in advance of concrete work. All testing shall be performed in accordance with ASTM C33. Certified test results shall be submitted to Engineer confirming that aggregate complies with all stated specifications. Report shall identify source of aggregate and absorbed water.

Aggregate must be allowed to drain for at least 12 hours before being used. The ground upon which aggregates are stored must be hard, firm, well-drained, and free from all vegetable matter. Various sizes of aggregates must be stored separately, and if they have become contaminated or merged with each other, they shall not be used.

Fine aggregate shall be similar to the fine aggregate used in the original concrete and shall be reasonably well-graded. The fineness modulus shall be not less than 2.3 or more than 3.1. Contractor is responsible for selecting a suitable fine aggregate type and gradation so that new concrete closely matches the mechanical and aesthetic properties of the original concrete. Fine aggregate size, distribution and color shall closely match the original concrete mix.

Course aggregate shall be similar to the course aggregate used in the original concrete and shall be reasonably well-graded. Contractor is responsible for selecting a suitable course aggregate type and gradation so that new concrete closely matches the mechanical and aesthetic properties of the original concrete. Course aggregate size, distribution and color shall closely match the original concrete mix.

Water used in mixing concrete shall be clean and free from injurious amounts of oil, alkali, organic matter, or other deleterious substances.

Bonding agent shall be Thorobond by BASF, or equal.

A water reducing admixture may be used in the concrete. Water reducing admixture shall be Pozzolith 200N by BASF Admixtures, Inc., Daracem 19 by Grace, or equal. Water reducing admixture shall conform to ASTM C494, Type A and Type F. Water reducing admixture shall not reduce durability, shall not affect the appearance, shall increase strength 10%, and shall not

affect bleeding characteristics over reference mix. A qualified representative of the manufacturer shall be available to assist in proportioning the concrete, advise on the proper addition of the admixture to the concrete, and advise on adjustments of concrete proportions to suit job conditions.

An air-entraining admixture shall be used in all concrete except at patches. Air content shall be tested by the pressure method as outlined in ASTM C231 and shall be between 4 to 7% by volume. Air-entraining admixture shall be equal to MB AE90 Standard by BASF Admixtures, Inc., Darex by Grace Construction Products, or equal. Air-entraining admixture shall conform to ASTM C260.

Mineral pigments shall be used in the new concrete, as required, to match the color of the existing concrete. Mineral pigments shall be by Davis Colors, or equal. Mineral pigments shall be commercially pure and shall not fade or reduce the strength of the concrete over time. The amount of the mineral pigments added to the design mix shall not exceed 10-percent by weight of the cementitious material content of the mix.

No other admixtures will be allowed without the written approval of the Engineer. All admixtures shall be compatible with cement, aggregate, and water used.

The proportions of aggregate to cement and amount of admixtures shall be such as to produce a workable mixture that can be thoroughly compacted and that will work readily in the forms and around reinforcement without permitting materials to segregate or excess water to collect on the surfaces. Contractor is responsible for proportioning the aggregates and admixtures so that new concrete closely matches the mechanical and aesthetic properties of the original concrete. All aggregates shall be measured by weight.

The slump for all concrete shall be 3 inches and concrete with a slump within the range of 2 to 4 inches will be acceptable unless otherwise stated.

Contractor shall submit to Engineer compressive strength of concrete cylinder test results for the same concrete mixes proposed on a previous project. If this information is not available, a one cubic yard trial batches of each individual mix proposed for use shall be made prior to use in the work. Four test cylinders shall be made for each trial batch, two to be tested at 7 days and two at 28 days. The trial batches shall be made preceding actual placement operations so that the results of the 7-day tests can be obtained. All costs for material, equipment, and labor incurred during design of concrete mixes shall be borne by Contractor.

B.3 Steel Reinforcement. Uncoated and epoxy-coated high strength bar steel reinforcement shall conform to Section 505 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition.

B.4 Adhesive Anchors. Adhesive anchors shall conform to the requirements of Section 502 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition for Type L or S anchors.

C. Construction Methods. The reinforced concrete shall be constructed as shown on the drawings and as specified below.

C.1 Mockups. Prior to starting any reinforced concrete work, the Contractor shall prepare up to six mockups of reinforced concrete work to demonstrate the aesthetic effects and qualities of materials and execution. A minimum of three different mockups are required, each with varying aesthetic effects. The mockups shall either be prepared at the project site adjacent to the Marston Avenue bridge or on the bridge itself where concrete repair work is required. Minimum size of each mockup shall be 24" x 24". Contractor shall remove all mockups not

acceptable to the Engineer at Contractor's expense. Mockups shall include application of penetrating corrosion inhibitor and concrete sealer prior to acceptance by City. No work shall be started on the bridge until the City has approved a mockup. The approved mockup shall form the basis for final concrete work to be performed on the bridge.

C.2 Mixing. Ready-mixed concrete shall be batched, mixed, and delivered in accordance with ASTM C94 and ACI 304R. In general, concrete shall be mixed 50 revolutions at plant, 20 upon arrival at site, and 20 each time water is added; maximum of 110 revolutions at mixing speed. Concrete shall be delivered and discharged within 1 1/2 hours or before the drum has revolved 300 times after introduction of water to the cement and aggregates or the cement to the aggregates. Truck mixers shall be equipped with drum revolution counters. In no event shall concrete that has taken its initial set be allowed to be used. Retempering of concrete is not permitted.

No water shall be added on the job unless required by Contractor and with the knowledge of Engineer; the amount of water, if added, shall be recorded on all copies of the delivery tickets. If water is added, Contractor shall verify that the required water-cement ratio is not exceeded.

Concrete shall have a temperature not less than 60°F nor more than 80°F as delivered to the jobsite.

With each load of concrete Contractor shall obtain delivery tickets and shall make these tickets available for review by ENGINEER. Delivery tickets shall provide the following information:

- Date.
- Name of ready-mix concrete plant, job location, and Contractor.
- Type of cement and admixtures, if any.
- Specified cement content in sacks per cubic yard of concrete and approved concrete mix number or designation.
- Amount of concrete in load, in cubic yards.
- Water-cement ratio.
- Water added at job, if any.
- Truck number and time dispatched.
- Number of mixing drum revolutions.

For job-mixed concrete, all concrete materials shall be mixed in a machine batch mixer for at least 1 1/2 minutes after all ingredients are in the mixer and shall continue until there is a uniform distribution of the materials and the mass is uniform in color and homogeneous. The mixer shall not be loaded beyond the capacity given by the manufacturer and shall be rotated at the speed recommended by the manufacturer. The mixer is to be provided with positive timing device that will positively prevent discharging the mixture until the specified mixing time has elapsed.

C.3 Bonding to Existing Concrete. When placing new concrete adjacent to existing concrete, the existing concrete shall be thoroughly roughened, cleaned, and saturated with water 24 hours before pouring new concrete. At time of new pour, remove any standing water and apply bonding agent. Bonding agent shall be applied in accordance with manufacturer's recommendations.

C.4 Placing Concrete. Before placing concrete, all equipment, forms, reinforcements, and other surfaces with which the concrete will come in contact are to be thoroughly cleaned of all debris, ice, and water.

After reinforcement is placed and before concrete is placed over it, Engineer shall be allowed sufficient time to observe the reinforcing.

Unless otherwise authorized by Engineer, all concrete shall be placed in the presence of Engineer.

Concrete shall be conveyed from the mixer to the place of final deposit as rapidly as practicable by methods that will prevent the segregation or loss of materials. Chuting for conveying purposes must be accomplished in such a manner as to prevent segregation or loss of materials. Receiving hoppers shall be installed at the chute discharge and at no point in its travel from the mixer to place of final deposit shall the concrete pass through a free vertical drop of more than 3 feet. Elephant trunks or tremies shall be used in all wall pours to prevent coating of forms and reinforcing bars.

Care shall be taken to avoid an excess of water on the concrete surface. Excess water shall be drained or otherwise removed from the surface. Dry cement or a mixture of cement and sand shall not be sprinkled directly on the surface to absorb water.

Concrete in wall pours shall be deposited in approximately horizontal layers not to exceed 18 inches in thickness. Each layer shall be well worked into the preceding layer while both layers are still soft.

Concrete shall be deposited as nearly as practicable in its final position to avoid segregation from rehandling or flowing. The maximum allowable lateral movement of the concrete after being deposited is 3 feet. Once concreting is started, it shall be carried on as a continuous operation until the placing of the section or panel is completed.

All concrete shall be placed with the aid of mechanical vibrating equipment in accordance with ACI 309. In congested areas, vibration shall be supplemented by hand spading adjacent to the forms. Vibration should secure the desired results within 5 to 15 seconds at intervals of 18 inches apart maximum. The vibrator shall penetrate the preceding layer of concrete. Vibrators shall have a frequency of not less than 10,000 impulses per minute when in operation submerged in concrete.

A sufficient number of spare vibrators shall be kept in ready reserve to assure adequate vibration in case of breakdown of those in use.

C.5 Finishing. Because formed concrete surfaces normally develop a sheen that will not match the surface texture of the existing concrete, forms must be removed before the new concrete has fully set. The surface of the concrete must be finished to match the existing concrete surfaces. A brush or wet sponge may be used to help "wash out" the new concrete paste to aid in matching the exposed aggregate of the existing concrete. Contractor is responsible for determining a suitable way to finish the new concrete to closely match the finish appearance of the existing concrete.

Holes left by form ties shall be patched to match the new concrete.

C.6 Moist Curing. All concrete shall be maintained in a moist condition for at least 7 days after being deposited except that for high-early strength concrete, a 3-day period will be sufficient. Moist curing shall be accomplished by one of the following methods:

- Use of plastic film. Plastic film shall have a minimum thickness of 4 mils. It shall be placed over the wet surface of the fresh concrete as soon as possible without marring the surface and shall be weighted so that it remains in contact with all exposed surfaces of the concrete. All joints and edges shall be lapped and weighted. Any tears in the film shall be immediately repaired.
- Application of wet coverings weighing 9 ounces per square yard such as burlap, cotton

mats, or other moisture-retaining fabrics. The covering system shall include two layers and shall be kept continuously moist so that a film of water remains on the concrete surface throughout the curing period.

- Use of an approved waterproof curing paper. Edges of adjacent sheets shall be overlapped several inches and tightly sealed.
- Ponding of water or continuous sprinkling of water is permitted. Sprinkling at intervals will not be permitted.

The use of moist earth, sand, hay, or another method that may discolor hardened concrete will not be permitted.

C.7 Hot Weather Concreting. When the atmospheric temperature exceeds 80-degrees F during concrete placement, the methods described in ACI 305 shall apply in addition to all other sections of this specification.

C.8 Cold Weather Concreting. When placing concrete in cold weather, the methods described in ACI 306 shall apply in addition to all other sections of this specification. Cold weather is defined as a period when, for more than 3 successive days, the average daily temperature drops below 40-degrees F. When temperatures above 50-degrees F occur during more than half of any 24-hour period, the period will no longer be regarded as cold weather. The average daily temperature is the average of the highest and lowest temperature during the period from midnight to midnight.

C.9 Testing and Sampling. The following tests of fresh concrete shall be performed by Contractor.

Contractor shall prepare, protect, transport, and have tested all cylinders at his expense.

Sampling of concrete for slump tests, air tests, temperature tests, and for making concrete test cylinders shall be performed in accordance with ASTM C172.

Slump Test: Contractor shall make one slump test near the beginning of all pours with two tests being made for all pours in excess of 25 yards or as requested by Engineer. Slump tests shall conform to ASTM C143.

Air Test: When air-entrained concrete is used, the air content shall be checked by Contractor near the beginning of all pours with at least two checks being made for all pours in excess of 25 cubic yards or as requested by Engineer.

The air contents shall be checked using the pressure method in accordance with ASTM C231. The pocket-sized alcohol air indicator shall not be used unless it is first used in conjunction with the pressure method test.

Cylinders: Three test cylinders shall be made for each pour. Concrete for cylinders shall be collected near the middle of the load or as requested by Engineer.

Cylinders shall be made and tested in accordance with ASTM C31 and ASTM C39, respectively. The cylinders must be kept moist and at temperatures between 60°F and 80°F and shall remain undisturbed and stored in a location free from vibration. In hot weather, the cylinders shall be covered with wet burlap and stored in a shaded area. It is Contractor's responsibility to provide a suitable protected location for storing cylinders on the job site.

After 24 hours, the cylinders shall be transferred to an independent testing laboratory acceptable to Engineer. The cylinders shall be packed in sawdust or other cushioning material for transit to avoid any bumping or jarring of the cylinders.

Cylinders shall be broken at 7 and 28 days or as requested by Engineer. Test results shall be mailed immediately and directly to Engineer. Test data shall include date and location of pour and concrete mix used.

All costs of additional testing and sampling of fresh or hardened concrete needed because of suspected or actual violation of the specifications shall be borne by Contractor.

C.10 Records. A record is to be kept of all concrete work. The record shall include the date, location of pour, concrete mix, slump, air content, test cylinder identification, concrete temperature, and ambient air temperature. In addition, for cold weather concreting the record shall include the daily maximum-minimum thermometer readings of all thermometers during the entire curing period for all concrete pours. The project representative will keep this record, and Contractor shall assist in obtaining needed information.

D. Method of Measurement. The City will measure Reinforced Concrete by the cubic yard acceptably completed. The City will not measure work or material for forms, falsework, cofferdams, pumping, bracing or other incidentals necessary to complete the work as required in these specifications.

E. Basis of Payment. Reinforced Concrete shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation as shown and specified including providing forms and falsework; for furnishing, placing, finishing, curing, and protecting concrete, and reinforcing; for adhesive anchoring work; and for measuring and evaluating concrete strength including fabricating and testing cylinders, and evaluating maturity.

BID ITEM 90008 CONCRETE TOPPING

A. Description. The work includes providing and installing a 1.5-inch thick concrete topping to the entire top surface of the existing Marston Avenue bridge concrete arch as shown on the drawings.

B. Materials. Materials shall conform to Section 509 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition for concrete overlay. Concrete shall be grade E. Alternatively, Contractor may use a proprietary concrete topping material, such as SikaTop-122 Plus, or equal, but must be approved by Engineer prior to use.

C. Construction Methods. The concrete topping shall be constructed as shown on the drawings and as specified for concrete overlay in Section 509 of the State of Wisconsin Standard Specifications for Highway and Bridge Construction, 2014 Edition. Prior to installing concrete topping, the existing concrete arch shall be cleaned by pressure washing to remove all loose particles. Finish of concrete topping shall be smooth to provide a suitable bearing surface for waterproofing membrane system.

D. Method of Measurement. The City will measure the Concrete Topping bid item by the square yard acceptably completed.

E. Basis of Payment. Concrete Topping shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90009 WATERPROOFING MEMBRANE SYSTEM

A. Description. The work includes providing and installing a self-adhering rubberized, asphalt/polyethylene sheet membrane waterproofing system on the top of concrete topping on the Marston Avenue bridge deck as shown on the drawings.

B. Materials. Waterproofing membrane system shall be by W.R. Grace & Co., or equal.

B.1 Sheet Membrane Waterproofing. Bituthene 3000/Low Temperature Membrane; a self-adhesive, cold applied composite sheet consisting of a thickness of 0.056 inches of rubberized asphalt and 0.004 inches of cross-laminated, high density polyethylene film. Provide rubberized asphalt membrane covered with a release sheet, which is removed during installation. No special adhesive or heat shall be required to form laps.

B.2 Prefabricated Drainage Composite. Hydroduct 660. Drainage composite shall be designed to promote positive drainage while serving as a protection course.

B.3 Miscellaneous Materials. Primer, mastic, liquid membrane, tape and accessories shall be provided by or acceptable to the membrane manufacturer.

C. Construction Methods.

C.1 Examination. Examine surfaces to receive waterproofing membrane system for conditions that may be detrimental to the proper completion of the work. Do not commence work until all defects are remedied.

C.2 Preparation. Waterproofing membrane system shall be installed in accordance with the manufacturer's recommendations, including but not limited to, the following: Clean contaminants from surface of concrete topping. Apply primer at the rate recommended by manufacturer. Recoat areas not waterproofed if contaminated by dust. Mask and protect adjoining exposed finish surfaces to protect those surfaces from excessive application of primer. Delay application of membrane until primer is completely dry. Dry time will vary with weather conditions. Seal daily terminations with troweled bead of mastic.

C.3 Installation. Substrates shall be prepared as recommended by manufacturer. Surfaces shall be structurally sound and free of voids, loose aggregate and sharp protrusions. Remove contaminants such as grease, oil, and wax from exposed surfaces. Remove dust, dirt, loose stone, and debris. Use repair materials and methods which are acceptable to the manufacturer of sheet membrane waterproofing. Treat joints and terminations and install flashings as recommended by waterproofing manufacturer.

C.4 Cleaning and Protection. Remove any masking materials after installation. Protect completed membrane waterproofing from subsequent construction activities as recommended by the manufacturer.

D. Method of Measurement. The City will measure the Waterproofing Membrane System bid item by the square yard acceptably completed.

E. Basis of Payment. Waterproofing Membrane System shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90010 REPOINTING

A. Description. The work includes repointing existing deteriorated above-grade mortar joints on the Sherman Avenue pedestrian bridge. Contractor is encouraged to reference the testing report prepared by CGC, Inc., that includes an ASTM C1324 analysis of the existing mortar, included as an appendix to these specifications. Before any work included in this bid item begins, Contractor and Engineer shall agree on the extent of work.

A.1 Qualifications. The contractor performing the work under this section shall be qualified in accordance with Section 102.6 of these specifications.

A.2 References. Unless specified otherwise, all repointing work shall comply with National Park Service Brief No. 2 - Repointing Mortar Joints in Historic Masonry Buildings. Preservation brief can be found at http://www.nps.gov/tps/how-to-preserve/briefs.htm.

B. Materials. All mortar used for repointing shall conform to ASTM C270 Type N and shall closely match the appearance of the original mortar used on the bridge. Mortar sand shall comply with ASTM C144. The Contractor shall not use color additives to achieve a color match for the existing mortar. The Contractor shall match the size, texture, and gradation of the existing mortar sand as closely as possible, or shall blend several sands if necessary to achieve a suitable match.

Potable water shall be used to mix mortar. When mixing mortar, the cementitious materials and sand shall be measured in a dry condition by volume or equivalent weight. The Contractor shall use a known measure and shall not measure by shovel or other approximate method. Materials shall be mixed in a clean, mechanical batch mixer. Mortar materials shall be prepared according to ASTM C270 and the manufacturer's instructions.

When mixing pointing mortar, the Contractor shall thoroughly mix the cementitious materials and sand prior to adding any water. Water shall then be added in quantities sufficient to produce a damp, workable mix that will retain its form when pressed into a ball. The dampened mortar shall be maintained in this condition for 15 to 30 minutes. The remaining water shall then be added in small amounts until the desired consistency has been reached. The mortar shall be used within one hour of final mixing. The Contractor shall not use retempered or partially hardened material.

The Contractor shall supply to the Engineer product data for each product used on site prior to its use. This submittal shall include the manufacturer's recommendations for application, use, storage, and any special product concerns.

C. Construction Methods. Prior to starting any repointing work, the Contractor shall prepare up to three mockups of repointing restoration work to demonstrate the aesthetic effects and qualities of materials and execution. The mockups shall be prepared using an area approximately 24-inches high by 24-inches wide on the existing bridge where repointing is required. Contractor shall remove all mockups not acceptable to the Engineer at Contractor's expense. No work shall be started on the bridge until the City has approved a mockup. The approved mockup shall form the basis for final repointing work to be performed on the bridge.

The Contractor shall rake out and repoint existing mortar joints if any of the following conditions are met:

- Joints in which mortar is missing.
- Joints containing holes.
- Joints containing cracks that can be penetrated 0.25" by a knife blade 0.027" thick.
- Joints containing cracks that are 0.125" in width, regardless of depth.

- Joints that sound hollow when tapped by a metal object.
- Joints that are worn back 0.25" or more from surface.
- Joints that are deteriorated to a point that mortar can easily be removed by hand.
- Joints that have been filled with substances other than mortar.
- Joints that have been repointed in the past with mortar that does not match the original mortar.

Prior to starting any repointing work, the Contractor shall perform a field survey to determine an estimated total length of mortar joints that meet any of the above conditions and inform Engineer of that estimated quantity. Contractor shall not commence with repointing work until Engineer indicates it is acceptable.

The Contractor shall rake out joints to a minimal depth of 1-inch or not less than required to expose sound, unweathered mortar. All mortar shall be removed from stonework surfaces within raked-out joints to provide reveals with flush joints to remove dirt and loose debris.

Existing horizontal mortar joints that are filled with a hard Portland cement mortar may be raked out using a diamond blade that is narrower than the joint width. The middle one-third of the mortar joint may be cut using a rotary power saw. The remaining mortar shall be removed from the joints by hand, using masonry chisels or pneumatic carving tools powered by air.

The Contractor SHALL NOT rake out vertical joints with rotary power saws. All vertical joints shall be removed by hand-tools. Existing mortar shall be removed using only small-headed chisels that are no wider than half the width of the existing masonry joints. Pneumatic air carving chisels shall not be permitted.

The Contractor shall use caution so as not to spall the edges of the stone units or widen any joints. Damaged stone shall be patched or replaced at no additional cost to the City.

The Contractor shall brush, vacuum, blow-out, or flush joints with water to remove all dirt and loose debris, working from the top to the bottom of the wall.

The Contractor shall notify the Engineer of unforeseen detrimental conditions including voids in joints, cracks, loose stones, and other deteriorated items.

Ten minutes prior to repointing, the Contractor shall presoak the walls with water. The exposed surface of brick or stone adjacent to the joint shall be wet prior to repointing. The Contractor shall maintain a water sprayer on site at all times during the repointing process.

The Contractor shall rinse the stone joint with water to remove dust and loose mortar particles. The joint rinsing shall be timed such that any excess water has run or evaporated off prior to the time of repointing.

Where the joints are deeper than 1.25-inches, the Contractor shall point in layers or "lifts". Layers shall be applied in depths not less than 0.25-inch, and not more than 1/2 the depth of the joint. Layers shall be added until a uniform depth is reached. Each layer shall be thoroughly compacted and allowed to become thumbprint hard prior to adding subsequent layers.

If there are isolated areas where mortar has been removed to a greater depth than the surrounding mortar, the Contractor shall apply pointing mortar to fill the low areas to the same depth as the surrounding mortar. The joint shall then be repointed in the manner described above. When the final layer of mortar is thumbprint hard, the Contractor shall tool the joint to match the original appearance of joints. The walls shall be misted with water for at least 3-minutes at the end of the day after initial installation. Excess mortar shall be removed from the edges of the joint by brushing.

Care shall be taken to avoid spreading mortar over edges onto exposed stone surfaces or to featheredge the mortar. When the existing stone has worn or rounded edges, the mortar shall be slightly recessed below the face of the stone to avoid a widened joint face.

The mortar shall be cured by maintaining a thoroughly damp condition for a minimum of 72 hours after initial installation, including weekends and holidays. Curing methods shall be such that the pointing mortar is damp throughout its depth without eroding the surface mortar. Acceptable methods include covering the area with wet burlap and plastic sheeting; hand misting the area a minimum of 3 times per day (morning, noon, evening); or using a periodic mist system of pipes, mist heads, and timers.

Repointing work shall be completed after masonry surfaces have been cleaned.

No work shall be completed on the stone or stone joints when the ambient temperature or the temperature of the masonry units is below 40-degrees F, as per ACI 530.1 requirements. Additionally, no work shall occure when the ambient air temperature is greater than 100-degrees F, or the ambient temperature is greater than 90-degrees F with a wind speed velocity greater than 8 MPH.

The job site shall be cleaned after all repointing work is complete. The adjacent pavement and grounds shall be raked and swept to remove all mortar and debris.

D. Method of Measurement. The City will measure the Repointing bid item by the lineal foot acceptably completed.

E. Basis of Payment. Repointing shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation including removing damaged mortar as necessary, cleaning all mortar joints, preparing mortar joints for repointing, repointing mortar joints, properly curing mortar, and cleanup.

BID ITEM 90011 STONE RESTORATION

A. Description. The work includes using epoxy crack injection to repair any existing above-grade stones that are cracked on the Sherman Avenue pedestrian bridge. Before any work included in this bid item begins, Contractor and Engineer shall agree on the extent of work.

A.1 Qualifications. The contractor performing the work under this section shall be qualified in accordance with Section 102.6 of these specifications.

B. Materials. The epoxy-based stone repair adhesive shall be a commercially available, two component, moisture insensitive, high modulus, low viscosity, epoxy resin-formulated for penetrating deep into thin masonry cracks, Akepox 1005 or 1006 by Akemina, or equal. The epoxy crack injection shall match the stone color and shall be installed in accordance with the manufacturer's recommendations.

C. Construction Methods. Prior to starting any stone restoration work, the Contractor shall prepare up to three mockups of stone restoration work to demonstrate the aesthetic effects and qualities of materials and execution. The mockups shall be prepared using existing cracked stones (minimum length of 4-inches) on the bridge. No work shall be started on the bridge until the City has approved a mockup. The approved mockup shall form the basis for final stone restoration work to be performed on the bridge.

Prior to starting any stone restoration work, the Contractor shall perform a field survey to determine an estimated total length of stone cracks that need repair and inform Engineer of that

estimated quantity. Contractor shall not commence with stone restoration work until Engineer indicates it is acceptable to do so.

Install stone repair adhesive in accordance with manufacturer's instructions. Thoroughly clean dust, dirt and debris from crack. Thoroughly and completely mix the resin and hardener. Mix at low speeds to minimize entrapped air. Blend the epoxy adhesive to match color matrix of adjacent stone by adding color limestone dust or pigment. Mask stone surfaces adjacent to crack to prevent staining of the limestone during repair operation. After mixing, inject epoxy into cracks with a syringe and allow to seep in. Continue to apply material until crack is full. Sprinkle limestone dust on epoxy adhesive to mask crack.

D. Method of Measurement. The City will measure the Stone Restoration bid item by the lineal foot, acceptably completed.

E. Basis of Payment. Stone Restoration shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90012 CONCRETE SURFACE REPAIR-VERTICAL SURFACES

A. Description. The work shall consist of vertical concrete surface repairs on the existing exposed concrete surfaces of the Marston Avenue bridge above the normal high water elevation as shown on the drawings. Before any work included in this bid item begins, Contractor and Engineer shall agree on the extent of work. The Contractor performing this work shall be the same Contractor performing the work under Bid Item 90007-Reinforced Concrete.

A.1 Qualifications. The contractor performing the work under this section shall be qualified in accordance with Section 102.6 of these specifications.

A.2 References. Unless specified otherwise, all concrete surface repair - vertical surfaces work shall comply with National Park Service Brief No. 15 - Preservation of Historic Concrete. Preservation brief can be found at http://www.nps.gov/tps/how-to-preserve/briefs.htm.

B. Materials. Concrete used for concrete surface repair-vertical surfaces shall be as specified in Section B.2 for Bid Item 90007-Reinforced Concrete, except that concrete shall not be air-entrained and a patching additive shall be added to the mix to improve bond.

Reinforcing bar primer shall be Zinc-Rich Rebar Primer by BASF Building Systems, or equal. It shall be a one component zinc-rich primer for steel reinforcement.

Patching additive shall be Acryl 60 by BASF Building Systems, or equal.

Project Conditions: Ensure that substrate surface and ambient air temperature are minimum of 40 degrees F and rising at application time and remain above 40 degrees F for at least 24 hours after application. Ensure that frost or frozen surfaces are thawed and dry. Do not apply material if snow, rain, fog, and mist are anticipated within 12 hours after application. Allow surfaces to attain temperature and conditions specified before proceeding with underlayment application.

Contractor shall submit manufacturer's technical bulletins on each product to be used as a part of this bid item.

C. Construction Methods.

C.1 Mockups. Prior to starting any concrete surface repair work under this bid item, the Contractor shall prepare up to six mockups of concrete surface repair work to demonstrate the

aesthetic effects and qualities of materials and execution. A minimum of three mockups are required, each with varying aesthetic effects. The mockups shall either be prepared at the project site adjacent to the Marston Avenue bridge or on the bridge itself where concrete surface repair work is required. Minimum size of mockups shall be 24" x 24". Contractor shall remove all mockups not acceptable to the Engineer at Contractor's expense. Mockups shall include application of penetrating corrosion inhibitor and concrete sealer prior to acceptance by City. No work shall be started on the bridge until the City has approved a mockup. The approved mockup shall form the basis for final concrete surface repair work to be performed on the bridge.

C.2 Surface Repair Preparation. Remove spalled and unsound concrete. Take necessary precautions while removing deteriorated concrete to preserve all existing reinforcing steel. Clean, realign, and retie existing reinforcing steel, as the Engineer considers necessary. Remove concrete to sound concrete or to one inch behind the existing reinforcing steel, whichever depth is greater, at locations the drawings show. Make a 1/2-inch deep saw cut at the limits of the concrete surface repair before removal of the deteriorated concrete to avoid "feathering" the edges of the repair material. Mechanically abrade the existing concrete surface to remove all bond inhibiting materials and to provide additional mechanical bond. Install new adhesive anchored stainless steel headed anchors, as required, to aid in anchoring new repair patches to existing concrete. Existing reinforcing steel that is incorporated into new work shall be coated with specified reinforcing bar primer prior to placing concrete repair material.

C.3 Mixing. Mix concrete used for concrete surface repairs in accordance with Bid Item 90007-Reinforced Concrete.

C.4 Bonding to Existing Concrete. Use methods described in Bid Item 90007-Reinforced Concrete.

C.5 Placing Concrete Surface Repairs. Use a bond coat to obtain maximum bond for hand-trowel applications. Thoroughly scrub a thin layer of mixed repair material into the clean, saturated surface with a stiff-bristled brush. Do not dilute the bond coat with water. Apply the coat immediately before the application of the bulk of the repair material. Do not apply more of the bond coat than can be covered with repair material before the bond coat dries. Do not retemper this material. After the bond coat has been applied, firmly place the mixed material onto the repair area with a trowel.

C.6 Finishing. The surface of the concrete repair must be finished to match the existing concrete surfaces. A brush or wet sponge may be used to help "wash out" the new concrete paste to aid in matching the exposed aggregate of the existing concrete. Contractor is responsible for determining a suitable way to finish the new concrete repair to closely match the finish appearance of the existing concrete.

C.7 Moist Curing. Use methods described in Bid Item 90007-Reinforced Concrete.

D. Method of Measurement. The City will measure Concrete Surface Repair-Vertical Surfaces by the square foot acceptably completed. Prior to the start of any work under this bid item, Contractor and Engineer shall agree upon an acceptable method to track quantities.

E. Basis of Payment. Concrete Surface Repair-Vertical Surfaces shall be paid for according to the contract unit price. Payment for Concrete Surface Repair is full compensation for removing and disposing of deteriorated concrete; and for cleaning reinforcing steel and concrete substrate; for forming, furnishing, hauling, placing, curing, and protecting all materials.

BID ITEM 90013 CLEANING EXISTING CONCRETE AND MASONRY

A. Description. The work includes cleaning all exposed to view concrete and masonry surfaces on both bridges. The underside of the bridges are not required to be cleaned in accordance with this bid item. The work under this bid item shall occur a minimum of three weeks prior to any new concrete or repointing work being performed on the bridges so that the cleaned appearance of both bridges can be used as a reference to match the new work to. It is important that this work be completed first, so that the specified cleaning solution has adequate time to clean the surfaces of the bridges. The specified cleaning solution works with the elements and results occur over time depending on severity of growth and weather conditions. The surface will become cleaner over time as the subsurface biological stains release.

B. Materials. Cleaning solution shall be biologically based, biodegradable, and shall remove stains originating from mold, algae, mildew, and lichens. It shall be effective on both concrete and masonry. It shall be non-mutagenic, contain no carcinogenic compounds, and be considered non-toxic. Cleaning solution shall be D/2 Biological Solution, or equal. Other alternate cleaning methods may be proposed by Contractor, but must be reviewed by Engineer prior to the start of any cleaning work. Sand blasting will not be approved for use as a cleaning method.

C. Construction Methods. Cleaning solution shall be used in accordance with the manufacturer's instructions. Cleaning solution should first be applied using the manufacturer's "Immediate Results Method". The surfaces shall then be allowed to dry and then the cleaning solution shall be reapplied using the manufacturer's "No Scrub/No Rinse Method".

If an alternate cleaning method is proposed by Contractor, a spot test sample shall be performed on each bridge. Prior to starting alternate cleaning method, the Contractor shall perform a spot test sample on a section of each bridge approximately 24" x 24" in size to demonstrate the aesthetic effects and qualities of materials and execution. Engineer shall review proposed alternate cleaning method spot test prior to use of it to clean remaining surfaces of bridges.

D. Method of Measurement. The City will measure the Cleaning Existing Concrete and Masonry bid item by the square foot acceptable completed.

E. Basis of Payment. Cleaning Existing Concrete and Masonry shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90014 CONCRETE SEALER

A. Description. The work includes applying concrete sealer to all exposed concrete surfaces of the Marston Avenue bridge. The underside of the bridge is not required to be sealed in accordance with this bid item. The work under this bid item shall occur after all other work associated with the bridge has been completed.

B. Materials. Concrete sealer shall be Baracade Silane 40 by The Euclid Chemical Company, or equal. Concrete sealer shall be a breathable, ready-to-use, colorless, non-staining, non-yellowing, deep penetrating concrete and masonry water repellent compound that meets the performance requirements of NCHRP 244.

C. Construction Methods. Prior to starting any concrete sealer work, the Contractor shall perform a spot test sample on a section of the bridge approximately 24" x 24" in size to demonstrate the aesthetic effects and qualities of materials and execution. Engineer must

approve proposed sealer application prior to use of proposed sealer on remaining surfaces of bridge.

Concrete sealer shall be applied in accordance with the manufacturer's instructions. Apply two coats at a dosage rate recommended by the manufacturer.

D. Method of Measurement. The City will measure the Concrete Sealer bid item by the square yard acceptable completed.

E. Basis of Payment. Concrete Sealer shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90015 ADDITIONAL REINFORCED CONCRETE MOCKUP

A. Description. The work includes preparing up to an additional six mockups, as requested by Engineer, for bid item 90007 - Reinforced Concrete. If City does not approve any of the mockups prepared under bid item 90007, then Contractor shall prepare additional mockups for review by the City.

B. Materials. See bid item 90007.

C. Construction Methods. See bid item 90007.

D. Method of Measurement. The City will measure the Additional Reinforced Concrete Mockup bid item by each mockup completed.

E. Basis of Payment. Additional Reinforced Concrete Mockup shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

BID ITEM 90016 ADDITIONAL CONCRETE SURFACE REPAIR-VERTICAL SURFACES MOCKUP

A. Description. The work includes preparing up to an additional six mockups, as requested by Engineer, for bid item 90012 - Concrete Surface Repair-Vertical Surfaces. If City does not approve any of the mockups prepared under bid item 90012, then Contractor shall prepare additional mockups for review by the City.

B. Materials. See bid item 90012.

C. Construction Methods. See bid item 90012.

D. Method of Measurement. The City will measure the Additional Concrete Surface Repair-Vertical Surfaces Mockup bid item by each mockup completed.

E. Basis of Payment. Additional Concrete Surface Repair-Vertical Surfaces Mockup shall be paid for according to the contract unit price. Price bid shall include materials, labor, and equipment necessary for a complete installation.

CGC, Inc.

Construction • Geotechnical
Consulting Engineering/Testing

January 8, 2014
C13392

Mr. Thomas J. Maglio
Landscape Architect IV
City of Madison Parks Division
City-County Bldg., Suite 104
210 Martin Luther King Jr. Blvd.
PO Box 2987 Madison, WI 53701-2987

Re: Concrete, Mortar and Rebar Testing
Tenney Park Bridges
Madison, WI

Dear Tom:

Construction • Geotechnical Consultants, Inc. (CGC) has completed its testing of the concrete, rebar and mortar on the above project. It is our understanding the test results will be used to help evaluate the condition of the pedestrian bridges and provide information for their restoration. As requested, CGC personnel visited the site on November 8, 2013 and performed the following tasks:

- Obtained four concrete cores from the Marston Avenue Bridge. One from the cap of each parapet wall for petrographic analysis (ASTM C856) and two additional cores for compressive strength tests. The compressive strength cores were to be drilled from the arch of the bridge. However, our technicians were unable to recover intact cores from the arch. As a result, it was determined in consultation with Keith Behrend of Strand Associates to core one additional core from each parapet wall for compressive strength testing.

- A sample of rebar from the Marston Avenue Bridge was obtained to determine tensile strength and yield stress.

- Samples of mortar were obtained from the Sherman Avenue Bridge for analysis (ASTM C1324) to determine its composition and character.

The results of the testing are summarized in the attached pages.

*****

2921 Perry Street, Madison WI 53713
Telephone: 608/288-4100
FAX: 608/288-7887

CGC, Inc.

We trust that this report addresses your current needs. If you have any question, please contact us at 608/288-4100.

Sincerely,

CGC, Inc.

Kim J. Lewis
Materials Laboratory Supervisor

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

cc: Keith Behrend, Strand Associates

Attachments:

- Compressive Strength of Cores
- Petrographic Examination of Cores
- Rebar Analysis

COMPRESSIVE STRENGTH OF CORES

CGC, Inc.	TEST REPORT COMPRESSIVE STRENGTH DRILLED CONCRETE CORES ASTM C42	Test No. 5931 Job No. C13392 Date January 7, 2014 Sheet 1 of 1

CGC, Inc. – 2921 Perry Street – Madison, WI 53713 – Phone: 608-288-4100 – FAX: 608-288-7887

Project: Marsten Avenue Bridge - Tenney Park

To: City of Madison Parks Dept
210 Martin Luther King Jr. Blvd.
P.O. Box 2987
Madison, WI 53701-2987

Copies to:

Attention: Mr. Tom Maglio

Sampling and Test Data

Field tests performed by CGC were done using applicable ASTM standards

Drilled By	CRV/AJG of CGC	Date Drilled	11/8/2013	
Date Received	11/8/2013	Date Tested	11/13/2013	
Date Concrete Placed	n/a	Representing	n/a	Cu Yd Placed
Concrete Supplier	n/a	Contractor	n/a	

Drilling Observations: --

Specifications

Designated Strength	n/a
Max Aggregate Size	3/4 Nominal
Concrete Mix Per Cubic Yard	--

Core No	Location	Len (in)	Dia. (in)	Corr. Factor	State	Fracture	Max. Load (lbs)	Age (Days)	Strength (PSI)
1	East Parapet Cap (bad side)	5.41	3.73	0.95	*	Cone	32,000**	n/a	2,780
2	West Parapet Cap (good side)	4.67	3.73	0.93	*	Cone	67,150**	n/a	5,710

Comments: *Cores were stored in a sealed plastic bag for 5 days prior to testing. **Load was applied along the horizontal plane of the concrete. n/a = information not available

Signature: K Stern Date: 1/7/14

MARSTON AVENUE BRIDGE
PETROGRAPHIC EXAMINATION OF CORES

SHERMAN AVENUE BRIDGE
MORTAR ANAYLSIS

Schmitt
Technical Services INC

January 7, 2014

Mr. Kim Lewis
CGC, Inc.
2921 Perry Street
Madison, WI 53713

Re: Petrographic Examination of Two Concrete Cores from the Marston Avenue Pedestrian Bridge and One Mortar Analysis from the Sherman Avenue Pedestrian Bridge at Tenney Park, Madison, Wisconsin (STS Job. No. 13065)

Dear Mr. Lewis:

Schmitt Technical Services, Inc. (STS) has completed petrographic and modified point count analyses of two (2) concrete cores and one (1) compositional analysis of mortar from the above referenced pedestrian bridges. The Marston Avenue Bridge was constructed in 1912. The Sherman Avenue Bridge was constructed in 1929. Both bridges are designated as City of Madison Landmarks and are on the National Register of Historic Places. The bridges are both in the design and planning stages of restoration. Petrographic examination was requested to determine the composition and quality of the concrete and mortar and cause(s) and extent of any observed deterioration.

Two (2) concrete cores, identified as "Marston Bridge West Parapet Core" and "Marston Bridge East Parapet Core", were delivered to STS by CGC on November 8, 2013. One (1) bag of mortar fragments, identified as "Original Mortar" was delivered to STS by CGC on November 11, 2013.

FINDINGS AND CONCLUSIONS

Subject to the qualifications in the attached Appendix, results of the analyses are as follows:

Marston Avenue Bridge

1. When received, the west parapet core was labeled "good" and the east parapet core was labeled "bad". Thus, a visual difference in condition between the two parapets was observed during field sampling. Petrographic examination indicates the following differences and the reasons for these differences as:

   (a) The east parapet outer surface has more relief (than the west parapet), such that cement paste which once covered the outer surface is gone (due to weathering and minor surficial freeze-thaw damage) and aggregate particles are partially exposed to a depth of up to 10 mm (0.39 in.; Figure 10).

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1829 Bourbon Road, Cross Plains, WI 53528
www.schmitttechnicalservices.com

(b) The west parapet outer surface has up to 5 mm (0.16 in.) loss of surface mortar, leaving a moderate degree of relief along the exposed surface (Figure 4). Therefore, visually, the east parapet concrete appears to be in a poorer condition than the west parapet.

(c) Cement paste along the outer 40-to-50 mm (1.6-to-2.0 in.) of the East Parapet core is soft, porous, raveled and weakly bonded to aggregate particles (Figure 10). Cement paste in this surface region is deeply carbonated (to a depth of 58 mm (2.3 in.) from the exterior surface).

(d) Bleed water channels are prominent in the outer surface region of the east parapet core (Figures 11 and 12); with some bleed water channels emanating directly from the soft, raveled areas. Thus, the outer area of high water content bled more profusely, especially adjacent to the formed surface.

(e) There are small, circular pockets (8 by 13 mm/0.32 by 0.51 in. dia.) of soft, porous cement paste randomly distributed throughout the core (Figure 12 and 13). The small isolated pockets of high water content occur throughout the East Parapet core. These isolated pockets and the high water content in the outer region indicate concrete cast in the east parapet was not thoroughly mixed. The area of high water content that comprises the outer 40-to-50 mm (1.6-to-2.0 in.) is highly susceptible to freeze-thaw damage, if saturated. There is already some minor cracking that has occurred in the outer 40-to-50 mm (1.6-to-2.0 in.) of the east parapet core (Figure 14). The cracks trend parallel to the outer surface, which is typical of flaking and peeling damage caused by freeze-thaw distress. It is recommended this outer soft zone be removed to uncarbonated paste and replaced.

2. The volumetric measured point count proportions of the concrete are as follows:

Mix Constituents	**Point Count Proportions, by volume (%)**	
	East Parapet (Bad)	West Parapet (Good)
Cement Paste	24.5	23
Coarse	50	50.5
Fine	22	24
Air	3.5	2.5

3. The point count data do indicate the concrete is non-air-entrained, with an entrapped air content ranging from 2.5% (in the West Parapet) to 3.5 % (in the East Parapet). Typical, modern concretes in exterior service environments have air contents of 6 ± 1-1/2%, paste contents in the 25-to-30% range, by volume and aggregate contents in the range of 60-to-75% by volume with a 30-to-40% coarse aggregate volume to fine aggregate volume, or a variation thereof depending on the concrete properties desired.

4. Coarse aggregate is a crushed dolomite, which is typically used as coarse aggregate in our geographic region. Fine aggregate is a natural sand that is typical of glacial deposits used for concrete in our region. Maximum aggregate size is 3/4 in. However, the aggregate appears gap-graded, as there are only small amounts of 3/8 in. and No. 4 sieve sizes in the coarse aggregate, which is not unusual of concrete aggregate made at the time (Figure 9).

5. Petrographic examination indicates no supplementary cementitious materials were used in the concrete. Water to cement ratio is estimated in the range of 0.35-to-0.45. Based on this water to cement ratio, the cement content is calculated as 5.5 bags per cubic yard. Typically, concrete today would be designed for no less than 4.0-to-4.5 bags per cubic yard. The following is the calculated mix proportions by weight per cubic yard based on assuming a specific gravity of 3.15 for Portland cement, 2.58 for coarse aggregate and 2.63 for fine aggregate:

Mix Constituents	Avg. Point Count Proportions, by volume, in %	Equivalent Mix Proportions, in lbs./cy
Cement Paste	24	Cement: 511
		Water: 206
Coarse Aggregate	50	Coarse: 2173
Fine Aggregate	23	Fine: 1017
Air	3	3.0%

This mix would have been quite stiff (i.e. low slump). Coarse to fine aggregate ratio is much higher than concretes made today. The mix is non-air-entrained, which would not be placed in this kind of service environment today. However the somewhat high cement factor and low water-to-cement ratio appears to offset the lack of entrainment from a durability standpoint.

6. Removal of soft, unsound outer concrete and replacement with a concrete mixture in accordance with ACI 318 and ACI 201 guidelines pertaining to durable concrete, adequate and suitable anchorage of repair concrete to substrate concrete and pigmentation of the repair concrete to match existing in-place concrete not removed and still exposed should be given additional consideration through trial batching of a repair concrete mix and bond or anchorage testing on small, field test sections of the bridge.

Sherman Avenue Bridge

1. The mortar sample was analyzed for soluble silica, calcium oxide, insoluble residue and loss on ignition (LOI) at 105°C, 550°C and 950°C. From this data, composition content

of the hardened masonry sample was calculated. Results are summarized in Table 2 below.

Table 2. Chemical Analysis Results for Sherman Ave. Bridge (ASTM C 1324)

STS Project No.:	13065	**Report Date:**	13-Dec-2013
Client:	CGC, Inc.	**Examined by:**	James Schmitt
Project:	Sherman Avenue Ped. Bridge, Tenney Park	**Method:**	ASTM C 1324
Location:	Madison , WI	**Analyst:**	Elizabeth Otteson
Submitter:	Kim Lewis		
Lab Determined Composition (as %)		**13065-1**	
Soluble Silica		4.83	
Calcium oxide		13.80	
Insoluble Residue (Sand)		51.19	
L.O.I. @ 105° C		1.46	
L.O.I. @ 550° C		2.13	
L.O.I. @ 950° C		13.65	
Calculated Composition[1]			
Portland Cement , %		23	
Masonry Cement, %		45	
Hydrated Lime, %		7	
Sand, %		51	
Portland Cement: Masonry Cement		0.5	
MC: Sand Volumetric Proportions		1:2.6	

Notes: [1] Ratios are calculated based on loose volumetric proportions, using loose bulk density of 94 pcf for Portland Cement (PC), Masonry Cement (MC) calculated by difference (100 less the sum of sand and total water), 40 pcf for hydrated lime and 80 pcf for sand. The masonry cement is assumed to contain all of the hydrated lime and Portland cement.

2. Chemical analysis determined this is a masonry cement mortar having a masonry cement-to-sand ratio as follows:

Sample (MC: Sand Volumetric Proportions)	
13065-1	**1.0:2.6**

3. Based on the proportions given above, the mortar is consistent with a Type "N" Masonry Cement mortar per ASTM C270.

4. Mortar represented by the sample is composed of a mixture of calcareous siliceous natural sand evenly dispersed in a hardened cementitious paste matrix of masonry cement, as evidenced by the white color of the mortar, high air content (estimated to be 18-to-24%), presence of hydrated lime, finely ground limestone, in-situ hydrated relicts and unhydrated Portland cement clinker particles (Figures 17 through 22). No pigment is apparent in the mortar. The sand appears durable and is performing as intended.

5. Aggregate is a mixed siliceous and calcareous natural sand composed of a wide variety of rock and mineral types including quartz, feldspar, chert, chalcedony, dolomite, granite and other rock and mineral types. Quartz is the most prominent mineral component of the aggregate. The sand particles are subangular to well-rounded and uniformly dispersed throughout the mortar (Figures 17 and 18). The sand has a maximum size of 4 mm (0.16 in. or about the diameter of the No. 5 US standard mesh sieve screen). The aggregate is poorly-graded (Figures 17 and 18), which is typical of the level of materials technology at the time of construction. This aggregate does not approximate the sand gradation of ASTM C 144 (Standard Specification for Aggregate for Masonry Mortar). The aggregate composition and properties are typical of glacial sands found in the area. The aggregate does not exhibit deterioration or evidence of poor service performance. Rather, the aggregate appears to be performing as intended.

6. Mortar cement paste is hard and tightly bonded to aggregate particles in that freshly broken surfaces of the mortar pass mostly through aggregate particles. The paste is dense, as indicated by slow absorption of droplets of water applied to freshly broken surfaces of the mortar. Cement paste in some fragments is carbonated, yet in thicker pieces, the cement paste is not carbonated (Figure 16), which indicates a low permeability. The paste exhibits a very advanced state of hydration (Figure 19), as would be expected for its age. Based on paste properties observed, water-cement ratio is estimated to be moderate, that is, estimated in the range of 0.50 to 0.55.

7. Due to the method of sampling, a full joint thickness was not obtained. Thus, a mortar joint thickness cannot be determined in the laboratory. Most of the fragments are broken surfaces and have cracks in them, and which, may or may not be due to the method of sampling.

8. Based on results of the petrographic examination, the mortar is considered to be of good quality with little to no deterioration in the sample examined. The mortar has performed well given its age and length of service.

Details of the petrographic examinations are provided in the following sections of this report.

METHODS OF TEST

Chemical Analysis

Chemical analysis of the mortar was performed per ASTM C 1324, "Standard Test Method for Examination and Analysis of Hardened Masonry Mortar." Determination of calcium oxide level was performed using ASTM C114, "Standard Test Method for Chemical Analysis of Hydraulic Cement: Section 9: Ammonium Hydroxide and Section 15: Calcium Oxide".

Petrographic Examination

The concrete samples and the mortar sample were examined using selected techniques and procedures outlined in ASTM C 856, "Standard Practice for Petrographic Examination of Hardened Concrete" and the Federal Highway Administration's Publication No. FHWA-HRT-04-150, "Petrographic Methods of Examining Hardened Concrete: A Petrographic Manual."

The examination included sawing each chunk sample perpendicular to steel reinforcement (Figures 1b and 2b); followed by lapping one half of the sawed slice with successively finer lapping grits to produce a finely ground (and nearly polished) surface. The lapped surface of the concrete slice and freshly broken surfaces of the concrete were examined visually (with the unaided eye) and under a stereomicroscope at magnifications of 7 to 40X.

In addition, a thin section was made from each concrete sample, as were temporary, crushed fragment (i.e., "powder or immersion") mounts of paste and aggregate. The thin section and immersion mounts were examined under plane and cross-polarized light at magnifications of 50 to 400X using a polarizing light microscope.

Estimates of water-to-cement ratio were done using techniques outlined in FHWA-HRT-04-150 and methods developed by Dr. Donald Campbell ("Application of the Microscope in the Concrete Industry," Proceedings of the Third International Conference on Cement Microscopy, Houston, 1981). Petrographic examination is also utilized in analysis of mortar and stucco in accordance with ASTM C 1324, "Standard Test Method for Examination and Analysis of Hardened Masonry Mortar."

Modified Point Count Analysis

The concrete samples were analyzed by the modified point count method of ASTM C 457, "Standard Test Method for Microscopical Determination of Parameters of the Air-Void System in Hardened Concrete." A longitudinally sawed and lapped slice of each core was analyzed using a computer-assisted, modified point count/linear traverse apparatus equipped with a stereomicroscope at a magnification of 90X to determine the hardened air-void content, cement paste content and aggregate contents.

PETROGRAPHIC EXAMINATION

Marston Avenue Pedestrian Bridge

Marston Bridge West Parapet Core

General Description

The sample consists of a concrete core identified by STS as "Marston Bridge West Parapet Core" (Figure 1). The core is 145 mm (5.7 in.) long and has a diameter of 93 mm (3.7 in.).

The exterior concrete surface is weathered such that cement paste which once covered the outer surface is gone and aggregate particles are partially exposed (Figure 4). Up to 5 mm (0.16 in.) of coarse aggregate particles are exposed, leaving a moderate degree of relief along the exposed surface. The surface is covered with black lichens, giving the appearance of being dirty (Figure 4).

The interior surface is an irregular fracture surface, having the partial imprint of a smooth, relatively uncorroded, reinforcing bar. The fracture surface passes through many aggregate particles, indicating significant development of bond between the cement paste and aggregate particles.

A fine, vertical microcrack extends from the outer surface (Figure 5) to a depth of 12 mm (0.47 in.) where it abruptly terminates in a coarse aggregate particle. The microcrack passes around aggregate particles, suggesting the crack formed before significant development of bond between the cement paste and aggregate. Thus, the microcrack is likely due to minor drying shrinkage.

Aggregate

Aggregate appears gap-graded, as there are only small amounts of 3/8 in. and No. 4 sieve sizes in the coarse aggregate (Figure 9). Fine aggregate appears uniformly graded. Measured maximum aggregate size is 19 mm (3/4 in.). The aggregate is uniformly dispersed.

Coarse aggregate is composed of crushed dolomite with minor amounts of chert and sandstone. The latter are likely impurities or interbeds within the dolomite. Coarse aggregate particles are primarily tan and to a minor extent, gray and white. Coarse aggregate is moderately hard; dense; angular to subangular; equant and elongated in shape and have a rough surface texture.

Fine aggregate is natural sand containing primarily quartz and dolomite, plus smaller amounts of chert, chalcedony, feldspar, meta-quartzite, and sandstone. Dolomite fines (from the coarse aggregate) are abundant. Fine aggregate particles are variously colored from brown, white, red, gray and translucent; moderately hard to hard, dense; sub rounded-to-well rounded; generally spherical and have a smooth surface texture.

The aggregate does not exhibit any form of deterioration or evidence of poor service (Figure 9). Rather, the aggregate observed appears to be performing as intended.

Cement Paste

The cement paste is tan. The paste has a subvitreous luster and a microgranular texture. Cement paste is hard, dense and well bonded to aggregate particles with a hackly fracture. Cement paste is carbonated to a depth of 2-to-5 mm (0.08-to-0.20 in.) from the outer surface.

The cement paste is thoroughly hydrated, as evidenced by few residual cement particles but numerous relicts of cement particles (Figure 6). In particular, the iron bearing belite/aluminoferrite phases of the cement remain, giving the cement paste its tan coloration (Figure 6). Calcium hydroxide, a normal hydration product, is present in a moderate amount (estimated as 9-to-12% of the paste, by volume) as very fine crystalline masses (Figure 7), often adjacent to aggregate particles (Figure 8). No evidence of supplementary cementitious materials was observed.

Properties of the paste previously described are evaluated to provide an estimate of the water-to-cement ratio (w/c). Based on paste properties observed, water-cement ratio is estimated to be moderately low and in the range of 0.35-to-0.45.

Air Voids

The concrete contains very few air-voids (Figure 9). Those voids present are small-to-large and irregularly shaped, which is typical of entrapped air. Therefore, the concrete is not air entrained. Air content is estimated to be 0.5-to-1.0%, by volume of concrete.

Innocuous, secondary deposits composed of calcium carbonate and ettringite line some of the voids, and which, suggests moisture has migrated into the concrete.

Marston Bridge East Parapet Core

General Description

The sample consists of a concrete core identified by STS as "Marston Bridge East Parapet Core" (Figure 2). The core is 189 mm (7.4 in.) long and has a diameter of 93 mm (3.7 in.).

The exterior concrete surface is weathered such that cement paste that once covered the outer surface is gone and aggregate particles are partially exposed. Up to 10 mm (0.39 in.) of coarse aggregate particles are exposed, leaving a very high degree of relief along the exposed surface. The surface is covered with black lichens, giving the appearance of being dirty.

Cement paste along the outer 40-to-50 mm (1.6-to-2.0 in.) of the core is soft, porous, raveled and weakly bonded to aggregate particles (Figure 10). Cement paste is carbonated to a depth of 58 mm (2.3 in.) from the exterior surface. Bleed water channels are prominent in this area (Figures 11 and 12) with some bleed water channels emanating directly from the soft, raveled areas.

There are also small circular pockets (8 by 13 mm/0.32 by 0.51 in. dia.) of soft, porous cement paste randomly distributed throughout the core (Figures 12 and 13). The area of high water content that comprises the outer 40-to-50 mm (1.6-to-2.0 in.) is highly susceptible to freeze-thaw damage, if saturated.

There is some minor cracking in the outer 40-to-50 mm (1.6-to-2.0 in.) of the core. The cracks trend parallel to the outer surface (Figure 14), which is typical of flaking and peeling damage caused by freeze-thaw distress.

The interior surface is an irregular fracture surface that passes through many aggregate particles, indicating significant development of bond between the cement paste and aggregate particles.

Steel reinforcement is not present in this core.

Aggregate

Aggregate is comprised of similar materials and properties as described for Marston Bridge West Parapet Core. Measured maximum aggregate size is 19 mm (3/4 in.). The aggregate does not exhibit any form of deterioration or evidence of poor service. Rather, the aggregate observed appears to be performing as intended.

Cement Paste

Cement paste is similar in properties and composition to the Marston Bridge West Parapet Core with the exception of the outer 40-to-50 mm (1.6-to-2.0 in.) of the core and the small pockets of soft, porous cement paste that are randomly distributed throughout the core. Paste carbonation is 59 mm (2.3 in.) depth from the outer surface.

Based on paste properties observed, water-to-cement ratio is estimated to be 0.35-to-0.45. However, the outer 40-to-50 mm (1.6-to-2.0 in.) of the core and small pockets of soft, porous cement paste that are randomly distributed throughout the core are of high water-to-cement ratio, estimated to be 0.65 and perhaps higher.

Air Voids

The concrete contains very few air-voids. Those voids present are small-to-large and irregularly shaped, which is typical of entrapped air. Therefore, the concrete is not air entrained. Air content is estimated to be 0.5-to-1.0%, by volume of concrete.

Innocuous, secondary deposits composed of calcium carbonate and ettringite line some of the voids, and which, suggests moisture has migrated into the concrete.

Sherman Avenue Bridge

Original Mortar Sample

General Description

The sample consists of a bag of several mortar fragments (Figure 3) of varying dimensions. The bag has been identified as "Original Mortar". It does not appear that any of the fragments represent the full thickness of a mortar joint. Thus, a mortar joint thickness cannot be determined in the laboratory. Most of the fragments are broken surfaces and have cracks in them, and which, may or may not be due to the method of sampling. Some of the mortar surfaces are coated with dirt and black lichens (Figure 15). Surface paste has been worn away, partially exposing aggregate particles (Figure 15). Secondary deposits of calcium carbonate coat parts of the surfaces. These specimens represent a remnant of a tooled finish.

Mortar Aggregates

The aggregate is uniformly dispersed throughout the mortar (Figure 17). Measured maximum aggregate size is 4 mm (0.16 in. or about the diameter of the No. 5 US standard mesh sieve screen). The aggregate is poorly-graded, which is typical of the level of materials technology at the time of construction. This aggregate does not approximate the sand gradation of ASTM C 144 (Standard Specification for Aggregate for Masonry Mortar).

Aggregate is a mixed siliceous and calcareous natural sand composed of a wide variety of rock and mineral types including quartz, feldspar, chert, chalcedony, dolomite, granite and other rock and mineral types. Quartz is the most prominent mineral component of the aggregate. Aggregate is translucent, brown, tan, gray, and white. Aggregate is moderately hard to hard; dense; sub-angular to well-rounded; mainly equant in shape and has a smooth surface texture. The aggregate composition and properties are typical of glacial sands found in the area.

The aggregate does not exhibit deterioration or evidence of poor service performance. Rather, the aggregate appears to be performing as intended.

Mortar Cement Paste Matrix

The cement paste matrix is beige-to-white. The paste is hard and dense, as water drops placed on freshly fractured surface are very slowly absorbed into the mortar. The paste is well-bonded to aggregate particles as fresh fractures in the laboratory pass around some, but more prominently through aggregate particles. Paste exhibits a pearly luster, amorphous texture and an uneven fracture. Cement paste in some fragments is carbonated, yet in thicker pieces, the cement paste is not carbonated (Figure 16), which indicates a low permeability. The paste exhibits a very advance state of hydration, as would be expected for its age.

No supplementary cementitious materials are observed. There are just a few residual cement particles, primarily of the belite phase. Finely ground calcite (limestone) is present in the paste (Figure 20 and 21). Hydrated lime is a part of the cement paste matrix. Small balls of hydrated lime are present (Figures 18 and 21). The white color and presence of finely ground limestone and other properties indicate masonry cement was used.

Properties of the paste previously described are evaluated to provide an estimate of the water-to-cementitious materials ratio. Based on paste properties observed, water-cementitious materials ratio is estimated to be moderate, that is, estimated to be in the range of 0.50-to-0.55.

The cement paste does not exhibit deterioration or evidence of poor service performance. Rather, the cement paste appears to be of good quality and performing exceptionally for its age. If damage is seen in the field, it would most likely be due to freezing and thawing conditions where the mortar is saturated and will likely be found where moisture accumulates and drainage is poor.

Mortar Air Voids

There are numerous small-to-large, irregularly shaped voids typical of entrapped air (Figure 22). The mortar age is prior to the use of air entraining admixtures. The air distribution highly varies, as do the size of the voids. This suggests somewhat non-uniform compaction of the mortar. Air content is estimated to be 18-to-24%, by volume. This is quite high for cement-lime mortar, but again may be reflective of placements of its vintage.

Some of the voids are lined with secondary deposits of innocuous calcium carbonate and ettringite (Figures 17 and 20), suggesting minor intrusion of moisture into the mortar.

*****

We appreciate the opportunity to assist you on this project. If you have any questions or need additional consultation, please contact us.

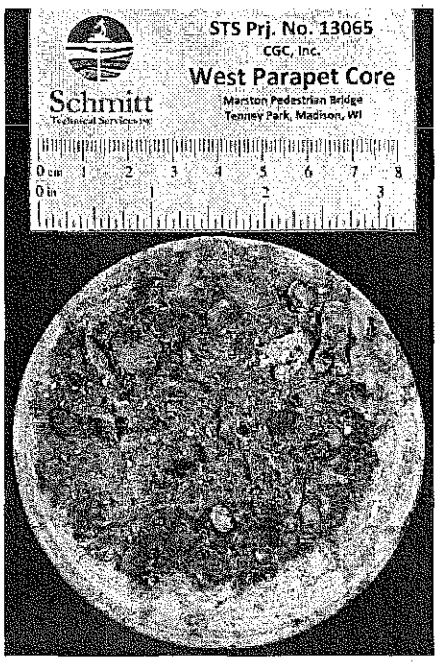
Sincerely,

Schmitt Technical Services, Inc.

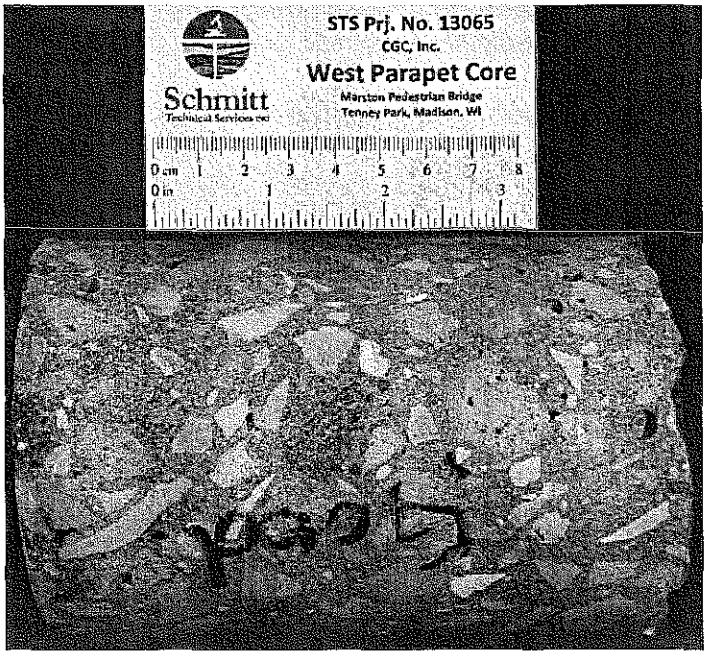
James W. Schmitt
Principal/President

JWS/jws

Attachments



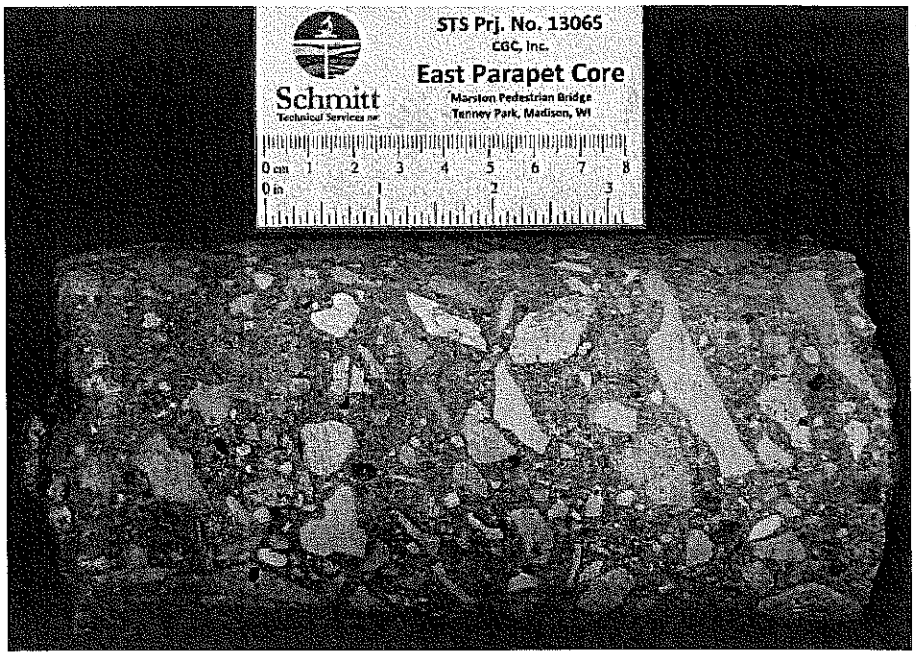
(a) Exterior surface.



(b) Core side, exterior surface is to the left.

Figure 1. "Marston Bridge West Parapet Core" as received for petrographic analysis. Scales are in inches.

(b) Exterior surface.



(b) Core side, exterior surface is to the left.

Figure 2. "Marston Bridge East Parapet Core" as received for petrographic analysis. Scales are in inches.

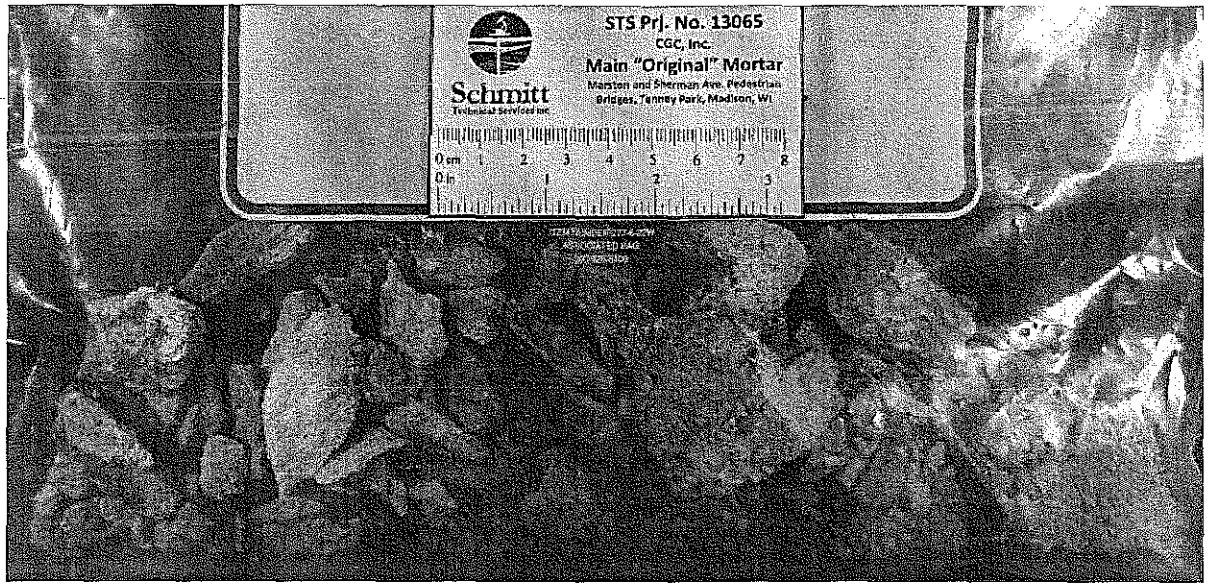


Figure 3. "Original Mortar Sample" as received for petrographic analysis. Scale is in inches.

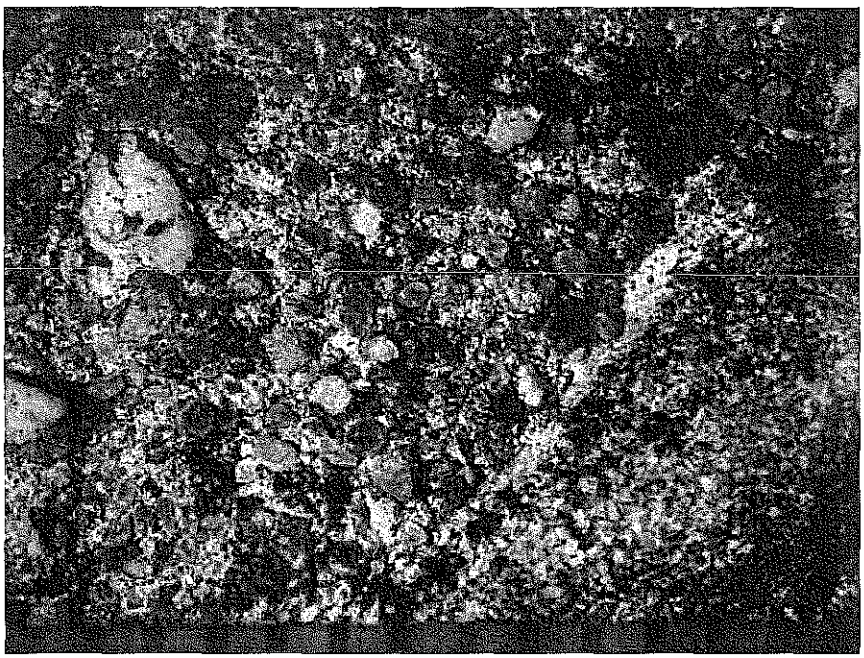


Figure 4. Photomicrograph along the outer surface of West Parapet core. The outer surface is weathered such that cement paste which once covered the outer surface is gone and aggregate particles are partially exposed. Up to 5 mm (0.16 in.) of coarse aggregate particles are exposed leaving a moderate degree of relief along the exposed surface. The surface is covered with black lichens, giving the appearance of being dirty. Scale is in millimeters.

Figure 5. Photomicrograph along the lapped surface of the West Parapet core at and just below the outer surface (at top of photo). Red arrows point to a fine, vertical, microcrack extending from the outer surface to a depth of 12 mm (0.47 in.) where it abruptly terminates in a coarse aggregate particle. The microcrack passes around aggregate particles, suggesting the crack formed before significant development of bond between the cement paste and aggregate. The microcrack appears due to minor drying shrinkage. Scale is in millimeters.

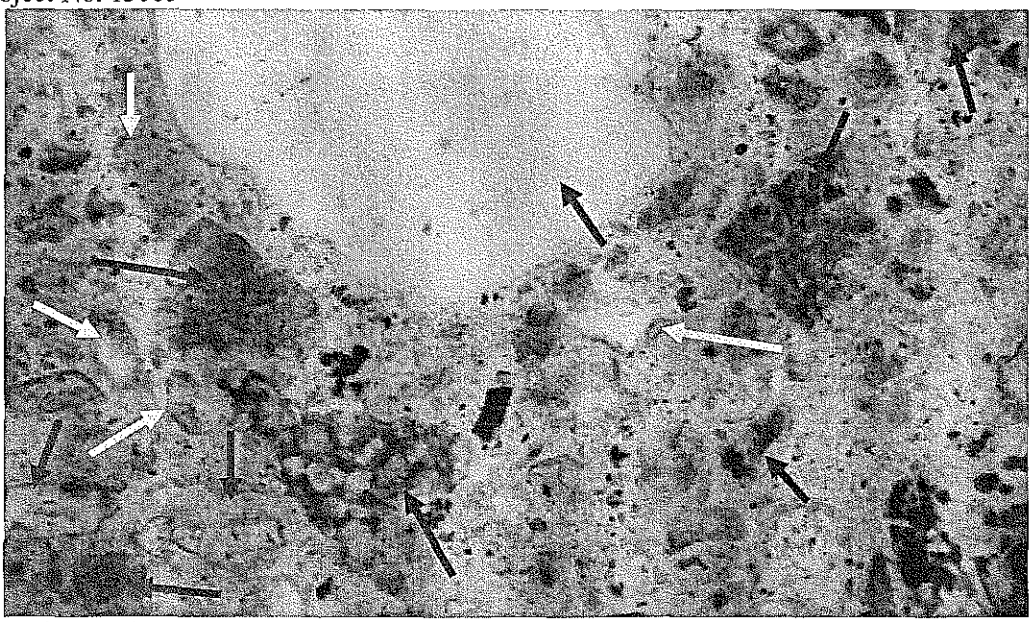


Figure 6. Thin section photomicrograph showing the microstructure of the West Parapet Core. Red arrows point to iron bearing belite/aluminoferrite phases of the residual cement that give cement paste its tan coloration. Yellow arrows point to residual and relict cement particles. Blue arrows point aggregate particles. The white background is fully hydrated cement (calcium silicate hydrate). 200x magnification. Plane-polarized light.

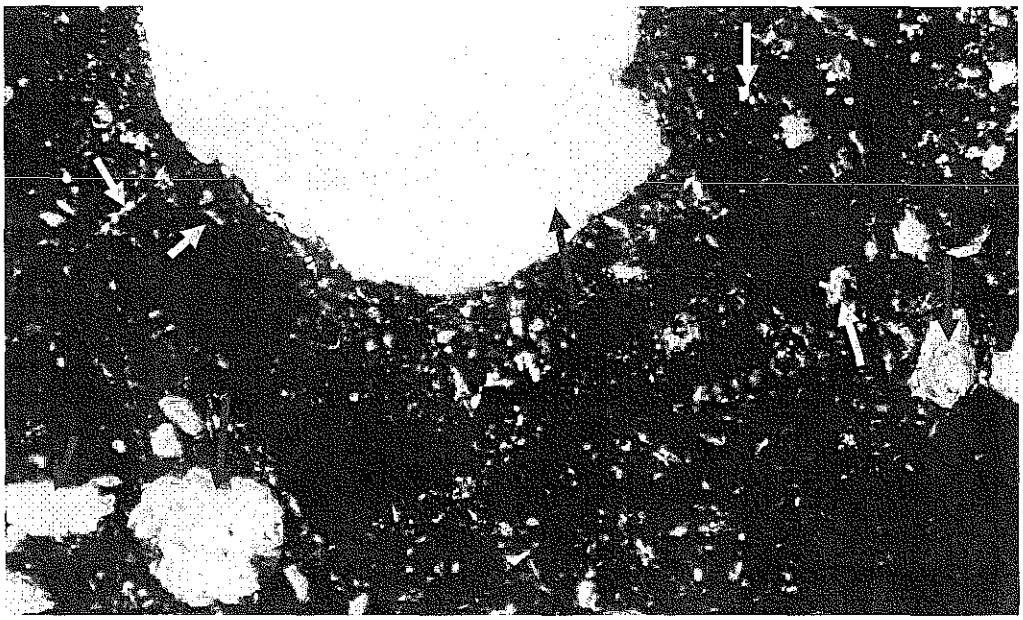


Figure 7. Same thin section photomicrograph as in Figure 6, except under crossed-polarized light, showing the microstructure of the West Parapet Core. Yellow arrows point to calcium hydroxide, a typical hydration product. Blue arrows point aggregate particles. The black background is fully hydrated cement (calcium silicate hydrate). 200x magnification.

Figure 8. Thin section photomicrograph showing calcium hydroxide (yellow arrows), a normal hydration product, adjacent to an aggregate particle (red arrows) of the West Parapet Core. 400x magnification. Crossed-polarized light.

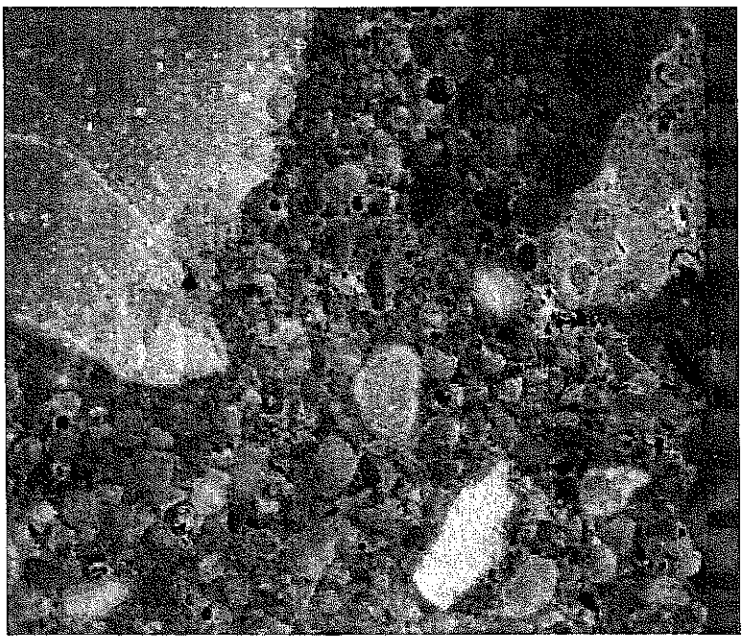


Figure 9. Photomicrograph along the lapped surface of West Parapet core showing aggregate grading and distribution, dense cement paste matrix and presence of only some entrapped air-voids. Scale is in millimeters.

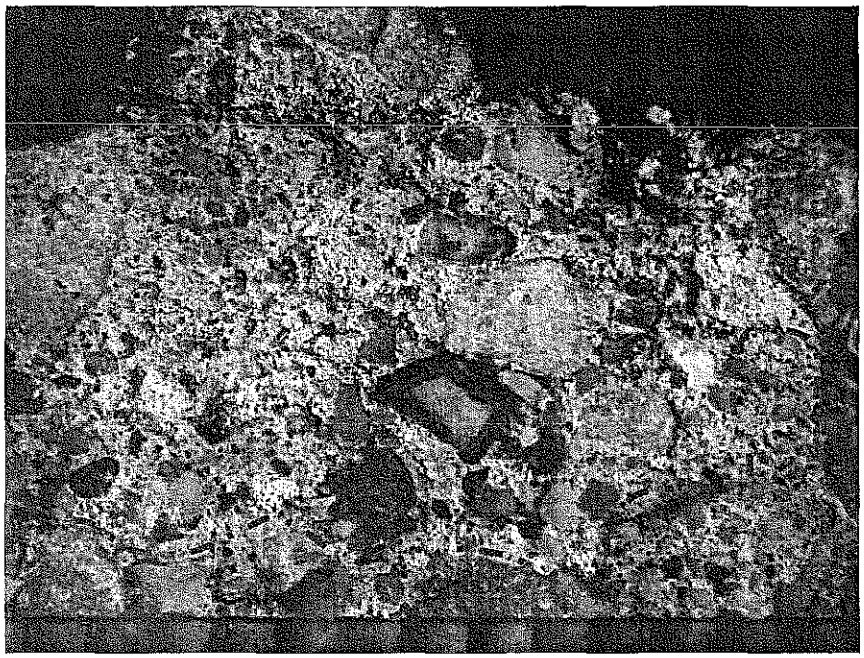


Figure 10. Photomicrograph along the lapped surface of East Parapet core at and just below the outer surface. The area above the dashed line is soft, porous, raveled and weakly bonded to aggregate particles. Scale is in millimeters.

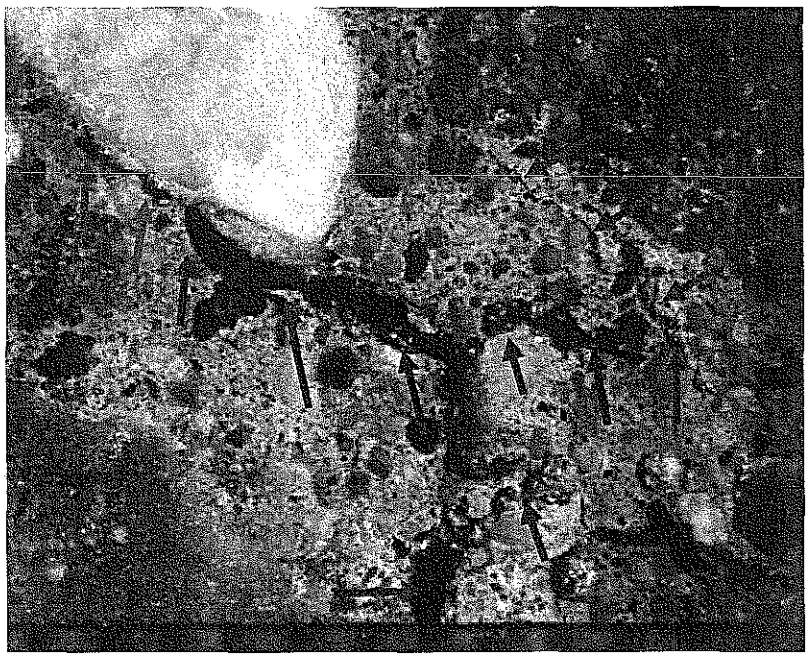


Figure 11. Photomicrograph along the lapped surface of East Parapet core showing bleed water channels and bleed water induced gaps (red arrows). Scale is in millimeters.

Figure 12. Photomicrograph along the lapped surface of East Parapet core illustrating bleed water channels (red arrows) and small pockets of soft, porous cement paste (within red dashed circles). Scale is in millimeters.

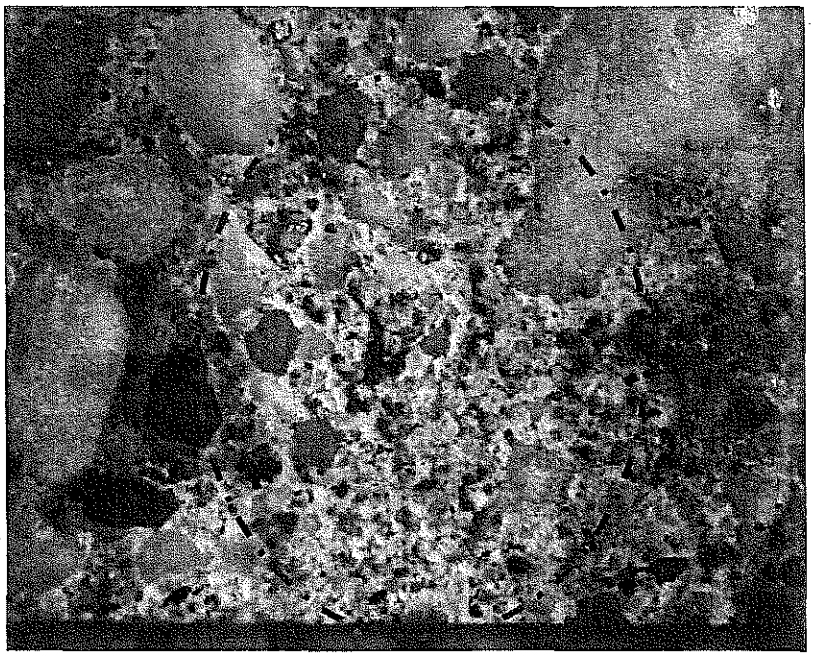


Figure 13. Photomicrograph along the lapped surface of East Parapet core. A small pocket of soft, porous cement paste is located within the red dashed circle. Scale is in millimeters.

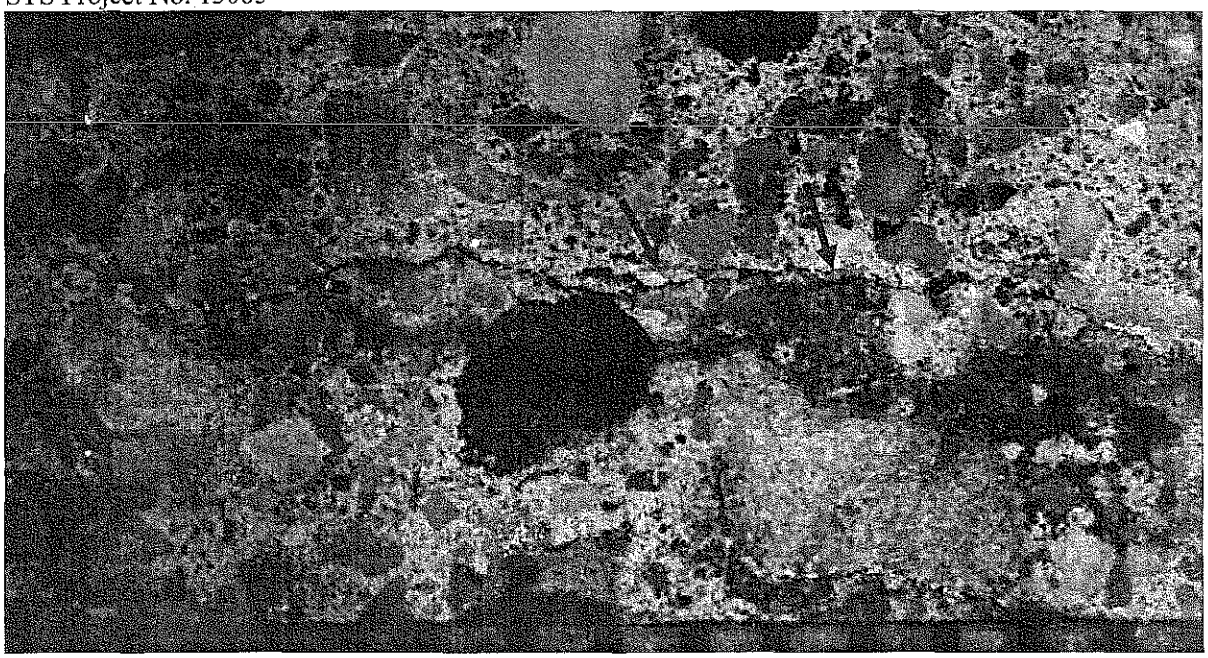


Figure 14. Photomicrograph along the lapped surface of East Parapet core at and just below the outer surface. The red arrows point to a crack trending subparallel to the outer surface. The crack is typical of freeze-thaw damage. Scale is in millimeters.

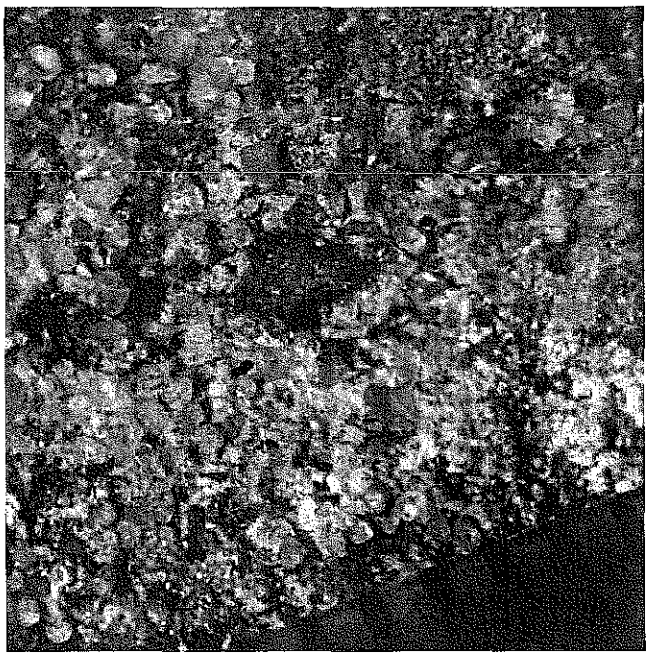


Figure 15. Photomicrograph along the outer surface of the Mortar. Aggregate particles are partially exposed due to weathering. Black lichens are present on the outer surface. Scale is in millimeters.

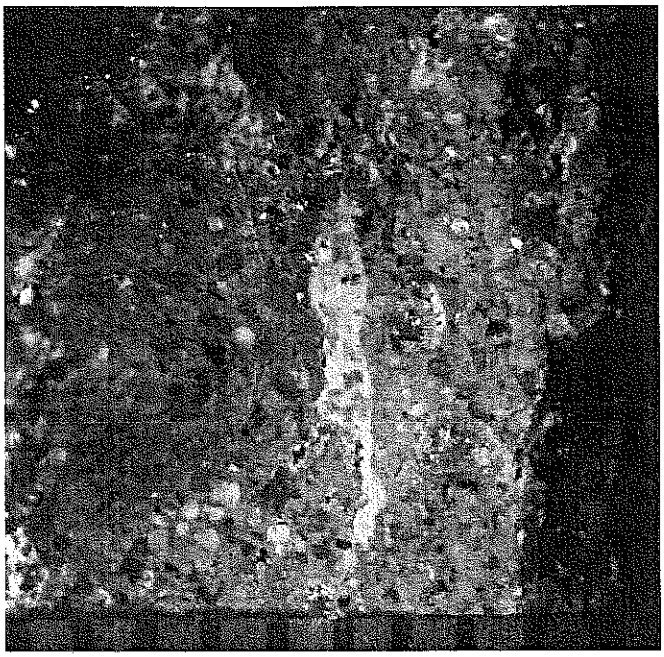


Figure 16. Photomicrograph along a freshly broken surface of the Mortar Sample. The red pH indicator shows that much of the mortar is not carbonated. Scale is in millimeters.

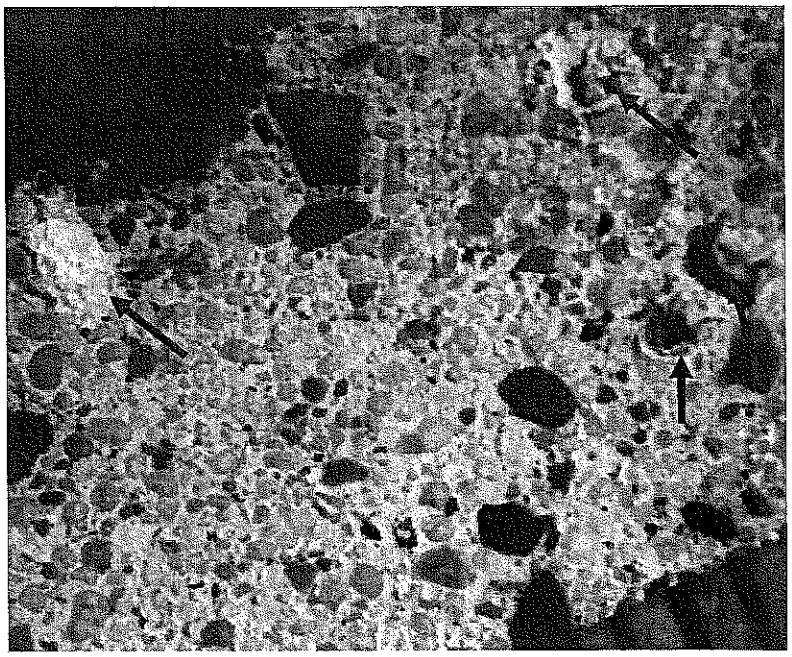


Figure 17. Photomicrograph along the lapped surface of the Mortar Sample showing uniform distribution, but poor grading of the aggregate. Red arrows point to secondary deposits lining voids. Scale is in millimeters.

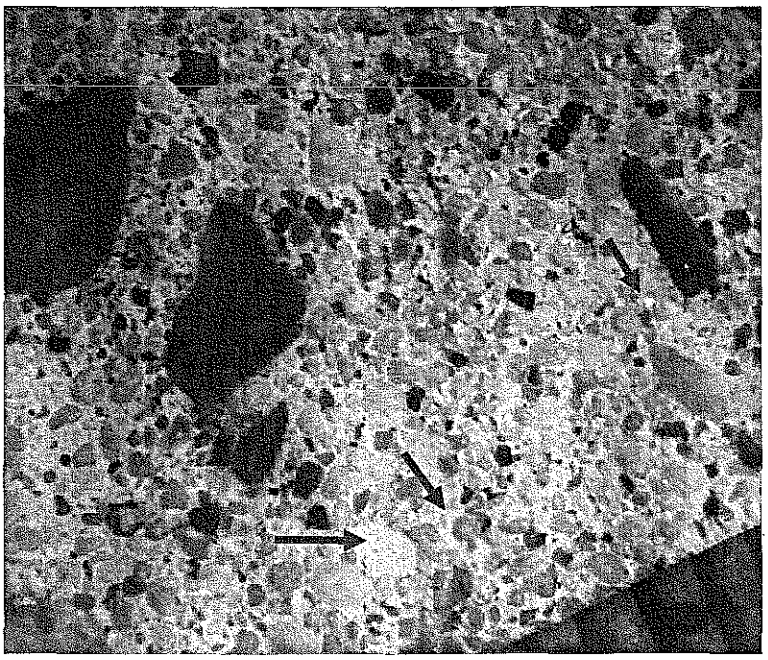


Figure 18. Photomicrograph along the lapped surface of the Mortar Sample illustrating hydrated lime (red arrows). Scale is in millimeters.

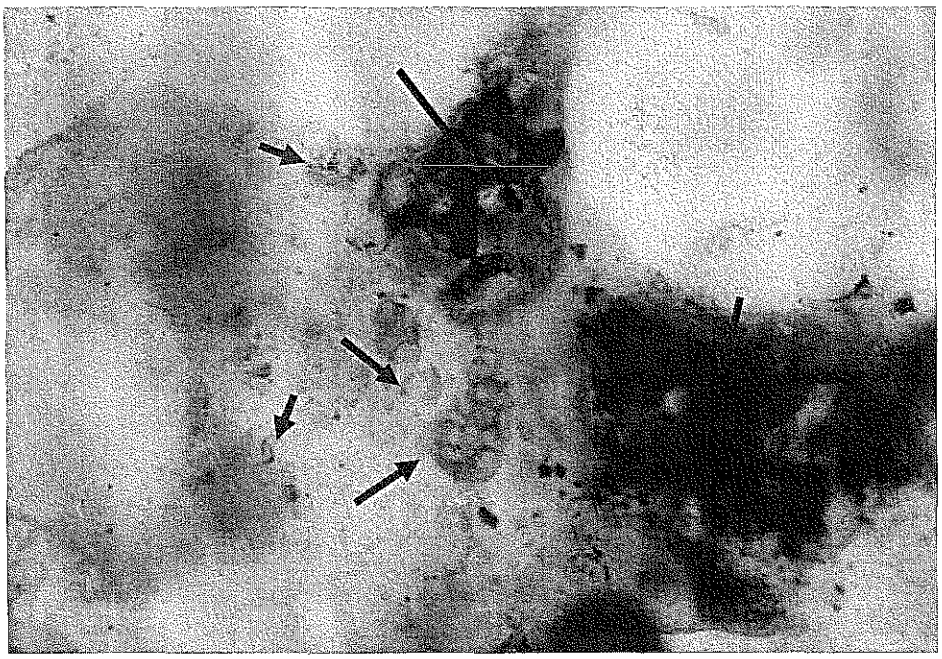


Figure 19. Thin section photomicrograph of the Mortar Sample showing coarse residual cement particles (red arrows) and relicts of cement particles (blue arrows). 400x magnification. Plane-polarized light.

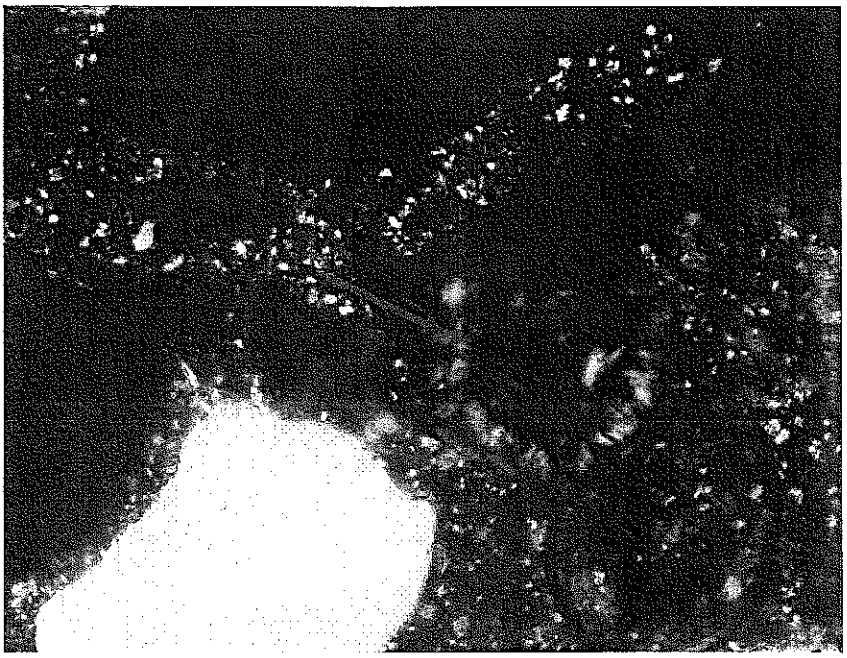


Figure 20. Thin section photomicrograph of the Mortar Sample illustrating secondary, acicular shaped ettringite lining a void (red arrow) and several small, gold to white particles that are finely ground limestone. 200x magnification. Crossed-polarized light.

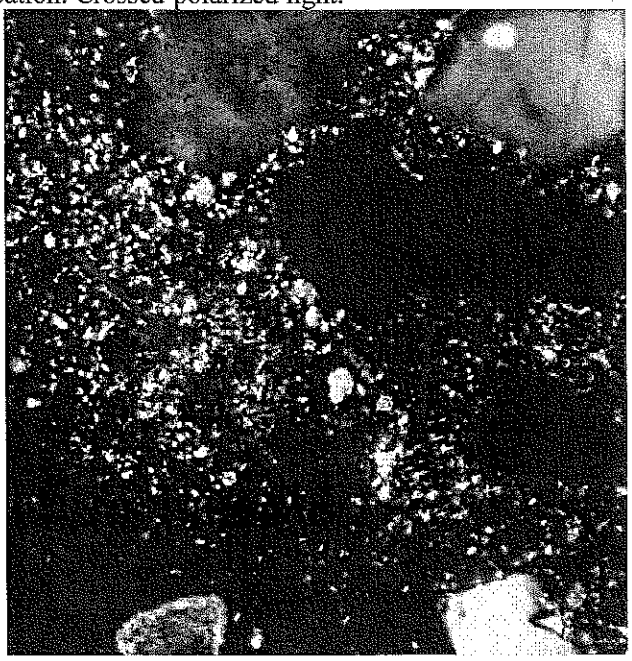


Figure 21. Thin section photomicrograph along the lapped surface of the Mortar Sample showing hydrated lime (red arrows) and several small, gold to white particles that are finely ground limestone. Larger, gray particles are aggregate.100x magnification. Crossed-polarized light.

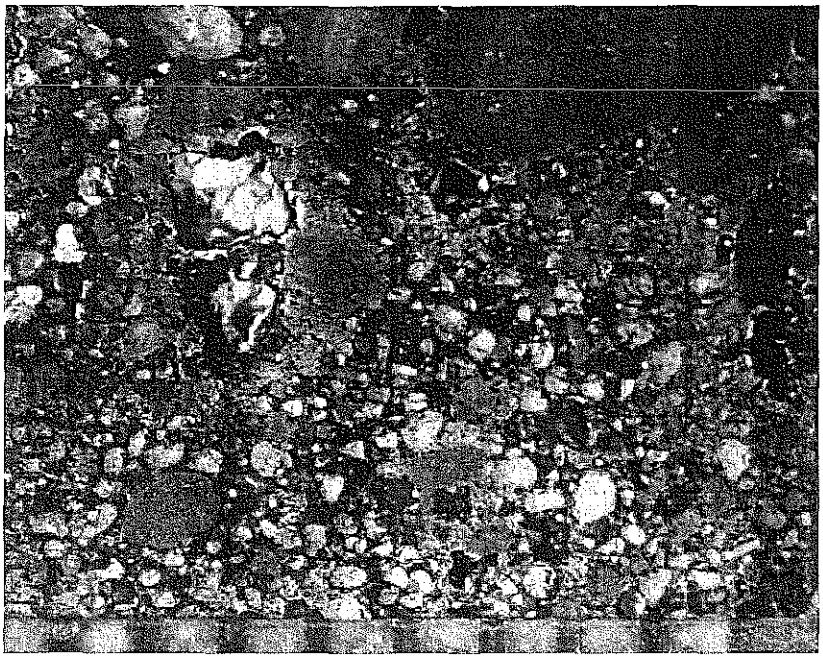


Figure 22. Photomicrograph along the lapped surface of the Mortar Sample illustrating the numerous voids. Surface has been dyed with India ink to make voids easier to see. 200x magnification. Plane-polarized light.

APPENDIX
DOCUMENT QUALIFICATIONS

Standard of Care
This report has been prepared for the exclusive use of the Client for specification application to their project. This report is not intended for use by others. Schmitt Technical Services, Inc. (STS) has provided professional services consistent with generally accepted evaluative and geologic practices. No other warranties are expressed or implied. The opinions and recommendations submitted in this report are based on interpretation of field observations, samples taken from specific locations and/or field and/or laboratory test results.

Samples
The samples taken during the field observations depict conditions only at specific locations and times indicated in the report. Conditions at other locations may differ from conditions where sampling was conducted. The passage of time may also result in changes in conditions interpreted to exist at the locations where sampling was conducted.

Completion of Characterization of Site Conditions
The scope of services described in this report is based on a limited number of samples. The nature and variations in other locations may exist and may not become evident until repairs are performed. If variations or other latent conditions become evident, additional evaluation and testing may be warranted.

Conceptual Level of Project Scope
The field activities, testing procedures and evaluative approaches used in this study are consistent with those normally used in testing of construction materials and products. The number of samples and tests and scope of testing were done within Client's budget, but may or may not represents less data than that generally needed to evaluate the areal extent of less than expected performance.

Test Repair and Repair Observations and Testing
Since findings, discussion and observations are based on limited numbers of observations and tests, the Client should be particularly sensitive to the potential need for adjustment in extent of repair, repair procedures and repair materials in the field. It is in the best interest of the client to retain STS to observe and test repair materials and repairs to observe general compliance with repair design concepts, specifications and contractor/manufacturer recommendations and to assist in development of changes should field conditions differ from those anticipated before the start of repair construction.

Limitations-Repair Construction Considerations
The recommendations made in the report are not intended to dictate type of repair materials to be used, construction methods or construction sequences. Prospective contractors and material suppliers must evaluate potential repair problems on the basis of their knowledge and experience in the local area and on the basis of similar project in other localities, taking into account their own proposed repair construction methods and procedures.

Testing Conducted by Others
When subcontracted outside field and/or laboratory services and analyses are used, STS will rely upon the data provided by the outside field service or laboratory, and will not conduct an independent evaluation of the reliability of their data.

REBAR ANALYSIS

element

Element Materials Technology
3200 S 166th Street
New Berlin, WI
53151-4141 USA

P 262 782 6344
F 262 782 3653
T 800 726 6385
info.newberlin@element.com
element.com

Kim Lewis
CGC, Inc.
2921 Perry Street
MADISON, WI 53713

TEST CERTIFICATE — EAR-CONTROLLED DATA

Date:	11/27/2013
P.O. No.:	C13392
Report No.:	CGC001-13-11-35594-1
Received:	11/22/2013

Description	Rebar Sample Project C13392

Tensile Test Results

Property	Rebar
Diameter, in.	0.496
Original area, in.^{2}	0.1932
Gage length, in.	2.0
Yield point, psi	42,200
Tensile strength, psi	59,500
Elongation, %	34
Reduction in area, %	66

Tested in accordance with ASTM A 370.

Electronic Original

Signed:

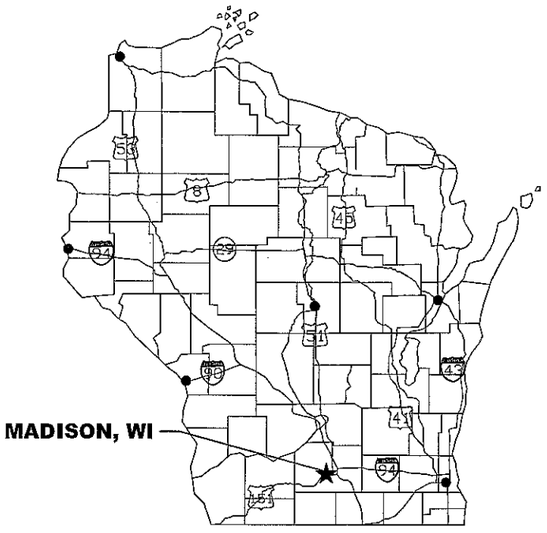
Gregory Sylvester
Department Manager,
Physical Test Laboratory

ACCREDITED *ISO/IEC 17025*
Chemical 0098-01
Mechanical 0098-02

TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014

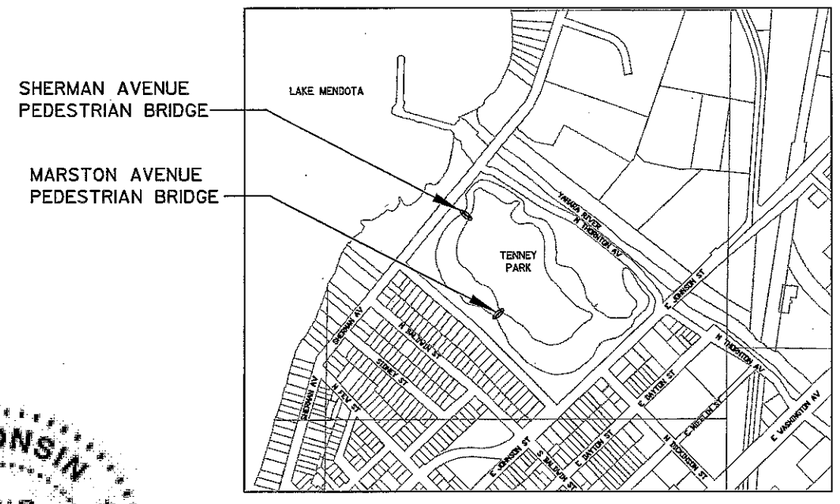
FOR THE

CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN
FEBRUARY, 2014



PROJECT LOCATION

NO SCALE



DRAFTING SYMBOLS

DETAIL NOTATION
DETAIL LETTER
SHEET WHERE SHOWN

SECTION NOTATION
SECTION NUMBER
SHEET WHERE SECTION IS SHOWN

SECTION NUMBER
DRAWING THAT SECTION IS SHOWN ON

KEY/SPECIFIC NOTE CALL-OUT
REVISION

EXISTING OBJECTS ARE SCREENED

EXISTING OBJECTS TO BE DEMOLISHED
HIDDEN OBJECT

ARCHITECTURAL SYMBOLS

EARTH
WATER SURFACE

TOPOGRAPHICAL SYMBOLS

CONCRETE CORE DRILLED FOR PETROGRAPHY TESTING
EXISTING DECIDUOUS TREE
SILT FENCE

WISCONSIN
KEITH R. BEHREND
E-42073
MADISON
WI
PROFESSIONAL ENGINEER
Keith R Behrend
2-11-14

910 West Wingra Drive
Madison, WI 53715
608-251-4843
608-251-8655 fax
www.strand.com

CONTRACT NO. 7266
PROJECT NO. 53W1747

LIST OF DRAWINGS

SHEET NO.	DRAWING NO.	DRAWING TITLE
	GENERAL	
1	G1	TITLE SHEET.
	CIVIL	
2	C1	SITE PLAN.
	STRUCTURAL	
3	S1	MARSTON AVENUE PEDESTRIAN BRIDGE DEMOLITION WORK.
4	S2	MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION WORK.
5	S3	MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION WORK DETAILS.
6	S4	SHERMAN AVENUE PEDESTRIAN BRIDGE DEMOLITON AND RESTORATION WORK.

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SHEET
1
G1

GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

KEY NOTES

1. CONSTRUCTION ENTRANCE.
2. CONSTRUCTION STAGING AND EQUIPMENT STORAGE AREA.
3. APPROXIMATE CONSTRUCTION LIMITS.

N

Lake Mendota

Lock & Dam (Dane County)

Beach

Volleyball

Shelter

Playground

SHERMAN AVE.

SHERMAN AVE. PED BRIDGE

Lagoon

Yahara River

Boat Storage

N. THORTON AVE.

Basketball

Soccer

Playground

Tennis

Lagoon

Lagoon Skating

Softball/Soccer

Shelter

Lagoon

MARSTON AVE. PED BRIDGE

MARSTON AVE.

Hockey

Lagoon Skating

E. JOHNSON ST.

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13
3	BID SET	2/14/14

SITE PLAN

TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

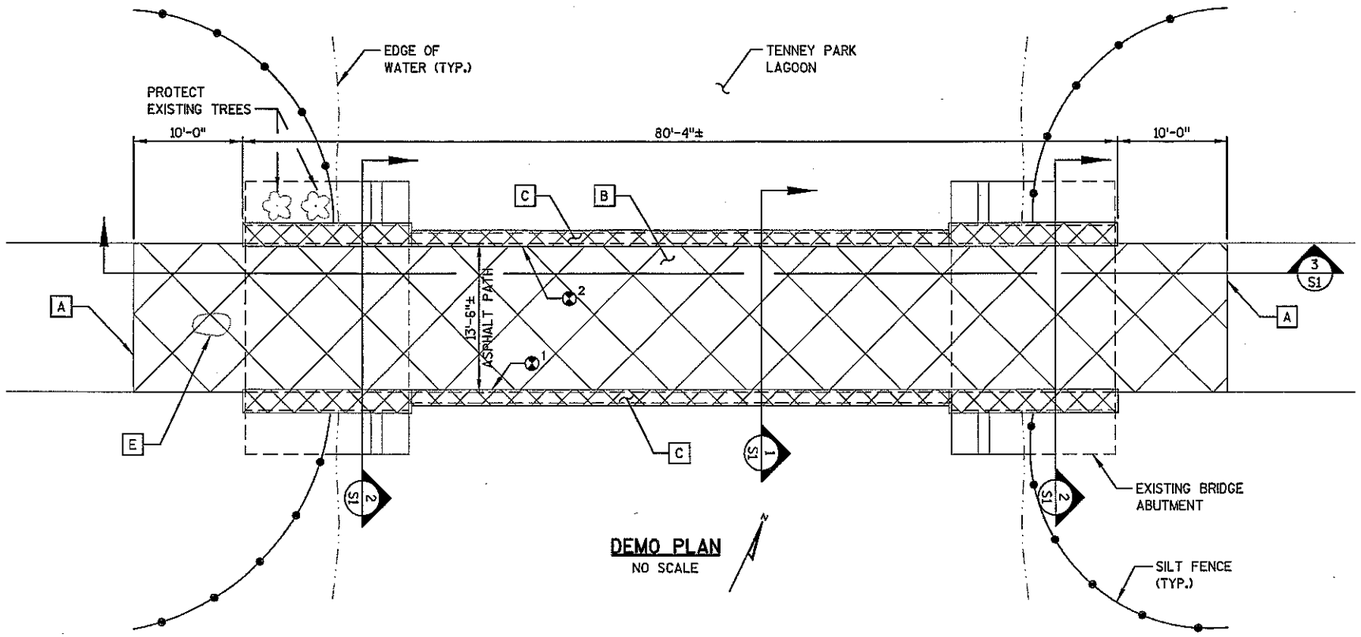
JOB NO.
1020.078

PROJECT MGR.
KRB

STRAND ASSOCIATES®

SHEET
2
C1

S:\MAD\1000--1099\1020\078\Micros\Plan\02-Site Plan.dgn user: dimitriosh 2/11/2014 8:21:55 AM



DEMO PLAN
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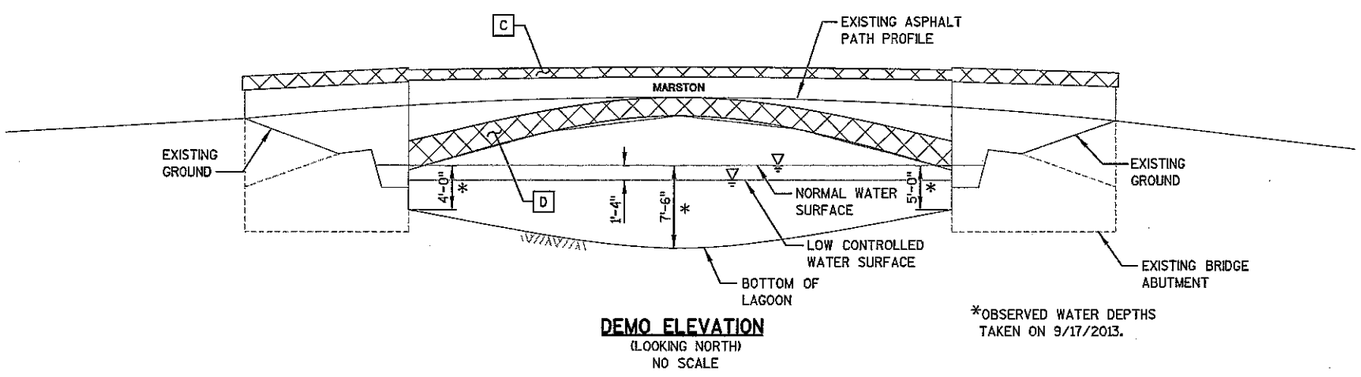
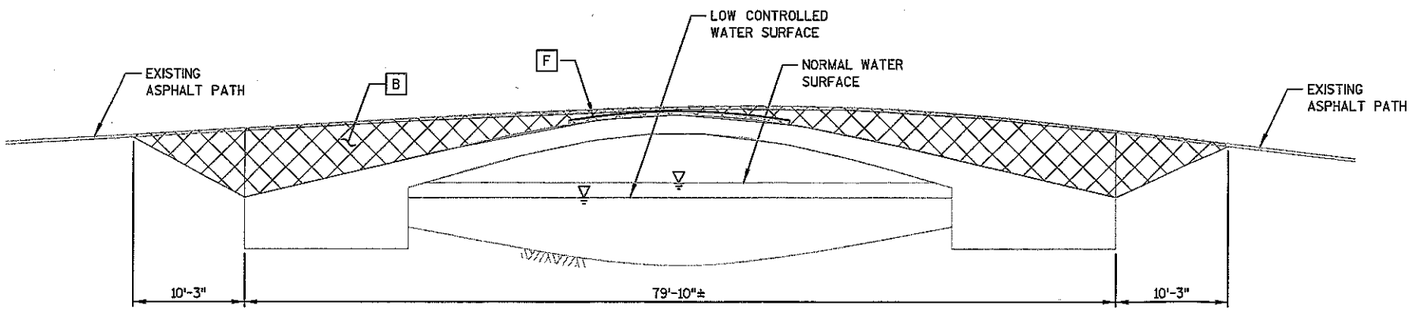


DEMO ELEVATION
(LOOKING NORTH)
NO SCALE

*OBSERVED WATER DEPTHS TAKEN ON 9/17/2013.



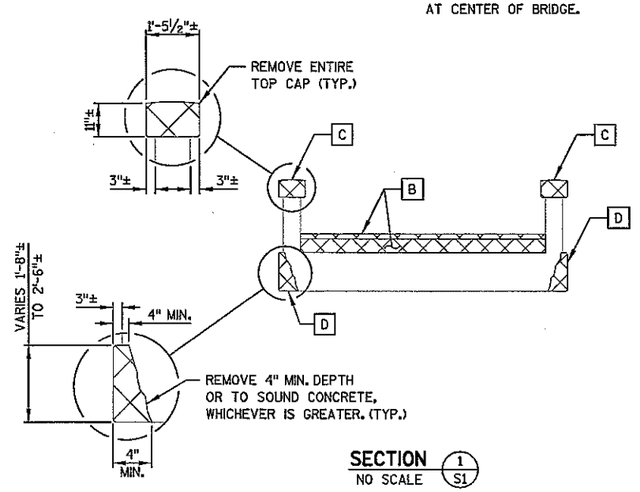
SECTION 3 S1
NO SCALE

GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

DEMOLITION NOTES

- A SAWCUT EXISTING ASPHALT PAVEMENT.
- B REMOVE EXISTING ASPHALT PAVEMENT AND FILL DOWN TO TOP SURFACE OF CONCRETE ARCH.
- C REMOVE UPPER PORTION OF EXISTING CONCRETE PARAPET. SEE SECTIONS FOR EXTENTS.
- D REMOVE OUTER PORTION OF EXISTING CONCRETE ARCH. SEE SECTIONS FOR EXTENTS. TYPICAL BOTH SIDES OF BRIDGE.
- E REMOVE EXISTING ROCK. SALVAGE FOR REUSE AT SAME LOCATION.
- F REMOVE EXISTING CONCRETE OVERLAY AND EMBEDDED ANGLES DOWN TO CONCRETE ARCH. CONCRETE OVERLAY IS APPROXIMATELY 20'-0" LONG AT CENTER OF BRIDGE.



SECTION 1 S1
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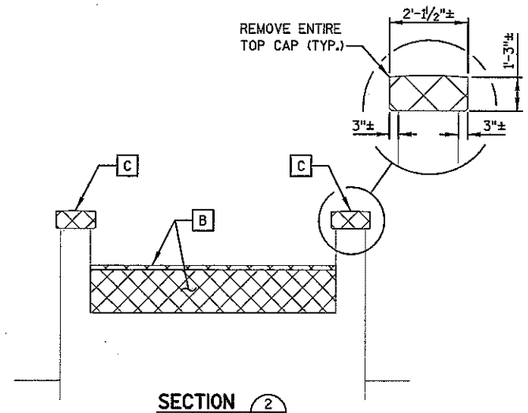


SECTION 2 S1
NO SCALE

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13
3	BID SET	2/14/14

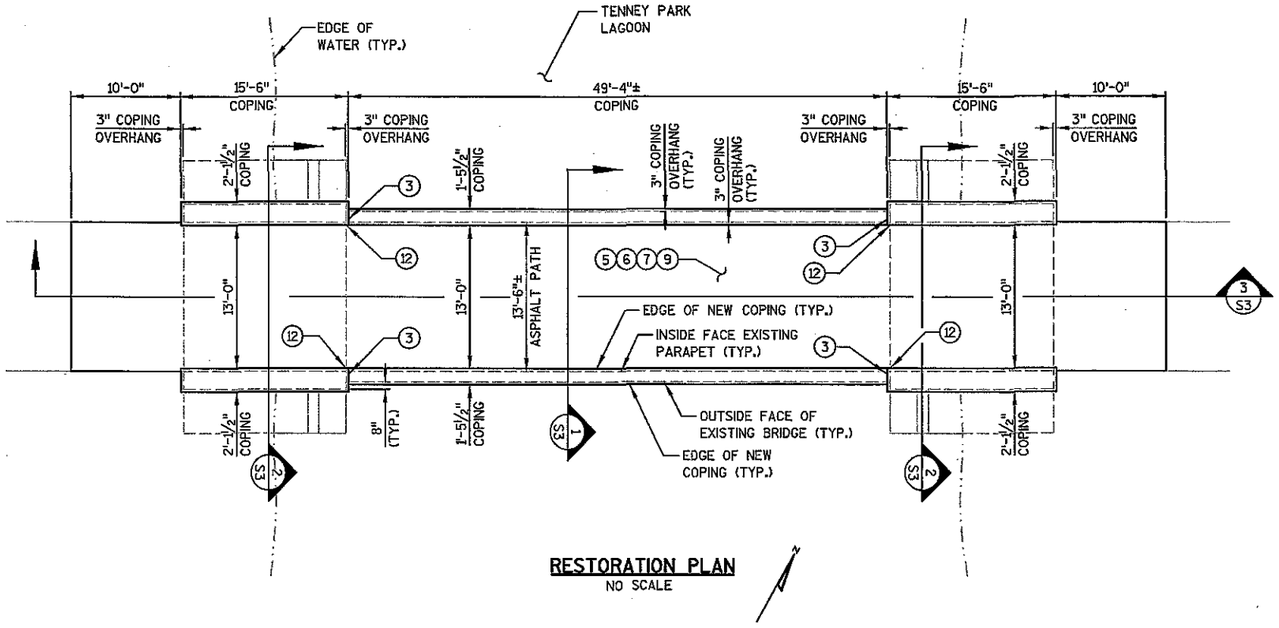
MARSTON AVENUE
PEDESTRIAN BRIDGE DEMOLITION WORK
TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078
PROJECT MGR. KRB

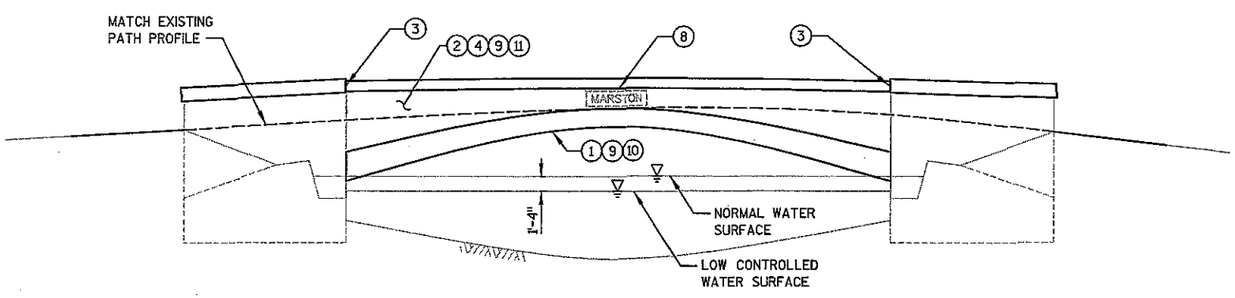
STRAND ASSOCIATES®

SHEET 3 S1

S:\MAD\1000--1099\1020\078\Micros\Plan\03-MARSTON AVE. PED. BRIDGE.dgn user: dimitriosh 2/11/2014 8:21:59 AM



RESTORATION PLAN
NO SCALE



RESTORATION ELEVATION
(LOOKING NORTH)
NO SCALE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED FROM FIELD MEASUREMENTS COMPLETED ON 9/17/2013. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF EXISTING INFORMATION AS REQUIRED TO ACCOMMODATE RESTORATION WORK.

WHERE PORTIONS OF THE EXISTING STRUCTURE ARE TO BE LEFT IN PLACE, CONTRACTOR SHALL DEFINE THE LIMITS OF REMOVAL WITH A ½" MIN. DEEP SAWCUT. THE PORTION OF THE EXISTING STRUCTURE THAT IS TO BE REMOVED SHALL BE SAWN OR CHIPPED TO A TRUE LINE.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

BEVEL EXPOSED EDGES OF NEW CONCRETE ¾" UNLESS SHOWN OR NOTED OTHERWISE.

NORMAL WATER LEVEL FOR THE LAGOON IS AS SHOWN. THE CITY CAN LOWER THE NORMAL WATER LEVEL BY APPROXIMATELY 1'-4" AS NEEDED FOR UP TO THREE WEEKS DURING CONSTRUCTION TO FACILITATE ACCESS TO WORK NEAR THE NORMAL HIGH WATER MARK.

THE MAX. OPERATING WEIGHT OF VEHICLE OR CONSTRUCTION EQUIPMENT ALLOWED ON THE BRIDGE IS 6,000 LBS.

WHEN COMPACTING FILL ON THE BRIDGE, A WALK-BEHIND PLATE COMPACTOR SHALL BE USED IN ORDER TO LIMIT CONSTRUCTION EQUIPMENT LOADING.

SEE SITE PLAN AND DEMO PLANS FOR EROSION CONTROL REQUIREMENTS.

SEE SITE PLAN FOR PERMISSIBLE LOCATIONS FOR STAGING MATERIALS AND LOCATING FIELD MOCK-UPS.

PROVIDE SIGNING, BARRICADES, ETC. AT ENDS OF BRIDGES OUTSIDE OF THE CONSTRUCTION LIMITS INDICATING THAT BRIDGES ARE CLOSED DURING CONSTRUCTION. SIGNAGE AND BARRICADES TO BE APPROVED BY CITY PRIOR TO PLACING.

ABOVE-GRADE CONCRETE IS THAT CONCRETE WHICH IS ABOVE EITHER THE NORMAL WATER SURFACE OR THE EXISTING GROUND.

CRUSHED AGGREGATE BASE COURSE SHALL CONSIST OF 3-INCHES OF GRADATION NO. 2 OVER 5-INCH OF GRADATION NO. 1.

KEY NOTES

1. SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED AS DETERMINED BY ENGINEER. AT MIDSPAN BUILD UP THE NEW REPAIR MATERIAL ACROSS THE FULL WIDTH OF THE DECK TO PROVIDE AT LEAST 1" OF COVER OVER EXISTING REINFORCING STEEL AND FINISH TO PROVIDE A SMOOTH TRANSITION FROM EXISTING CONCRETE TO REPAIR AREA.
2. CLEAN ALL ABOVE-GRADE VERTICAL SURFACES OF CONCRETE PRIOR TO ANY CONCRETE SURFACE REPAIR WORK.
3. PROVIDE CONCRETE CONTROL JOINT IN NEW COPING PER (A / S3)
4. SOUND ALL EXISTING ABOVE-GRADE VERTICAL CONCRETE SURFACES EXPOSED TO VIEW AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.
5. WATERPROOFING MEMBRANE. APPLY TO ENTIRE TOP SURFACE OF NEW CONCRETE TOPPING OVER CONCRETE ARCH AND WRAP UP INSIDE FACES OF CONCRETE PARAPETS TO UNDERSIDE OF NEW ASPHALT PAVING. INSTALL PREFABRICATED DRAINAGE COMPOSITE OVER ALL MEMBRANE SURFACES PRIOR TO BACKFILLING.
6. 3" ASPHALT OVER 8" CRUSHED AGGREGATE BASE COURSE OVER SELECT FILL.
7. INSTALL 1½" CONCRETE TOPPING OVER ENTIRE TOP SURFACE OF CONCRETE ARCH.
8. CONCRETE LETTERING AND CONCRETE WITHIN 6" OF EDGES OF RECESSED LETTERING SHALL NOT BE SOUNDED AND SHALL REMAIN AS IS. (TYPICAL BOTH SIDES OF BRIDGE).
9. ALL EXPOSED ABOVE-GRADE CONCRETE SURFACES TO RECEIVE PENETRATING CORROSION INHIBITOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
10. APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER MARK.
11. APPLY CONCRETE SEALER TO ALL EXPOSED ABOVE-GRADE SURFACES OF CONCRETE (EXCEPT UNDERSIDE OF ARCH) IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
12. ROUTE OUT EXISTING CRACK ON INSIDE FACE OF PARAPET 1/4" DEEP BY ½" WIDE DOWN TO TOP OF EXISTING CONCRETE ARCH AND FILL WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER 1" DEEP AND HOLD ⅛" BELOW SURFACE OF CONCRETE. JOINT SEALER TO BE NP1 BY BASF, OR EQUAL. REPAIR ADJACENT SPALLING CONCRETE IF NECESSARY. WORK IS INCIDENTAL TO CONCRETE SURFACE REPAIR VERTICAL SURFACE BID ITEM.

NO.	REVISIONS	DATE
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13
3	BID SET	2/14/14

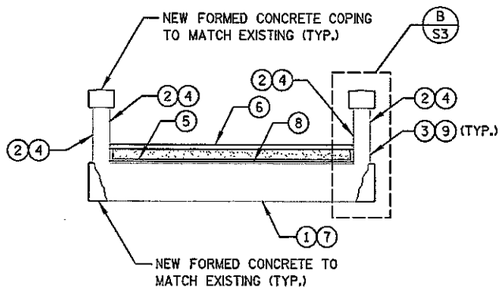
MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION

TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078
PROJECT MGR. KRB

STRAND ASSOCIATES®

SHEET 4 S2



SECTION 1/S3
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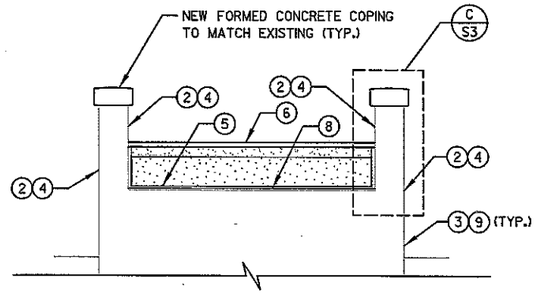

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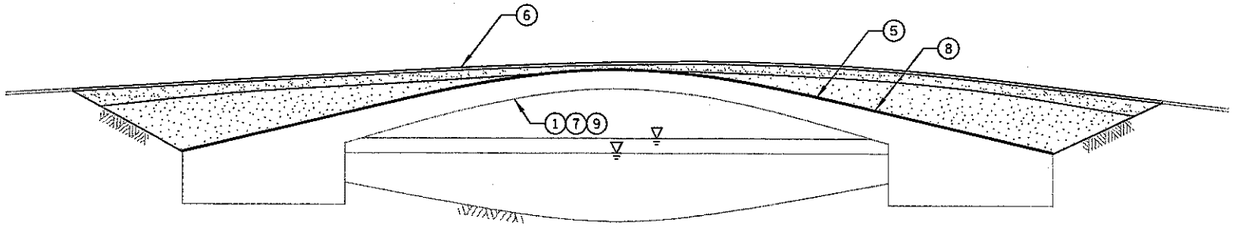


SECTION 3/S3

GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

KEY NOTES

(1) SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER ELEVATION IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.

(2) CLEAN ALL ABOVE-GRADE VERTICAL SURFACES OF CONCRETE PRIOR TO ANY CONCRETE SURFACE REPAIR WORK.

(3) APPLY CONCRETE SEALER TO ALL EXPOSED ABOVE-GRADE SURFACES OF CONCRETE (EXCEPT UNDERSIDE OF ARCH) IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

(4) SOUND ALL EXISTING ABOVE-GRADE CONCRETE SURFACES EXPOSED TO VIEW AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED.

(5) WATERPROOFING MEMBRANE. APPLY TO ENTIRE TOP SURFACE OF NEW CONCRETE TOPPING OVER EXISTING CONCRETE ARCH AND WRAP UP INSIDE FACES OF CONCRETE PARAPETS TO UNDERSIDE OF NEW ASPHALT PAVING. INSTALL PREFABRICATED DRAINAGE COMPOSITE OVER ALL MEMBRANE SURFACE PRIOR TO BACKFILLING.

(6) 3" ASPHALT OVER 8" CRUSHED AGGREGATE BASE COURSE OVER SELECT FILL.

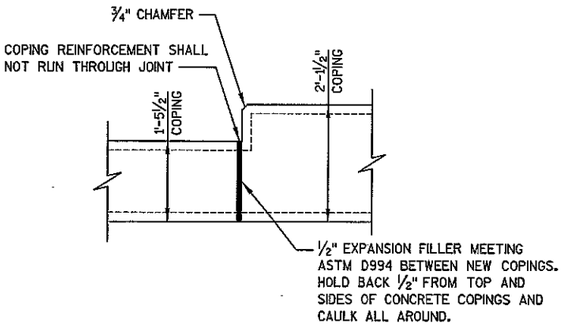
(7) APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGH WATER ELEVATION.

(8) INSTALL 1½" CONCRETE TOPPING OVER ENTIRE TOP SURFACE OF CONCRETE ARCH.

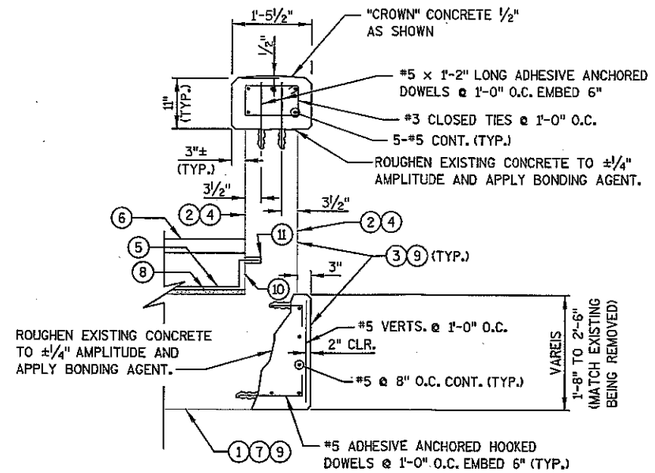
(9) ALL EXPOSED ABOVE-GRADE CONCRETE SURFACES TO RECEIVE PENETRATING CORROSION INHIBITOR IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

(10) GRIND EXISTING INSIDE FACE OF CONCRETE PARAPETS BELOW THE ASPHALT PATH TO PROVIDE A SUITABLE SUBSTRATE TO ADHERE WATERPROOFING MEMBRANE TO. WORK IS INCIDENTAL TO CONCRETE TOPPING BID ITEM.

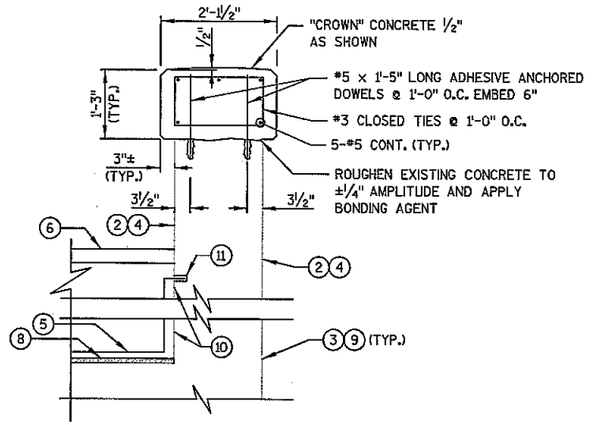
(11) SAWCUT ½" × ½" REGLET FOR TERMINATION OF WATERPROOFING MEMBRANE. TURN MEMBRANE INTO REGLET AND SEAL WITH MASTIC AS RECOMMENDED BY THE MEMBRANE MANUFACTURER. WORK IS INCIDENTAL TO WATERPROOFING MEMBRANE SYSTEM BID ITEM.



COPING CONTROL JOINT A/S3



COPING DETAIL B/S3



COPING DETAIL C/S3

NO.	REVISIONS	DATE:
1	DNR CHAPTER 30 APPLICATION	10/30/13
2	SHPO REVIEW	11/25/13
3	BID SET	2/14/14

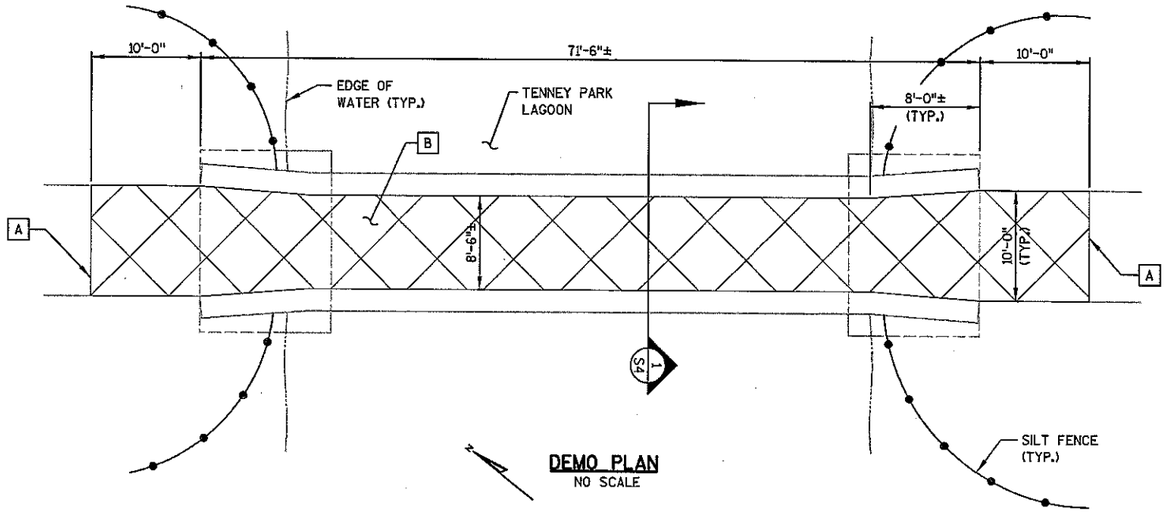
MARSTON AVENUE PEDESTRIAN BRIDGE RESTORATION DETAILS

TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078
PROJECT MGR. KRB

STRAND ASSOCIATES®

SHEET 5 S3



DEMO PLAN
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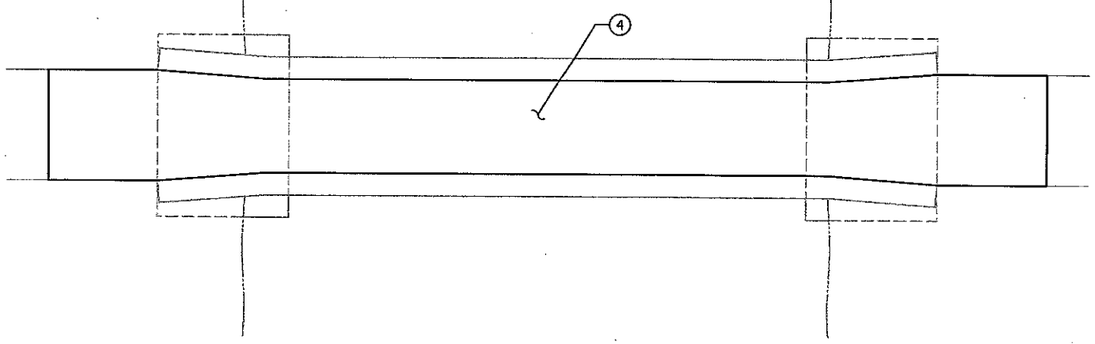

RESTORATION PLAN
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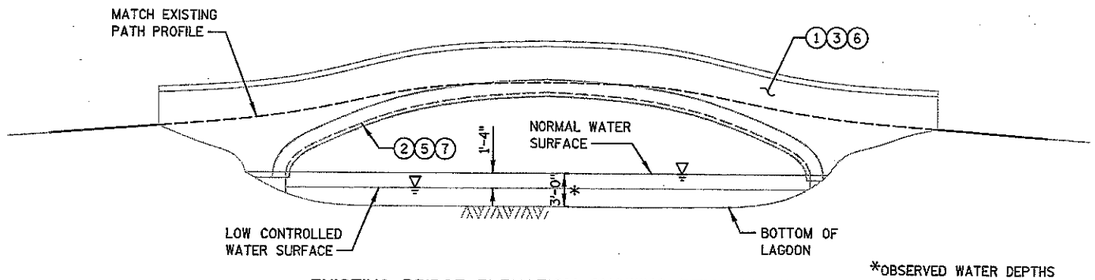
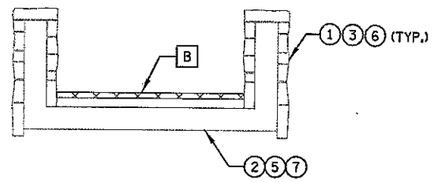


EXISTING BRIDGE ELEVATION SHOWING DEMO WORK
(LOOKING EAST)
NO SCALE

*OBSERVED WATER DEPTHS TAKEN ON 9/17/2013.



SECTION 1/S4

GENERAL NOTES

SEE GENERAL NOTES ON SHEET S2.

DEMOLITION NOTES

[A] SAWCUT EXISTING ASPHALT PAVEMENT.

[B] REMOVE EXISTING ASPHALT PAVEMENT.

KEY NOTES

(1) CLEAN ALL ABOVE-GRADE SURFACES OF STONE VENEER. PRIOR TO ANY REPOINTING OR STONE RESTORATION WORK.

(2) SOUND ENTIRE UNDERSIDE OF CONCRETE ARCH IN PRESENCE OF ENGINEER AND PERFORM CONCRETE SURFACE REPAIRS WHERE REQUIRED AS DETERMINED BY ENGINEER.

(3) REPOINT EXISTING DETERIORATED MORTAR JOINTS.

(4) NEW 3" ASPHALT PAVING OVER EXISTING BASE COURSE.

(5) APPLY CEMENT-BASED WATERPROOFING COATING TO ENTIRE UNDERSIDE OF CONCRETE ARCH ABOVE THE NORMAL HIGHWATER ELEVATION.

(6) REPAIR CRACKED STONES USING EPOXY CRACK INJECTION. SEE STONE RESTORATION SPECIAL PROVISION.

(7) APPLY PENETRATING CORROSION INHIBITOR TO UNDERSIDE OF CONCRETE ARCH.

NO.	REVISIONS	DATE:
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SHERMAN AVENUE
PEDESTRIAN BRIDGE DEMOLITION WORK
TENNEY PARK CONCRETE BRIDGE
HISTORIC RESTORATION - 2014
CITY OF MADISON PARKS DIVISION
MADISON, WISCONSIN

JOB NO. 1020.078
PROJECT MGR. KRB

STRAND ASSOCIATES®

SHEET 6 S4

play
MADISON
PARKS

Kevin Briski
Madison Parks Superintendent

Madison Parks Division
www.cityofmadison.com/parks

Administrative Office
Planning and Development
Community & Recreation Services
210 ML King, Jr. Blvd. Rm. 104
P.O. Box 2987
Madison, WI 53701-2987
Phone: 608.266.4711
Fax: 608.267.1162

Parks Operations Offices
Goodman Maintenance Facility
1402 Wingra Creek Pkwy.
West Parks, 608.266.9214
Summit, 608.288.6164
West Forestry, 608.266.4816
Construction, 608.266.6289
Conservation, 608.267.4918

Sycamore Maintenance Facility
4602 Sycamore Ave.
East Parks, 608.246.4508
East Forestry, 608.266.4816

Olbrich Botanical Gardens
3330 Atwood Ave., 608.246.4550

Warner Park Community Recreation Center
1625 Northport Dr., 608.245.3690

Irwin A. & Robert D. Goodman Pool
325 Olin Ave., 608.264.9292

Golf Madison Parks
Supervisor, 608.838.3920
Glenway Golf Course
3747 Speedway Rd., 608.266.4737
Monona Golf Course
111 East Dean Ave., 608.266.4736
Odana Hills Golf Course
4635 Odana Rd., 608.266.4724
Yahara Hills Golf Course
6701 E. Broadway, 608.838.3126

State Street Mall/Concourse Maintenance
211 S. Fairchild St., 608.266.6031

Forest Hill Cemetery
1 Speedway Rd., 608.266.4720

Madison

A Proud Division of
the City of Madison

NOTICE OF ADDENDUM
ADDENDUM NO. 1
TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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

Item #1:
DELETE the following paragraph on page D-8:

SECTION 109.7: TIME OF COMPLETION

Work cannot start on this contract until after the "Start to Work" letter has been received. Work on the Tenney Park Concrete Bridge Historic Restoration - 2014 project will start on or around 05/05/14 and must be completed by 07/04/2014. A pre-construction meeting will be required on-site prior to start of construction.

REPLACE with the following paragraph:

SECTION 109.7: TIME OF COMPLETION

Work cannot start on this contract until after the "Start to Work" letter has been received. Work on the Tenney Park Concrete Bridge Historic Restoration - 2014 project will start on or around 05/05/14 and must be completed by 08/01/2014. A pre-construction meeting will be required on-site prior to start of construction.

Item #2:
DELETE the following paragraph on page D-25:

BID ITEM 90013 CLEANING EXISTING CONCRETE AND MASONRY

A. Description. The work includes cleaning all exposed to view concrete and masonry surfaces on both bridges. The underside of the bridges are not required to be cleaned in accordance with this bid item. The work under this bid item shall occur a minimum of three weeks prior to any new concrete or repointing work being performed on the bridges so that the cleaned appearance of both bridges can be used as a reference to match the new work to. It is important that this work be completed first, so that the specified cleaning solution has adequate time to clean the surfaces of the bridges. The specified cleaning solution works with the elements and results occur over time depending on severity of growth and weather conditions. The surface will become cleaner over time as the subsurface biological stains release.

REPLACE with the following paragraph:

BID ITEM 90013 CLEANING EXISTING CONCRETE AND MASONRY

A. Description. The work includes cleaning all exposed to view concrete and masonry surfaces on both bridges. The underside of the bridges are not required to be cleaned in accordance with this bid item. The work under this bid item shall occur a minimum of two weeks prior to any new concrete or repointing work being performed on the bridges so that the cleaned appearance of both bridges can be used as a reference to match the new work to. It is important that this work be completed first, so that the specified cleaning solution has adequate time to clean the surfaces of the bridges. The specified cleaning solution works with the elements and results occur over time

play MADISON PARKS

depending on severity of growth and weather conditions. The surface will become cleaner over time as the subsurface biological stains release."

Item #3:
Clarification for Bid Item # 21092 Terrace Restoration:

The SY quantity of repair shown in the proposal page for Bid Item # 21092 Terrace Restoration was calculated using the following assumptions:

- 10-feet on either side of the asphalt path for 40-feet of path on each end of each bridge
- 2 separate 40-foot by 40-foot staging areas

Total SF = 4800, Total SY = 533, ROUND TO 500 SY

The contractor is responsible for restoring all areas disturbed and needing restoration as a result of their work. Actual quantity paid will be measured in the field.

Item #4:
REVISED PROPOSAL PAGE BID ITEMS:

Bid Item # 90008 and # 90009 quantities have been revised. The original quantity from the original proposal page is shown below, along with the revised quantities:

Original bid quantities:	
Bid Item # 90008 CONCRETE TOPPING	40 SY
Bid Item # 90009 WATERPROOFING MEMBRANE SYSTEM	90 SY

Revised bid quantities:	
Bid Item # 90008 CONCRETE TOPPING	120 SY
Bid Item # 90009 WATERPROOFING MEMBRANE SYSTEM	170 SY

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

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

http://www.bidexpress.com

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

Kevin Briski, Parks Superintendent

SECTION E: BIDDERS ACKNOWLEDGEMENT

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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

1. The undersigned having familiarized himself/herself with the Contract documents, including Advertisement for Bids, Instructions to Bidders, Form of Proposal, City of Madison Standard Specifications for Public Works Construction - 2014 Edition thereto, Form of Agreement, Form of Bond, and Addenda issued and attached to the plans and specifications on file in the office of the City Engineer, hereby proposes to provide and furnish all the labor, materials, tools, and expendable equipment necessary to perform and complete in a workmanlike manner the specified construction on this project for the City of Madison; all in accordance with the plans and specifications as prepared by the City Engineer, including Addenda to the Contract Nos. 1 through 1 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 Joe Daniels Construction Co., 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 Madison State of Wisconsin; that I have examined and carefully prepared this Proposal, from the plans and specifications and have checked the same in detail before submitting this Proposal; that I have fully authority to make such statements and submit this Proposal in (its, their) behalf; and that the said statements are true and correct.

Joseph A. Daniels
SIGNATURE: Joseph A. Daniels

President
TITLE, IF ANY

Sworn and subscribed to before me this
7th day of March, 20 14.
Kecia M. Samuelson
(Notary Public or other officer authorized to administer oaths)
My Commission Expires 07/17/2016
Bidders shall not add any conditions or qualifying statements to this Proposal.

Contract #7266 – Joe Daniels Construction Co., Inc.

Section F: Disclosure of Ownership and Best Value Contracting

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) amd 103.50(2), Wisconsin Statues.

(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.
TRUCKING & LANDSCAPE

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
- [x] CARPENTER
- [x] CEMENT MASON / CONCRETE FINISHER
- [ ] CEMENT MASON (HEAVY HIGHWAY)
- [x] CONSTRUCTION CRAFT LABORER
- [ ] DATA COMMUNICATION INSTALLER
- [ ] ELECTRICIAN
- [ ] ENVIRONMENTAL SYSTEMS TECHNICIAN / HVAC SERVICE TECH/HVAC INSTALL / SERVICE
- [ ] GLAZIER
- [x] 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

SECTION 102.6 REJECTION OF PROPOSALS
BIDDER EXPERIENCE REQUIREMENTS

CONCRETE REPAIR

1.	Project / Year Built:	Lathrop Hall Stone Stair Replacement - 2012
	Client Name:	State of Wisconsin
	Project Location:	University of Wisconsin - Madison, Lathrop Hall
	Brief Description of Project:	$349,940.00 Removal of historic stone railings and walls, remove and replace concrete steps & landings, then reset historic stone railings and walls
	Foreperson on job:	Dave Ruge

2.	Project / Year Built:	Repair Maintenance Hangar Building 406 - 2010
	Client Name:	WI Air National Guard
	Project Location:	Truax Field, Madison, WI
	Brief Description of Project:	$2,452.789.00 Concrete in trench drains at hangar door embedment, concrete pump room floors and concrete patio
	Foreperson on job:	Al Geske

3.	Project / Year Built:	Ash Street Entrance Reconstruction - 2009
	Client Name:	Madison Metropolitan School District
	Project Location:	West High School
	Brief Description of Project:	$370,430.00 Remove stairs/walks, tuckpoint existing entrance brick wall, pour new concrete stairs and landings and install new railings.
	Foreperson on job:	Dave Ruge

4.	Project / Year Built:	Brittingham Boathouse Renovation - 2008
	Client Name:	City of Madison
	Project Location:	Brittingham Boathouse
	Brief Description of Project:	$858,309.00 Remove all exisitng mortar joints, install new joints, repair cracked/broken stones and wash all stone masonry. Pour new footings/foundation, walks and pier.
	Foreperson on job:	Wynn Foster

SECTION 102.6 REJECTION OF PROPOSALS
BIDDER EXPERIENCE REQUIREMENTS

MASONRY REPAIR

1.	Project / Year Built:	Lathrop Hall Stone Stair Replacement - 2012
	Client Name:	State of Wisconsin
	Project Location:	University of Wisconsin - Madison, Lathrop Hall
	Brief Description of Project:	$349,940.00 Removal of historic stone railings and walls, remove and replace concrete steps & landings, then reset historic stone railings and walls
	Foreperson on job:	Dave Ruge

2.	Project / Year Built:	ES3 North & South Hall Exterior Repairs - 2011
	Client Name:	State of Wisconsin
	Project Location:	University of Wisconsin - Madison, North & Souths Halls
	Brief Description of Project:	$2,484,800.00 Removed all exterior stone mortar joints, installed new stone/dutchmans/epoxy inject stone cracks, install lime putty in new mortar joints. Remove all window sashes and refinish sashed and brick molds, install new glass , and reinstall.
	Foreperson on job:	Dave Ruge

3.	Project / Year Built:	Train Depot Renovation - 2005
	Client Name:	City of Edgerton
	Project Location:	Edgerton Historic Train Depot
	Brief Description of Project:	$290,968.00 Tuckpoint outside of building and provide masonry doorway infills.
	Foreperson on job:	Al Geske

4.	Project / Year Built:	Breese Stevens Field Restoration - 2009
	Client Name:	City of Madison
	Project Location:	Breese Stevens Field
	Brief Description of Project:	$638,553.00 Remove all exisitng mortar joints, install new joints, repair cracked/broken stones and wash all stone masonry.
	Foreperson on job:	Wynn Foster

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

Small Business Enterprise Compliance Report

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

Cover Sheet

Prime Bidder Information

Company: Joe Daniels Construction Co., Inc.

Address: 919 Applegate Road, Madison, WI 53713

Telephone Number: 608/271-4800 Fax Number: 608/271-4570

Contact Person/Title: Joseph A. Daniels - President

Prime Bidder Certification

I, Joseph A. Daniels (Name), President (Title) of

Joe Daniels Construction Co., Inc. (Company) certify that the information

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

Witness' Signature

Bidder's Signature

March 7, 2014
Date

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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
JR's Construction	Landscape	3.29 %
SBE Trucking		.30 %
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
		%
Subtotal SBE who are NOT suppliers:		3.59 %

SBE Subcontractors Who Are Suppliers

Name(s) of SBEs Utilized	Type of Work	% of Total Bid Amount
		%
		%
		%
		%
		%
		%

Subtotal Contractors who are suppliers: -0- % x 0.6 = -0- % (discounted to 60%)

Total Percentage of SBE Utilization: 3.59 %.

DANIELS
General Contractors

March 7, 2014

Affirmative Action Department
Madison Municipal Building
215 Martin Luther King Jr. Blvd.
Madison, WI 53701-1626

Re: Tenney Park Concrete Bridge Historic Restoration - 2014
Contract #7266

On the above listed project, we intend to subcontract the following work.

Landscaping and Asphalt Paving

Sincerely,

Joseph A. Daniels
President

kis

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT #7266
DATE: MARCH 7, 2014

Item	Quantity	Joe Daniels Construction Price	Extension
10701.0 - TRAFFIC CONTROL - L.S.	1.00	$2,100.00	$2,100.00
10911.0 - MOBILIZATION - L.S.	1.00	$37,200.00	$37,200.00
20205.0 - SELECT FILL - C.Y.	140.00	$30.00	$4,200.00
20303.0 - SAWCUT BITUMINOUS PAVEMENT - L.F.	47.00	$4.00	$188.00
21011.0 - CONSTRUCTION ENTRANCE - EACH	2.00	$1,350.00	$2,700.00
21013.0 - STREET SWEEPING - L.S.	1.00	$900.00	$900.00
21021.0 - SILT FENCE - COMPLETE - L.F.	640.00	$3.00	$1,920.00
21064.0 - EROSION MATTING, CLASS I, TYPE B - ORGANIC - S.Y.	500.00	$3.25	$1,625.00
21092.0 - TERRACE RESTORATION - S.Y.	500.00	$5.00	$2,500.00
40101.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 1 - TON	34.00	$24.00	$816.00
40102.0 - CRUSHED AGGREGATE BASE COURSE, GRADATION NO. 2 - TON	20.00	$23.00	$460.00
40235.0 - ASPHALT WALK AND BIKEPATH - S.Y.	241.00	$34.00	$8,194.00
90001.0 - EXCAVATION - L.S.	1.00	$2,975.00	$2,975.00
90002.0 - REMOVAL OF EXISTING STRUCTURES - L.S.	1.00	$9,737.00	$9,737.00
90003.0 - COFFERDAMS AND DEWATERING - L.S.	1.00	$29,860.00	$29,860.00
90004.0 - CEMENT-BASED WATERPROOFING COATING - S.Y.	152.00	$47.00	$7,144.00
90005.0 - CONCRETE SURFACE REPAIR - UNDERSIDE OF BRIDGES - C.F.	110.00	$160.00	$17,600.00
90006.0 - PENETRATING CORROSION INHIBITOR - S.Y.	358.00	$18.00	$6,444.00
90007.0 - REINFORCED CONCRETE - C.Y.	15.00	$1,220.00	$18,300.00
90008.0 - CONCRETE TOPPING - S.Y.	120.00	$28.30	$3,396.00
90009.0 - WATERPROOFING MEMBRANE SYSTEM - S.Y.	170.00	$43.00	$7,310.00
90010.0 - REPOINTING - L.F.	1460.00	$9.20	$13,432.00
90011.0 - STONE RESTORATION - L.F.	25.00	$160.00	$4,000.00
90012.0 - CONCRETE SURFACE REPAIR - VERTICAL SURFACES - S.F.	153.00	$76.00	$11,628.00
90013.0 - CLEANING EXISTING CONCRETE AND MASONRY - S.F.	2678.00	$3.00	$8,034.00
90014.0 - CONCRETE SEALER - S.Y.	207.00	$12.00	$2,484.00
90015.0 - ADDITIONAL REINFORCED CONCRETE MOCKUP - EACH	6.00	$1,100.00	$6,600.00
90016.0 - ADDITIONAL CONCRETE SURFACE REPAIR-VERTICAL SURFACES MOCKUP - EACH	6.00	$525.00	$3,150.00
Contract Totals			**$214,897.00**

Department of Public Works
City Engineering Division
608 266 4751

Robert F. Phillips, P.E.
City Engineer

City-County Building, Room 115
210 Martin Luther King, Jr. Boulevard
Madison, Wisconsin 53703
608 264 9275 FAX
1 866 704 2315 Textnet

Principal Engineers
Michael R. Dailey, P.E.
Christina M. Bachmann, P.E.
John S. Fahrney, P.E.
Gregory T. Fries, P.E.

Facilities & Sustainability
Jeanne E. Hoffman, Manager
James C. Whitney, A.I.A.

Operations Manager
Kathleen M. Cryan

GIS Manager
David A. Davis, R.L.S.

Financial Officer
Steven B. Danner-Rivers

Hydrogeologist
Brynn Bemis

BIENNIAL BID BOND

Joe Daniels Construction Co. Inc.
(a corporation of the State of Wisconsin)
(individual), (partnership), (hereinafter referred to as the "Principal") and
The Cincinnati Insurance Company
a corporation of the State of Ohio (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, Wisconsin (hereinafter referred to as the "City"), in the sum equal to the individual proposal guaranty amounts of the total bid or bids of the Principal herein accepted by the City, for the payment of which the Principal and the Surety hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of this obligation is that the Principal has submitted to the City certain bids for projects from the time period of February 1st, 2014 through January 31st, 2016.

If the Principal is awarded the contract(s) by the City and, within the time and manner required by law after the prescribed forms are presented for its signature, the Principal enters into (a) written contract(s) in accordance with the bid(s), and files with the City its bond(s) guaranteeing faithful performance and payment for all labor and materials, as required by law, or if the City rejects all bids for the work described, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

In the event the Principal shall fail to execute and deliver the contract(s) or the performance and payment bond(s), all within the time specified or any extension thereof, the Principal and Surety agree jointly and severally to pay to the City within ten (10) calendar days of written demand a total equal to the sum of the individual proposal guaranty amounts of the total bid(s) as liquidated damages.

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

This bond may be terminated by the Surety upon giving thirty (30) days written notice to the City of its intent to terminate this bond and to be released and discharged therefrom, but such termination shall not operate to relieve or discharge the Surety from any liability already accrued or which shall accrue before the expiration of such thirty (30) day period.

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.

PRINCIPAL

Joe Daniels Construction Co. Inc. — COMPANY NAME — AFFIX SEAL

1/13/14 — DATE

By: Joseph A. Daniel — SIGNATURE AND TITLE

Joseph A. Daniels - President

SURETY

The Cincinnati Insurance Company — COMPANY NAME — AFFIX SEAL

1/13/14 — DATE

By: Brooke L. Parker — SIGNATURE AND TITLE

Brooke L. Parker, Attorney-in-Fact

This certifies that I have been duly licensed as an agent for the Surety in Wisconsin under License No. 2512433 for the year 2014, and appointed as attorney in fact with authority to execute this bid bond, which power of attorney has not been revoked.

1/13/14 — DATE

Brooke L. Parker — AGENT

Brooke L. Parker, Hausmann-Johnson

700 Regent St. — ADDRESS

Madison, WI 53715 — CITY, STATE AND ZIP CODE

608-257-3795 — TELEPHONE NUMBER

Note to Surety and Principal: Any bid submitted which this bond guarantees may be rejected if the Power of Attorney form showing that the Agent of Surety is currently authorized to execute bonds on behalf of Surety is not attached to this bond.

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Tim Hausmann; Jeff Hausmann; Steven L. Squires; Sheila Dickey; Judith A. Walker; Patrick A. McKenna; Brooke L. Parker and/or Kelsey Jacobson

of Madison, Wisconsin its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States, up to Thirty Million and No/100 Dollars ($30,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 10th day of May, 2012.

The Cincinnati Insurance Company CORPORATE SEAL OHIO

THE CINCINNATI INSURANCE COMPANY

Steven A. Johnston

Vice President

STATE OF OHIO)
ss:
COUNTY OF BUTLER)

On this 10th day of May, 2012, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.

NOTARIAL SEAL STATE OF OHIO

Mark J. Huller

MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio.
this 13 day of January, 2014

The Cincinnati Insurance Company CORPORATE SEAL OHIO

Scott R Boller

Assistant Secretary

BN-1005 (5/12)

SECTION H: AGREEMENT

THIS AGREEMENT made this 9th day of April in the year Two Thousand and Fourteen between JOE DANIELS CONSTRUCTION CO., 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 APRIL 8, 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:

TENNEY PARK CONCRETE BRIDGE HISTORIC RESTORATION - 2014
CONTRACT NO. 7266

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 TWO HUNDRED FOURTEEN THOUSAND EIGHT HUNDRED NINETY-SEVEN ($214,897.00) 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 original 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.)

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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:

JOE DANIELS CONSTRUCTION CO., INC.
Company Name

Witness — Date: 4/9/14

President Joseph A. Daniels — Date: 4/9/14

Witness — Date: 4/9/14

Secretary Jerrald M. Daniels — Date: 4/9/14

CITY OF MADISON, WISCONSIN

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

Finance Director

Approved as to form:

City Attorney

Signed this 25th day of April, 20 14

Witness

Mayor — Date: 4/25/2014

Witness

City Clerk — Date: 4/11/2014

Bond No. 1208152

SECTION 1: PAYMENT AND PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS, that we JOE DANIELS CONSTRUCTION CO., INC. as principal, and Cincinnati Insurance Company Company of Cincinnati, Ohio as surety, are held and firmly bound unto the City of Madison, Wisconsin, in the sum of TWO HUNDRED FOURTEEN THOUSAND EIGHT HUNDRED NINETY-SEVEN ($214,897.00) 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:

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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 9th day of April 2014

Countersigned:

Witness

Secretary Jerrald M. Daniels

JOE DANIELS CONSTRUCTION CO., INC.
Company Name (Principal)

President Joseph A. Daniels Seal (no seal)

Approved as to form:

City Attorney

CINCINNATI INSURANCE COMPANY
Surety Seal

☐ Salary Employee ☒ Commission

By
Attorney-in-Fact Patrick A. McKenna

This certifies that I have been duly licensed as an agent for the above company in Wisconsin under License No. 2349196 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.

April 9, 2014
Date

Agent Signature Patrick A. McKenna

THE CINCINNATI INSURANCE COMPANY

Fairfield, Ohio

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That THE CINCINNATI INSURANCE COMPANY, a corporation organized under the laws of the State of Ohio, and having its principal office in the City of Fairfield, Ohio, does hereby constitute and appoint

Tim Hausmann; Jeff Hausmann; Steven L. Squires; Sheila Dickey; Judith A. Walker; Patrick A. McKenna; Brooke L. Parker and/or Kelsey Jacobson

of Madison, Wisconsin its true and lawful Attorney(s)-in-Fact to sign, execute, seal and deliver on its behalf as Surety, and as its act and deed, any and all bonds, policies, undertakings, or other like instruments, as follows:

Any such obligations in the United States, up to Thirty Million and No/100 Dollars ($30,000,000.00).

This appointment is made under and by authority of the following resolution passed by the Board of Directors of said Company at a meeting held in the principal office of the Company, a quorum being present and voting, on the 6th day of December, 1958, which resolution is still in effect:

"RESOLVED, that the President or any Vice President be hereby authorized, and empowered to appoint Attorneys-in-Fact of the Company to execute any and all bonds, policies, undertakings, or other like instruments on behalf of the Corporation, and may authorize any officer or any such Attorney-in-Fact to affix the corporate seal; and may with or without cause modify or revoke any such appointment or authority. Any such writings so executed by such Attorneys-in-Fact shall be binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company."

This Power of Attorney is signed and sealed by facsimile under and by the authority of the following Resolution adopted by the Board of Directors of the Company at a meeting duly called and held on the 7th day of December, 1973.

"RESOLVED, that the signature of the President or a Vice President and the seal of the Company may be affixed by facsimile on any power of attorney granted, and the signature of the Secretary or Assistant Secretary and the seal of the Company may be affixed by facsimile to any certificate of any such power and any such power of certificate bearing such facsimile signature and seal shall be valid and binding on the Company. Any such power so executed and sealed and certified by certificate so executed and sealed shall, with respect to any bond or undertaking to which it is attached, continue to be valid and binding on the Company."

IN WITNESS WHEREOF, THE CINCINNATI INSURANCE COMPANY has caused these presents to be sealed with its corporate seal, duly attested by its Vice President this 10th day of May, 2012.

The Cincinnati Insurance Company CORPORATE SEAL OHIO

THE CINCINNATI INSURANCE COMPANY

Stephen A. Jutte

Vice President

STATE OF OHIO) ss:
COUNTY OF BUTLER)

On this 10th day of May, 2012, before me came the above-named Vice President of THE CINCINNATI INSURANCE COMPANY, to me personally known to be the officer described herein, and acknowledged that the seal affixed to the preceding instrument is the corporate seal of said Company and the corporate seal and the signature of the officer were duly affixed and subscribed to said instrument by the authority and direction of said corporation.

NOTARIAL SEAL STATE OF OHIO

Mark J. Huller

MARK J. HULLER, Attorney at Law
NOTARY PUBLIC - STATE OF OHIO
My commission has no expiration date. Section 147.03 O.R.C.

I, the undersigned Secretary or Assistant Secretary of THE CINCINNATI INSURANCE COMPANY, hereby certify that the above is a true and correct copy of the Original Power of Attorney issued by said Company, and do hereby further certify that the said Power of Attorney is still in full force and effect.

GIVEN under my hand and seal of said Company at Fairfield, Ohio.
this 9th day of April, 2014.

The Cincinnati Insurance Company CORPORATE SEAL OHIO

Scott R Bolen

Assistant Secretary

BN-1005 (5/12)

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: 1/6/2014

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:	Time and one-half must be paid for all hours worked: - 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. Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime. A DOT Premium (discussed below) may supersede this time and one-half requirement.
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, whevenever 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 journeyperson'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.
(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.
2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.
3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.
5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

BUILDING OR HEAVY CONSTRUCTION

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

SKILLED TRADES

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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	28.74	17.27	46.01

TRUCK DRIVERS

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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	18.98	57.78
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.	38.80	18.98	57.78
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.	34.50	18.98	53.48

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	18.98	53.48

HEAVY EQUIPMENT OPERATORS
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK

Fringe Benefits Must Be Paid On All Hours Worked

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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
143	Tuckpointer, Caulker or Cleaner	35.25	13.15	48.40
144	Underwater Diver (Except on Great Lakes)	38.80	18.98	57.78
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

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

LABORERS

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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	18.98	57.78
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	18.98	57.78
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	18.98	53.48
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	18.98	53.48

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	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	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	Roofer 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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	36.22	20.40	56.62

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
533	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 Mfgr.'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. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	35.72	20.40	56.12

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
534	Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add $1.75/hr on 6/1/2014; Add $1.25/hr on 6/1/2015; Add $1.30/hr on 6/1/2016; Add $1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	35.46	20.40	55.86
535	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add $1.75/hr on 6/1/2014; Add $1.25/hr on 6/1/2015; Add $1.30/hr on 6/1/2016; Add $1.25/hr on 6/1/2017. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add $1.50/hr night work premium. See DOT's website for details about the applicability of this night work premium at: http://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	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	18.98	57.78
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	18.98	57.78

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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	18.98	53.48
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	18.98	53.48

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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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	Roofer 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	18.98	57.78
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

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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
543	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & 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. 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://roadwaystandards.dot.wi.gov/hcci/labor-wages-eeo/index.shtm.	35.72	20.40	56.12
544	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 Sawer (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.	33.96	19.79	53.75
545	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.	30.32	18.46	48.78
546	Fiber Optic Cable Equipment.	26.69	16.65	43.34

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	38.80	18.98	57.78
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	18.98	57.78
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	18.98	53.48
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	18.98	53.48

HEAVY EQUIPMENT OPERATORS
ASPHALT PAVEMENT OR OTHER WORK

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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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 Sawer (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://roadwaystandards.dot.wi.gov/hccl/labor-wages-eeo/index.shtm.	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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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	3.21	35.71
146	Well Driller or Pump Installer	27.60	5.80	33.40
147	Siding Installer	20.18	0.00	20.18

TRUCK DRIVERS

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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

CODE	Fringe Benefits Must Be Paid On All Hours Worked 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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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

CODE	Fringe Benefits Must Be Paid On All Hours Worked TRADE OR OCCUPATION	HOURLY BASIC RATE OF PAY $	HOURLY FRINGE BENEFITS $	TOTAL $
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 **********