HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
06/2017 s.66.0901(7) Wis. Stats

Proposal Number: 002

COUNTY	STATE PROJECT	FEDERAL	PROJECT DESCRIPTION	HIGHWAY
Rock	5990-00-34	N/A	C Janesville, W Milwaukee Street; Rock River Bridge B-53-0294	LOC STR

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

Proposal Guaranty Required: $75,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: August 14, 2018 Time (Local Time): 9:00 am	Firm Name, Address, City, State, Zip Code SAMPLE NOT FOR BIDDING PURPOSES
Contract Completion Time June 21, 2019	
Assigned Disadvantaged Business Enterprise Goal 0%	This contract is exempt from federal oversight.

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

Do not sign, notarize, or submit this Highway Work Proposal when submitting an electronic bid on the Internet.

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)	(Bidder Signature)
(Print or Type Name, Notary Public, State Wisconsin)	(Print or Type Bidder Name)
(Date Commission Expires)	(Bidder Title)

Notary Seal

For Department Use Only

Type of Work:
Excavation, Concrete Pavement, Asphaltic Surface, Curb and Gutter, Sidewalk, Street Lighting, Pavement Marking, Signs, Bridge Replacement, Storm Sewer

Notice of Award Dated	Date Guaranty Returned

PLEASE ATTACH
PROPOSAL GUARANTY HERE

Effective with November 2007 Letting

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Effective with August 2015 Letting

BID PREPARATION

Preparing the Proposal Schedule of Items

A General

(1) Obtain bidding proposals as specified in section 102 of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:

1. Electronic bid on the internet.
2. Electronic bid on a printout with accompanying diskette or CD ROM.
3. Paper bid under a waiver of the electronic submittal requirements.

(2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.

(3) The department will provide bidding information through the department's web site at:
https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

The contractor is responsible for reviewing this web site for general notices as well as information regarding proposals in each letting. The department will also post special notices of all addenda to each proposal through this web site no later than 4:00 PM local time on the Thursday before the letting. Check the department's web site after 5:00 PM local time on the Thursday before the letting to ensure all addenda have been accounted for before preparing the bid. When bidding using methods 1 and 2 above, check the Bid Express™ on-line bidding exchange at http://www.bidx.com/ after 5:00 PM local time on the Thursday before the letting to ensure that the latest schedule of items Expedite file (*.ebs or *.00x) is used to submit the final bid.

(4) Interested parties can subscribe to the Bid Express™ on-line bidding exchange by following the instructions provided at the www.bidx.com web site or by contacting:

Info Tech Inc.
5700 SW 34th Street, Suite 1235
Gainesville, FL 32608-5371
email: mailto:customer.support@bidx.com

(5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.

(6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:
https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

or by calling the department at (608) 266-1631. Addenda can ONLY be obtained from the departments web site listed above or by picking up the addenda at the Bureau of Highway Construction, 4th floor, 4822 Madison Yards Way, Madison, WI, during regular business hours.

(7) Addenda posted after 5:00 PM on the Thursday before the letting will be emailed to the eligible bidders for that proposal. All eligible bidders shall acknowledge receipt of the addenda whether they are bidding on the proposal or not. Not acknowledging receipt may jeopardize the awarding of the project.

B Submitting Electronic Bids

B.1 On the Internet

(1) Do the following before submitting the bid:

1. Have a properly executed annual bid bond on file with the department.

2. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.

(2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:

1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid.
4. Submit the bid before the hour and date the Notice to Contractors designates.
5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.

(3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

B.2 On a Printout with Accompanying Diskette or CD ROM

(1) Download the latest schedule of items from the Wisconsin pages of the Bid Express™ web site reflecting the latest addenda posted on the department's web site at:
https://wisconsindot.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx

Use Expedite ™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.

(2) Staple an 8 1/2 by 11 inch printout of the Expedite™ generated schedule of items to the other proposal documents submitted to the department as a part of the bidder's sealed bid. As a separate submittal, not in the sealed bid envelop but due at the same time and place as the sealed bid, also provide the Expedite™ generated schedule of items on a 3 1/2 inch computer diskette or CD ROM. Label each diskette or CD ROM with the bidder's name, the 4 character department-assigned bidder identification code from the top of the bidding proposal, and a list of the proposal numbers included on that diskette or CD ROM as indicated in the following example:

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

(3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.

(4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

(5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.

3. The diskette or CD ROM is not submitted at the time and place the department designates.

C Waiver of Electronic Submittal

(1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.

(2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a $75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."

(3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:

1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
2. The bidder fails to pay the $75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the $75.
3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.

(4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

PROPOSAL BID BOND

Wisconsin Department of Transportation

DT1303 1/2006

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

Wisconsin Department of Transportation

DT1305 8/2003

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

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

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

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

(Signature of Authorized Contractor Representative) (Date)

March 2010

LIST OF SUBCONTRACTORS

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

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

Name of Subcontractor	Class of Work	Estimated Value

DECEMBER 2000

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

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.

2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.

3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.

4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.

6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.

7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR-1273 - "Required Contract Provisions Federal Aid Construction Contracts," without

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

8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

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

(1) The prospective contractor certifies to the best of its knowledge and belief, that it and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offense enumerated in paragraph (1)(b) of this certification; and

(d) Have not within a three-year period preceding this proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(2) Where the prospective contractor is unable to certify to any of the statements in this certification, such prospective contractor shall attach an explanation to this proposal.

Special Provisions

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SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 5990-00-34, City of Janesville, West Milwaukee Street, Rock River Bridge B-53-0294, Local Street, Rock County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2018 Edition, as published by the department, and these special provisions.

If all or a portion of the plans and special provisions are developed in the SI metric system and the schedule of prices is developed in the US standard measure system, the department will pay for the work as bid in the US standard system.

100-005 (20171130)

2. Scope of Work.

The work under this contract shall consist of removal of Structure P-53-715, grading, concrete pavement, pavement marking and signing, storm sewer, concrete curb and gutter, concrete sidewalk, street lighting, Structure B-53-0294 and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

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

Provide the start date to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Upon approval, the engineer will issue the notice to proceed within ten calendar days before the approved start date.

To revise the start date, submit a written request to the engineer at least two weeks before the intended start date. The engineer will approve or deny that request based on the conditions cited in the request and its effect on the department's scheduled resources.

It is anticipated that the engineer will issue the notice to proceed by October 1, 2018.

A General

Have a superintendent or designated representative from the prime contractor on the job site during all controlling work operations, including periods limited to only subcontractor work operations, to serve as a primary contact person and to coordinate all work operations.

Hold prosecution and progress meetings once per week. Invite City of Janesville representatives to attend the prosecution and progress meetings, including area EMS services. The prime contractor's superintendent or designated representative and subcontractor's representatives for ongoing subcontract work or subcontractor work expected to begin within the next two weeks shall provide a written schedule of the next week(s)' operations. Provide begin and end dates of specific prime and subcontractor work operations. Review the contractor's schedule and subcontractors' schedule, traffic control staging, and evaluation of progress and pay items and other agenda items at the meeting Review plans, schedule and specifications for upcoming work at this meeting.

Take care in protecting all building faces from damage, dirt, and concrete. When doing work near the buildings, put a shield (plywood, sheeting, etc.) up against the building to protect it. The cost of this work is included in the bid item that is being worked on at the time. The contractor is responsible for returning the building face to its original condition if any damage occurs or if any dirt or concrete has adhered to the building face.

The contractor is advised to mobilize construction equipment that is a size suitable for maneuvering in the limited area throughout the project. There are many movement limitations both horizontally and vertically in the project limits (trees, overhead wires, poles, etc.). The contractor will be responsible for any damage done to objects inside the project limits.

There is a great concern from the business owners along the project regarding the amount of dust that will be present from the construction operations. Minimize the amount of dust created from construction. During construction operations, if aggregate, slurry from saw cutting, or other construction materials are in the travel way, the contractor shall immediately clean up the area. Water is included as part of the project to assist with dust abetment during construction.

The contractor may obtain a copy of the existing bridge structure plans, northeast corner riverwall plans, southeast corner cantilever sidewalk plans, and a copy of the new boardwalk shop drawings for the southwest corner of the bridge from Matt McGrath, City of Janesville Engineering, at (608) 755-3165.

An existing memorial plaque is located near the existing tree at 16+68 LT. Contact Matt McGrath, City of Janesville Engineering, at 608-755-3165 to remove the plaque prior to the start of construction.

No sidewalk construction can commence in front of an entrance without notifying the property owner or business a minimum of 48 hours in advance.

Do not store equipment, vehicles, or materials on adjacent streets beyond the project limits without specific approval of the engineer.

If this project will involve cutting our wounding of oak trees, avoid cutting or pruning of oaks from April through September to prevent the spread of oak wilt disease.

Vacate the construction access area downstream of the project located in the City of Janesville owned parking lot along Water Street, between Milwaukee Street and Court Street, as shown on the plans, by June 1, 2019.

B Federal Aviation Administration

The FAA conducted two aeronautical studies under the provisions of 49 U.S.C., Section 44718 for this project.

Aeronautical Study Number 2016-AGL-16890-OE was issued on 1/3/2017 to the project for temporary structures. The initial determination stated the temporary structure does not exceed obstruction standards and would not be a hazard to air navigation.

Aeronautical Study Number 2016-AGL-16958-OE was issued on 1/9/2017 to the project for permanent structures. The initial determination stated the proposed permanent bridge structure does not exceed obstruction standards and would not be a hazard to air navigation.

Prior to construction, due to the expiration of the initial determinations from FAA, new aeronautical studies (FAA 7460-1) must be e-filed with the FAA, referencing the above study numbers, at the following website:

https://oeaaa.faa.gov/oeaaa/external/eFiling/locationAction.jsp?action=showNewLocationForm

C Fish Spawning

There shall be no instream disturbance of Rock River as a result of construction activity under or for this contract, unless within cofferdams or barges, from April 1 to June 15 both dates inclusive, in order to avoid adverse impacts to water quality for the warm water sport fishery.

Any change to this limitation will require submitting a written request by the contractor to the engineer, subsequent review and concurrence by the Department of Natural Resources in the request, and final approval by the engineer. The approval will include all conditions to the request as mutually agreed upon by WisDOT and DNR.

D Migratory Birds

Swallow and other migratory birds' nests have been observed on or under the existing bridge. All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act.

The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established, or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds, or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. Include the cost for preventing nesting in the cost of Removing Old Structure Over Waterway with Minimal Debris.

E Northern Long-eared Bat *(Myotis septentrionalis)*

Northern Long-eared Bats (NLEB) have the potential to inhabit the project limits because they roost in trees. Roosts may not have been observed on this project, but conditions to support the species exist. The species and all active roosts are protected by the Federal Endangered Species Act. If an individual bat or active roost is encountered during construction operations, stop work and notify the engineer and the WisDOT Regional Environmental Coordinator (REC).

According to the final 4(d) rule issued for the NLEB, the department has determined that the proposed activity may affect, but will not result in prohibited take of the NLEB. The activity involves tree removal, but will not occur within 0.25 miles of a known hibernacula, nor will the activity remove a known maternity roost tree or any other tree within 150 feet of a known maternity roost tree.

If additional trees need to be removed, no Clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Additional tree removal beyond the area originally specified will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence survey. Notify the engineer if additional Clearing cannot be avoided to begin coordination with the WisDOT REC. The WisDOT REC will initiate consultation with the USFWS and determine if a survey is necessary.

Submit a schedule and description of Clearing operations with the ECIP 14 days prior to any Clearing operations. The department will determine, based on schedule and scope of work, what additional erosion control measures shall be implemented prior to the start of Clearing operations, and list those additional measures in the ECIP.

F 21 W. Milwaukee Street

The City of Janesville is in the process of developing the existing municipal parking lot into a multistory hotel. The development will utilize the entire parcel and the existing municipal parking lot will be eliminated. Construction of the development is scheduled to begin in the summer of 2018.

For additional information and current plans for the development, contact Matt McGrath, City of Janesville Engineering, at 608-755-3165.

G Janesville Transit System

Janesville Transit System maintains the Milton Ave Route, E. Milwaukee St Route, and the Beloit-Janesville Express Route through the project limits. Contact Matt McGrath, City of Janesville Engineering, at (608) 755-3165 a minimum of 14 calendar days before closure of Milwaukee Street to coordinate with Transit Services.

H Underground Tunnels, Basement and Vaults

City of Janesville sanborn maps identified two underground tunnels that may cross W. Milwaukee Street at Station 12+20 and Station 12+43. Conflicts are not anticipated. Use caution while working in this area.

An existing basement on private property is located under the sidewalk entrance at 15 W. Milwaukee Street. Use caution while working in the area. The contractor will be responsible for any damages.

The project has underground sidewalk vaults that are located through the project limits. The general locations are shown in the plans. The vaults are scheduled to be removed prior to the start of construction.

4. Traffic.

A General

Milwaukee Street, within the project limits shall be closed to through traffic. A detour route shall be posted. The detour route will be Main Street to Court Street to Jackson Street.

Notify the City of Janesville Police Department, Fire Department, Janesville School Bus System, and the Post Office a minimum of 14 calendar days prior to closing Milwaukee Street. All project traffic control will be in place by 7:00 AM the day construction begins.

Maintain an accessible route for emergency vehicles at all times within the project limits. Temporary closures are anticipated for storm sewer construction and concrete operations.

B Pedestrian Traffic

Maintain pedestrian access to residences, businesses, parking lots, and schools or provide where necessary, as directed by the engineer. Provide a temporary surface for pedestrian access at all times in areas of sidewalk construction. Construct the temporary pedestrian surface to meet Americans with

Disabilities Act Accessibility Guidelines (ADAAG) requirements consisting of temporary pedestrian surface asphalt, temporary pedestrian surface plywood, temporary pedestrian surface plate, or alternative material as approved by the engineer. Gravel or base course material is not acceptable. Maintain ADAAG accessible pedestrian access surfaces and walkways that are free from mud, sand, and construction debris.

When the remaining sidewalks need to be removed for replacement, the contractor shall have the base course material leveled and compacted in the removal areas within 24 hours, and the new concrete sidewalk must be in place and available for pedestrian use within 72 hours of removal.

If a business or residence does not have another entrance that can be used during the placement of the new concrete sidewalk, the contractor must provide a temporary pedestrian surface to bridge over the new concrete to the entrance until the new concrete has sufficient strength to carry pedestrian traffic without being damaged.

If additional special pedestrian access needs are identified along the project, provide for that access as directed by the engineer.

Furnish and install temporary curb ramps when existing or finished curb ramps are not in place.

Furnish and install temporary pedestrian safety fence along existing and temporary sidewalk surface where there are drop-offs greater than 6 inches within 1 foot of the sidewalk edge and a grass or turf buffer does not exist to delineate the edge of sidewalk for vision impaired pedestrians.

The Ice Age Trail crossing at Station 13+25 will be closed during construction. The Ice Age Trail Alliance will establish and maintain a detour route for the trail during construction.

Traffic control drums or barrels shall not be used for guidance along pedestrian access routes.

C Main St and E. Milwaukee Street Traffic Signal.
Deactivate Loop 21 on the west approach of the Main Street and E. Milwaukee Street intersection when Milwaukee Street is closed, prior to its removal.

D Limited Closure of River Street
Temporary limited closure of River Street for the northbound traffic and southbound through traffic is permitted for storm sewer installation. Temporary closures are limited to a total of three consecutive days. Submit a written request to the engineer if additional days are needed. Submittal of the request does not constitute final approval. Temporary traffic control signing will be in place prior to any temporary closures.

E Water Street Private Parking Stalls
Five privately owned parking stalls are located off of Water Street between the E. Milwaukee Street and Court Street. Access to these stalls must be maintained at all times. The location of these stalls are shown in the plans.

5. Utilities

This contract does not come under the provision of Administrative Rule Trans 220.

stp-107-066 (20080501)

There are underground facilities located within the project limits. There are known utility adjustments required for the construction project as noted below. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

A Alliant Energy – Electric

Alliant Energy maintains an electrical line that runs along the east river wall and crosses beneath the Milwaukee Street bridge at Station 15+63. At the north side of the east bridge abutment, the electrical line is cored through the river wall where it runs through a 2'x3' metal vault under the existing concrete steps at approximately Station 15+60, 35' LT and continues north beneath the river walk. Alliant Energy will remove the live electrical line and conduit under the bridge, east river wall and river walk within the project limits by September 1, 2018. The contractor can remove the discontinued metal vault and conduit under the river walk on the NE corner concurrent with construction such that a minimum of 5 feet of exposed conduit remains after all river walk removal for Alliant to tie back into once the new bridge abutment has been poured. Notify Alliant Energy three working days in advance if assistance in removal is needed.

Alliant Energy will confirm the elevation of a new 4-inch sleeve the contractor will install at the northeast corner wall of the bridge near Station 15+60, 30' LT. Notify Alliant Energy a minimum three working days prior to forming and pouring the concrete wall to confirm elevation with the contractor.

Alliant Energy will make connections to the existing exposed conduit through the northeast corner wall and install new conduit behind the new east bridge abutment from the new 4-inch sleeve near Station 15+60, 30' LT to Station 15+80, 41' RT during construction. Notify Alliant Energy a minimum five working days prior to backfilling to the elevation of the new 4-inch sleeve behind the abutment and having the worksite available for Alliant Energy to complete conduit placement and connections. Alliant Energy will require three working days to complete the installation.

B Alliant Energy – Gas

Alliant Energy maintains natural gas distribution mains and service laterals within the project limits. The gas facilities run along the east side of River Street and crosses W. Milwaukee Street at Station 11+08. Additional gas facilities run beneath the sidewalk on the north side of E. Milwaukee Street from Station 16+10 to the end of the project. Gas laterals are located at Station 16+10, LT and Station 16+20, RT.

An existing discontinued gas valve is located at Station 13+19, RT. Conflicting discontinued facilities can be removed by the contractor concurrent with construction; coordinate with Alliant Energy if assistance in removal is needed.

Final gas valve adjustments will be made by Alliant Energy during construction. Notify Alliant Energy a minimum five working days prior to needing final gas valve adjustments. Alliant Energy will require one working day to complete the adjustment.

A utility line opening has been provided to expose the existing gas main at Station 11+08.

No conflicts are anticipated.

C AT&T

AT&T maintains facilities throughout the construction limits. From the intersection of River Street and W. Milwaukee Street, there are two duct packages, one 8-duct and one 6-duct, that run 0' to 10' LT of centerline to a structure located at Station 12+95. From the structure at Station 12+95, a 8-duct package runs along the north side of W. Milwaukee Street at approximately 20' to 26 ' LT, crosses the Rock River within the bridge structure, and continues through a manhole structure located 16+05 LT and continues east at Station 17+10 LT. Additionally, a 6-duct package runs from the structure at Station 12+95 along the south side of W. Milwaukee Street, crosses the Rock River within the bridge structure, approximately 18' LT, and continues beyond the project limits.

AT&T has utility services at Station 12+20 LT and 16+05, LT.

AT&T will complete the following work prior to construction:

- Discontinue their facilities in the 8-duct on the north side of W. Milwaukee Street from the structure at Station 12+95, LT, across the bridge and continuing to the structure at Station 16+05, LT.
- Discontinue their facilities in the 6-duct on the south side of W. Milwaukee Street from the structure at Station 12+95, LT, across the bridge and continuing to Main Street.

Conflicting discontinued facilities can be removed by the contractor concurrent with construction; coordinate with AT&T if assistance in removal is needed.

AT&T will provide a site representative anytime the contractor crosses over or under any of AT&T's facilities. Provide a minimum five day notice via email prior to crossing over or under AT&T's facilities.

AT&T will make any necessary adjustments to their structures during the roadway construction. Contractor to contact AT&T a minimum five day notice via email prior to needing the structures adjusted. AT&T will require one working day to complete the adjustment.

D City of Janesville – Street Lighting

The City of Janesville maintains existing light poles within the project limits. Existing lights are located at Station 11+25 RT, Station 12+00 LT, Station 12+97 RT, Station 14+54 RT, Station 15+68 LT, Station 16+30 RT, and 16+81 LT. In general, existing electrical lines connecting light poles are expected to be shallow. An existing lighting control panel is located at Station 15+60, RT.

Proposed street lighting work is included as part of this contract.

The City of Janesville will remove the existing lighting control panel located at Station 15+60, RT during construction. Notify Matt Gosline, (608) 751-5220, a minimum five working days prior to necessary removal. The City of Janesville will require one working day to complete the removal.

As part of the recent Main Street project, a control panel was installed north of 101 E. Milwaukee at approximately Station 17+45, 180' LT. A vacant 2" conduit was installed to utilize the panel as part of the new street lighting design included in the plans.

E City of Janesville – Sanitary Sewer

The City of Janesville maintains a sanitary sewer manhole located at Station 16+90, RT. From this manhole, a 36-inch RCP sanitary sewer runs west along the south side of E. Milwaukee Street to a manhole at Station 15+90, RT. From this manhole, the sanitary sewer runs south along Water Street.

Conflicts with underground facilities are not anticipated. Adjust manhole covers according to the required bid items.

F City of Janesville – Watermain

The City of Janesville maintains a 6-inch watermain running along River Street and crossing W. Milwaukee Street at Station 10+67 and an 18-inch watermain running along River Street and crossing W. Milwaukee Street at Station 10+91.

The City of Janesville maintains a 10-inch watermain located along the north side of W. Milwaukee Street from Station 10+91 to Station 12+90, LT. A hydrant is located at 12+85, 23' LT

A water service lateral on the south side of E. Milwaukee Street at Station 16+50, RT connects to the watermain on Main Street. Conflicts with this water lateral are not anticipated.

The City of Janesville will complete the following work prior to construction:

- Discontinue their facilities between Station 10+91 to 12+90, LT.
- Remove the hydrant located at 12+85, 23' LT.
- Install a new hydrant at Station 11+04, 50' LT connecting into the existing 18" watermain on River Street.
- Install a new 12-inch watermain from Station 10+67 to Station 10+91, 14' RT.

Conflicting discontinued facilities can be removed by the contractor concurrent with construction; coordinate with the City of Janesville if assistance in removal is needed.

Adjust water valve boxes according to the required bid items.

6. Other Contracts - City of Janesville Adjacent Construction Projects.

River Street (Festival Street) Reconstruction: River Street, from Court Street to Milwaukee Street, is scheduled to be reconstructed as part of a separate city project in 2018, with construction scheduled to be completed in the fall of 2018. The reconstruction project includes the east approach of the intersection of River Street and W. Milwaukee Street. Field adjustment may be required to tie into final construction elevations for the city project.

Water Street Reconstruction: Water Street is scheduled to be reconstructed as part of a separate city project in 2019. The reconstruction project includes the south approach of the intersection of Water Street and E. Milwaukee Street and the public parking lot dedicated for construction access to the Rock River. Included with this project is a pedestrian bridge that will cross the Rock River downstream of project. Construction access and staging areas to the Rock River will be maintained until completion of the Milwaukee Street project.

Boardwalk Bridge Connection: As part of a separate project, the City of Janesville is constructing a new boardwalk path bridge that will run parallel to the cantilever sidewalk at 15 W. Milwaukee and the Rock River. Details are included in the structure plans for tying into this project. The path bridge is scheduled to be completed in the fall of 2018.

For additional information on these projects, contact Matt McGrath, City of Janesville Engineering, at (608) 755-3165.

7. Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.

The department has obtained a U.S. Army Corps of Engineers Section 404 permit. Comply with the requirements of the permit in addition to requirements of the special provisions. A copy of the permit is available from the regional office by contacting Zachary Pearson at (608) 246-5319.

stp-107-054 (20080901)

8. Environmental Protection, Aquatic Exotic Species Control.

Exotic invasive organisms such as VHS, zebra mussels, purple loosestrife, and Eurasian water milfoil are becoming more prolific in Wisconsin and pose adverse effects to waters of the state. Wisconsin State Statutes 30.07, "Transportation of Aquatic Plants and Animals; Placement of Objects in Navigable Waters", details the state law that requires the removal of aquatic plants and zebra mussels each time equipment is put into state waters.

At construction sites that involve navigable water or wetlands, use the follow cleaning procedures to minimize the chance of exotic invasive species infestation. Use these procedures for all equipment that comes in contact with waters of the state and/or infested water or potentially infested water in other states.

Ensure that all equipment that has been in contact with waters of the state, or with infested or potentially infested waters, has been decontaminated for aquatic plant materials and zebra mussels before being used in other waters of the state. Before using equipment on this project, thoroughly disinfect all equipment that has come into contact with potentially infested waters. Guidelines from the Wisconsin Department of Natural Resources for disinfection are available at:

http://dnr.wi.gov/topic/invasives/disinfection.html

Use the following inspection and removal procedures:

1. Before leaving the contaminated site, wash machinery and ensure that the machinery is free of all soil and other substances that could possibly contain exotic invasive species;
2. Drain all water from boats, trailers, bilges, live wells, coolers, bait buckets, engine compartments, and any other area where water may be trapped;
3. Inspect boat hulls, propellers, trailers and other surfaces. Scrape off any attached mussels, remove any aquatic plant materials (fragments, stems, leaves, seeds, or roots), and dispose of removed mussels and plant materials in a garbage can before leaving the area or invested waters; and
4. Disinfect your boat, equipment and gear by either:
   4.1. Washing with ~212 F water (steam clean), or
   4.2. Drying thoroughly for five days after cleaning with soap and water and/or high pressure water, or
   4.3. Disinfecting with either 200 ppm (0.5 oz per gallon or 1 Tablespoon per gallon) Chlorine for 10-minute contact time or 1:100 solution (38 grams per gallon) of Virkon Aquatic for 20- to 30-minute contact time. Note: Virkon is not registered to kill zebra mussel veligers nor invertebrates like spiny water flea. Therefore this disinfect should be used in conjunction with a hot water (>104º F) application.

Complete the inspection and removal procedure before equipment is brought to the project site and before the equipment leaves the project site.

stp-107-055 (20130615)

9. Construction Over or Adjacent to Navigable Waters.

The Rock River is classified as a federal navigable waterway under standard spec 107.19.

stp-107-060 (20171130)

Obtain all permits prior to construction per standard spec 107.19, including the WDNR Waterway Marker Application and Permit. According to WDNR, the general steps for submission of a Waterway Marker Application and Permit are as follows:

1. Fill out the Waterway Marker Application and Permit form:

   http://dnr.wi.gov/topic/waterways/permit_apps/waterway_marker_application_permit_form_8700-058.pdf
   List the Department of Transportation as the applicant.

2. Be sure to include an aerial map-diagram or engineered-diagram of the work location and the placement of the waterway markers (buoys). If proposed GPS coordinates for each buoy are not provided, then markers placed on the diagram shall show distance (in feet) from each marker location and from one permanent fixture as a benchmark.

3. Provide the completed application/permit to Matt McGrath, City of Janesville. Obtain their signature if they concur.

4. Forward the signed application/permit to the Boating Program Specialist and DNR Liaison:

   a.) Peggy Kanable, Boating Program Specialist
   Wisconsin Department of Natural Resources
   101 South Webster Street – LE/8
   Madison, WI 53703

   b.) Laura Bub, DNR Liaison
   Wisconsin Department of Natural Resources
   3911 Fish Hatchery Road
   Fitchburg, WI, 53711

The Boating Program Specialist will communicate with the local Warden and Recreational Safety Warden in processing and finalizing the permit. If the permit application is incomplete or additional information is needed, the Boating Program Specialist will work with the DNR's Regional DOT Liaison to resolve.

5. Obtain a final permit approval letter and copy of the signed application/permit from the Recreational Boating Program Specialist.

While river travel is closed to navigation from the Central Dam to the Milwaukee Street bridge for structure work, place warning signs located at both non-motorized launches located between the Central Dam and the Milwaukee Street bridge, as shown on the traffic control plans, to alert users of restricted river use.

10. Erosion Control Structures.

Within seven calendar days after beginning work on the bridge superstructure, place all permanent erosion control devices, including riprap, erosion mat, ditch checks, seed, fertilizer, mulch, soil stabilizer, or any other item required by the contract or deemed necessary by the engineer. These devices shall be in place in the area under the bridge and on both sides of the roadway, from the waterway to a point 100-feet behind the backwall of the abutment. Within said limits, place these devices to a height equivalent to the calculated water elevation resulting from a storm that occurs on the average of once every two years (Q2) as shown on the plan, or as the engineer directs. Before initial construction operations, place turbidity barriers, silt screens, and other temporary erosion control measures as the plans show, and remove them after the permanent erosion control devices are in place unless directed otherwise by the engineer.

In the event that construction activity does not disturb the existing ground below the Q2 elevation, the above timing requirements for permanent erosion control shall be waived.

stp-107-070 (20030820)

11. Archaeological Site Protection.

An archaeologically significant site exists within the project area at the following:

Site	Location
47RO81	Station 10+25 to Station 11+25, LT and RT

Do not use this site for borrow or waste disposal. Do not use the site area not currently capped by asphalt/concrete for the staging of personnel, equipment and/or supplies.

12. Notice to Contractor, Notification of Demolition and/or Renovation No Asbestos Found.

John Roelke, License Number ALL-119523, inspected Structure P-53-0715 for asbestos on December 30, 2014. No regulated Asbestos Containing Material (RACM) was found on this structure. A copy of the inspection report is available from: Zachary Pearson (608) 246-5319.

According to NR447 and DHS159 , ensure that DNR or DHS receives a completed Notification of Demolition and/or Renovation (DNR Form 4500-113 (R 4/11), or subsequent revision) via U.S. mail, hand-delivery, or using the online notification system at least 10 working days before beginning any construction or demolition. Pay all associated fees. Provide a copy of the completed 4500-113 form to

Zachary Pearson, (608) 246-5319 and DOT BTS-ESS attn: Hazardous Materials Specialist PO Box 7965, Madison, WI 53707-7965. In addition, comply with all local or municipal asbestos requirements.

Use the following information to complete WisDNR form 4500-113:

- Site Name: Structure P-53-0715, Milwaukee Street over Rock River
- Site Address: Section 25 T3N R12E
- Ownership Information: City of Janesville, 18 N Jackson Street, Janesville, WI 53547
- Contact: Zachary Pearson, WisDOT SW Region, 2101 Wright St, Madison, WI 53704
- Phone: (608) 246-5319
- Age: 105 years old. This structure was constructed in 1913.
- Area: 12,317 SF of deck

Insert the following paragraph in Section 6.g.:

- If asbestos not previously identified is found or previously non-friable asbestos becomes crumbled, pulverized, or reduced to a powder, stop work immediately, notify the engineer, and the engineer will notify the department's Bureau of Technical Services at (608) 266-1476 for an emergency response as specified in standard spec 107.24. Keep material wet until it is abated or until it is determined to be non-asbestos containing material.

stp-107-125 (20120615)

13. Hauling Restrictions.

At all times, conduct operations in a manner that will cause a minimum of inconvenience to the free flow of traffic. Hauling vehicles shall only use engineer-approved ingress and egress locations. Use only City of Janesville designated truck routes for material haul roads. Comply with all local ordinances.

14. Coordination with Businesses.

The contractor shall arrange and conduct a meeting between the contractor, the department, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations. Hold the first meeting at least one week before the start of work under this contract and hold one meeting per month thereafter. The contractor shall arrange for a suitable location for meetings that provides reasonable accommodation for public involvement. The department will work with the City of Janesville to prepare and coordinate publication of the meeting notices and mailings for meetings. The contractor shall schedule meetings with at least 2 weeks prior notice to the engineer to allow for these notifications.

15. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

Check for and comply with local ordinances governing the hours of operation of construction equipment. Do not operate motorized construction equipment from 7:00 PM until the following 7:00 AM, unless prior written approval is obtained from the engineer.

stp-107-001 (20060512)

16. Removing Concrete Sidewalk, Item 204.0155.

Supplement standard spec 204 with the following:

Removal of the concrete sidewalk where buildings and vaults abut the concrete sidewalk shall include performing a full depth sawcut approximately 1/2 foot from the vaults or buildings or as close as possible to the buildings. Remove the remaining pieces of sidewalk by the buildings by other methods. Payment of the full depth sawcut will be paid for under the bid item Sawing Concrete. During the sawcutting and sidewalk removal the contractor shall take extreme care to not damage the buildings. The contractor will be responsible for any damage to the vaults or buildings. Salvage rebars that extend into the sidewalk from the buildings and incorporate into the new concrete sidewalk. Place 1" of joint filler along the building or remaining sidewalk. The joint filler is included in the bid item Concrete Sidewalk.

17. Abandoning Sewer, Item 204.0291.S.

A Description

This special provision describes abandoning existing sewer by filling it with cellular concrete as the plans show and conforming to standard spec 204 and standard spec 501as modified in this special provision.

B Materials

Provide cellular concrete meeting the following specifications: 1 part cement, 1 part fly ash, 8 parts sand, or an approved equal, and water. Provide cement meeting the requirements of standard spec 501.2.1 for Type 1 Portland Cement. Provide sand meeting the requirements of standard spec 501.2.5.3. Provide water meeting the requirements of standard spec 501.2.4.

C Construction

Fill the abandoned sewer pipe with cellular concrete as the engineer directs. In the event that the sewer cannot be completely filled from existing manholes, tap the sewer where necessary and fill from these locations.

D Measurement

The department will measure Abandoning Sewer in volume by the cubic yard as specified in standard spec 109.1.3.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
204.0291.S	Abandoning Sewer	CY

Payment is full compensation for furnishing all materials and excavating and backfilling where necessary.

stp-204-050 (20080902)

18. Removing Flashing Beacon Assembly, Item 204.9060.S.01.

A Description

This special provision describes removing the flashing beacon assembly conforming to standard spec 204.

B (Vacant)

C Construction

Arrange for the de-energizing of the flashing beacon with the local electrical utility.

Notify Matt McGrath at the City of Janesville at (608) 755-3165 at least three working days prior to the removal of the equipment to coordinate pick up of existing equipment. Complete the removal work as soon as possible following shut down of this equipment.

Remove all poles and pedestal bases from their concrete footings and disassemble out of traffic. Remove the transformer or pedestal bases from each pole. Remove the signals heads, signs, buttons, wiring/cabling and mounting devices from each pole. Ensure that access handhole doors and hardware remain intact. Dispose of the underground cable and all wires.

D Measurement

The department will measure Removing Flashing Beacon Assembly as each individual unit, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Removing Flashing Beacon Assembly	EACH

19. Removing Concrete Planter Curb, Item 204.9090.S.01.

A Description

This special provision describes removing concrete planter curb conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Concrete Planter Curb by the linear foot, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9090.S.01	Removing Concrete Planter Curb	LF

stp-204-025 (20150630)

20. Removing Concrete Steps, Supports, and Railings, Item 204.9105.S.01.

A Description

This special provision describes removing concrete steps, supports, and railings conforming to standard spec 204.

B (Vacant)

C (Vacant)

D Measurement

The department will measure Removing Concrete Steps, Supports, and Railings as a lump sum unit of work, acceptably completed.

E Payment

Add the following to standard spec 204.5:

ITEM NUMBER	DESCRIPTION	UNIT
204.9105.S.01	Removing Concrete Steps, Supports, and Railings	LS

stp-204-025 (20150630)

21. Base Aggregate Dense 1 1/4-Inch Item 305.0120.

Replace standard spec 305.1 (1) with the following:

(1) This section describes constructing a dense graded base using crushed Limestone.

Replace standard spec 305.2.1 (1) with the following:

(1) Provide aggregate conforming to 301.2 for crushed Limestone.

22. QMP Base Aggregate.

A Description

A.1 General

(1) This special provision describes contractor quality control (QC) sampling and testing for base aggregates, documenting those test results, and documenting related production and placement process changes. This special provision also describes department quality verification (QV), independent assurance (IA), and dispute resolution.

(2) Conform to standard spec 301, standard spec 305, and standard spec 310 as modified here in this special provision. Apply this special provision to material placed under all of the Base Aggregate Dense and Base Aggregate Open Graded bid items, except do not apply this special provision to material classified as reclaimed asphaltic pavement placed under the Base Aggregate Dense bid items.

(3) Do not apply this special provision to material placed and paid for under the Aggregate Detours, Breaker Run, Select Crushed, Pit Run, Subbase, or Riprap bid items.

(4) Provide and maintain a quality control program, defined as all activities related to and documentation of the following:

1. Production and placement control and inspection.
2. Material sampling and testing.

(5) Chapter 8 of the department's construction and materials manual (CMM) provides additional detailed guidance for QMP work and describes required sampling and testing procedures.

https://wisconsindot.gov/rdwy/cmm/cm-08-00toc.pdf

A.2 Small Quantities

(1) The department defines a small quantity, for each individual Base Aggregate bid item, as a contract quantity of 9000 tons or less of material as shown in the schedule of items under that bid item.

(2) The requirements under this special provision apply equally to a small quantity for an individual bid item except as follows:

A.2.1 Quality Control Plan

(1) Submit an abbreviated quality control plan consisting of the following:

1. Organizational chart including names, telephone numbers, current certifications with HTCP numbers, and expiration dates, and roles and responsibilities of all persons involved in the quality control program for material under affected bid items.

A.2.2 Contractor Testing

1. Testing frequency:

Contract Quantity	Minimum Required Testing per source
≤ 6000 tons	One stockpile test before placement, and two production or one loadout test. [1] [2]
> 6000 tons and ≤ 9000 tons	One stockpile and Three placement tests [3] [4] [5]

[1] Submit production test results to the engineer for review before incorporating the material into the work. Production test results are valid for a period of 3 years.

[2] If the actual quantity overruns 6,000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.

[3] If the actual quantity overruns 9000 tons, on the next day of placement perform one randomly selected placement test for each 3000 tons, or fraction of 3000 tons, of overrun.

[4] For 3-inch material or lift thickness of 3 inch or less, obtain samples at load-out.

[5] Divide the aggregate into uniformly sized sublots for testing.

2. Stockpile testing for concrete pavement recycled in place will be sampled on the first day of production.
3. Until a four point running average is established, individual placement tests will be used for acceptance. Submit aggregate load-out and placement test results to the engineer within one business day of obtaining the sample. Assure that all properties are within the limits specified for each test.
4. Material represented by a sublot with any property outside the specification limits is nonconforming. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

A.2.3 Department Testing

(1) The department will perform testing as specified in B.8 except as follows:

- Department testing may be waived for contract bid item quantities of 500 tons or less.

B Materials

B.1 Quality Control Plan

(1) Submit a comprehensive written quality control plan to the engineer at or before the pre-construction meeting. Do not place base before the engineer reviews and comments on the plan. Construct the project as that plan provides.

(2) Do not change the quality control plan without the engineer's review. Update the plan with changes as they become effective. Provide a current copy of the plan to the engineer and post in each of the contractor's laboratories as changes are adopted. Ensure that the plan provides the following elements:

1. An organizational chart with names, telephone numbers, current certifications and/or titles, and roles and responsibilities of QC personnel.
2. The process used to disseminate QC information and corrective action efforts to the appropriate persons. Include a list of recipients, the communication means that will be used, and action time frames.
3. A list of source and processing locations, section and quarter descriptions, for all aggregate materials requiring QC testing.
4. Test results for wear, sodium sulfate soundness, freeze/thaw soundness, and plasticity index of all aggregates requiring QC testing. Obtain this information from the region materials unit or from the engineer.
5. Descriptions of stockpiling and hauling methods.
6. Locations of the QC laboratory, retained sample storage, and where control charts and other documentation is posted.
7. An outline for resolving a process control problem. Include responsible personnel, required documentation, and appropriate communication steps.

B.2 Personnel

(1) Have personnel certified under the department's highway technician certification program (HTCP) perform sampling, testing, and documentation as follows:

SAMPLING AND TESTING ROLES	TEST STANDARD	REQUIRED CERTIFICATION
Random Sampling of Materials Sampling Aggregates	ASTM D3665 AASHTO T2 *[1]*	Transportation Materials Sampling Technician (TMS) Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG)
Percent passing the 200 Sieve Gradation Moisture Content Fractured Faces	AASHTO T11 AASHTO T27 AASHTO T255 ASTM D5821	Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG)
Liquid and Plasticity Index	AASHTO T89 AASHTO T90	Aggregate Testing for Transportation Systems (ATTS) Grading Technician I (GRADINGTEC-1) Grading Assistant Certified Technician (ACT-Grading)
Plasticity Check	AASHTO T90	Aggregate Technician I (AGGTEC-I) AGGTEC-I Assistant Certified Technician (ACT-AGG) Grading Technician I (GRADINGTEC-1) Grading Assistant Certified Technician (ACT-Grading)

[1] Plant personnel under the direct observation of an aggregate technician certified at level one or higher may operate equipment to obtain samples.

(2) A certified technician must coordinate and take responsibility for the work an ACT performs. Have a certified technician ensure that all sampling and testing is performed correctly, analyze test results, and post resulting data. No more than one ACT can work under a single certified technician.

B.3 Laboratory

(1) Perform QC testing at a department-qualified laboratory. Obtain information on the Wisconsin laboratory qualification program from:

Materials Management Section
3502 Kinsman Blvd.
Madison, WI 53704
Telephone: (608) 246-5388

https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/appr-prod/qual-labs.aspx

B.4 Quality Control Documentation

B.4.1 General

(1) Submit base aggregate placement documentation to the engineer within 10 business days after completing base placement. Ensure that the submittal is complete, neatly organized, and includes applicable project records and control charts.

B.4.2 Records

(1) Document all placement observations, inspection records, and control adjustments daily in a permanent field record. Also include all test results in the project records. Provide test results to the engineer within one business day after obtaining a sample. Post or distribute tabulated results using a method mutually agreeable to the engineer and contractor.

B.4.3 Control Charts

(1) Plot gradation and fracture on the appropriate control chart as soon as test results are available. Format control charts according to CMM 8.30. Include the project number on base placement control charts. Maintain separate control charts for each base aggregate size, source or classification, and type.

(2) Provide control charts to the engineer within one business day after obtaining a sample. Post or distribute charts using a method mutually agreeable to the engineer and contractor. Update control charts daily to include the following:

1. Contractor individual QC tests.
2. Department QV tests.
3. Department IA tests.
4. Four-point running average of the QC tests.

(3) Except as specified under B.8.2.1 for nonconforming QV placement tests, include only QC placement tests in the running average. The contractor may plot process control or informational tests on control charts, but do not include these tests, conforming QV tests, or IA tests in the running average.

B.5 Contractor Testing

(1) Test gradation, fracture, liquid limit and plasticity index during placement for each base aggregate size, source or classification, and type.

(2) Perform one stockpile test from each source before placement. One stockpile test may be used for multiple projects up to 60 calendar days.

(3) Test gradation once per 3000 tons of material placed or fraction thereof. Determine random sample locations and provide those sample locations to the engineer. Obtain samples after the material has been bladed, mixed, and shaped but before watering and compacting; except collect 3-inch samples or lift thickness of 3 inch or less from the stockpile at load-out. Do not sample from material used to maintain local traffic or from areas of temporary base that will not have an overlying pavement. On days when placing only material used to maintain local traffic or only temporary base that will not have an overlying pavement, no placement testing is required.

(4) Split each contractor QC sample and identify it according to CMM 8.30. Retain the split for seven calendar days in a dry, protected location. If requested for department comparison testing, deliver the split to the engineer within one business day.

(5) The engineer may require additional sampling and testing to evaluate suspect material or the technician's sampling and testing procedures.

(6) Test fracture for each gradation test until the fracture running average is above the lower warning limit. Subsequently, the contractor may reduce the frequency to one test per 10 gradation tests if the fracture running average remains above the warning limit.

(7) Test the liquid limit and plasticity index for the first gradation test. Subsequently, test the liquid limit and plasticity index a minimum of once per 10 gradation tests.

B.6 Test Methods

B.6.1 Gradation

(1) Test gradation using a washed analysis conforming to the following as modified in CMM 8.60:

Gradation	AASHTO T 27
Material finer than the No. 200 sieve	AASHTO T 11

(2) For 3-inch base, if 3 consecutive running average points for the percent passing the No. 200 sieve are 8.5 percent or less, the contractor may use an unwashed analysis. Wash at least one sample out of 10. If a single running average for the percent passing the No. 200 sieve exceeds 8.5 percent, resume washed analyses until 3 consecutive running average points are again 8.5 percent passing or less.

(3) Maintain a separate control chart for each sieve size specified in standard spec 305 or standard spec 310 for each base aggregate size, source or classification, and type. Set control and warning limits based on the standard specification gradation limits as follows:

1. Control limits are at the upper and lower specification limits.
2. There are no upper warning limits for sieves allowing 100 percent passing and no lower control limits for sieves allowing 0 percent passing.
3. Dense graded warning limits, except for the No. 200 sieve, are 2 percent within the upper and lower control limits. Warning limits for the No. 200 sieve are set 0.5 percent within the upper and lower control limits.
4. Open graded warning limits for the 1-inch, 3/8-inch, and No. 4 sieves are 2 percent within the upper and lower control limits. Upper warning limits for the No. 10, No. 40, and No. 200 sieves are 1 percent inside the upper control limit.

B.6.2 Fracture

(1) Test fracture conforming to CMM 8.60. The engineer will waive fractured particle testing on quarried stone.

(2) Maintain a separate fracture control chart for each base aggregate size, source or classification, and type. Set the lower control limit at the contract specification limit, either specified in another special provision or in table 301-2 of standard spec 301.2.4.5. Set the lower warning limit 2 percent above the lower control limit. There are no upper limits.

B.6.3 Liquid Limit and Plasticity

(1) Test the liquid limit and plasticity according to AASHTO T 89 and T 90.

(2) Ensure the material conforms to the limits specified in standard spec table 301-2.

B.7 Corrective Action

B.7.1 General

(1) Consider corrective action when the running average trends toward a warning limit. Take corrective action if an individual test exceeds the contract specification limit. Document all corrective actions both in the project records and on the appropriate control chart.

B.7.2 Placement Corrective Action

(1) Do not blend additional material on the roadbed to correct gradation problems.

(2) Notify the engineer whenever the running average exceeds a warning limit. When two consecutive running averages exceed a warning limit, the engineer and contractor will discuss appropriate corrective action. Perform the engineer's recommended corrective action and increase the testing frequency as follows:

1. For gradation, increase the QC testing frequency to at least one randomly sampled test per 1000 tons placed.
2. For fracture, increase the QC testing frequency to at least one test per gradation test.

(3) If corrective action improves the property in question such that the running average after four additional tests is within the warning limits, the contractor may return to the testing frequency specified in B.5.3. If corrective action does not improve the property in question such that the running average after four additional individual tests is still in the warning band, repeat the steps outlined above starting with engineer notification.

(4) If the running average exceeds a control limit, material starting from the first running average exceeding the control limit and ending at the first subsequent running average inside the control limit is nonconforming and subject to pay reduction.

(5) For individual test results significantly outside the control limits, notify the engineer, stop placing base, and suspend other activities that may affect the area in question. The engineer and contractor will jointly review data, data reduction, and data analysis; evaluate sampling and testing procedures; and perform additional testing as required to determine the extent of potentially unacceptable material. The engineer may direct the contractor to remove and replace that material. Individual test results are significantly outside the control limits if meeting one or more of the following criteria:

1. A gradation control limit for the No. 200 sieve is exceeded by more than 3.0 percent.
2. A gradation control limit for any sieve, except the No. 200, is exceeded by more than 5.0 percent.
3. The fracture control limit is exceeded by more than 10.0 percent.

B.8 Department Testing

B.8.1 General

(1) The department will conduct verification testing to validate the quality of the product and independent assurance testing to evaluate the sampling and testing. The department will provide the contractor with a listing of names and telephone numbers of all QV and IA personnel for the project, and provide test results to the contractor within two business days after the department obtains the sample.

B.8.2 Verification Testing

B.8.2.1 General

(1) The department will have an HTCP technician, or ACT working under a certified technician, perform QV sampling and testing. Department verification testing personnel must meet the same certification level requirements specified in B.2 for contractor testing personnel for each test result being verified. The department will notify the contractor before sampling so the contractor can observe QV sampling.

(2) The department will conduct QV tests of each base aggregate size, source or classification, and type during placement conforming to the following:

1. Perform one stockpile test from each source before placement.
2. At least one random test per 30,000 tons, or fraction of 30,000 tons, placed.

(3) The department will sample randomly, at locations independent of the contractor's QC work, collecting one sample at each QV location. The department will collect QV samples after the material has been bladed, mixed, and shaped but before watering and compacting; except, for 3-inch aggregates or for a lift thickness of 3 inch or less, the department will collect samples at load-out. The department will split each sample, test half for QV, and retain half.

(4) The department will conduct QV tests in a separate laboratory and with separate equipment from the contractor's QC tests. The department will use the same methods specified for QC testing.

(5) The department will assess QV results by comparing to the appropriate specification limits. If QV test results conform to the specification, the department will take no further action. If QV test results are nonconforming, add the QV to the QC test results as if it were an additional QC test.

B.8.3 Independent Assurance

(1) Independence assurance is unbiased testing the department performs to evaluate the department's QV and the contractor's QC sampling and testing including personnel qualifications, procedures, and equipment. The department will perform an IA review according to the department's independent assurance program. That review may include one or more of the following:

1. Split sample testing.
2. Proficiency sample testing.
3. Witnessing sampling and testing.
4. Test equipment calibration checks.
5. Reviewing required worksheets and control charts.
6. Requesting that testing personnel perform additional sampling and testing.

(2) If the department identifies a deficiency, and after further investigation confirms it, correct that deficiency. If the contractor does not correct or fails to cooperate in resolving identified deficiencies, the engineer may suspend placement until action is taken. Resolve disputes as specified in B.9.

B.9 Dispute Resolution

(1) The engineer and contractor should make every effort to avoid conflict. If a dispute between some aspect of the contractor's and the engineer's testing program does occur, seek a solution mutually agreeable to the project personnel. The department and contractor may review the data, examine data reduction and analysis methods, evaluate sampling and testing procedures, and perform additional testing. Use ASTM E 178 to evaluate potential statistically outlying data.

(2) Production test results, and results from other process control testing, may be considered when resolving a dispute.

(3) If the project personnel cannot resolve a dispute, and the dispute affects payment or could result in incorporating non-conforming product, the department will use third party testing to resolve the dispute. The department's central office laboratory, or a mutually agreed on independent testing laboratory, will provide this testing. The engineer and contractor will abide by the results of the third party tests. The party in error will pay service charges incurred for testing by an independent laboratory. The department may use third party test results to evaluate the quality of questionable materials and determine the appropriate payment. The department may reject material or otherwise determine the final disposition of nonconforming material as specified in standard spec 106.5.

C (Vacant)

D (Vacant)

E Payment

(1) Costs for all sampling, testing, and documentation required under this special provision are incidental to this work. If the contractor fails to perform the work required under this special provision, the department may reduce the contractor's pay. The department will administer pay reduction under the non-performance of QMP administrative item.

(2) For material represented by a running average exceeding a control limit, the department will reduce pay according to CMM 8-10.5.2 for the affected Base Aggregate bid items listed in subsection A. The department will administer pay reduction under the Nonconforming QMP Base Aggregate Gradation or Nonconforming QMP Base Aggregate Fracture Administrative items. The department will determine the quantity of nonconforming material as specified in B.7.2.

stp-301-010 (20171130)

23. Abutment and Pier Construction.

Determine the method of construction, and observe the following conditions:

1. Cofferdams are required at the abutments and piers. Build the cofferdams of non-erodable material.
2. Concrete poured under water will not be allowed. Dewater and place all concrete under dry conditions.

Prior to driving abutment piling, prebore to a depth of 20'-0" below the bottom of the abutments.

24. Concrete Masonry Bridges.

During bridge removal, salvage the existing bridge plaque that is located on the top of the parapet in the northeast corner of the bridge. The plaque reads "The Gould Construction Co. Builders Davenport, Iowa 1913". Remount the plaque on the new parapet in the southwest corner at the location shown in the plans. Salvaging and remounting the plaque is included in the bid item for "Concrete Masonry Bridges".

25. Concrete Sidewalk 5-Inch, Item 602.0410.

Supplement standard spec 602.3.2.3 with the following:

(4) Submit an 8-foot by 10-foot by 5-inch panel, to demonstrate finish, color, texture, jointing pattern and treatment required in actual construction at least 10 days prior to the installation for approval by the engineer and City of Janesville (Matt McGrath, City of Janesville Engineering, at (608) 755-3165). Location of sample on site will be approved by the engineer prior to construction. Consider the accepted mock-up as a minimum standard of workmanship to be matched or bettered throughout the project. The mock-up may be constructed as part of the project and, if approved, will be accepted as part of the work. Remove mock-ups which fail to meet the engineer's and City of Janesville approval.

26. Storm Sewer

Existing storm sewer outlets through both the east and west abutment. During the removal and construction of the abutments, provide a temporary outlet for the storm sewer until the proposed storm sewer is completed. The work for this temporary storm sewer is included in the bid item Removing Old Structure over Waterway with Minimal Debris, Station 14+54.

27. Adjusting Manhole Covers.

This special provision describes adjusting manhole covers conforming to standard spec 611 as modified in this special provision.

Revise standard spec 611.3.7 by deleting the last paragraph.

Set the manhole frames so that they comply with the surface requirements of standard spec 450.3.2.9. At the completion of the paving, a 6-foot straightedge shall be placed over the centerline of each manhole frame parallel to the direction of traffic. A measurement shall be made at each side of the frame. The two measurements shall be averaged. If this average is greater than 5/8 inches, reset the manhole frame to the correct plane and elevation. If this average is 5/8 inches or less but greater than 3/8 inches, the manhole frame shall be allowed to remain in place but shall be paid for at 50 percent of the contract unit price.

If the manhole frame is higher than the adjacent pavement, the two measurements shall be made at each end of the straightedge. These two measurements shall be averaged. The same criteria for acceptance and payment as above, shall apply.

28. Cover Plates Temporary, Item 611.8120.S.

A Description

This special provision describes providing and removing steel plates to cover and support asphaltic pavement and traffic loading at manholes, inlets and similar structures during milling and paving operations.

B Materials

Provide a 0.25 inch minimum thickness steel plate that extends to the outside edge of the existing masonry.

C (Vacant)

D Measurement

The department will measure Cover Plates Temporary as each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
611.8120.S	Cover Plates Temporary	EACH

Payment is full compensation for furnishing, installing, and removing the cover plates.

The steel plates shall become the property of the contractor when no longer needed in the contract work.

stp-611-006 (20151210)

29. Insulation Board Polystyrene, 2-Inch, Item 612.0902.S.01.

A Description

This special provision describes furnishing and placing polystyrene insulation board as the plans show.

B Materials

Provide polystyrene insulation board that conforms to the requirements for Extruded Insulation Board, AASHTO Designation M230 as modified in this special provision.

Delete flammability requirement.

B.1 Certification

Before installation, obtain from the manufacturer a certification indicating compliance and furnish it to the engineer.

C (Vacant)

D Measurement

The department will measure Insulation Board Polystyrene (size) by area in square yards of work, completed and accepted.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
612.0902.S.01	Insulation Board Polystyrene 2-Inch	SY

Payment is full compensation for all excavation; and for furnishing and placing the insulation board.

stp-612-005 (20030820)

30. Fence Safety, Item 616.0700.S.

A Description

This special provision describes providing plastic fence at locations the plans show.

B Materials

Furnish notched conventional metal "T" or "U" shaped fence posts.

Furnish fence fabric meeting the following requirements.

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene mesh
Tensile Yield:	Avg. 2000 lb per 4 ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4 ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

C Construction

Drive posts into the ground 12 to 18 inches. Space posts at 7 feet.

Use a minimum of three wire ties to secure the fence at each post. Weave tension wire through the top row of strands to provide a top stringer that prevents sagging.

Overlap two rolls at a post and secure with wire ties.

D Measurement

The department will measure Fence Safety by the linear foot along the base of the fence, center-to-center of posts, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
616.0700.S	Fence Safety	LF

Payment is full compensation for furnishing and installing fence and posts; maintaining the fence and posts in satisfactory condition; and for removing and disposing of fence and posts at project completion.

stp-616-030 (20160607)

31. Landscape Planting Surveillance and Care Cycles.

If the care specialist fails to perform any of the required care cycles as specified in standard spec 632.3.19.1, the department will assess daily damages in the amount of $200 to cover the cost of performing the work with other forces. The department will assess these damages for each day the requirements of the care cycle remain incomplete, except when the engineer extends the required time period.

stp-632-005 (20070510)

32. Temporary Pedestrian Surface Asphalt, Item 644.1410.S;Temporary Pedestrian Surface Plywood, Item 644.1420.S;Temporary Pedestrian Surface Plate, Item 644.1430.S.

A Description

This special provision describes providing, maintaining, and removing temporary pedestrian surface.

B Materials

Furnish 1 1/4-inch dense graded aggregate conforming to standard spec 305.2. Furnish:

- Asphaltic surface conforming to standard spec 465.2.
- Pressure treated 2x4 framing lumber, pressure treated 3/4 inch plywood with skid resistant surface coating, and weather resistant deck screws 3 1/2 inch minimum for framing and 1 5/8 inch minimum for plywood.
- 1/4 inch minimum steel plate or commercially available prefabricated plates with skid resistant surface coating conforming to Americans with Disabilities Act Accessibility Guidelines. If placed in the roadway, must be able to handle a vehicle weight of 88,000 lbs.

C Construction

Place, compact, and level a dense graded aggregate foundation before placing the surface.

Provide a firm, stable, and slip-resistant surface layer with vertical joints no higher than 1/4 inch and horizontal joints no wider than 1/2 inch. Sheet materials up to 1 inch thick may be lapped if the edge is beveled at 45 degrees or flatter. Asphalt may also be used to ramp up to materials up to 1 inch thick. Construct conforming to the following:

- Asphalt surface a minimum of 2 inches thick compacted with compactors, tampers, or rollers.
- Framed plywood panels 4 feet wide with a skid resistant surface coating.
- Steel or prefabricated plate with a skid resistant surface coating.

Align parallel to the existing roadway grade or, if outside of a street or highway right-of-way, do not exceed 5 percent longitudinal slope. Provide cross slope of 1 to 2 percent unless the engineer approves a steeper cross slope in writing.

Maintain the surface with a 4 foot minimum clear width and the specified joint and slope requirements. Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in standard spec 203.3.4 when no longer required.

D Measurement

The department will measure temporary pedestrian surface by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
644.1410.S	Temporary Pedestrian Surface Asphalt	SF
644.1420.S	Temporary Pedestrian Surface Plywood	SF
644.1430.S	Temporary Pedestrian Surface Plate	SF

Payment is full compensation for providing, maintaining, and removing temporary pedestrian surface.

stp-644-010 (20150630)

33. Temporary Curb Ramp, Item 644.1601.S.

A Description

This special provision describes providing, maintaining, and removing temporary curb ramps.

B Materials

Furnish materials as follows:

- Asphaltic surface conforming to standard spec 465.2.
- Engineer-approved ready mixed concrete or ancillary concrete conforming to standard spec 602.2 except no QMP is required.
- Commercially available prefabricated curb ramps conforming to Americans with Disabilities Act Accessibility Guidelines.

Furnish yellow detectable warning fields conforming to Americans with Disabilities Act Accessibility Guidelines. Use either an engineer-approved surface-applied type or cast iron from the department's approved products list.

C Construction

Provide and maintain temporary curb ramps, including detectable warning fields, throughout the project duration. Place and compact a dense graded aggregate foundation before placing the curb ramp, unless the curb ramp is to be placed on existing roadway surface.

Remove and dispose temporary curb ramps and associated detectable warning fields when no longer required.

D Measurement

The department will measure temporary curb ramps by each individual ramp, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
644.1601.S	Temporary Curb Ramp	EACH

Payment is full compensation for providing, maintaining, and removing temporary curb ramps.

stp-644-020 (20150630)

34. Temporary Pedestrian Safety Fence, Item 644.1616.S.

A Description

This special provision describes providing, maintaining, and removing the temporary pedestrian safety fence.

B Materials

Furnish notched metal "T" or "U" shaped fence posts weighing 1 1/3 pounds per foot or more.

Furnish select 2x4 dimensional lumber.

Furnish fence fabric meeting the following requirements.

Color:	International orange (UV stabilized)
Roll Height:	4 feet
Mesh Opening:	1 inch min to 3 inch max
Resin/Construction:	High density polyethylene mesh
Tensile Yield:	Avg. 2000 lb per 4-ft. width (ASTM D638)
Ultimate Tensile Strength:	Avg. 3000 lb per 4-ft. width (ASTM D638)
Elongation at Break (%):	Greater than 100% (ASTM D638)
Chemical Resistance:	Inert to most chemicals and acids

The engineer may allow prefabricated fencing systems conforming to Americans with Disabilities Act Accessibility Guidelines.

C Construction

Provide a continuous safety fence with the top edge free of sharp or rough edges.

Repair or reconstruct installations disturbed during construction operations. Remove and dispose of as specified in standard spec 204.3 when no longer required.

D Measurement

The department will measure Temporary Pedestrian Safety Fence by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
644.1616.S	Temporary Pedestrian Safety Fence	LF

Payment is full compensation for providing, maintaining, and removing the temporary pedestrian safety fence.

stp-644-025 (20150630)

35. Traffic Signals, General.

Perform all traffic signal work according to the plans and execute as specified in the standard specifications, standard spec 651 through 670, and these special provisions.

Work items will be considered incidental to construction if not specifically listed on the unit price schedule, including, but not limited to removal of existing conduit and pull boxes that are not being salvaged or reused.

Traffic signal wire and street lighting wire should not be placed in the same conduit, except for streetlights with power supplied by the traffic signal cabinet as indicated on the plans.

All underground conduit and concrete base forms to be inspected by the engineer before any trench is backfilled or concrete is poured. Any work completed without such inspection is subject to rejection as unacceptable work and shall be immediately removed and replaced or otherwise satisfactorily corrected by and at the expense of the contractor. It is the contractor's responsibility to arrange for inspection. There will not be any additional compensation to the contractor for delays and inconveniences associated with arranging and waiting for inspections.

Note that failure to comply with the standards and specifications may result in the cost of the corrections to be made at the contractor's expense.

36. General Requirement for Electrical.

The approved products list is located at:

https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/tools/appr-prod/default.aspx

37. Install Conduit Into Existing Item, Item 652.0700.S.

A Description

This special provision describes installing proposed conduit into an existing manhole, pull box, junction box, communication vault, or other structure.

B Materials

Use Conduit Rigid Nonmetallic Schedule 40 (Size) or Conduit Loop Detector, as provided and paid for under other items in this contract. Furnish backfill material, topsoil, fertilizer, seed, and mulch conforming to the standard spec.

C Construction

Expose the outside of the existing structure without disturbing existing conduits or cabling. Drill the appropriate sized hole for entering conduits at a location within the structure without disturbing the existing cabling and without hindering the installation of new cabling within the installed conduit. Fill void area between the drilled hole and conduit with an engineer-approved filling material to protect against conduit movement and entry of fill material into the structure. Tamp backfill into place.

D Measurement

The department will measure Install Conduit Into Existing System by the unit, acceptably installed. Up to five conduits entering a structure per entry point into the existing structure will be considered a single unit. Conduits in excess of five, or conduits entering at significantly different entry points into the existing pull box, manhole, or junction box will constitute multiple units of payment.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
652.0700.S	Install Conduit Into Existing Item	EACH

Payment is full compensation for excavating, drilling holes; furnishing and installing all materials, including bricks, coarse aggregate, sand, bedding, and backfill; for excavating and backfilling; and for furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; and for making inspections.

stp-652-070 (20100709)

38. Seismograph, Item 999.1000.S.

A Description

This special provision describes furnishing seismographs and employing trained operators to monitor construction-induced vibrations on buildings/structures, and submittal of all required documentation.

B Material

Use seismographs conforming to Wisconsin Department of Safety and Professional Services (SPS) 307.43, Wisconsin Administrative Code that are continuous data recorders supplied with all the accessories necessary for making vibration and noise monitoring observations.

C Construction

Conduct monitoring procedures conforming to SPS 307.44 and as follows: Take seismograph readings before construction activities to establish an ambient or background index.

During construction, place seismographs to monitor all vibration-inducing construction activities or as the engineer directs. At a minimum utilize one seismograph. If more than one major construction activity per day is taking place, multiple seismographs may be required. Place seismographs on a stable surface within 3 feet of the building/structure nearest to the construction operation. Provide data recorded for each vibration occurrence to the engineer which includes the following:

1. Identification of vibration monitoring instrument used.
2. Description of equipment used by the contractor.
3. Name of qualified observer and interpreter.
4. Distance and direction of recording station from the vibration area.
5. Type of ground at recording station and material on which the instrument is sitting.
6. Peak particle velocity and principal frequency in each component.
7. A dated and signed copy of records of seismograph readings.
8. A comparison of measured seismograph readings to maximum allowable readings identified in SPS 307.43 or as specified in this special provision.

If construction activities generate ground vibration in excess of the peak particle velocity limits as shown in SPS 307.44, stop the construction operation in progress and implement alternate construction methods to produce results within the allowable peak particle velocity limits.

D Measurement

The department will measure Seismograph as a single complete lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
999.1000.S	Seismograph	LS

Payment is full compensation for furnishing and operating seismographs, operators, and for producing documentation reports

stp-999-005 (20161130)

39. Crack and Damage Survey, Item 999.1500.S.

A Description

This special provision describes conducting a crack and damage survey of the residences and business located at 15, 20, 21, 25, 27, 29 W. Milwaukee Street and 1 and 20 E. Milwaukee Street.

This Crack and Damage Survey shall consist of two parts. The first part, performed before construction activities, shall include a visual inspection, digital images, and a written report describing the existing defects in the building(s) being inspected. The second part, performed after the construction activities, shall also include a visual inspection, digital images, and written report describing any change in the building's condition.

B (Vacant)

C Construction

Before any construction activities, thoroughly inspect the building structures for existing defects, including interior and exterior walls. Electronically submit a written report with the inspector's name, date of inspection, descriptions and locations of defects, and digital images. The intent of the written report and digital images is to procure a record of the general physical condition of the building's interior and exterior walls and foundation.

Use a digital camera capable of producing sharp, grain free, high-contrast colored digital images with good shadow details. Label each digital image with the following information:

ID: _____
Building Location: _____
View looking: _____
Date: _____
Photographer: _____

Before the start of any construction activities related to this survey, submit a copy of the written report and digital images to the engineer electronically.

After the construction activities are complete, conduct another survey in the same manner, take digital images, and submit another written report to the engineer electronically.

Instead of digital images, a digital video camera capable of producing sharp, high contrast, colored digital video with good shadow detail may be used to perform this work.

D Measurement

The department will measure Crack and Damage Survey as single complete lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
999.1500.S	Crack and Damage Survey	LS

Payment is full compensation for providing the before and after written reports, and for photographs or video.

stp-999-010 (20170615)

40. Manholes 8x8-FT Special, Item SPV.0060.01.

The work under this item shall be according to standard spec 611 and as detailed in the plans.

Construct Manholes 8x8-FT Special in the same fashion as a Manhole 6x6-FT with an interior width of 8 feet.

41. Manhole Cover Type Special Logo, Item SPV.0060.02.

A Description

This special provision describes furnishing and installing logo manhole covers.

B Materials

Furnish manhole covers in accordance of standard spec 611.2 and the plan details. Furnish Neenah Foundry R-1710-NR frames with N1090-1093 covers.

C Construction

Install manhole covers according to standard spec 611.3.

D Measurement

The department will measure Manhole Cover Type Special Logo by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.02	Manhole Cover Type Special Logo	EACH

Payment is full compensation for furnishing new covers, including frames, grates, curb plates and all other required materials; and for installing and adjusting each cover.

42. Inlet Cover Type H Special Logo, Item SPV.0060.03; Inlet Cover Type H Special Logo LP, Item SPV.0060.04.

A Description

This special provision describes furnishing and installing city specific inlets with logo covers.

B Materials

Furnish inlet covers according to standard spec 611 and the plan details.

Furnish Neenah Foundry R-3067 inlet castings with Type V grate and Enviro Notice Plate 3000-D for Inlet Cover Type H Special Logo.

Furnish Neenah Foundry R-3067 inlet castings with Type VR grate and Enviro Notice Plate 3000-D for Inlet Cover Type H Special Logo LP.

C Construction

Install inlet covers according to standard spec 611.3.

D Measurement

The department will measure Inlet Cover Type H Special Logo and Inlet Cover Type H Special Logo LP by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.03	Inlet Cover Type H Special Logo	EACH
SPV.0060.04	Inlet Cover Type H Special Logo LP	EACH

Payment is full compensation for furnishing new covers, including frames, grates, curb plates and all other required materials; and for installing and adjusting each cover.

43. Utility Line Opening (ULO), Item SPV.0060.05.

A Description

This special provision describes performing the necessary excavation to uncover utilities for the purpose of determining elevation and potential conflicts with proposed storm sewer or other work, as shown on the plans or as directed by the engineer.

B (Vacant)

C Construction

Perform the excavation in such a manner that the utility in question is not damaged and the safety of the workers or area is not compromised.

Perform the utility line openings as soon as possible and at least 10 days in advance of proposed utility construction to allow any conflicts to be resolved with minimal disruption. Prior to ordering structures, perform ULO's. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening is called for. In these cases, a single utility line opening will be considered full payment to locate multiple utilities. Utility line openings include a trench up to 10 feet long as measured at the trench bottom, and of any depth required to locate the intended utility.

Obtain prior approval for all utility line openings from the engineer and coordinate all ULOs with the engineer. Notify the utility engineers on their agents of this work a minimum of three days prior to the work so they may be present when the work is completed. Verify the need for performing ULO's as shown on the plans, since some of the utilities may have been or will be relocated prior to the start of construction.

D Measurement

The department will measure Utility Line Opening (ULO) by each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.05	Utility Line Opening (ULO	EACH

Payment is full compensation for the excavation required to expose the utility line; backfilling with existing material removed from the excavation; compacting the backfill material; restoring the site; and for cleanup.

Existing pavement, concrete curb, gutter, and sidewalk removals necessary to facilitate utility line openings shall not be considered part of or paid for under Utility Line Openings, but are considered separate and measured and paid for separately as removal items. Replacement pavement, concrete curb, gutter, and sidewalk items shall also be considered separate from Utility Line Openings and will be measured and paid for separately.

44. Concrete Base Type 3 Special, Item SPV.0060.06.

A Description

This special provision describes constructing concrete foundations, including necessary hardware, as shown on the plans, according to standard spec 654, and as hereinafter provided.

B Materials

Furnish grade A, A-WR, A-FA, or A-IP concrete masonry conforming to the requirements of standard spec 501.2 asp modified in standard spec 716. Provide QMP for class III ancillary concrete as specified in standard spec 716.

Conduit cast within the bases shall be Schedule 40 polyvinyl chloride (PVC) electrical conduit and shall conform to the requirements of standard spec 652.

Furnish anchor bolts made from high-strength steel (50 ksi minimum yield strength), ASTM A36, and fit each with two hard washers and two heavy hex nuts. Each bolt shall have approximately six (6) inches or more of thread at the top end. The bolts, washers, and nuts shall be galvanized. Furnish 1-inch by 40-inch bolts, including a 4 inch L-bend at the bottom.

Furnish bar steel reinforcement conforming to the requirements of standard spec 505.

C Construction

Construct the bases with the anchor bolts parallel to the centerline of the street.

Forms shall be of sufficient depth to provide a minimum of 12 inches of formed base below the finished grade on the low side of the base. The top surface of the base shall be level with a ¾-inch bevel on the edges and shall be given a rubbed finish.

Cast anchor bolts into the base as shown on the plans. Verify the bolt circle diameters before constructing the bases.

Furnish and install manufactured elbows in all bases, except as noted on the details. Install elbows to permit installation of conduit in as nearly straight-line runs as possible, without unnecessary bends. Bases not installed to this standard will not be accepted. Extend existing conduit into the bases. Elbows shall conform to the requirements of the type of conduit entering the base. Install an extra elbow in each base at the end of a run as directed by the engineer. Install extra elbows in any base as directed by the engineer.

Install non-shrink grout between pole and concrete base to properly seal.

Do not erect poles on the concrete bases until the bases have cured for at least seven days.

All concrete bases require a rubbed finish down to finished grade.

D Measurement

The department will measure Concrete Base Type 3 Special by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.06	Concrete Base Type 3 Special	EACH

Payment is full compensation for furnishing and installing all materials including conduit, bushings, caps and/or plugs, ground rod, anchor bolts, cadwelding, copper grounding wire; furnishing and installing bar steel reinforcement and concrete masonry; for providing openings through existing pavement where required; for excavation, including hand-digging as required, backfill, and disposal of surplus materials.

45. Concrete Base Type 5 Special, Item SPV.0060.07.

The work under this item shall be according to standard spec 654 and as detailed in the plans.

46. Remove and Salvage Light Pole Assembly, Item SPV.0060.08.

A Description

This special provision describes removing and salvaging the light pole assembly.

B (Vacant)

C Construction

Carefully remove the existing light pole assembly and disassemble of all materials outside of the right-of-way according to standard spec 204. Store the light pole assembly items off the project site for City of Janesville pickup. Contact Matt Gosline, City of Janesville Electric, at (608) 751-5200 at least three working days prior to removal.

D Measurement

The department will measure Remove and Salvage Light Pole Assembly by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.08	Remove and Salvage Light Pole Assembly	EACH

Payment is full compensation for disassembling, removing, including disposal of all materials and storage.

47. Decorative Mast Arm Lighting Unit, Item SPV.0060.09.

A Description

This special provision describes furnishing and installing a roadway light pole, mast arm, luminaire and outdoor surface mounted outlet according to standard spec 651 through 660, as shown on the plans, and as approved by the engineer.

B Materials

Furnish the following pole: Ameron #6B1-29 with overall length of 29 feet 1 inch. Finish shall be Ameron standard color #37, Uncoated Black & White.

Furnish the following mast arm: Ameron #CZ-6' with Ameron Oct Cap w/ Finial top mount cap. Finish shall be Black Powder Coat.

Furnish the following luminaire: Sternberg Libertyville 1A/1914LED/RLM 431/3L40T3/MDL06/A/HSHB/R1/BKT with multi-tap ballast, borosilicate glass, and photocell. Finish shall be black.

Furnish the following outdoor surface mounted outlet:

Tamper-Resistant and Weather-Resistant In-use GFI Convenience Receptacles: Square face, 125V, 20A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, and UL 498. The outlet cover and box shall be stainless steel metal and powder coated gray.

The outlet shall comply with NFPA 70, "Receptacles, Cord Connectors, and Attachment Plugs (Caps)" Article, "Tamper-Resistant Receptacles in Dwelling Units" Section, when installed in wet and damp locations.

Outlet shall be manufactured by Cooper TWRBR15, Hubbell DR15TR, Leviton TRW15, or Pass & Seymour TRW26252, or approved equal.

C Construction

Install according to standard spec 651 through 660 and the manufacturer's recommendations. Manufacturer to supply standard anchor bolts for installation.

The outdoor surface mounted outlet shall be mounted to the outside of the concrete pole. The outlets shall be mounted at approximately the same height as the pedestrian light poles. The final outlet location will need to be adjusted for those that have signal equipment mounted to them. Prior to installation of the outlet, contact Matt Gosline, City of Janesville Electric, at (608) 751-5200 to confirm the final outlet location. Provide a one week notice prior to installing the outlets.

The outlets shall be on a separate circuit than street lights and/or traffic signal equipment.

D Measurement

The department will measure Decorative Mast Arm Lighting Unit by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.09	Decorative Mast Arm Lighting Unit	EACH

Payment is full compensation for furnishing and installing a light pole; luminare, mast arm and outdoor surface mounted outlet.

48. Decorative Pole Top Lighting Unit, Item SPV.0060.10.

A Description

This special provision describes furnishing and installing a roadway light pole, mast arm, luminaire and outdoor surface mounted outlet according to standard spec 651 through 660, as shown on the plans, and as approved by the engineer

B Materials

Furnish the following pole: Sternberg Augusta 4210FP5-GFI LPIUC-BK for the roadway unit. The Decorative Pole Top Lighting Unit will have an overall length of 10 feet.

Furnish the following luminaire: Lumecon LROF-1-1-NW-A-B-8-DS-1-X-B-X-X-X.

Furnish the following outdoor surface mounted outlet:

Tamper-Resistant and Weather-Resistant In-use GFI Convenience Receptacles: Square face, 125V, 20A; comply with NEMA WD 1, NEMA WD 6 Configuration 5-15R, and UL 498. The outlet cover and box shall be stainless steel metal and powder coated black.

The outlet shall comply with NFPA 70, “Receptacles, Cord Connectors, and Attachment Plugs (Caps)” Article, “Tramper-Resistant Receptacles in Dwelling Units” Section, when installed in wet and damp locations.

Outlet shall be manufactured by Cooper TWRBR15, Hubbell DR15TR, Leviton TRW15, or Pass & Seymour TRW26252, or approved equal.

C Construction

Install according to standard spec 651 through 660 and the manufacturer’s recommendations.

D Measurement

The department will measure Decorative Pole Top Lighting Unit by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Decorative Pole Top Lighting Unit	EACH

Payment is full compensation for furnishing and installing the luminaire.

49. Tree Grate, Item SPV.0060.11.

A Description

This special provision describes furnishing and installing tree grates as shown on the plans, details, and as herein provided.

B Materials

Furnish the following Tree Grate: Neenah Foundry, NF-88150010 Tree Grate with 18" opening.

C Construction

Install tree grates according to manufacturer’s instructions and as shown on the details to provide installation on a true, flat plane.

Support the center of the tree grate for those that do not have trees to prevent them from being broken. Unsupported grates broken before tree planting occurs shall be the responsibility of the contractor to replace.

D Measurement

The department will measure Tree Grates by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.11	Tree Grate	EACH

Payment is full compensation for furnishing and installation of tree grates.

50. Root Pruning Existing Terrace Trees, Item SPV.0060.12.

A Description

This special provision describes pruning roots of existing terrace trees by hand or using a mechanical root cutting machine to allow for excavation; storm sewer and paving and curb and gutter operations.

B (Vacant)

C Construction

Preserve existing terrace trees not shown as being removed on the plans. Prune roots of existing terrace trees by hand or using a mechanical root cutting machine to allow for adjacent construction operations. Prune roots along the roadway side of the tree from drip edge to drip edge of the tree. Prune roots in the terrace from the back of curb and gutter to the face of sidewalk in areas of proposed sanitary and water

utility lateral installations a minimum of 6 feet from the centerline the proposed utility trench. Roots shall not be pruned closer than 15 inches to any existing tree.

Cleanly cut roots by hand or by using a sharp clean carbide tipped rotary saw blade. If using a saw, disinfect the blade between cuts to avoid spreading disease. All root cuts shall be made smooth and clean to facilitate root regeneration. Tearing or ripping of roots is not acceptable. Removal of roots using a backhoe or endloader without proper root pruning is not acceptable.

Cover exposed tree roots with mulch and keep moist until backfilling is completed.

Backfilling of the area after removal of the roots shall be performed by the contractor as part of this item according to the pertinent provisions of standard spec 207. Backfilling shall be done by use of hand implements within the dripline of terrace trees.

Dispose of tree roots according to standard spec 201. Burning or burying of roots will not be permitted.

Do not conduct root pruning during bud break, shoot growth, or environmentally stressful times such as extreme drought or heat conditions.

D Measurement

The department will measure Root Pruning Existing Terrace Trees as each individual tree, acceptably root pruned according to the contract.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Root Pruning Existing Terrace Trees	EACH

Payment is full compensation for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

51. Remove, Salvage and Reinstall Trash Receptacle, Item SPV.0060.13.

A Description

This special provision describes removing salvaging and reinstalling a trash receptacle as shown on the plans and details.

B Materials

Provide new anchor bolts that are compatible with a Victor Stanley Ironsites Series trash receptacle.

C Construction

Remove the trash receptacle from the location shown on the plans and store until final location is cleared of construction activity. Install trash receptacle per manufacturer’s recommendations for a Victor Stanley Ironsites Series trash receptacle. Shim benches to maintain level. Shims shall be powder coated steel, black in color.

Do not locate anchor bolts until trash receptacle is in place and approved by the engineer.

Damage to the trash receptacle that occurs during removal, storage or reinstallation shall be fixed or replaced at the contractor’s expense.

D Measurement

The department will measure Remove, Salvage and Reinstall Trash Receptacle by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.13	Remove, Salvage and Reinstall Trash Receptacle	EACH

Payment is full compensation for furnishing and installing all materials necessary to completely remove and install the bench; for storing, furnishing and installing hardware, and connectors; for performing all mounting, leveling, and for proper disposing of surplus material and restoration.

52. Remove, Salvage and Reinstall Bench, 6-Foot, Backed, Item SPV.0060.14.

A Description

This special provision describes removing, salvaging and reinstalling a bench as shown on the plans and details.

B Materials

Provide new anchor bolts that are compatible with a Victor Stanley Classic Series Bench, Model CR-96, 6-foot.

C Construction

Remove the bench from the location shown on the plans and store until final location is cleared of construction activity. Install new benches per manufacturer's recommendations for a Victor Stanley (Dunkirk, MD 1-800-368-2573) Classic Series Bench, Model CR-96, 6-foot. Shim benches to maintain level. Shims shall be powder coated steel, black in color.

Do not locate anchor bolts until bench is in place and approved by the engineer.

Damage to the bench that occurs during removal, storage or reinstallation shall be fixed or replaced at the contractors expense.

D Measurement

The department will measure Remove, Salvage and Reinstall Bench, 6-Foot, Backed by each individual unit acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.14	Remove, Salvage and Reinstall Bench, 6-Foot, Backed	EACH

Payment is full compensation for furnishing and installing all materials necessary to completely remove and install the bench; for storing, furnishing and installing hardware, and connectors; for performing all mounting, leveling, and for proper disposing of surplus material and restoration.

53. Bicycle Rack, Item SPV.0060.15.

A Description

This special provision describes furnishing and installing custom manufactured bicycle racks as shown on the plans and details.

B Materials

Bicycle Racks shall conform to style and material shown in the plan detail. Provide Madrax (Waunakee, WI, phone 1 (800) 448-7931) 'U' Bicycle Rack with Custom Janesville Lean Bar.

Bicycle Racks shall be finished with a 'Mad Shield' Finish, a two-part finish including galvanizing then powder coating with a triglycidyl isocyanurate (TGIC) polyester powder coat; Color: Black; Attachment: Surface mounted.

C Construction

Install Bicycle Racks in the locations shown on the plan per manufacturer's recommendation for surface mounting. Anchor Bicycle Racks onto concrete sidewalk per manufacturer's recommendations. Shim Bicycle Racks to maintain level. Shims shall be powder coated steel, black in color.

Do not locate anchor bolts until bike rack is in place and approved by the engineer.

Deliver products to site in manufacturer's original, unopened containers and packaging. Upon delivery, examine packages immediately to ensure all products are complete and undamaged.

Protect product's finish from damage during handling and installation.

D Measurement

The department will measure Bike Rack by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.15	Bicycle Rack	EACH

Payment is full compensation for furnishing and installing all materials necessary to completely install the Bicycle Rack; furnishing and installing hardware, and connectors; for performing all mounting, leveling, and for proper disposing of surplus material and restoration.

54. Trash Receptacle, Item SPV.0060.16.

A Description

This special provision describes furnishing and installing new Trash Receptacles as shown on the plans and details.

B Materials

New Trash Receptacle shall conform to style and material shown in the plan detail. Provide Victor Stanley (Dunkirk, MD, phone 1 (800) 368-2573) Ironsites Series, Model S-42; 36 gallon; S-2 formed dome lid.

Fishish new Trash Receptacles with a triglycidyl isocyanurate (TGIC) polyester powder coat; Color: VS Black; Attachment: Surface mounted.

C Construction

Install new Trash Receptacles in the locations shown on the plan per manufacturer's recommendation for surface mounting. Anchor Trash Receptacles onto concrete sidewalk per manufacturer's recommendations. Shim Trash Receptacles to maintain level. Shims shall be powder coated steel, black in color.

Do not locate anchor bolts until trash receptacle is in place and approved by the engineer.

Deliver products to site in manufacturer's original, unopened containers and packaging. Upon delivery, examine packages immediately to ensure all products are complete and undamaged.

Protect product's finish from damage during handling and installation.

D Measurement

The department will measure Trash Receptacle by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.16	Trash Receptacle	EACH

Payment is full compensation for furnishing and installing all materials necessary to completely install the Trash Receptacle; furnishing and installing hardware, and connectors; for performing all mounting, leveling, and for proper disposing of surplus material and restoration.

55. Bench, 6-Foot, Backless, Item SPV.0060.17.

A Description

This special provision describes furnishing and installing new benches as shown on the plans and details.

B Materials

New Benches shall conform to style and material shown in the plan detail. Provide Victor Stanley (Dunkirk, MD, phone 1 (800) 368-2573) Classic Series Bench, Model CR-296, 6-foot.

Finnish new benches with a triglycidyl isocyanurate (TGIC) polyester powder coat; Color: VS Black;

Attachment: Surface mounted. Bench, 6-Foot, Backless will be without end arms.

C Construction

Install new benches per manufacturer's recommendations. Anchor bench's rear and front legs into concrete per manufacturer's recommendation and as detailed. Shim benches to maintain level. Shims shall be powder coated steel, black in color.

Do not locate anchor bolts until bench is in place and approved by the engineer.

Deliver products to site in manufacturer's original, unopened containers and packaging. Upon delivery, examine packages immediately to ensure all products are complete and undamaged.

Protect product's finish from damage during handling and installation.

D Measurement

The department will measure Bench, 6-Foot, Backless by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.17	Bench, 6-Foot, Backless	EACH

Payment is full compensation for furnishing and installing all materials necessary to completely install the bench; furnishing and installing hardware, and connectors; for performing all mounting, leveling, and for proper disposing of surplus material and restoration.

56. Perennials, Daylily, Happy Returns, CG, #1, Item SPV.0060.18; Perennials, Aster, Purple Dome, CG, #1, Item SPV.0060.19; Perennials, Lilyturf, CG, #SP04, Item SPV.0060.20.

A Description

This special provision describes furnishing and installing perennial plants at the locations shown on the plans and according to the requirements of standard spec 632, the plans, and as hereinafter provided.

B Materials

Furnish perennial plants, as shown on plan, and complying with American Standard for Nursery Stock (ANSI Z60.1-2004) for type, shape, and height.

All plants shall be grown within the states of Wisconsin, Minnesota, Michigan, or parts of northern Illinois, Indiana or Ohio located within Zone 5 of the "Plant Hardiness Zone Map" produced by the United States Department of Agriculture, Miscellaneous Publication No. 1475, issued January 1990, unless otherwise approved by the engineer.

A list of sources for plants shall be furnished according to standard spec 632.2.2.8 before planting begins for fall-planted plants and before March 15 for spring-planted plants. Contact Matt McGrath, City of Janesville, (608) 755-3165, to coordinate with City of Janesville Parks Division a minimum of five days prior to planting to inspect nursery stock. The City of Janesville and the engineer will approve plantings prior to installation.

Provide planting mixture as backfill material according to standard spec 632.2.3.4.

Provide type B fertilizer.

C Construction

Ensure that planting mixture has been placed according to specifications and shown in the plans.

Stake out location of plantings for approval by the engineer.

Ensure that the bottom of the hole is adequately compacted to guard against settling. Tamp or water in as necessary to create a condition by which plants will not settle in the planting beds. The bottom of the root ball shall be in direct contact with the bottom of the hole.

Install perennial plants, mulching as shown on the plan and as per the standard specifications.

D Measurement

The department will measure Perennials (Type, Root, Size) by the each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.18	Perennials, Daylily, Happy Returns, CG, #1	EACH
SPV.0060.19	Perennials, Aster, Purple Dome, CG, #1	EACH
SPV.0060.20	Perennials, Lilyturf, CG, #SP04	EACH

Payment is full compensation for providing, transporting, handling, storing, pruning, placing, and replacing plant materials and planting mixture; for excavating all plant holes, mixing, and backfilling; for providing and applying all required fertilizer, weed barrier fabric, water, herbicides and anti-desiccant spray; and for disposing of all excess and waste materials.

57. Bulbs, Daffodil, Mixed, Item SPV.0060.21.

A Description

This special provision describes furnishing and installing naturalizing daffodil bulbs at the locations shown on the plans and according to the requirements of standard spec 632, the plans, and as hereinafter provided.

B Materials

Furnish 'Spring Loaded' Daffodil Naturalizing Mix by Colorblends, 'Narcissus Grand Mixture' Naturalizing Daffodil Mixture by Van Engelen, Inc, 'Scheepers Gold medal Narcissus Mixture by John Sheepers, Inc., or approved equal. Bulb naturalizing mix shall include a variety of at least 12 different naturalizing daffodils that provide a succession of blooming time from early to late spring, lasting 5-6 weeks. Bulb sizes shall be a minimum of 16-cm and shall conform to the current edition of the American Standards for Nursery Stock.

Bulbs shall be insect and disease free and originate from a nursery specializing in bulb production. Bulbs shall be firm, heavy and free of deep blemishes, cuts, soft spots and have firm, solid basil plates.

Provide planting mixture as backfill material according to standard spec 632.2.3.4.

Provide type B fertilizer.

C Construction

Ensure that planting mixture has been placed according to specifications.

Stake out location of plantings for approval by the engineer.

Install bulbs as shown on the plans and details. Plant bulbs in naturalized patterns amongst perennial plantings, no closer than 6" to the center of perennials. Bulbs shall be planted to depth of 2-3 times the diameter of the bulb, or as specified by the manufacture. Planting shall occur after August 1st. Plant bulbs such that their basal plates face downward, then cover with excavated soil. Plant bulbs with minimal disturbance to surrounding plant material.

D Measurement

The department will measure Bulbs, Daffodil, Mixed by each unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.21	Bulbs, Daffodil, Mixed	EACH

Payment is full compensation for providing all materials necessary to completely install each bulb; replacing plant materials and providing planting mixture; for excavating all bulb holes, mixing, and backfilling; for providing and applying all required fertilizer, weed barrier fabric, water, herbicides and anti-desiccant spray; and for disposing of all excess and waste materials.

58. Sidewalk Cover Plate, Item SPV.0060.22.

A Description

This special provision describes furnishing and installing a cover plate and all associated hardware for the boardwalk-to-bridge connection at the southwest corner of the bridge as shown on the plans and as hereinafter provided.

B Materials

Furnish materials as shown on the plans.

C (Vacant)

D Measurement

The department will measure Sidewalk Cover Plate by each individual unit, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.22	Sidewalk Cover Plate	EACH

Payment is full compensation for furnishing and installing the cover plate, including all associated hardware.

59. Concrete Planter Curb Special, Item SPV.0090.01.

Construct concrete curb as detailed in the plan and according to standard spec 601.

The planter curb shall have a rubbed surface finish per standard spec 502.3.7.3.

60. Concrete Curb & Gutter 30-Inch Type K Special, Item SPV.0090.02; Concrete Curb & Gutter 24-Inch Type L Special, Item SPV.0090.03.

Construct concrete curb and gutter as detailed in the plan and according to standard spec 601.

61. Concrete Gutter 36-Inch Special, Item SPV.0090.04.

Construct concrete curb and gutter as detailed in the plan and according to standard spec 601.

62. Metal Decorative Handrail, Item SPV.0090.05; Metal Decorative Guardrail, Item SPV.0090.06.

A Description

This special provision describes furnishing, fabricating, galvanizing, painting and installing railing according to standard spec 506, 513 and 517 and the plan details, as directed by the engineer, and as hereinafter provided and installing a metal decorative guardrail for pedestrians as the plans show.

B Materials

All materials for railing shall be new stock, free from defects impairing strength, durability and appearance. Railing assemblies shall be galvanized and receive a two-coat paint system. Bubbles, blisters and flaking in the coating will be a basis for rejection.

B1 Coating System

B1.1 Galvanizing

After fabrication, blast clean steel railing assemblies per SSPC-SP6 and galvanize according to ASTM A123. Vent holes shall be drilled in members as required to facilitate galvanizing and drainage. Location and size of vent holes are to be shown on the shop drawings. All burrs at component edges, corners and at holes shall be removed and sharp edges chamfered before galvanizing. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed according to AASHTO M 160 prior to blast cleaning. Lumps, projections, globules, or heavy deposits of galvanizing, which will provide surface conditions that when painted, will produce unacceptable aesthetic and/or visual qualities, will not be permitted.

B1.2 Two-Coat Paint System

After galvanizing, paint all exterior surfaces of steel railing assemblies and inside of rail elements at field erection and expansion joints as hereinafter provided. All galvanized surfaces to be painted shall be cleaned per SSPC-SP1 to remove chlorides, sulfates, zinc salts, oil, dirt, organic matter and other contaminants. The cleaned surface shall then be brush blast cleaned per SSPC-SP16 to create a slight angular surface profile per manufacturer's recommendation for adhesion of the tie coat. Blasting shall not fracture the galvanized finish or remove any dry film thickness. After cleaning, apply a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface, per manufacturer's recommendations. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat per manufacturer's recommendations, matching the specified color shown on the plans. Use a preapproved top coat that is resistant to the effects of the sun and is suitable for a marine environment. The tie and top coats should be of contrasting colors, and come from the same manufacturer.

Ensure that the paint manufacturer reviews the process to be used for surface preparation and application of the paint coating system with the paint applier. The review shall include a visit to the facility performing the work if requested by the paint manufacturer. Provide written confirmation, from the paint manufacturer to the engineer, that the review has taken place and that issues raised have been addressed before beginning coating work under the contract.

Use one of the qualified paint manufacturers and products given below or approved equal.

Manufacturer	Coat	Products	Dry Film Minimum Thickness(mils)	Min. Time[1] Between Coats (hours)
Sherwin Williams 1051 Perimeter Drive Suite 710 Schaumburg, IL 60173 (847) 330.1562	Tie	Recoatable Epoxy Primer B67-5 Series / B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline 350 Hanley Industrial St. Louis, MO 63144 (314) 644.1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Top	Carbothane 133 LH(satin)	4	NA
Wasser Corporation 4118 B Place NW Suite B Auburn, WA 98001 (253) 850.2967	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA

[1] Time is dependent on temperature and humidity. Contact manufacturer for more specific information

The finished color for the coating system will match Federal Color No. 27038 (Black).

C Construction

C1 Shop Drawings

Submit shop drawings to the engineer and Matt McGrath, City of Janesville, showing the details of railing construction. Show the railing dimensions, post spacing, rail location, weld sizes and locations necessary for the construction of the railing. Show location of shop rail splices, field erection joints and expansion joints. State the name of the paint manufacturer and the product name of the tie coat and top coat used along with the color. State the size and material type used for all components. Also show the size and location of any vent or drainage holes provided. Shop drawings and calculations shall be signed, sealed, and dated by a professional engineer licensed in the State of Wisconsin. Do not begin fabrication prior to shop drawing review and acceptance.

Provide the engineer and city with the name, address, and phone number of a representative of the rail fabricator for future coordination. Do not begin fabrication prior to shop drawing review and acceptance from both the engineer and the city.

Guardrails shall be a minimum of 42 inches high measured vertically above the leading edge of the tread or adjacent walking surface. The railings shall have balusters such that a 4 inch diameter sphere cannot pass through any opening up to a height of 34 inches. From a height of 34 inches to 42 inches above the adjacent walking surfaces, a sphere 8 inches in diameter shall not pass.

Handrails shall be provided, measured above stair tread nosings or finish surface not less than 34 inches and not more than 38 inches, and shall be uniform. Circular handrails shall have an outside diameter of at least 1.25 inches and not greater than 2 inches or shall provide equivalent graspability. Non-circular handrails shall have a perimeter dimension of at least 4 inches and not greater than 6.25 inches with a maximum cross-section dimension of 2.25 inches. Edges shall have a minimum radius of 0.125 inches. The clear space between the handrail and guard railing shall be a minimum of 1.5 inches.

Submit manufacturer's product data sheets substantiating compliance with the contract documents and installation manual.

C2 Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and conditions of materials is in conformance with these specifications. If the coating is damaged, repair or replace railing assemblies to the approval of the engineer at no additional cost. Carefully store the material off the ground to ensure proper ventilation and drainage. Exercise care so as not to damage the coated surface during railing installation. No field welding, field cutting or drilling will be permitted without the approval of the engineer.

C3 Touch-up and Repair

For minor damage caused by shipping, handling or installation to coated surfaces, touch-up the surface in conformance with the manufacturer's recommendations. If damage is excessive, the railing assembly shall be replaced at no additional cost. Provide the engineer with a copy of the manufacturer's recommended repair procedure and materials before repairing damaged coatings.

D Measurement

The department will measure Metal Decorative Handrail and Metal Decorative Guardrail in length by the linear foot along the top rail, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.05	Metal Decorative Handrail	LF
SPV.0090.06	Metal Decorative Guardrail	LF

Payment is full compensation for reinforcement, anchors, connections, steel railing, fabricating, painting, galvanizing, design, delivering, and installing.

63. Remove, Salvage and Reinstall Concrete Barrier, Item SPV.0090.07.

A Description

This special provision describes removing existing concrete barrier, storing and reinstallation. The temporary barrier has been left in place by the City of Janesville. The location of this temporary barrier is shown in the plans. The concrete barrier will remain in place at the end of the contract.

B Materials

The concrete barrier left in place by the City of Janesville is Concrete Barrier Temporary Precast per standard spec 603.

C Construction

Remove, maintain, store, and reinstall temporary barrier according to standard spec 603.

D Measurement

The department will measure Remove, Salvage and Reinstall Concrete Barrier by the linear feet of reinstallation, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.07	Remove, Salvage and Reinstall Concrete Barrier	LF

Payment is full compensation for initial removal, storing, moving, and final installation.

64. Remove and Salvage Concrete Barrier, Item SPV.0090.08.

A Description

This special provision describes removing existing concrete barrier and storing for pick up by the City of Janesville. The temporary barrier has been left in place by the City of Janesville. The location of this temporary barrier is shown in the plans.

B Materials

The concrete barrier left in place by the City of Janesville is Concrete Barrier Temporary Precast per standard spec 603.

C Construction

Remove the existing concrete barrier according to standard spec 204. Store the concrete barrier for City of Janesville pickup. Contact Matt McGrath at (608) 755-3165 at least three working days prior to removal to schedule pick up.

D Measurement

The department will measure Remove and Salvage Concrete Barrier by the linear feet of removal, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.08	Remove and Salvage Concrete Barrier	LF

Payment is full compensation for removal, moving, and storing.

65. Parapet Concrete Type 'TX', Item SPV.0090.09.

A Description

This special provision describes construction of a decorative concrete parapet according to standard spec 501, 502, and 505, as shown on the plans, and as hereinafter provided. The concrete mix used for this parapet shall include polypropylene fibers.

B Materials

The polypropylene fibers shall be engineered synthetic reinforcing fibers of 100% polypropylene collated fibers.

The physical properties of the fibers shall be as follows:

Specific Gravity:	0.91
Denier:	Less than 100
Modulus of Elasticity:	$0.5x10^6$ to $0.7x10^6$ psi
Tensile Strength:	70 to 110 ksi
Length:	1/2 to 2-1/2 inches

The polypropylene fiber manufacturer shall certify in writing that all polypropylene fibers are specifically manufactured for use in concrete from virgin polypropylene and the physical properties are within the limits specified above.

If the fiber manufacturer is other than the brand name listed on the literature and/or packaging, the certification must be from the original manufacturer of the polypropylene fibers.

The fiber length shall be determined by the manufacturer to be compatible with the concrete mix design.

C Construction

The polypropylene fiber manufacturer or authorized distributor shall provide the services of a qualified engineer or employee for a pre-construction meeting and initial job start up.

Use polypropylene fibers at the rate of one bag weighing 1.5 to 1.6 pounds per cubic yard of concrete. The fibers may be added with the fine and coarse aggregates or in the mixer after all ingredients have been blended and mixed according to manufacturer's recommendations.

D Measurement

The department will measure Parapet Concrete Type 'TX' by the linear foot of parapet, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.09	Parapet Concrete Type 'TX'	LF

Payment is full compensation for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the work.

66. Shovel Cut Edging, Item SPV.0090.10.

A Description

This special provision describes furnishing and installing a Shovel Cut Edging at the locations shown on the plans and as hereinafter provided.

B (Vacant)

C Construction

Install shovel cut edge at the perimeter of planting beds as indicated in the plans. Edge shall be manually or machine cut to a minimum depth of 8" and a width of 8". Fill shovel cut edge with shredded hardwood bark mulch and finish approximately 2" below adjacent lawn grades. Tamp shredded hardwood bark mulch lightly and add mulch, as necessary, such that the final level of the shredded hardwood bark mulch after compacting shall be level with adjacent lawn grades.

D Measurement

The department will measure Shovel Cut Edging by the linear foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.10	Shovel Cut Edging	LF

Payment is full compensation for furnishing all labor, tools, equipment, and incidentals necessary to complete the contract work. Payment for shredded hardwood bark mulch will be paid for under Bid Item Shredded Hardwood Bark Mulch.

67. Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & River St), Item SPV.0105.01.

A Description

This special provision describes removing existing traffic signal equipment at the intersection of Milwaukee Street and River Street, salvaging specific traffic signal equipment, and reinstalling equipment at the same intersection according to the provisions of standard spec 204, and 651 through 670, as shown on the plans and as hereinafter provided.

B (Vacant)

C Construction

Complete all work while maintaining existing signal control and operations during removal, salvaging, and reinstallation of existing traffic signal equipment.

All pull boxes, home run cable, traffic signal cable, electrical wire, and grounding conductor and bonding jumpers are intended to be reused in place except as noted in the plans and miscellaneous quantities. Removal or damage of any items not intended for replacement will be replaced at the contractor's expense.

Carefully remove the existing traffic signal pole assembly and disassemble of all materials outside of the right-of-way according to standard spec 204. Reinstall the west facing pedestrian indication on EXSB1. Reinstall the westbound three section signal head, south facing pedestrian indication and EVP detector head with confirmation light on LP-1.

Any items damaged during removal or reinstallation of the equipment will be replaced at the contractor's expense. Items removed that are intended to remain in place will be replaced at the contractor's expense.

Store the items not reinstalled from traffic signal light pole on the project site for City of Janesville pickup. Contact Matt McGrath at (608) 755-3165 at least three working days prior to removal.

D Measurement

The department will measure Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & River St) as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.01	Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & River St),	LS

Payment is full compensation for removing, salvaging, and reinstalling traffic signal equipment, confirming operations of reinstalled equipment, for storing salvaged equipment not reused, and for disposing of removed equipment that is not salvaged.

68. Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & Main St), Item SPV.0105.02.

A Description

This special provision describes removing existing traffic signal equipment at the intersection of Milwaukee Street and Main Street, salvaging specific traffic signal equipment, and reinstalling equipment at the same intersection according to the provisions of standard spec 204, and 651 through 670, as shown on the plans and as hereinafter provided.

B (Vacant)

C Construction

Complete all work while maintaining existing signal control and operations during removal, salvaging, and reinstallation of existing traffic signal equipment. No more than one signal head can be taken out of service at any given time.

All pull boxes, home run cable, traffic signal cable, electrical wire, and grounding conductor and bonding jumpers are intended to be reused in place except as noted in the plans and miscellaneous quantities. Removal or damage of any items not intended for replacement to be replaced at the contractor's expense.

Carefully remove the existing traffic signal light pole assembly and disassemble of all materials outside of the right-of-way according to standard spec 204. Reinstall the westbound three section signal head and EVP detector head with confirmation light on LP-19.

Any items damaged during removal or reinstallation of the equipment will be replaced at the contractor's expense. Items removed that are intended to remain in place will be replaced at the contractor's expense.

Store the items not reinstalled from traffic signal light pole on the project site for City of Janesville pickup. Contact Matt McGrath at 608-755-3165 at least three working days prior to removal.

D Measurement

The department will measure Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & Main St) as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Remove, Salvage, & Reinstall Traffic Signal Equipment (Milwaukee St & Main St),	LS

Payment is full compensation for removing, salvaging, and reinstalling traffic signal equipment, confirming operations of reinstalled equipment, for storing salvaged equipment not reused, and for disposing of removed equipment that is not salvaged.

69. Concrete Steps and Supports, Item SPV.0105.03.

A Description

This special provision describes the fabrication, galvanizing, painting, design and construction, delivery, erection and installation of concrete steps and supports according to the plans and as hereinafter provided.

B Materials

B.1 General

All materials used in the work shall conform to the pertinent requirements of the standard specifications and as hereinafter specified:

- Structural Steel: standard spec 506.2.2
- Steel Reinforcement: standard spec 505.2.5
- Welding Materials: standard spec 506.2.3.11
- Painting: standard spec 517.2 and 517.3
- Concrete standard spec 501, grade A, A-FA, A-S, A-T, A-IS or A-IP

Prior to fabrication, steel shall be blast cleaned per SSPC-SP 6 and galvanized according to ASTM A 123. All bolts, nuts and washers shall be supplied as factory galvanized according to ASTM A 153. Repair zinc coating damaged during fabrication as specified in standard spec 635.3.4. Grind the welded joints to a smooth finish.

Steel preparation includes the chamfering of sharp edges. All sharp edges shall be flattened by a single pass of a grinder or suitable device along the sharp edge. Condition any thermal cut edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed according to AASHTO M 160 prior to blast cleaning.

The stair case material and coating shall be according to the plans and standard specifications.

B.2 Structural Design

The structural design of the stair case system shall be according to the current edition of the following codes and manuals:

- Wisconsin Enrolled Commercial Building Code
- NAAMM AMP 510 – Metal Stairs Manual
- AWS D1.1 – Structural Welding Code – Steel
- ADAAG – Americans with Disabilities Act
- SSPC – Steel Structures Painting Council

Comply with applicable code requirements and the following criteria. In case of conflict, the more stringent requirements shall govern.

Provide stair treads and landing that have a slip-resistant surface. The construction of the stair treads and landing shall be such that water cannot accumulate on the walking surfaces. If the walking surfaces are pitched, the maximum slope for the landing and stair treads is 1.5%.

Stairs shall withstand the following structural loads without exceeding the allowable design working stress of materials, including anchors and connections. Apply each load to produce the maximum stress in each component:

- Treads and Platforms of Metal Stairs: Capable of withstanding a uniform load of 100 lb/sf and concentrated load of 300 lb applied on an area of 4 square inches. Concentrated and uniform loads need not be assumed to act concurrently.
- Stair Framing: Capable of withstanding stresses resulting from loads specified in addition to stresses resulting from railing system loads.
- Limit deflection of treads, platforms and framing members to L/240 or 1/4 inch, whichever is less.

B.3 Coating System

B.3.1 Galvanizing

After fabrication, blast clean steel railing assemblies per SSPC-SP6 and galvanize according to ASTM A123. Vent holes shall be drilled in members as required to facilitate galvanizing and drainage. Location and size of vent holes are to be shown on the shop drawings. All burrs at component edges, corners and at holes shall be removed and sharp edges chamfered before galvanizing. Condition any thermal cut

edges before blast cleaning by shallow grinding or other cleaning to remove any hardened surface layer. Remove all evident steel defects exposed according to AASHTO M 160 prior to blast cleaning. Lumps, projections, globules, or heavy deposits of galvanizing, which will provide surface conditions that when painted, will produce unacceptable aesthetic and/or visual qualities, will not be permitted.

B.3.2 Two-Coat Paint System

After galvanizing, paint all exterior surfaces of steel railing assemblies and inside of rail elements at field erection and expansion joints as hereinafter provided. All galvanized surfaces to be painted shall be cleaned per SSPC-SP1 to remove chlorides, sulfates, zinc salts, oil, dirt, organic matter and other contaminants. The cleaned surface shall then be brush blast cleaned per SSPC-SP16 to create a slight angular surface profile per manufacturer's recommendation for adhesion of the tie coat. Blasting shall not fracture the galvanized finish or remove any dry film thickness. After cleaning, apply a tie coat from an approved coating system that is specifically intended to be used on a galvanized surface, per manufacturer's recommendations. The tie coat shall etch the galvanized rail and prepare the surface for the top coat. Apply a top coat per manufacturer's recommendations, matching the specified color shown on the plans. Use a preapproved top coat that is resistant to the effects of the sun and is suitable for a marine environment. The tie and top coats should be of contrasting colors, and come from the same manufacturer.

Ensure that the paint manufacturer reviews the process to be used for surface preparation and application of the paint coating system with the paint applier. The review shall include a visit to the facility performing the work if requested by the paint manufacturer. Provide written confirmation, from the paint manufacturer to the engineer, that the review has taken place and that issues raised have been addressed before beginning coating work under the contract.

Use one of the qualified paint manufacturers and products given below or approved equal.

Manufacturer	Coat	Products	Dry Film Minimum Thickness(mils)	Min. Time[1] Between Coats (hours)
Sherwin Williams 1051 Perimeter Drive Suite 710 Schaumburg, IL 60173 847.330.1562	Tie	Recoatable Epoxy Primer B67-5 Series / B67V5	2.0 to 4.0	6
	Top	Acrolon 218 HS Polyurethane, B65-650	2.0 to 4.0	NA
Carboline 350 Hanley Industrial St. Louis, MO 63144 314.644.1000	Tie	Rustbond Penetrating Sealer FC	1	36
	Top	Carbothane 133 LH(satin)	4	NA
Wasser Corporation 4118 B Place NW Suite B Auburn, WA 98001 253.850.2967	Tie	MC-Ferrox B 100	3.0 to 5.0	8
	Top	MC-Luster 100	2.0 to 4.0	NA

[1] Time is dependent on temperature and humidity. Contact manufacturer for more specific information

The finished color for the coating system shall match Federal Color No. 27038 (Black).

C Construction

C1 Shop Drawings

Submit shop drawings to the engineer and Matt McGrath, City of Janesville, showing the details of concrete steps and support construction. Show the steps, landings, anchors, post spacing, supports, weld sizes and locations necessary for the construction of steps. Show location of anchors, shop splices, field erection joints and expansion joints. State the name of the paint manufacturer and the product name of the tie coat and top coat used along with the color. State the size and material type used for all components. Also show the size and location of any vent or drainage holes provided. Shop drawings and

calculations shall be signed, sealed, and dated by a professional engineer licensed in the State of Wisconsin. Do not begin fabrication prior to shop drawing review and acceptance by both the engineer and the city.

Submit manufacturer's product data sheets substantiating compliance with the contract documents and installation manual.

Provide the engineer and the city with the name, address, and phone number of a representative of the stair case fabricator for future coordination.

C2 Delivery, Storage and Handling

Deliver material to the site in an undamaged condition. Upon receipt at the job site, all materials shall be thoroughly inspected to ensure that no damage occurred during shipping or handling and conditions of materials is in conformance with these specifications. If the coating is damaged, repair or replace railing assemblies to the approval of the engineer at no additional cost. Carefully store the material off the ground to ensure proper ventilation and drainage. Exercise care so as not to damage the coated surface during railing installation. No field welding, field cutting or drilling will be permitted without the approval of the engineer.

C3 Touch-up and Repair

For minor damage caused by shipping, handling or installation to coated surfaces, touch-up the surface in conformance with the manufacturer’s recommendations. If damage is excessive, the railing assembly shall be replaced at no additional cost. Provide the engineer with a copy of the manufacturer’s recommended repair procedure and materials before repairing damaged coatings.

D Measurement

The department will measure Concrete Steps and Supports as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.03	Concrete Steps and Supports	LS

Payment is full compensation for fabricating, painting, galvanizing, design, delivering, installing and all incidental hardware; for preparing shop drawings.

70. Construction Access, Item SPV.0105.04.

A Description

This special provision describes furnishing and installing a Construction Access downstream of the project located in the City of Janesville owned parking lot along Water Street, between Milwaukee Street and Court Street, as shown on the plans, into the Rock River as necessary to complete the removal of the existing bridge and construction of Structure B-53-0294. Construct construction access according to the applicable provisions of the standard specifications and the environmental protection special provisions, as directed by the engineer, and as hereinafter provided.

Determine the limits and materials required for the Construction Access following these special provisions. Submit construction access plan, include removal and clean-up plans as part of the required erosion control implementation plan to be approved by WDNR. This area is available until June 1, 2019.

B Materials

Construction Access includes all necessary items to access the bridge areas or provide barge docking facilities from the southeast streambank, including timber mats, temporary structures, and supports within the active streambed, as well as any materials required to reach the in-stream construction access from the existing elevation of Milwaukee Street.

The use of a causeway is not permitted. If a temporary structure is utilized, the use of sheetpiling and clear stone is permitted for construction of the temporary pier. Minimize disturbance to the streambed bottom during removal of the temporary pier.

C (Vacant)

D Measurement

The department will measure Construction Access as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.04	Construction Access	LS

Payment is full compensation for any necessary permitting and approvals, excavation to shape the construction access outside of the existing streambed, furnishing, installing and removing all materials.

71. Removing Old Structure Over Waterway With Minimal Debris Station 14+54, Item SPV.0105.05.

The following work is included under the bid item for Removing Old Structure Over Waterway With Minimal Debris Station 14+54:

A. Removal of existing Structure P-53-0715 to the removal limits noted in the standard specifications, including removal of any parts of the structure that conflict with the new roadway or structure work. Removal of a portion of the west abutment as necessary to expose the location of any existing front-row piling that may be located within 2.5 feet from the location of a new pile, measured between the centers of both piles.

B. Extraction of any existing piles that are located less than 2.5 feet from the location of a new pile, measured between the centers of both piles.

C. Removal of a portion of the existing river wall at the NW corner of the bridge as shown on the plans, including saw cuts and smoothing the surface of the existing wall at the removal limit.

D. Removal of a portion of the existing river wall at the SW corner of the bridge as shown on the plans, including saw cuts and smoothing the surface of the existing wall at the removal limit. The existing river wall may be integral with the adjacent building foundation.

E. Removal of a portion of the existing cantilever sidewalk at the SW corner of the bridge as shown on the plans, including saw cuts, and removal of the curved segment of railing that is mounted to the sidewalk within the sidewalk removal limits.

F. Removal of a portion of the existing river wall at the NE corner of the bridge as shown on the plans, including saw cuts and smoothing the surface of the existing wall at the removal limit.

G. Removal of the existing reinforced concrete sidewalk, vacated utility vault and counter-weight below the stairs in the northeast corner of the bridge.

H. Removal of a portion of the existing river wall at the SE corner of the bridge as shown on the plans, including saw cuts and smoothing the surface of the existing wall at the removal limit.

I. Removal of a portion of the existing cantilever sidewalk and counter-weight system at the SE corner of the bridge as shown on the plans, including saw cuts, if necessary, and smoothing the surfaces of the existing sidewalk at the removal limit.

J. Removal of a portion of the existing railing mounted to the cantilever sidewalk in the SE corner of the bridge. Removal shall only include the minimum required in order to replace a portion of the cantilever sidewalk as shown on the plans.

K. All waterway markers and navigational signs required as part of the Waterway Marker Application and Permit.

L. Other removals as necessary to complete the work as shown on the plans.

The contractor is responsible for any damage to existing buildings and river walls during removal operations.

Conform to standard spec 203 as modified in this special provision.

Add the following to standard spec 203:

203.3.6 Removals Over Waterways and Wetlands

203.3.6.2 Removing Old Structure Over Waterway with Minimal Debris

(1) Remove the existing Structure P-53-0715 over the Rock River in large sections and conforming to the contractor's approved structure removal and clean-up plan. During superstructure removal, prevent all large pieces and minimize the number of small pieces from entering the waterway or wetland. Remove all reinforcing steel, all concrete, and all other debris that falls into the waterway or wetland. The contractor may leave limited amounts of small concrete pieces scattered over the waterway floor or wetland only if the engineer allows.

(2) Submit a structure removal and clean-up plan as part of the erosion control implementation plan required under standard spec 107.20. Do not start work under the structure removal and clean-up plan without the department's written approval of the plan. Include the following information in the structure removal and clean-up plan:

- Methods and schedule to remove the structure.
- Methods to control potentially harmful environmental impacts.
- Methods for superstructure removal that prevent all large pieces and minimize the number of small pieces from entering the waterway or wetlands.
- Methods to control dust and contain slurry.
- Methods for removing piers and abutments. If blasting in water, include restrictions that regulatory agencies and the contract require.
- Methods for cleaning the waterway or wetlands.

(3) If stockpiling spoil material, place it on an upland site an adequate distance from the waterway, wetland, or any open water created by excavation. Install silt fence between the spoil pile and the waterway, wetland, or excavation site.

Add the following Removing Old Structure bid item to standard spec 203.5.1:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.05	Removing Old Structure Over Waterway With Minimal Debris Station 14+54	LS

72. Locate and Reference Property Corners, Item SPV.0105.06.

A Description

This special provision describes locating and referencing existing property corners within the project limits. Locate and provide adequate reference ties for existing property corners, which may be disturbed during construction such that the landmark may be re-established upon completion of construction.

B (Vacant)

C Construction

Obtain approval of the methods of survey with the engineer prior to beginning the work. Use a degree of accuracy in the survey work that is consistent with third order, Class II.

Maintain neat, orderly and complete survey notes and computations used in establishing landmark reference. Make the survey notes and computations available to the engineer within 24 hours request as work progresses.

D Measurement

The department will measure Locate and Reference Property Corners as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.06	Locate and Reference Property Corners	LS

Payment is full compensation for all survey work necessary to locate and reference the landmark.

73. Reset Property Corners, Item SPV.0105.07.

A Description

This special provision describes setting property corners that have been damaged or destroyed during construction operations, which were unavoidable. Note that this item does not apply to items damaged due to negligence or relieve the contractor of other responsibilities as outlined in standard spec 107.11.

B Materials

Provide replacement property monuments that are 1-inch inside diameter by 24-inch long iron pipe or ¾-inch diameter iron rod or rebar that are 24-inches long in locations outside of pavement areas, a Bernsten Steel Nail Marker for placement in asphalt pavement, or a Bersten BP1 Brass Marker with anchoring plug for placement in concrete pavement.

C Construction

When drive-in monuments are to be used, drive them into the ground with the top flush with the surface. In unstable soils, increase the depth as directed by the engineer to obtain a suitable foundation for the monument. No additional compensation will be made for the increased depth of the monument.

D Measurement

The department will measure Reset Property Corners as a single lump sum unit of work, acceptably installed.

E Payment

The department will pay for measured quantities as a single lump sum acceptably completed.

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.07	Reset Property Corners	LS

Payment is full compensation for all survey work necessary to reset property corners; for furnishing, placing, and adjusting property corners.

74. Remove and Reattach Existing Railing, Item SPV.0105.08.

A Description

This special provision describes removing and reattaching sections of existing steel railing as shown on the plans, and as hereinafter provided.

B (Vacant)

C Construction

Remove sections of the existing railings on the cantilever sidewalk and boardwalk in the southwest corner of the bridge as required to complete the new work. Use caution to avoid damaging railings during removal. Replace the railings after the adjacent work is complete.

D Measurement

The department will measure Remove and Reattach Existing Railing as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.08	Remove and Reattach Existing Railing	LS

Payment is full compensation for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the work.

75. Remove, Salvage, Modify, and Reattach Existing Railing, Item SPV.0105.09.

A Description

This special provision describes removing and salvaging a section of the existing steel railing on top of the river wall in the northwest corner of the bridge, modifying the railing components, cleaning and painting the existing railing, constructing a new segment of railing, and reattaching the railing as shown on the plans, and as hereinafter provided.

B Materials

Furnish materials as shown on the plans and according to standard spec 513 for steel railing. Furnish adhesive anchors for mounting the modified rail to the existing river wall according to standard spec 502.

For the section of existing railing to be removed and reattached, furnish a complete epoxy coating system from the department's approved product list. Use the same coating system for all repairs due to handling, shipping and erecting, and for all other uncoated areas. The color of epoxy shall be white and the urethane coating material shall match the color of the adjacent existing steel railing to remain. Supply the engineer with the product data sheets before any coating is applied. The product data sheets shall indicate the mixing and thinning directions, the minimum drying time for shop or field applied coats, and the recommended procedures for coating galvanized bolts, nuts, and washers.

C Construction

Remove a section of the existing railing on the northwest river wall as shown on the plans. Use caution to avoid damaging the railing during removal. Salvage the existing railings and make modifications as shown on the plans. Construct a segment of new railing according to standard spec 513.

For the section of existing railing that has been removed, while removed, clean areas of loose paint and rust by wire brushing, grinding, or other mechanical means. Sound paint does not need to be removed.

After clean up and storage of waste material, blast cleaning is allowed for only those areas where paint has been removed. Shield adjacent painted areas during blast cleaning operations.

Furnish adequate containment methods as required to contain and collect waste material resulting from the preparation of painted steel surfaces for painting. All cleanup activities shall minimize dust. Store waste materials in hazardous waste containers provided by the department.

Apply paint in a neat, workmanlike manner, and according to the manufacturer's instructions and recommendations.

Reattach the railing to the existing river wall using adhesive anchors. After the rail has been reinstalled, coat the tops of the anchor bolts and touch up any damaged paint.

D Measurement

The department will measure Remove, Salvage, Modify, and Reattach Existing Railing as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.09	Remove, Salvage, Modify, and Reattach Existing Railing	LS

Payment is full compensation for removing, salvaging, modifying, and reattaching the existing railing; preparing and cleaning the designated railing; furnishing and applying the paint; containing and collecting all waste materials.

76. Reconstruct Cantilever Sidewalk, Item SPV.0105.10.

A Description

This special provision describes reconstructing the end of the existing cantilever sidewalk in the southwest corner of the bridge.

B Materials

Furnish materials as shown on the plans and according to standard spec 501 and 502 for concrete and standard spec 505 for steel reinforcement. Furnish adhesive anchors according to standard spec 502.

C Construction

Reconstruct the end of the cantilever walkway as shown in the plans and according to the pertinent sections of the standard specifications. Use caution to avoid damaging the existing steel reinforcing during removal operations.

D Measurement

The department will measure Reconstruct Cantilever Sidewalk as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.10	Reconstruct Cantilever Sidewalk	LS

Payment is full compensation for furnishing all labor, tools, equipment, materials, and incidentals necessary to complete the work.

77. Remove, Salvage and Reinstall Awning Side Panels, Item SPV.0105.11.

A Description

This special provision describes removing, salvaging, storing and reinstalling awning side panels as hereinafter provided.

B (Vacant)

C Construction

Notify the property owner at least 5 days prior to removal of the awning side panels. Remove, handle, store, and reinstall existing awning side panels and supports at the northeast quadrant of the bridge at approximately Station 16+25 as shown on the plans. Remove panels in a manner that prevents damaging the awning panel, including supports and all associated hardware as well as the existing overhead awning. Reinstall the awning panels including any hardware adjustments for the new sidewalk elevation. Damage to the awning panels or overhead awning that occurs during removal, storage or reinstallation will be fixed or replaced at the contractor’s expense.

D Measurement

The department will measure Remove, Salvage and Reinstall Awning Side Panels as a single lump sum unit of work, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0015.11	Remove, Salvage and Reinstall Awning Side Panels	LS

Payment is full compensation for furnishing all materials; for removing existing awning side panels; for storing side panels and disposing of damaged material; for reinstalling side panels and restoring to the original condition.

78. Concrete Sidewalk, 5-Inch, Colored, Item SPV.0165.01.

A Description

This special provision describes furnishing, installing and construction techniques used for colored concrete sidewalk terraces as shown on the plans and details.

B Materials

Conform to standard spec 501, 602 and as follows:

Integrally color the concrete to match Lycon Master Color “Dark Gold” MC5010. Add integral concrete colorant according to manufacturer's instructions.

Use admixtures designed for use and compatible with colored concrete pigments. Do not use calcium chloride or admixtures containing chlorides.

Pavement joint sealant shall be polyurethane, self-leveling; ASTM C920, Class 50, Uses T, I, M and A; single or multi-component.

The concrete mix used for colored concrete sidewalk shall be the same as concrete mix used for sidewalks on the remainder of the project.

C Construction

C.1. References

American Society for Testing and Materials (ASTM)

C979 – Standard Specification for Pigments for Integrally Colored Concrete

C920 – Standard Specification for Elastomeric Joint Sealants

D1752 – Standard Specification for Preformed Sponge Rubber Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction

D5249 – Standard Specification for Backer Material for Use with Cold- and Hot-Applied Joint Sealants in Portland-Cement Concrete and Asphalt Joints

D7174 – Standard Specification for Preformed Closed-Cell Polyolefin Expansion Joint Fillers for Concrete Paving and Structural Construction

C.2 Required Submittals

Submit manufacturer's technical data for each manufacture product, including certification that each product complies with specified requirements.

Submit a 6-foot by 10-foot by 5-inch panel, to demonstrate finish, color, texture of colored concrete, jointing pattern and treatment required in actual construction at least 10 days prior to the installation for approval by the engineer and City of Janesville (Matt McGrath, City of Janesville Engineering, at (608) 755-3165). Location of sample on site will be approved by the engineer prior to construction. If product other than basis of design is used, contractor shall submit two mock-ups side by side showing finish, color, texture of colored concrete, jointing pattern and treatment expected in completed work. Consider the accepted mock-up as a minimum standard of workmanship to be matched or bettered throughout the project. The mock-up may be constructed as part of the project and, if approved, will be accepted as part of the Work. Remove mock-ups which fail to meet the engineer's and City of Janesville approval.

C.3 Quality Assurance

Engage an installer who has a minimum of five years' experience with projects of similar scope and quality to that of this project and who will assign installers from these earlier applications to this project, of which one will serve as lead installer.

C.4 Coloring

Produce colored concrete in full cubic yard increments.

Produce consistent colored concrete mixes. Once colored concrete placement has started, the engineer will not allow variations in the amounts, types, or source of materials with the exception of minor adjustments of water and air-entraining agent as necessary. Other changes require the contractor to repeat the mix approval process.

Verify manufacturers recommendations based on ambient temperature, humidity, and use of admixtures.

C.5 Placement

Place colored concrete sidewalk according to the requirements of standard spec 501, Concrete and standard spec 602, Concrete Sidewalk. All horizontal concrete surfaces shall have the same finish as sidewalks on the remainder of the project. Vertical concrete surfaces shall have hand rubbed finish. Colored concrete shall be placed as one continuous pour between the curb and gutter and non-colored sidewalk.

When excavating and forming for concrete sidewalk terraces, contractor shall minimize disturbance to base materials under adjacent existing planters, roadway curb and gutter or pavement. Contractor shall be responsible for providing concrete to fill in as needed due to sloughage of based below the adjacent planters, roadway curb and gutter or pavement. Concrete used to fill in any sloughage shall be vibrated in place to ensure complete infill. This may result in a small concrete ledge below the curb or pavement.

Colored concrete mixes for matching colored items shall be consistent. If the contractor chooses to provide mixes with high early strength concrete, then all colored concrete for matching colored items shall be provided as high early strength concrete.

Schedule colored concrete placement to minimize exposure to rapid drying conditions, wind and full sun, before curing materials are applied. Do not place colored concrete if rain, snow, or freezing temperature is forecast within 24-hours.

Cover and protect adjacent construction and concrete from discoloration and spillage during placement and curing of colored concrete. Remove and replace discolored concrete as the engineer directs.

Perform finishing operations consistently to avoid discoloration in the finished colored concrete. Do not begin finishing until bleed water has left the surface. Addition of surface water for aiding in finishing (often referred to as blessing the concrete) is not allowed. If water is added to the surface of the colored concrete once concrete is in place, the engineer will reject the colored concrete. During final finishing and texturing apply all strokes in the same direction.

Uniformly apply liquid release agent onto the colored concrete while it is still in a plastic state to provide clean release of imprinting tools from the concrete surface without lifting imprint or tearing concrete.

Seal the colored concrete per manufacturer's recommendations. Apply two coats of seal. Apply second coat after first coat has dried. Do not seal over blemishes or imperfections caused by rainfall or protection materials.

Cure colored concrete according to standard spec 415.3.12, using the impervious coating or impervious sheeting method. Protect colored concrete from premature drying and excessive cold or hot temperatures by prompt application of curing materials. Do not allow plastic sheeting to come in contact with colored concrete.

Protect the colored concrete from damage. Do not permit construction traffic or material storage on colored concrete. Exclude other foot traffic from colored concrete for at least 24 hours after placement.

C.6 Jointing

Provide joints as shown on the drawings. Unless otherwise approved, minimize construction joints by terminating placement at expansion joint locations indicated on drawings. Construction joint, commonly called control joints, in concrete slabs shall be tooled 1/4-Inch.

When construction joints are necessary for flatwork, provide bonded joint keyway. Roughen the surface of the joint prior to second placement of concrete. Remove laitance, loosed aggregate and damaged concrete. Dampen concrete surface prior to second placement of concrete.

Unless otherwise approved, joints on flatwork shall be hand tooled.

D Measurement

The department will measure Concrete Sidewalk, 5-Inch, Colored by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.01	Concrete Sidewalk, 5-Inch, Colored	SF

Payment is full compensation for providing and installing all materials necessary to completely install the colored concrete sidewalk; furnishing and installing concrete, integral coloring; reinforcing and any hardware; for performing all excavating, backfilling, and for proper disposing of surplus material and restoration.

79. Vault Wall, Item SPV.0165.02.

A Description

This work include drilling in dowel bars, placing reinforcing bars, constructing a masonry wall, grouting, insulation and placing sheet membrane waterproofing as shown in the construction details.

B Materials

Furnish and use concrete brick, or concrete block masonry that meets the requirements of standard spec 519. If the existing foundation is cast-in-place concrete, use concrete block or brick. See material list on construction detail.

C Construction

See construction details in the plan.

D Measurement

The department will measure Vault Wall in square feet of new wall face, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.02	Vault Wall	SF

Payment is full compensation for furnishing and installing masonry wall, including ties to existing walls; furnishing and installing sheet membrane waterproofing, grouting, insulation, and reinforcing bars.

80. Abandoned Vault Removal Masonry, Depth To 5', Item SPV.0165.03; Abandoned Vault Removal Masonry, Depth Over 5', Item SPV.0165.04; Abandoned Vault Removal Reinforced Concrete 0"-10", Depth To 5', Item SPV.0165.05; Abandoned Vault Removal Reinforced Concrete 0"-10", Depth Over 5', Item SPV.0165.06; Abandoned Vault Removal Reinforced Concrete 10"+, Depth To 5', Item SPV.0165.07; Abandoned Vault Removal Reinforced Concrete 10"+, Depth Over 5', Item SPV.0165.08.

A Description

This special provision describes removing abandoning vault walls according to standard spec 203 and as hereinafter provided.

All material shall be removed from the right-of-way and disposed of by the contractor.

B Materials

Furnish and use granular backfill that meets the requirements of standard spec 202.

C Construction

Remove the walls of the abandoned vault and backfill any area removed as required by the engineer. The limits of removal must be verified by the engineer. Any saw cuts or other necessary work in the removal is included in the bid item. Depth will be measured from the top of the top of existing sidewalk adjacent to building

Remove all material from the right-of-way and properly dispose of it.

D Measurement

The department will measure Abandoned Vault Removal (Type) by the square foot of wall removed, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.03	Abandoned Vault Removal Masonry, Depth To 5'	SF
SPV.0165.04	Abandoned Vault Removal Masonry, Depth Over 5'	SF
SPV.0165.05	Abandoned Vault Removal Reinforced Concrete 0"-10", Depth To 5'	SF
SPV.0165.06	Abandoned Vault Removal Reinforced Concrete 0"-10", Depth Over 5'	SF
SPV.0165.07	Abandoned Vault Removal Reinforced Concrete 10"+, Depth To 5'	SF
SPV.0165.08	Abandoned Vault Removal Reinforced Concrete 10"+, Depth Over 5'	SF

Payment is full compensation for removing abandoned vault walls; furnishing and placing granular backfill; saw-cutting as necessary; and for properly disposing of materials.

81. Structural Sidewalk Special, Item SPV.0165.09.

A Description

This special provision describes furnishing all labor, materials, and equipment necessary to construct the structural sidewalk underneath the stairway at the NE quadrant of the bridge according to standard spec 501, 502, and 505, as shown in the plans, and as hereinafter provided.

B Materials

Furnish concrete according to standard spec 501 and 502.

Furnish coated reinforcing bars according to standard spec 505 for Coated High-Strength Bar Steel Reinforcement.

C Construction

Construct Structural Sidewalk Special as shown on the plans and according to standard spec 502.3.

D Measurement

The department will measure Structural Sidewalk Special by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.09	Structural Sidewalk Special	SF

Payment is full compensation for furnishing all labor, materials, and equipment necessary to complete the work.

82. Construction Staking Sidewalk, Item SPV.0165.10.

A Description

Preform all construction staking required to establish the horizontal and vertical position of the sidewalk placement near the Rock River river walk.

B (Vacant)

C Construction

Use construction staking methods that comply with standard spec 650.3 or approved by the engineer.

D Measurement

The department will measure Construction Staking Sidewalk by the square foot, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0165.10	Construction Staking Sidewalk	SF

Payment is full compensation for location and setting all construction stakes; and for relocating and resetting damaged or missing construction stakes.

83. Shredded Hardwood Bark Mulch, Item SPV.0180.01.

A Description

This special provision describes furnishing and placing Shredded Hardwood Bark Mulch at the location shown on the plans and according to standard spec 632 and as hereinafter provided.

B Materials

Shredded Hardwood Bark Mulch shall be finely shredded hardwood bark mulch and shall be the product of a mechanical chipper, hammermill, or tub grinder. The material shall be fibrous and uniformly colored to match the existing bark mulch within the area, free of large wood chunks, and shall be substantially free of mold, dirt, sawdust, and foreign material. No portion of the material shall be in an advanced state of decomposition. The material shall be free of material detrimental to healthy plant growth, not contain chipped up manufactured boards or chemically treated wood, including but not limited to wafer board,

particle board, chromated copper arsenate (CCA) or penta-treated wood and not contain color dyes. The material shall contain no bark of the black walnut tree. The material shall be 1/8" nominal thickness, with at least 50 percent having an area of not less than 1 sq. inch. The maximum length of individual pieces shall not exceed 2 inches.

C Construction

Install mulch according to standard spec 632.3.9 to a depth of 3 inches. Pull back mulch no less than 3" and no more than 6" from the trunk.

D Measurement

The department will measure Shredded Hardwood Bark Mulch by the square yard of surface area, acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0180.01	Shredded Hardwood Bark Mulch	SY

Payment is full compensation for furnishing and installing all materials.

84. Excavation, Hauling, and Disposal of PAH Contaminated Soil, SPV.0195.01.

A Description

A.1 General

This special provision describes excavating, loading, hauling, and disposing of the soil fill materials with polycyclic aromatic hydrocarbon (PAH) contamination at a DNR approved facility. Excavated material will be brought to the closest DNR approved landfill facility which is the City of Janesville Sanitary Landfill at 525 Black Ridge Road (Attn: Solid Waste Manager, 608-755-3110).

Perform this work according to standard spec 205 and with relevant parts of Chapters NR 700-754 of the Wisconsin Administrative Code, as supplemented herein. Per NR 718.07, a solid waste collection and transportation service-operating license is required under NR 502.06 for each vehicle used to transport contaminated soil.

A.2 Notice to the Contractor – Contaminated Soil Locations

The department performed an assessment for soil and ground water contamination for locations within this project where excavation is required. The assessment identified polycyclic aromatic hydrocarbon (PAH) soil contamination in the fill materials placed behind the river wall. Testing indicated that PAH-contaminated soil is likely present at the following location(s) as shown on the plans:

1. Station 13+18 to 13+40 from 30 feet RT centerline to 30 feet LT of centerline to a depth of 1 to 13 feet below grade.

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer.

For further information regarding previous investigation and remediation activities at these sites contact:

Name: City of Janesville Engineering Department, Attn: Matt McGrath
Address: 18 N Jackson St, Janesville, WI
Phone: (608) 755-3165
Fax: (608) 755-3189
E-mail: mcgrathm@ci.janesville.wi.us

A.3 Coordination

Coordinate work under this contract with the City of Janesville:

Name: City of Janesville Engineering Department, Attn: Matt McGrath
Address: 18 N Jackson St, Janesville, WI
Phone: (608) 755-3165
Fax: (608) 755-3189
E-mail: mcgrathm@ci.janesville.wi.us

The role of the city will be limited to:

1. Obtaining the necessary approvals for disposal of contaminated soil at the City of Janesville Sanitary Landfill.
2. Hire an environmental specialist to be on site during all excavation near and within the anticipated contaminated soils site.

Notify Matt McGrath, City of Janesville Engineering Department, no later than 30 calendar days prior to commencement of excavation activities in the contaminated areas or at the preconstruction conference, whichever comes first. The City of Janesville Engineering Department will be responsible for obtaining the necessary approvals for disposal of PAH contaminated soils from the City of Janesville Sanitary Landfill. Do not transport contaminated soil offsite without prior approval from the City of Janesville Engineering Department. The contractor shall create a manifest and each truck shall have a declaration of the hazardous materials when transporting between the project site and the City of Janesville Sanitary Landfill.

A.4 Health and Safety Requirements

Add the following to standard spec 107.1:

During excavation activities, expect to encounter soil contaminated with polycyclic aromatic hydrocarbons (PAH). Site workers taking part in activities that will result in the reasonable probability of exposure to safety and health hazards associated with hazardous materials shall have completed health and safety training that meets the Occupational Safety and Health Administration (OSHA) requirements for Hazardous Waste Operations and Emergency Response (HAZWOPER), as provided in 29 CFR 1910.120.

Prepare a site-specific Health and Safety Plan, and develop, delineate and enforce the health and safety exclusion zones for each contaminated site location as required by 29 CFR 1910.120. Submit the site-specific health and safety plan and written documentation of up-to-date OSHA training to the engineer prior to the start of work.

B (Vacant)

C Construction

Add the following to standard spec 205.3:

Control operations in the contaminated areas to minimize the quantity of contaminated soil excavated. The anticipated quantity is 400 tons of PAH contaminated soil.

Directly load and haul soils designated for offsite landfill disposal at the DNR approved landfill facility. Use loading and hauling practices that are appropriate to prevent any spills or releases of PAH-contaminated soils or residues. Prior to transport, sufficiently dewater soils designated for off-site bioremediation so as not to contain free liquids.

D Measurement

The department will measure Excavation, Hauling, and Disposal of PAH-Contaminated Soil in tons of contaminated soil accepted by the approved landfill facility as documented by weight tickets generated by the approved landfill facility.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.00195.01	Excavation, Hauling, and Disposal of PAH Contaminated Soil	TON

Payment is full compensation for excavating, segregating, loading, hauling, and landfill disposal of PAH contaminated soil; obtaining solid waste collection and transportation service operating licenses; disposal fees and taxes; assisting in the collection soil samples for field evaluation, if necessary; and dewatering of soils prior to transport, if necessary.

ADDITIONAL SPECIAL PROVISION 4

Payment to First-Tier Subcontractors

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

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

Payment to Lower-Tier Subcontractors

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

Release of Routine Retainage

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

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

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

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

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

Make the following revisions to the standard specifications:

104.10.1 General

Replace paragraph one with the following effective with the December 2017 letting:

(1) Subsection 104.10 specifies a 2-step process for contractors to follow in submitting a cost reduction incentive (CRI) for modifying the contract in order to reduce direct construction costs computed at contract bid prices. The initial submittal is referred to as a CRI concept and the second submittal is a CRI proposal. The contractor and the department will equally share all savings generated to the contract due to a CRI as specified in 104.10.4.2(1). The department encourages the contractor to submit CRI concepts.

104.10.4.2 Payment for the CRI Work

Replace paragraph one with the following effective with the December 2017 letting:

(1) The department will pay for completed CRI work as specified for progress payments under 109.6. The department will pay for CRI's under the Cost Reduction Incentive administrative item. When all CRI costs are determined, the department will execute a contract change order that does the following:

1. Adjusts the contract time, interim completion dates, or both.
2. Pays the contractor for the unpaid balance of the CRI work.
3. Pays the contractor 50 percent of the net savings resulting from the CRI, calculated as follows:

NS = CW - CRW - CC - DC

Where:

NS = Net Savings

CW = The cost of the work required by the original contract that is revised by the CRI. CW is computed at contract bid prices if applicable.[1]

CRW = The cost of the revised work, computed at contract bid prices if applicable.[1]

CC = The contractor's cost of developing the CRI proposal.

DC = The department's cost for investigating, evaluating, and implementing the CRI proposal.

[1] The department may adjust contract bid prices that, in the engineer's judgement, do not represent the fair value of the work deleted or proposed.

108.11 Liquidated Damages

Replace paragraphs two and three with the following effective with the December 2017 letting:

(2) This deducted sum is not a penalty but is a fixed, agreed, liquidated damage due the department from the contractor for the added cost of engineering and supervision resulting from the contractor's failure to complete the work within the contract time.

(3) Unless enhanced in the special provisions, the department will assess the following daily liquidated damages

LIQUIDATED DAMAGES

ORIGINAL CONTRACT AMOUNT		DAILY CHARGE	
FROM MORE THAN	TO AND INCLUDING	CALENDAR DAY	WORKING DAY
$0	$250,000	$850	$1700
$250,000	$500,000	$815	$1630
$500,000	$1,000,000	$1250	$2500
$1,000,000	$2,000,000	$1540	$3080
$2,000,000	___	$2070	$4140

203.3.2.2 Removal Operations

Replace the entire text with the following effective with the December 2017 letting:

203.3.2.2.1 General

(1) Except as specified below for closing culverts, remove the entire top slab of box culverts and the entire superstructure of other culverts and bridges designated for removal. Completely remove existing piles, cribs, or other timber construction within the limits of new embankments, or remove these structures to an elevation at least 2 feet below finished ground line. Remove sidewalls or substructure units in water to an elevation no higher than the elevation of the natural stream or lake bed, or, if grading the channel is required under the contract or the plans, to the proposed finished grade of the stream or lake bed. Remove sidewalls or substructure units not in water down to at least 2 feet below natural or finished ground line.

(2) If extending or incorporating existing culverts and bridges in the new work, remove only those parts of the existing structure as necessary to provide a proper connection to the new work. Saw, chip, or trim the connecting edges to the required lines and grades without weakening or damaging the remaining part of the structure. During concrete removal, do not damage reinforcing bars left in place as dowels or ties incorporated into the new work.

(3) Remove pipe culverts designated for salvage in a way that prevents damage to the culverts.

(4) Dismantle steel structures or parts of steel structures designated for salvage in a way that avoids damage to the members. If the contract specifies removing the structure in a way that leaves it in a condition suitable for re-erection, matchmark members with durable white paint before dismantling. Mark pins, bolts, nuts, loose plates, etc., similarly to indicate their proper location. Paint pins, bolts, pinholes, and machined surfaces with a department-approved rust preventative. Securely wire loose parts to adjacent members, or label and pack them in boxes.

(5) Remove timber structures or parts of timber structures designated for salvage in a way that prevents damage to the members.

(6) If the engineer approves, the contractor may temporarily use materials designated for salvage in falsework used to construct new work. Do not damage or reduce the value of those materials through temporary use.

203.3.2.2.2 Deck Removal

(1) Protect the work as specified in 107.14 during deck removal. Minimize debris falling onto water surfaces and wetlands as the contract specifies in 107.18 or in the special provisions. Also, minimize debris falling on the ground and roadway.

(2) Do not damage existing bar steel reinforcement, girders, or other components that will be incorporated in new work. Remove decks on prestressed concrete girders using a hydraulic shear or other engineer-approved equipment. Thoroughly clean, realign, and retie reinforcement as necessary.

(3) After deck removal is complete, notify the engineer to request a damage survey. Point out damage to the engineer. Allow one business day for the engineer to complete the damage survey. If damage is identified, the department will determine if repairs or girder restoration will be allowed.

(4) If the department allows girder restoration, have a professional engineer registered in the State of Wisconsin analyze the effect of the damage to the bridge, make recommendations, and prepare signed and sealed computations and structural details required to restore girders to their previous structural capacity. Submit the restoration proposal, including analysis and structural details, to the department and design engineer of record. The department will accept or reject the restoration proposal within 3 business days. Do not begin restoration work until the department allows in writing.

(5) The engineer will not extend contract time to assess or remediate contractor caused damage.

203.5.1 General

Replace paragraph two with the following effective with the December 2017 letting:

(2) Payment is full compensation for breaking down and removing; costs associated with contractor-caused damage; required salvaging, storing, and disposing of materials; and, unless the contract specifies granular backfill, for backfilling.

415.2.3 Expansion Joint Filler

Replace paragraph one with the following effective with the December 2017 letting:

(1) Furnish expansion joint filler conforming to AASHTO M153, AASHTO M213, or ASTM D8139 in lengths equal to the pavement lane width and of the thickness and height the plans show. Where dowel bars are required, use filler with factory-punched holes at the dowel bar locations and with a diameter not greater than 1/8 inch larger than the nominal dowel bar diameter.

415.3.20 Filling Joints

Replace paragraph two with the following effective with the December 2017 letting:

(2) Clean joints of laitance, curing compound, and other contaminants before filling. Saw construction joints at least 3/4 inches deep before filling. Sawing is not required for tooled joints in curb and gutter. Sandblast or waterblast exposed joint faces using multiple passes as required to clean joints surfaces of material that might prevent bonding. Blow clean and dry with oil-free compressed air immediately before filling.

415.5.1 General

Replace paragraph six with the following effective with the December 2017 letting:

(6) Payment for Concrete Pavement Joint Filling is full compensation for filling concrete pavement joints; filling adjacent curb and gutter joints; and for sawing.

440.3.4.2 Contractor Testing

Replace paragraph two with the following effective with the December 2017 letting:

(2) Coordinate with the engineer at least 24 hours before making profile runs for acceptance unless the engineer approves otherwise. The department may require testing to accommodate staged construction or if corrective action is required.

455.5.3 Tack Coat

Replace paragraph two with the following effective with the December 2017 letting:

(2) The department will adjust pay for Tack Coat, under the Nonconforming Tack Coat administrative item, for nonconforming material the engineer allows to remain in place at a maximum of 75 percent of the contract unit price.

460.2.7 HMA Mixture Design

Replace paragraph one with the following effective with the December 2017 letting:

(1) For each HMA mixture type used under the contract, develop and submit an asphaltic mixture design according to CMM 8-66 and conforming to the requirements of table 460-1 and table 460-2. The values listed are design limits; production values may exceed those limits. The department will review mixture designs and report the results of that review to the designer according to CMM 8-66.

TABLE 460-2 MIXTURE REQUIREMENTS

Mixture type	LT	MT	HT	SMA
ESALs x 10^6 (20 yr design life)	<2.0	2 - <8	>8	___
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	40
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103) (specified counties, max % loss)	18	18	18	18
Fractured Faces (ASTM D5821) (one face/2 face, % by count)	65/___	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40	43	45	45
Sand Equivalency (AASHTO T176, min)	40	40	45	50
Gyratory Compaction				
Gyrations for N_{ini}	6	7	8	8
Gyrations for N_{des}	40	75	100	65
Gyrations for N_{max}	60	115	160	160
Air Voids, $\%V_a$ ($\%G_{mm}$ N_{des})	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)
% G_{mm} N_{ini}	<= 91.5[1]	<= 89.0[1]	<= 89.0	___
% G_{mm} N_{max}	<= 98.0	<= 98.0	<= 98.0	___
Dust to Binder Ratio[2] (% passing 0.075/P_{be})	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80[4] [5]	65 - 75[3] [5]	65 - 75[3] [5]	70 - 80
Tensile Strength Ratio (TSR) (AASHTO T283)[6] [7]				
no antistripping additive	0.75 min	0.75 min	0.75 min	0.75 min
with antistripping additive	0.80 min	0.80 min	0.80 min	0.80 min
Draindown (AASHTO T305) (%)	___	___	___	0.30

[1] The percent maximum density at initial compaction is only a guideline.

[2] For a gradation that passes below the boundaries of the caution zone (ref. AASHTO M323), the dust to binder ratio limits are 0.6 - 1.6.

[3] For No. 5 (9.5mm) and No. 4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76 percent.

[4] For No. 2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

[5] For No. 1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67 percent.

[6] WisDOT eliminates freeze-thaw conditioning cycles from the TSR test procedure.

[7] Run TSR at asphalt content corresponding to 3.0% air void regressed design using distilled water for testing.

460.2.8.2.1.3.1 Contracts with 5000 Tons of Mixture or Greater

Replace paragraph six with the following:

(6) Conduct TSR tests during mixture production according to CMM 8-36.6.14. Test each full 50,000 ton production increment, or fraction of an increment, after the first 5000 tons of production. Perform required increment testing in the first week of production of that increment. If production TSR values are below the limit specified in CMM 8-36.6.14, notify the engineer. The engineer and contractor will jointly determine a corrective action.

502.2.7 Preformed Joint Filler

Replace paragraph one with the following effective with the December 2017 letting:

(1) Use preformed joint filler conforming to AASHTO M153, AASHTO M213, or ASTM D8139.

502.3.7.8 Floors

Replace paragraph fourteen with the following effective with the December 2017 letting:

(14) Unless specified otherwise, transversely tine finish the floors of structures with approach pavements designed for speeds of 40 mph or greater as specified in 415.3.8.3, except make the tining 1/8 inch in depth and do not perform tining within 12 inches of gutters. The contractor may apply a broom finish, described below, instead of the artificial turf drag finish required before tining. The contractor may perform tining manually, if it obtains a finish satisfactory to the engineer. Perform tining within 20 degrees of the centerline of bearing of the substructure units on bridge decks having skew angles of 20 degrees or greater.

505.2.6 Dowel Bars and Tie Bars

Replace the entire text with the following effective with the March 2018 letting:

505.2.6.1 General

(1) Furnish bars coated in a plant certified by the Concrete Reinforcing Steel Institute. For dowel bars and straight tie bars, there is no requirement for bend tests. Ensure that the bars are the specified diameter and length the plans show.

(2) The contractor need not coat or patch sawed ends, sheared ends, cut ends, ends left bare during the coating process, or ends with damaged coating.

(3) The contractor need not repair circumferential coating damage from shipping, handling, or installation, if the following conditions are met:

1. The damaged area is 1/4 inch square or smaller.
2. The total damaged area in any one-foot length does not exceed 2 percent of the circumferential area in that length.

(4) Repair areas of damaged circumferential coating larger than 1/4 inch square. Reject bars with total damage greater than 2 percent of the bar's circumferential area.

505.2.6.2 Dowel Bars

505.2.6.2.1 General

(1) Ensure that the bars are straight, round, smooth, and free from burrs or other deformations detrimental to the free movement of the bar in the concrete.

(2) Saw bars to the required length. For solid bars, the department will allow shearing if no damage occurs to the coating and shearing distortions do not exceed the following:

1. No distorted diameter is more than 0.04 inches greater than the true diameter.
2. No distortion extends more than 0.40 inches from the sheared end.

(3) Apply a surface treatment to loose dowels, or furnish manufacturer-treated bars in dowel bar baskets, capable of preventing bond between the epoxy-coated bars and the concrete. Apply field surface treatments when loading bars in the dowel bar magazine.

505.2.6.2.2 Solid Dowel Bars

(1) Furnish coated bars conforming to AASHTO M31 grade 40 or 60. Alternatively the contractor may furnish dowel bars conforming to AASHTO M227 grade 70-80. Coat with a thermosetting epoxy conforming to AASHTO M254, type B.

505.2.6.2.3 Tubular Dowel Bars

(1) Furnish welded steel tubular bars conforming to ASTM A513 fabricated from plain carbon steel with a minimum tensile yield strength of 60 ksi and sized as follows:

SOLID BAR SPECIFIED DIAMETER	MINIMUM REQUIRED OUTSIDE DIAMETER	MINIMUM BASE METAL WALL THICKNESS
1 1/4-inch	1 5/16 inches	0.120 inch
1 1/2-inch	1 5/8 inches	0.120 inch

(2) Cap bar ends to prevent intrusion of concrete or other materials. Ensure that tubing is galvanized on the exterior and interior according to ASTM A653 with a G40 zinc coating and apply 7-13 mils of epoxy to the galvanized exterior according to AASHTO M254, Type B.

505.2.6.2.4 High Performance Dowel Bars

(1) As an alternate the contractor may furnish high performance dowel bars from the department's APL.

505.2.6.3 Tie Bars

(1) Furnish coated bars conforming to AASHTO M31 grade 40 or 60. Coat tie bars as specified in 505.2.4 for coated high-strength steel reinforcement. Ensure that the tie bars are the shape the plans show.

(2) Repair, with compatible coating material, the bend location of field-straightened coated tie bars.

614.2.1 General

Add the following as paragraph ten effective with the December 2017 letting:

(10) Furnish guardrail reflectors from the department's APL.

614.3.2.1 Installing Posts

Add the following as paragraph five effective with the December 2017 letting:

(5) Provide post-mounted reflectors every 100 feet with one at the beginning and end of each run and a minimum of three reflectors per run.

614.5 Payment

Replace paragraph four with the following effective with the December 2017 letting:

(4) Payment for the Steel Thrie Beam, Steel Plate Beam Guard, Guardrail Stiffened, MGS Guardrail, Short Radius, and various transition bid items is full compensation for providing guardrail and transitions including post-mounted reflectors; for repairing damaged zinc coatings; and for excavating, backfilling, and disposing of surplus material.

641.2.9 Overhead Sign Supports

Replace paragraph three with the following effective with the December 2017 letting:

(3) Provide steel pole shafts, mast arms or trusses, and luminaire arms zinc coated according to ASTM A123. The contractor may provide either straight or tapered pole and arm shafts unless the plans specify otherwise. Provide bolts and other hardware conforming to 641.2.2.

642.2.2.1 General

Replace the entire text with the following effective with the December 2017 letting:

(1) Provide each field office with two rooms, separated by an interior door with a padlock. Ensure that each room has a separate exterior door and its own air conditioner. Locate the office where a quality internet connection can be achieved.

(2) Provide long distance telephone service via a land line for exclusive department use that has the following:

- Two programmable touch-tone phones, one of which is cordless. Ensure that phone operations will not interfere with other telecommunications equipment.
- Voice mail service or an answering machine.

(3) Provide high-speed internet service for exclusive department use via cable or DSL connection with a modem/router and capable of supporting cloud enabled file sharing, voice over internet protocol (VoIP), video conferencing, and web based applications. Ensure that system meets the following:

- Includes a wireless network for the field office.
- Can accommodate IPSec based VPN products.
- Has a bandwidth range as follows:

Field office with 1-5 staff:	A minimum connection speed of 5 Mbps download and 1 Mbps upload. If a cable or DSL option is not available the contractor may provide a personal hotspot using cell phone tethering or other device able to achieve the specified minimum speeds inside the field office.
Field office with 6 or more staff:	A minimum connection speed of 10 Mbps + 1/2 Mbps per user download and 5 Mbps upload.
Projects over 500 million dollars:	A minimum connection speed of 20 Mbps + 1/2 Mbps per user download and 10 Mbps upload. Coordinate network setup at the leased office with the WisDOT network team.

(4) Provide and maintain a Windows 7 and Windows 10 compliant multi-function device with copy, print, and scan capabilities that can accommodate both 8 1/2" x 11" and 11" x 17" paper. Replenish paper, toner cartridges, and other supplies before fully expended. Ensure that department staff can connect to the device either directly or through the field office wireless network.

(5) Equip with a drafting table with a drafter's stool. Except as specified in 642.2.2.4, provide 2 ergonomically correct office chairs in working condition with, at a minimum, the following:

1. Five-legged base with casters.
2. Seat adjustable from 15 to 22 inches from the floor with a seamless waterfall, rounded, front edge.
3. High backrest with no arms or adjustable arms.

643.3.1 General

Replace paragraph one with the following effective with the December 2017 letting:

(1) Provide and maintain traffic control devices located where the plans show or engineer directs to maintain a safe work zone throughout the contract duration. Relocate as required to accommodate changing work operations. When not in use, place devices away from traffic outside of paved and gravel shoulder surfaces. Where there is barrier on the shoulder, the contractor may place devices not in use on the shoulder as close as possible to the barrier and delineated with drums. Lay signs and supports flat on the grade with uprights oriented parallel to and downstream from traffic. Do not stack devices or equipment. Promptly remove temporary devices from within the project limits as follows:

- That will not be used within 14 consecutive calendar days.
- Within 5 business days of substantial completion unless the engineer allows otherwise.

645.2.2.2 Geotextile, Type SAS (Subgrade Aggregate Separation)

Replace paragraph one with the following effective with the December 2017 letting:

(1) Furnish fabric conforming to the following physical properties:

TEST	METHOD	VALUE[1]
Minimum grab tensile strength	ASTM D4632	170 lb
Minimum puncture strength	ASTM D6241	350 lb
Maximum apparent opening size	ASTM D4751	No. 70
Minimum permittivity	ASTM D4491	0.35 s^{-1}

[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.4 Geotextile, Type DF (Drainage Filtration)

Replace paragraph one with the following effective with the December 2017 letting:

(1) Furnish fabric conforming with the physical requirements of either schedule A, schedule B, or schedule C as the contract specifies.

SCHEDULE A TEST	METHOD	VALUE[1]
Minimum grab tensile strength	ASTM D4632	110 lb
Minimum puncture strength	ASTM D6241	200 lb
Minimum apparent breaking elongation	ASTM D4632	30%
Maximum apparent opening size	ASTM D4751	300 µm
Minimum permittivity	ASTM D4491	0.70 s^{-1}

SCHEDULE B TEST	METHOD	VALUE[1]
Minimum grab tensile strength	ASTM D4632	180 lb
Minimum puncture strength	ASTM D6241	350 lb
Minimum apparent breaking elongation	ASTM D4632	30%
Maximum apparent opening size	ASTM D4751	300 µm
Minimum permittivity	ASTM D4491	1.35 s^{-1}

SCHEDULE C TEST	METHOD	VALUE[1]
Minimum grab tensile strength	ASTM D4632	180 lb
Minimum puncture strength	ASTM D6241	350 lb
Minimum apparent breaking elongation	ASTM D4632	15%
Maximum apparent opening size	ASTM D4751	600 µm
Minimum permittivity	ASTM D4491	1.00 s^{-1}

[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.6 Geotextile, Type R (Riprap)

Replace paragraph one with the following effective with the December 2017 letting:

(1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE[1]
Minimum grab tensile strength	ASTM D4632	205 lb
Minimum puncture strength	ASTM D6241	400 lb
Minimum apparent breaking elongation	ASTM D4632	15%
Maximum apparent opening size	ASTM D4751	No. 30
Minimum permittivity	ASTM D4491	0.12 s^{-1}

[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.7 Geotextile, Type HR (Heavy Riprap)

Replace paragraph one with the following effective with the December 2017 letting:

(1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE[1]
Minimum grab tensile strength, lb	ASTM D4632	305 lb
Minimum puncture strength, lb	ASTM D6241	500 lb
Minimum apparent breaking elongation, %	ASTM D4632	15%
Maximum apparent opening size	ASTM D4751	No. 30
Minimum permittivity	ASTM D4491	0.40, s^{-1}

[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

645.2.2.8 Geotextile, Type C (Modified SAS)

Replace paragraph one with the following effective with the December 2017 letting:

(1) Use fabric conforming to the following physical properties:

TEST	METHOD	VALUE[1]
Grab tensile strength, lb	ASTM D4632	205 lb
Puncture strength, lb	ASTM D6241	350 lb
Maximum apparent opening size	ASTM D4751	No. 50
Minimum permittivity	ASTM D4491	0.12 s^{-1}

[1] All numerical values represent minimum/maximum average roll values. Average test results from all rolls in a lot must conform to the tabulated values.

646.3.1.1 General Marking

Replace paragraph one with the following effective with the December 2017 letting:

(1) Prepare the surface and apply marking as the manufacturer specifies. Provide manufacturer specifications as the engineer requests. Do not mark over a marking product with less adherence or over chipped or peeled marking. Do not remove polymer overlay materials in areas receiving pavement marking. Use only epoxy pavement marking where the contract requires marking placed on polymer overlays.

Replace paragraph five with the following effective with the December 2017 letting:

(5) After the marking can sustain exposure to traffic, re-apply clear protective surface treatment conforming to 502.2.11 where removed from structures during marking surface preparation. Seal exposed concrete including grooves for tape. Cover marking during resealing with a system that will not degrade the marking's retroreflectivity when removed. Uncover marking before opening to traffic.

701.3 Contractor Testing

Replace paragraph one with the following effective with the December 2017 letting:

(1) Perform contract required QC tests for samples randomly located according to CMM 8-30. Also perform other tests as necessary to control production and construction processes, and additional testing enumerated in the contractor's quality control plan or that the engineer directs. Use test methods as follows:

TABLE 701-2 TESTING STANDARDS

TEST	TEST STANDARD
Washed P 200 analysis	AASHTO T11[1]
Sieve analysis of fine and coarse aggregate	AASHTO T27[1]
Aggregate moisture	AASHTO T255[1]
Sampling freshly mixed concrete	AASHTO R60
Air content of fresh concrete	AASHTO T152[2]
Air void system of fresh concrete	AASHTO Provisional Standard TP118
Concrete slump	AASHTO T119[2]
Concrete temperature	ASTM C1064
Concrete compressive strength	AASHTO T22
Making and curing concrete cylinders	AASHTO T23
Standard moist curing for concrete cylinders	AASHTO M201

[1] As modified in CMM 8-60.

[2] As modified in CMM 8-70.

715.2.3.1 Pavements

Add the following as paragraph six effective with the December 2017 letting:

(6) For new lab-qualified mixes, test the air void system of the proposed concrete mix conforming to AASHTO provisional standard TP 118. Include the SAM number as a part of the mix design submittal.

715.3.1.1 General

Replace paragraph one with the following effective with the December 2017 letting:

(1) Provide slump, air content, concrete temperature and compressive strength test results as specified in 710.5. Provide a battery of QC tests, consisting of results for each specified property, using a single sample randomly located within each sublot. Cast three cylinders for strength evaluation. For pavement concrete, also test the air void system conforming to AASHTO provisional standard TP118 at least once per lot and enter the SAM number in the MRS for information only.

715.3.1.3 Department Verification Testing

Replace paragraph one with the following effective with the December 2017 letting:

(1) The department will perform verification testing as specified in 701.4.2 with additional testing as required to obtain at least 1 verification test per lot for air content, slump, temperature, and compressive strength.

Errata

Make the following corrections to the standard specifications:

106.3.3.1 General

Correct errata by changing "acceptance" to "approval".

(1) For manufactured products or assemblies, the department may base approval on a product certification or require both a product certification and production plant certification.

205.3.1 General

Correct errata by replacing paragraphs three and four with the following to reflect current practice to incorporate suitable materials.

(3) Replace unsuitable material with satisfactory material. Trim and finish the roadway. Maintain the work done under 205 in a finished condition until acceptance.

305.1 Description

Correct errata to clarify that the contractor may use more than one material under a single contract.

(1) This section describes constructing a dense graded base using one or more of the following aggregates at the contractor's option:

Crushed stone	Reclaimed asphalt
Crushed gravel	Reprocessed material
Crushed concrete	Blended material

521.2 Materials

Correct errata by deleting bullet three and including aluminum coated pipe in bullet one.

(1) Furnish corrugated steel pipe and steel apron end walls as follows:

- Corrugated steel culvert pipe, steel apron endwalls, aluminum coated corrugated steel culvert pipe, and other components conforming to AASHTO M36.
- Polymer coated corrugated steel culvert pipe and pipe arch fabricated from zinc coated sheet steel conforming to AASHTO M218. Before fabrication, coat the sheets on both sides with polymer protective coating grade 250/250 according to AASHTO M246. Fabricate the pipe according to AASHTO M245.

614.3.2.2 Installing Rail

Correct errata for splice location and allow punching or drilling holes and slots.

(1) Install rail with lap splices in the direction of traffic. Ensure that the number and dimensions of holes and bolts conforms to the plan details for new splices. Place the round head of bolts on the traffic side.

(2) Cut rails to length by shearing or sawing; do not use cutting torches. Drill or punch bolt holes and slots; ensure that they are burr free. After installation, cut anchor bolts that project more than one inch from the nut to 1/2 inch from the nut; deburr the threaded end of cut bolts.

618.1 Description

Correct errata by deleting designated detours from the scope of Maintenance and Repair of Haul Roads.

(1) This section describes maintaining, repairing, and restoring all public roads, streets, drainage facilities, and other components used for hauling by contractor, subcontractor, or supplier to support work for a department contract to its pre-haul condition. Public roads and streets shall be limited to those not a part of the State Trunk Highway System and from now on called haul roads.

643.3.5.2 Cellular Communication

Correct errata by changing State Traffic Operations Center to Traffic Management Center.

(2) A minimum of 14 days before deployment, demonstrate to the department that the cellular modem is capable of communications with the Traffic Management Center. If remote communications are interrupted or temporarily unavailable, the department will notify the contractor to change messages manually. Update messages within 2 hours of receiving notification.

646.3.1.2 Liquid Marking

Correct errata by changing "epoxy overlays" to "polymer overlays".

(5) Apply liquid marking and glass beads across the line at or exceeding the following:

LIQUID MARKING	PAVEMENT TYPE	THICKNESS (mils)	BEAD APPLICATION (pounds per gallon)
Paint	all	16	8-10
Epoxy	SMA, seal coats, and polymer overlays	25	25
Epoxy	all other	20	22.5

654.5 Payment

Correct errata to clarify that contractor-provided anchor rods and associated hardware are incidental.

(2) Payment for the Bases bid items is full compensation for providing concrete bases; for embedded conduit and electrical components; for anchor rods, nuts, and washers; for bar steel reinforcement; and for excavating, backfilling, and disposing of surplus materials.

ADDITIONAL SPECIAL PROVISION 7

A. Reporting 1st Tier and DBE Payments During Construction

1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
5. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
6. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4) and (5), and shall be binding on all first tier subcontractor relationships and all contractors and subcontractors utilizing DBE firms on the project.

B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to paul.ndon@dot.wi.gov within 5 days of payment receipt to be logged manually.

***Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payments-sublets-manual.pdf

ADDITIONAL SPECIAL PROVISION 9-S
Electronic Labor Data Submittal for
State Funded Only Projects

(1) Use the Workforce Utilization Report Microsoft Excel spread sheet, or other compatible spread sheet (i.e., Google Spread Sheet), to report required labor data. Details and the Excel spreadsheet are available online through the department's highway construction contract information (HCCI) site on the Labor, Wages, and EEO Information page at:

http://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx

(2) Ensure that all tiers of subcontractors, including all trucking firms, submit their labor data electronically via the Excel spread sheet to the prime contractor within 14 calendar days of the end of each quarter (quarters are defined as January-March, April-June, July-September, and October-December). The prime contractor shall coordinate collection of their subcontractors' spread sheets and forward them to the Regional Labor Compliance Specialist within 21 calendar days of the end of each quarter. Every company or contractor providing physical labor towards completing the project is a subcontractor under this special provision.

(3) Upon receipt of contract execution, promptly make all affected companies or contractors aware of the requirements under this special provision and arrange for them to receive an Excel spreadsheet as part of their subcontract documents.

(4) The department will reject all paper submittals of information required under this special provision. All costs for conforming to this special provision are incidental to the contract.

Non-discrimination Provisions

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

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

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

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

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

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

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

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

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

Pertinent Non-Discrimination Authorities:

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

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

Effective August 2015 letting

BUY AMERICA PROVISION

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

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

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

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

Proposal ID: 20180814002 Project(s): 5990-00-34

Federal ID(s): N/A

SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	201.0120 Clearing	30.000 ID	_____.____	_____.____
0004	201.0220 Grubbing	46.000 ID	_____.____	_____.____
0006	204.0100 Removing Pavement	700.000 SY	_____.____	_____.____
0008	204.0150 Removing Curb & Gutter	695.000 LF	_____.____	_____.____
0010	204.0155 Removing Concrete Sidewalk	900.000 SY	_____.____	_____.____
0012	204.0195 Removing Concrete Bases	11.000 EACH	_____.____	_____.____
0014	204.0210 Removing Manholes	2.000 EACH	_____.____	_____.____
0016	204.0220 Removing Inlets	9.000 EACH	_____.____	_____.____
0018	204.0245 Removing Storm Sewer (size) 01. 15-Inch or Less	268.000 LF	_____.____	_____.____
0020	204.0245 Removing Storm Sewer (size) 02. 24-Inch	120.000 LF	_____.____	_____.____
0022	204.0245 Removing Storm Sewer (size) 03. 36-Inch	118.000 LF	_____.____	_____.____
0024	204.0245 Removing Storm Sewer (size) 04. 42x60-Inch	35.000 LF	_____.____	_____.____
0026	204.0280 Sealing Pipes	1.000 EACH	_____.____	_____.____
0028	204.0291.S Abandoning Sewer	3.750 CY	_____.____	_____.____
0030	204.9060.S Removing (item description) 01. Flashing Beacon Assembly	2.000 EACH	_____.____	_____.____

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0032	204.9090.S Removing (item description) 01. Concrete Planter Curb	82.000 LF	_____.____	_____.____
0034	204.9105.S Removing (item description) 01. Concrete Steps, Supports, and Railings	LS	LUMP SUM	_____.____
0036	205.0100 Excavation Common	1,327.000 CY	_____.____	_____.____
0038	206.1000 Excavation for Structures Bridges (structure) 01. B-53-294	LS	LUMP SUM	_____.____
0040	206.5000 Cofferdams (structure) 01. B-53-294	LS	LUMP SUM	_____.____
0042	210.1500 Backfill Structure Type A	1,230.000 TON	_____.____	_____.____
0044	213.0100 Finishing Roadway (project) 01. 5990-00-34	1.000 EACH	_____.____	_____.____
0046	305.0120 Base Aggregate Dense 1 1/4-Inch	1,146.000 TON	_____.____	_____.____
0048	312.0110 Select Crushed Material	221.000 TON	_____.____	_____.____
0050	415.0080 Concrete Pavement 8-Inch	1,126.000 SY	_____.____	_____.____
0052	415.0410 Concrete Pavement Approach Slab	110.000 SY	_____.____	_____.____
0054	415.4100 Concrete Pavement Joint Filling	1,346.000 SY	_____.____	_____.____
0056	455.0605 Tack Coat	18.000 GAL	_____.____	_____.____
0058	465.0105 Asphaltic Surface	102.000 TON	_____.____	_____.____
0060	465.0125 Asphaltic Surface Temporary	1.000 TON	_____.____	_____.____
0062	502.0100 Concrete Masonry Bridges	1,726.000 CY	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0064	502.2000 Compression Joint Sealer Preformed Elastomeric (width) 01. 2 1/4-Inch	24.000 LF	_____.____	_____.____
0066	502.3200 Protective Surface Treatment	1,450.000 SY	_____.____	_____.____
0068	502.3210 Pigmented Surface Sealer	450.000 SY	_____.____	_____.____
0070	505.0400 Bar Steel Reinforcement HS Structures	28,200.000 LB	_____.____	_____.____
0072	505.0600 Bar Steel Reinforcement HS Coated Structures	183,390.000 LB	_____.____	_____.____
0074	506.2605 Bearing Pads Elastomeric Non-Laminated	6.000 EACH	_____.____	_____.____
0076	511.1200 Temporary Shoring (structure) 01. B-53-294	300.000 SF	_____.____	_____.____
0078	516.0500 Rubberized Membrane Waterproofing	40.000 SY	_____.____	_____.____
0080	522.1060 Apron Endwalls for Culvert Pipe Reinforced Concrete 60-Inch	1.000 EACH	_____.____	_____.____
0082	550.0010 Pre-Boring Unconsolidated Materials	320.000 LF	_____.____	_____.____
0084	550.0500 Pile Points	55.000 EACH	_____.____	_____.____
0086	550.2146 Piling CIP Concrete 14 X 0.375-Inch	5,020.000 LF	_____.____	_____.____
0088	601.0417 Concrete Curb & Gutter 30-Inch Type K	585.000 LF	_____.____	_____.____
0090	601.0419 Concrete Curb & Gutter 30-Inch Type L	125.000 LF	_____.____	_____.____
0092	601.0600 Concrete Curb Pedestrian	25.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0094	602.0410 Concrete Sidewalk 5-Inch	6,295.000 SF	_____.____	_____.____
0096	602.0415 Concrete Sidewalk 6-Inch	680.000 SF	_____.____	_____.____
0098	602.0515 Curb Ramp Detectable Warning Field Natural Patina	96.000 SF	_____.____	_____.____
0100	602.0615 Curb Ramp Detectable Warning Field Radial Natural Patina	19.600 SF	_____.____	_____.____
0102	606.0300 Riprap Heavy	155.000 CY	_____.____	_____.____
0104	606.0700 Grouted Riprap Heavy	30.000 CY	_____.____	_____.____
0106	608.0312 Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	192.000 LF	_____.____	_____.____
0108	608.0324 Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	180.000 LF	_____.____	_____.____
0110	608.0336 Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	51.000 LF	_____.____	_____.____
0112	608.0342 Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	27.000 LF	_____.____	_____.____
0114	608.0360 Storm Sewer Pipe Reinforced Concrete Class III 60-Inch	42.000 LF	_____.____	_____.____
0116	608.3018 Storm Sewer Pipe Class III-A 18-Inch	40.000 LF	_____.____	_____.____
0118	611.2004 Manholes 4-FT Diameter	1.000 EACH	_____.____	_____.____
0120	611.2005 Manholes 5-FT Diameter	1.000 EACH	_____.____	_____.____
0122	611.2006 Manholes 6-FT Diameter	1.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0124	611.3230 Inlets 2x3-FT	9.000 EACH	_____.____	_____.____
0126	611.8110 Adjusting Manhole Covers	1.000 EACH	_____.____	_____.____
0128	611.8120.S Cover Plates Temporary	1.000 EACH	_____.____	_____.____
0130	612.0406 Pipe Underdrain Wrapped 6-Inch	135.000 LF	_____.____	_____.____
0132	612.0902.S Insulation Board Polystyrene (inch) 01. 2-Inch	8.000 SY	_____.____	_____.____
0134	616.0700.S Fence Safety	1,200.000 LF	_____.____	_____.____
0136	618.0100 Maintenance And Repair of Haul Roads (project) 01. 5990-00-34	1.000 EACH	_____.____	_____.____
0138	619.1000 Mobilization	1.000 EACH	_____.____	_____.____
0140	624.0100 Water	12.000 MGAL	_____.____	_____.____
0142	625.0100 Topsoil	62.000 SY	_____.____	_____.____
0144	628.1104 Erosion Bales	50.000 EACH	_____.____	_____.____
0146	628.1504 Silt Fence	100.000 LF	_____.____	_____.____
0148	628.1520 Silt Fence Maintenance	100.000 LF	_____.____	_____.____
0150	628.1905 Mobilizations Erosion Control	9.000 EACH	_____.____	_____.____
0152	628.1910 Mobilizations Emergency Erosion Control	6.000 EACH	_____.____	_____.____
0154	628.2008 Erosion Mat Urban Class I Type B	60.000 SY	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0156	628.6005 Turbidity Barriers	100.000 SY	_____.____	_____.____
0158	628.7020 Inlet Protection Type D	19.000 EACH	_____.____	_____.____
0160	628.7560 Tracking Pads	3.000 EACH	_____.____	_____.____
0162	629.0210 Fertilizer Type B	0.050 CWT	_____.____	_____.____
0164	630.0140 Seeding Mixture No. 40	1.000 LB	_____.____	_____.____
0166	632.0101 Trees (species) (size) (root) 01. Japanese Tree Lilac, 'Ivory Silk', 2.5" Cal., B&B	3.000 EACH	_____.____	_____.____
0168	632.0101 Trees (species) (size) (root) 02. Honeylocust, 'Skyline', 2.5" Cal., B&B	1.000 EACH	_____.____	_____.____
0170	632.9101 Landscape Planting Surveillance and Care Cycles	10.000 EACH	_____.____	_____.____
0172	637.2210 Signs Type II Reflective H	13.750 SF	_____.____	_____.____
0174	637.2230 Signs Type II Reflective F	33.000 SF	_____.____	_____.____
0176	638.2602 Removing Signs Type II	9.000 EACH	_____.____	_____.____
0178	638.3000 Removing Small Sign Supports	3.000 EACH	_____.____	_____.____
0180	642.5001 Field Office Type B	1.000 EACH	_____.____	_____.____
0182	643.0300 Traffic Control Drums	3,140.000 DAY	_____.____	_____.____
0184	643.0410 Traffic Control Barricades Type II	1,392.000 DAY	_____.____	_____.____

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0186	643.0420 Traffic Control Barricades Type III	9,293.000 DAY	_____.____	_____.____
0188	643.0705 Traffic Control Warning Lights Type A	11,287.000 DAY	_____.____	_____.____
0190	643.0715 Traffic Control Warning Lights Type C	3,140.000 DAY	_____.____	_____.____
0192	643.0900 Traffic Control Signs	19,319.000 DAY	_____.____	_____.____
0194	643.1000 Traffic Control Signs Fixed Message	200.500 SF	_____.____	_____.____
0196	643.1050 Traffic Control Signs PCMS	14.000 DAY	_____.____	_____.____
0198	643.5000 Traffic Control	1.000 EACH	_____.____	_____.____
0200	644.1410.S Temporary Pedestrian Surface Asphalt	75.000 SF	_____.____	_____.____
0202	644.1420.S Temporary Pedestrian Surface Plywood	50.000 SF	_____.____	_____.____
0204	644.1430.S Temporary Pedestrian Surface Plate	50.000 SF	_____.____	_____.____
0206	644.1601.S Temporary Curb Ramp	4.000 EACH	_____.____	_____.____
0208	644.1616.S Temporary Pedestrian Safety Fence	700.000 LF	_____.____	_____.____
0210	645.0111 Geotextile Type DF Schedule A	120.000 SY	_____.____	_____.____
0212	645.0120 Geotextile Type HR	370.000 SY	_____.____	_____.____
0214	646.1020 Marking Line Epoxy 4-Inch	1,215.000 LF	_____.____	_____.____
0216	646.3020 Marking Line Epoxy 8-Inch	100.000 LF	_____.____	_____.____
0218	646.5020 Marking Arrow Epoxy	2.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0220	646.6120 Marking Stop Line Epoxy 18-Inch	35.000 LF	_____.____	_____.____
0222	646.7420 Marking Crosswalk Epoxy Transverse Line 6-Inch	360.000 LF	_____.____	_____.____
0224	646.7520 Marking Crosswalk Epoxy Ladder Pattern 24-Inch	112.000 LF	_____.____	_____.____
0226	646.8320 Marking Parking Stall Epoxy	36.000 LF	_____.____	_____.____
0228	649.0250 Temporary Marking Line Removable Tape 8-Inch	90.000 LF	_____.____	_____.____
0230	649.0850 Temporary Marking Stop Line Removable Tape 18-Inch	20.000 LF	_____.____	_____.____
0232	650.4000 Construction Staking Storm Sewer	15.000 EACH	_____.____	_____.____
0234	650.4500 Construction Staking Subgrade	322.000 LF	_____.____	_____.____
0236	650.5500 Construction Staking Curb Gutter and Curb & Gutter	200.000 LF	_____.____	_____.____
0238	650.6500 Construction Staking Structure Layout (structure) 01. B-53-294	LS	LUMP SUM	_____.____
0240	650.7000 Construction Staking Concrete Pavement	322.000 LF	_____.____	_____.____
0242	650.8500 Construction Staking Electrical Installations (project) 01. 5990-00-34	LS	LUMP SUM	_____.____
0244	650.9000 Construction Staking Curb Ramps	9.000 EACH	_____.____	_____.____
0246	650.9910 Construction Staking Supplemental Control (project) 01. 5990-00-34	LS	LUMP SUM	_____.____

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Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0248	650.9920 Construction Staking Slope Stakes	227.000 LF	_____.____	_____.____
0250	652.0105 Conduit Rigid Metallic 3/4-Inch	16.000 LF	_____.____	_____.____
0252	652.0125 Conduit Rigid Metallic 2-Inch	20.000 LF	_____.____	_____.____
0254	652.0205 Conduit Rigid Nonmetallic Schedule 40 3/4-Inch	1,183.000 LF	_____.____	_____.____
0256	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	1,401.000 LF	_____.____	_____.____
0258	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	21.000 LF	_____.____	_____.____
0260	652.0305 Conduit Rigid Nonmetallic Schedule 80 3/4-Inch	83.000 LF	_____.____	_____.____
0262	652.0325 Conduit Rigid Nonmetallic Schedule 80 2-Inch	175.000 LF	_____.____	_____.____
0264	652.0700.S Install Conduit into Existing Item	5.000 EACH	_____.____	_____.____
0266	652.0800 Conduit Loop Detector	112.000 LF	_____.____	_____.____
0268	653.0115 Pull Boxes Steel 12x36-Inch	4.000 EACH	_____.____	_____.____
0270	653.0140 Pull Boxes Steel 24x42-Inch	4.000 EACH	_____.____	_____.____
0272	653.0222 Junction Boxes 18x12x6-Inch	7.000 EACH	_____.____	_____.____
0274	653.0900 Adjusting Pull Boxes	3.000 EACH	_____.____	_____.____
0276	653.0905 Removing Pull Boxes	3.000 EACH	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0278	654.0101 Concrete Bases Type 1	1.000 EACH	_____.____	_____.____
0280	655.0210 Cable Traffic Signal 3-14 AWG	36.000 LF	_____.____	_____.____
0282	655.0230 Cable Traffic Signal 5-14 AWG	40.000 LF	_____.____	_____.____
0284	655.0260 Cable Traffic Signal 12-14 AWG	30.000 LF	_____.____	_____.____
0286	655.0610 Electrical Wire Lighting 12 AWG	6,330.000 LF	_____.____	_____.____
0288	655.0615 Electrical Wire Lighting 10 AWG	4,020.000 LF	_____.____	_____.____
0290	655.0625 Electrical Wire Lighting 6 AWG	2,525.000 LF	_____.____	_____.____
0292	655.0630 Electrical Wire Lighting 4 AWG	3,472.000 LF	_____.____	_____.____
0294	655.0635 Electrical Wire Lighting 2 AWG	1,196.000 LF	_____.____	_____.____
0296	655.0700 Loop Detector Lead In Cable	143.000 LF	_____.____	_____.____
0298	655.0800 Loop Detector Wire	376.000 LF	_____.____	_____.____
0300	657.0100 Pedestal Bases	1.000 EACH	_____.____	_____.____
0302	657.0420 Traffic Signal Standards Aluminum 13-FT	1.000 EACH	_____.____	_____.____
0304	657.6005 Anchor Assemblies Light Poles on Structures	7.000 EACH	_____.____	_____.____
0306	658.5069 Signal Mounting Hardware (location) 01. Milwaukee Street & River Street	LS	LUMP SUM	_____.____
0308	658.5069 Signal Mounting Hardware (location) 02. Milwaukee Street & Main Street	LS	LUMP SUM	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0310	690.0150 Sawing Asphalt	275.000 LF	_____._____	_____._____
0312	690.0250 Sawing Concrete	715.000 LF	_____._____	_____._____
0314	715.0415 Incentive Strength Concrete Pavement	500.000 DOL	1.00000	500.00
0316	715.0502 Incentive Strength Concrete Structures	10,356.000 DOL	1.00000	10,356.00
0318	999.1000.S Seismograph	 LS	LUMP SUM	_____._____
0320	999.1500.S Crack and Damage Survey	 LS	LUMP SUM	_____._____
0322	SPV.0060 Special 01. Manholes 8x8-FT Special	1.000 EACH	_____._____	_____._____
0324	SPV.0060 Special 02. Manhole Cover Type Special Logo	4.000 EACH	_____._____	_____._____
0326	SPV.0060 Special 03. Inlet Cover Type H Special Logo	4.000 EACH	_____._____	_____._____
0328	SPV.0060 Special 04. Inlet Cover Type H Special Logo LP	5.000 EACH	_____._____	_____._____
0330	SPV.0060 Special 05. Utility Line Opening (ULO)	1.000 EACH	_____._____	_____._____
0332	SPV.0060 Special 06. Concrete Base Type 3 Special	3.000 EACH	_____._____	_____._____
0334	SPV.0060 Special 07. Concrete Base Type 5 Special	9.000 EACH	_____._____	_____._____
0336	SPV.0060 Special 08. Remove and Salvage Light Pole Assembly	9.000 EACH	_____._____	_____._____
0338	SPV.0060 Special 09. Decorative Mast Arm Lighting Unit	3.000 EACH	_____._____	_____._____

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0340	SPV.0060 Special 10. Decorative Pole Top Lighting Unit	16.000 EACH	_____.____	_____.____
0342	SPV.0060 Special 11. Tree Grate	5.000 EACH	_____.____	_____.____
0344	SPV.0060 Special 12. Root Pruning Existing Terrace Trees	2.000 EACH	_____.____	_____.____
0346	SPV.0060 Special 13. Remove, Salvage and Reinstall Trash Receptacle	3.000 EACH	_____.____	_____.____
0348	SPV.0060 Special 14. Remove, Salvage and Reinstall Bench, 6-Foot, Backed	2.000 EACH	_____.____	_____.____
0350	SPV.0060 Special 15. Bicycle Rack	2.000 EACH	_____.____	_____.____
0352	SPV.0060 Special 16. Trash Receptacle	1.000 EACH	_____.____	_____.____
0354	SPV.0060 Special 17. Bench, 6-Foot, Backless	3.000 EACH	_____.____	_____.____
0356	SPV.0060 Special 18. Perennials, Daylily, Happy Returns, CG, #1	11.000 EACH	_____.____	_____.____
0358	SPV.0060 Special 19. Perennials, Aster, Purple Dome, CG, #1	8.000 EACH	_____.____	_____.____
0360	SPV.0060 Special 20. Perennials, Lilyturf, CG, #SP04	10.000 EACH	_____.____	_____.____
0362	SPV.0060 Special 21. Bulbs, Daffodil, Mixed	30.000 EACH	_____.____	_____.____
0364	SPV.0060 Special 22. Sidewalk Cover Plate	1.000 EACH	_____.____	_____.____
0366	SPV.0090 Special 01. Concrete Planter Curb Special	30.000 LF	_____.____	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0368	SPV.0090 Special 02. Concrete Curb & Gutter 30-Inch Type K Special	40.000 LF	_____.____	_____.____
0370	SPV.0090 Special 03. Concrete Curb & Gutter 24-Inch Type L Special	20.000 LF	_____.____	_____.____
0372	SPV.0090 Special 04. Concrete Gutter 36-Inch Special	55.000 LF	_____.____	_____.____
0374	SPV.0090 Special 05. Metal Decorative Handrail	42.000 LF	_____.____	_____.____
0376	SPV.0090 Special 06. Metal Decorative Guardrail	70.000 LF	_____.____	_____.____
0378	SPV.0090 Special 07. Remove, Salvage and Reinstall Concrete Barrier	50.000 LF	_____.____	_____.____
0380	SPV.0090 Special 08. Remove and Salvage Concrete Barrier	20.000 LF	_____.____	_____.____
0382	SPV.0090 Special 09. Parapet Concrete Type 'TX'	407.000 LF	_____.____	_____.____
0384	SPV.0090 Special 10. Shovel Cut Edging	15.000 LF	_____.____	_____.____
0386	SPV.0105 Special 01. Remove, Salvage, & Reinstall Traffic Signal Eqpt (Milwaukee St & River St)	LS	LUMP SUM	_____.____
0388	SPV.0105 Special 02. Remove, Salvage, & Reinstall Traffic Signal Eqpt (Milwaukee St & Main St)	LS	LUMP SUM	_____.____
0390	SPV.0105 Special 03. Concrete Steps and Supports	LS	LUMP SUM	_____.____
0392	SPV.0105 Special 04. Construction Access	LS	LUMP SUM	_____.____

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Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0394	SPV.0105 Special 05. Removing Old Structure Over Waterway with Minimal Debris Station 14+54	LS	LUMP SUM	_____.____
0396	SPV.0105 Special 06. Locate and Reference Property Corners	LS	LUMP SUM	_____.____
0398	SPV.0105 Special 07. Reset Property Corners	LS	LUMP SUM	_____.____
0400	SPV.0105 Special 08. Remove and Reattach Existing Railing	LS	LUMP SUM	_____.____
0402	SPV.0105 Special 09. Remove, Salvage, Modify, and Reattach Existing Railing	LS	LUMP SUM	_____.____
0404	SPV.0105 Special 10. Reconstruct Cantilever Sidewalk	LS	LUMP SUM	_____.____
0406	SPV.0105 Special 11. Remove, Salvage and Reinstall Awning Side Panels	LS	LUMP SUM	_____.____
0408	SPV.0165 Special 01. Concrete Sidewalk, 5-Inch, Colored	3,405.000 SF	_____.____	_____.____
0410	SPV.0165 Special 02. Vault Wall	50.000 SF	_____.____	_____.____
0412	SPV.0165 Special 03. Abandoned Vault Removal Masonry, Depth to 5'	50.000 SF	_____.____	_____.____
0414	SPV.0165 Special 04. Abandoned Vault Removal Masonry, Depth Over 5'	50.000 SF	_____.____	_____.____
0416	SPV.0165 Special 05. Abandoned Vault Removal Reinforced Concrete 0"-10", Depth to 5'	50.000 SF	_____.____	_____.____
0418	SPV.0165 Special 06. Abandoned Vault Removal Reinforced Concrete 0"-10", Depth Over 5'	50.000 SF	_____.____	_____.____

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SECTION: 0001 Contract Items

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0420	SPV.0165 Special 07. Abandoned Vault Removal Reinforced Concrete 10"+, Depth to 5'	50.000 SF	_____.____	_____.____
0422	SPV.0165 Special 08. Abandoned Vault Removal Reinforced Concrete 10"+, Depth Over 5'	50.000 SF	_____.____	_____.____
0424	SPV.0165 Special 09. Structural Sidewalk Special	210.000 SF	_____.____	_____.____
0426	SPV.0165 Special 10. Construction Staking Sidewalk	150.000 SF	_____.____	_____.____
0428	SPV.0180 Special 01. Shredded Hardwood Bark Mulch	28.000 SY	_____.____	_____.____
0430	SPV.0195 Special 01. Excavation, Hauling, and Disposal of PAH Contaminated Soil	400.000 TON	_____.____	_____.____
	Section: 0001		Total:	_____.____

Total Bid: _____.____

PLEASE ATTACH SCHEDULE OF ITEMS HERE