CITY OF DE PERE

PROJECT
22-20

AMERICAN BOULEVARD AND
COMMERCE DRIVE CONCRETE PAVING

BID DATE:
FEBRUARY 24, 2022
@ 1:00 PM

Bid documents, including plans and specifications, are available for download at www.QuestCDN.com. The QuestCDN website can also be accessed through the City website at www.deperewi.gov/projects or by pressing the Projects icon at the bottom of any City website page. Download cost is $15 for each contract. Bidders will be charged an additional fee of $30 to submit a bid electronically. Bidding documents may be viewed on the QuestCDN website or at the Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115.

Bid Tabs must be verified by staff prior to posting and will be available for viewing on the website within 7 days following the bid opening. Award information will be pending until approved by the Common Council.
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FEBRUARY 4, 2022 - FEBRUARY 11, 2022

CITY OF DE PERE

ADVERTISEMENT TO BID

PROJECT 22-20

AMERICAN BOULEVARD AND COMMERCE DRIVE CONCRETE PAVING

Online bids will be received and accepted for Project 22-20 American Boulevard and Commerce Drive Concrete Paving via the online electronic bidding service through QuestCDN.com, until 1:00 PM, Thursday, February 24, 2022, at which time they will be publicly accepted, displayed and read aloud.

Project 22-20 for which proposals are being sought includes the following approximate quantities:

- 25,050 SY New 9-Inch Doweled Concrete Pavement with Integral Curb
- 1,000 LF New 24 Inch Curb & Gutter (Slip Form)
- 550 SY 9-Inch Concrete Pavement Removals
- 410 SY Remove & Replace 9-Inch Concrete Pavement with Integral Curb
- 10,200 LF New 24 Inch Integral Curb & Gutter
- 590 SY New 4-inch Concrete Sidewalk
- 140 SY New 6-inch Concrete Sidewalk, Ramp, and Driveway
- 110 SY New 8-Inch Concrete Sidewalk and Driveway
- 800 TON Crushed Aggregate Base Course
- 22,600 LF Electrical Wiring
- 5,600 LF Conduit
- 16 EA Type 2 White Epoxy Arrows
- 24 EA Bike Lane Symbol & Arrow White Epoxy
- 1 EA White Epoxy Bike Land Ends
- 13,300 LF 4” Epoxy Pavement Markings
- 120 LF 8” Epoxy Pavement Markings
- 90 LF 12” Epoxy Pavement Markings

Complete digital project bidding documents are available for viewing and/or downloading at www.QuestCDN.com or may be examined at the office of the Director of Public Works. Digital plan documents may be downloaded for $15 by inputting Quest project #8115587 on Quest’s Project Search page. Project documents must be downloaded from QuestCDN which will add your company to the Planholder List and allow access to vBid online bidding for the submittal of your bid. Bidders will be charged an additional fee of $30 to submit a bid electronically. The QuestCDN website can also be accessed through the City website at www.deperewi.gov/projects or by pressing the Projects icon at the bottom of any City website page. Contact QuestCDN Customer Support at 952-233-1632 or info@questcdn.com for assistance.
in membership registration, downloading digital project information and vBid online bid submittal
questions.

Each proposal shall be accompanied by a bid bond in an amount equal to five percent (5%) of the bid,
payable to the City of De Pere, as a guarantee that if the bid is accepted, the bidder will execute a contract
and furnish a contract bond as set forth in the General Conditions of the City of De Pere. In case the bidder
fails to file such contract and bond, the amount of the bid bond shall be forfeited to the City of De Pere as
liquidated damages.

The letting of the contract is subject to the provisions of the following Wisconsin Statutes:

   Section 62.15 regarding Public Works.

   Section 66.0901(3) regarding Prequalification of Contractor.

   Each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the
   Director of Public Works. Such forms shall be filed with the Director of Public Works no later
   than 4:00 PM, Monday, February 21, 2022. Prospective bidders who have previously
   submitted such forms subsequent to January 1, 2022 will not be required to separately
   submit such form for this project.

The City of De Pere reserves the right to reject any or all bids, to waive any informalities in bidding and to
accept any proposal which the Common Council deems most favorable to the interest of the City of De
Pere.

Dated this 28th day of January 2022.

Board of Public Works
City of De Pere
Eric Rakers, P.E.
City Engineer

Project 22-20
SECTION 00 21 13

INSTRUCTIONS TO BIDDERS

ARTICLE 1 – DEFINED TERMS

1.1 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:
   None

ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

2.1 Complete sets of the Bidding documents in the number and for the deposit sum, if any, stated in the Advertisement to Bid may be obtained as stated in the Advertisement for bids.

2.2 Complete sets of Bidding Documents shall be used in preparing Bids; Owner does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.

2.3 Owner, in providing the Bidding Documents on the terms stated in the Advertisement for Bids, does so only for the purpose of obtaining Bids for the Work and does not confer a license or grant for any other use.

ARTICLE 3 – QUALIFICATIONS OF BIDDERS

3.1 In accordance with Section 66.0901(3), each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works as stated in the Advertisement for Bids. Prospective bidders who have previously submitted such forms after January 1st of this year will not be required to separately submit such form for this project.

ARTICLE 4 – EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA AND SITE

4.1 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in the General Conditions.

4.2 Underground Facilities

   A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.
4.3 Subsurface and Physical Conditions

A. The technical data includes:
   1. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and
   2. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except underground Facilities).
   3. No reports of explorations or tests of subsurface conditions at or contiguous to the Site, or drawings of physical conditions relating to existing surface or subsurface structures at the Site, are known to Owner.

B. Limited Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Contractor may not rely upon or make any claim against Owner, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:
   1. the completeness of such reports and drawings for Contractor’s purposes, including but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
   2. Other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
   3. Any Contractor interpretation of or conclusion drawn from any “technical data” or any such other data, interpretations, opinions, or information.

4.4 On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.

4.5 Reference is made to Section 01 10 00: Summary of Work, for work that will be completed and for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work contemplated by these Bidding Documents. On request, Owner will provide to each Bidder for examination access to or copies of Contract Documents (other portions thereof related to price) for such other work.

4.6 It is the responsibility of each Bidder before submitting a Bid to:

A. Examine and carefully study the Bidding Documents, the other related data identified in the Bidding Documents, and any Addenda;
B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;

C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work;

D. Obtain and carefully study (or accept consequences of not doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;

E. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;

F. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;

G. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;

H. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies, that bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and

I. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.

4.7 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.
ARTICLE 5 – SITE AND OTHER AREAS

5.1 The Site is identified in the Bidding Documents. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by Owner unless otherwise provided in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by Contractor.

ARTICLE 6 – INTERPRETATIONS AND ADDENDA

6.1 All questions about the meaning or intent of the Bidding Documents are to be submitted to Engineer in writing. Interpretations or clarifications considered necessary by Engineer in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by Engineer as having received the Bidding Documents. Questions received less than ten days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.

6.2 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by Owner and Engineer.

ARTICLE 7 – BID SECURITY

7.1 A Bid shall be accompanied by Bid security made payable to Owner in an amount of five percent (5%) of Bidder’s maximum Bid price and in the form of a certified check or bank money order or Bid bond (on the form attached) issued by a surety meeting the requirements of the General Conditions. Submittal of a Bid Bond on a form other than the Bid Bond form included in the Bidding Documents may be cause for rejection of Bid. The fully executed bid bond must be uploaded into QuestCDN. If the bidder elects to furnish bid security other than a bid bond, the bid security must be submitted in a sealed envelope enclosed in a separate package plainly marked on the outside with the notation “BID SECURITY” along with the project number and name and addressed to the Board of Public Works of the City of De Pere, Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115 prior to the deadline for submission of bids.

7.2 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, Owner may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner per the General Conditions.

7.3 Bid security of other Bidders whom Owner believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.
ARTICLE 8 – CONTRACT TIMES

8.1 The number of days within which, or the dates by which, Milestones are to be achieved and the Work is to be substantially completed and ready for final payment are set forth in the Bid Form and Summary of Work.

ARTICLE 9 – LIQUIDATED DAMAGES

9.1 Provisions for liquidated damages are set forth in the General Conditions.

ARTICLE 10 – SUBSTITUTE AND “OR-EQUAL” ITEMS

10.1 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or “or-equal” items. Whenever it is specified or described in the Bidding Documents that a substitute or “or-equal” item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Bid Form and Summary of Work.

ARTICLE 11 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS

11.1 The Bidder shall submit with the Bid to Owner a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity. Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, in which case apparent Successful Bidder shall submit an acceptable substitute, Bidder’s Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution, and Owner may consider such price adjustment in evaluating Bids and making the Contract award.

11.2 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposed to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner subject to revocation of such acceptance after the Effective Date of the Agreement.

11.3 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.
ARTICLE 12 – PREPARATION OF BID

12.1 The Bid form is included with the Bidding documents.

12.2 All blanks on the Bid Form shall be completed by printing in ink or by typewrite and the Bid signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each alternative, and unit price item listed therein, or the words “No Bid,” “No Change,” or “Not Applicable” entered.

12.3 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporations shall be shown below the seal.

12.4 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.

12.5 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown below the signature.

12.6 A Bid by an individual shall show the Bidder’s name and official address.

12.7 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture shall be shown below the signature.

12.8 All names shall be typed or printed in ink below the signatures.

12.9 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.

12.10 The address and telephone number for communications regarding the Bid shall be shown.

12.11 The Bid shall contain evidence of Bidder’s authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder’s state contractor license number, if any, shall also be shown on the Bid Form.

ARTICLE 13 – BASIS OF BID; COMPARISON OF BIDS

13.1 Unit Price

A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid Schedule.
B. The total of all estimated prices will be the sum of the products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accord with the General Conditions.

C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

ARTICLE 14 – SUBMITTAL OF BID

14.1 A Bid shall be submitted no later than date and time prescribed and at place indicated in Advertisement for Bids and shall be submitted electronically using the QuestCDN online bidding vBid platform. No paper bids will be accepted.

14.2 See Bid Form for a list of documents typically required to be submitted with the Bid.

ARTICLE 15 – MODIFICATION AND WITHDRAWAL OF BID

15.1 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.

15.2 If within 24 hours after Bids are opened, any Bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the Work.

ARTICLE 16 – OPENING BIDS

16.1 Bids will be opened as indicated in the Advertisement to Bid. The bid opening can be viewed live via the GoToMeeting information shown below. An abstract of the amounts of the base bids and major alternatives, if any, will be made available to bidders after opening the bids.

The bid opening can be viewed live via GoToMeeting as follows:
Please join my meeting from your computer, tablet or smartphone.
https://meet.goto.com/181881093

You can also dial in using your phone.
United States (Toll Free): 1 866 899 4679
- One-touch: tel:+18668994679,,181881093#

Access Code: 181-881-093
ARTICLE 17 – BIDS REMAIN SUBJECT TO ACCEPTANCE

17.1 All bids will remain subject to acceptance for the period of time stated in the General Conditions, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

ARTICLE 18 – EVALUATION OF BIDS AND AWARD OF CONTRACT

18.1 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.

18.2 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.

18.3 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

18.4 In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Supplier, and other individuals or entities proposed for those portions of the Work for which the identify of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.

18.5 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.

18.6 Bidder agrees to waive any claim it has or may have against the Owner and the respective employees arising out of or in connection with the administration, evaluation or recommendation of any Bid.

18.7 If the Contract is to be awarded, Owner will award the Contract to the lowest responsible responsive Bidder whose Bid is in the best interests of the Project.
ARTICLE 19 – CONTRACT SECURITY AND INSURANCE

19.1 The General Conditions set forth Owner’s requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by such bonds and a certificate of insurance.

ARTICLE 20 – SIGNING OF AGREEMENT

20.1 When Owner gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within ten (10) days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner. Within ten (10) days thereafter, Owner shall deliver one fully signed counterpart to Successful Bidder with a complete set of Drawings with appropriate identification.

END OF SECTION
This bid, submitted by the undersigned Bidder to the City of De Pere, in accordance with the Advertisement to Bid, which will be received until 1:00 PM, Thursday February 24, 2022 is to furnish and deliver all materials, and to perform and do all work on the project designated per Section 01 10 00 Summary of Work.

Bidder has examined and carefully prepared the bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that said bidder or bidder’s 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 or bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

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BASIS OF BID:

Bidder will complete the Work in accordance with the Contract documents for the following price(s):

As stated in the attached Unit Price Bid Schedule.

Unit Prices have been computed in accordance with the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

TOTAL BID PRICE: $____________________
ATTACHMENTS TO THIS BID

The following documents are submitted with and made a condition of this Bid:

A. Required Bid Security
B. Unit Price Bid Schedule (Section 00 41 43)
C. Proposed Products Form (Section 00 43 33)
D. Tabulation of Subcontractors (Section 00 43 36)

BID SUBMITTAL

This Bid is submitted by ________________________ of ____________________________

The Bidder, being duly sworn, does dispose that they are an authorized representative of

Bidder, if Bidder is:

An Individual

Name (typed or printed): ________________________________

By: ____________________________________
   (Individual’s signature)

Doing business as: ________________________________

A Partnership

Partnership Name: ________________________________

By: ____________________________________
   (Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): ________________________________

A Corporation

Corporation Name: ________________________________

State of Incorporation: ________________________________

Type (General Business, Professional, Service, Limited Liability): __________________

By: ____________________________________
   (Signature – attach evidence of authority to sign)
Name (typed or printed): ________________________________________________

Title:  __________________________________________________________________________

(CORPORATE SEAL)

Attest  _______________________________________________________________________

Date of Qualification to do business in Wisconsin is ___/___/___.

Joint Venture

Name of Joint Venture: ________________________________________________

First Joint Venturer Name: ________________________________________________

(SEAL)

By:  ______________________________________________________________________

(Signature of first joint venture partner – attach evidence of authority to sign)

Name (typed or printed): ________________________________________________

Title:  ________________________________________________

Second Joint Venturer Name: ________________________________________________

(SEAL)

By:  ______________________________________________________________________

(Signature of second joint venture partner – attach evidence of authority to sign)

Name (typed or printed): ________________________________________________

Title:  ________________________________________________

(Each joint venturer must sign. Manner of signing for each individual, partnership, and corporation
that is a party to joint venture should be in manner indicated above.)

Bidder’s Business Address  ________________________________________________

____________________________________________________________________________

Telephone No. __________________ Fax No. ____________________

E-mail  ________________________________________________

SUBMITTED on __________________, 20____.

State Contractor License No. _________________________________________(if applicable)
## BID SCHEDULE – UNIT PRICE

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>AMOUNT BID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>STORM SEWER</strong></td>
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<tr>
<td>ST-01</td>
<td>Provide Type B Inlet Casting</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>ST-02</td>
<td>Provide Type A Field Inlet Casting</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
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<tr>
<td><strong>STREET AND DRAINAGE</strong></td>
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<tr>
<td>SD-01</td>
<td>Unclassified Excavation, Pavement Removal, and Borrow Placement Commerce Cul de Sac</td>
<td>LS</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-02</td>
<td>Provide Borrow Material and Placement adjacent to Curb</td>
<td>LF</td>
<td>10,400</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-03</td>
<td>Provide 1 1/4&quot; Crushed Aggregate Base Course</td>
<td>TON</td>
<td>850</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-04</td>
<td>Provide 3/4&quot; Crushed Aggregate Base Course</td>
<td>TON</td>
<td>150</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-05</td>
<td>Provide 24&quot; Concrete Curb and Gutter</td>
<td>LF</td>
<td>1,000</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-06</td>
<td>Provide 9&quot; Doweled Concrete Pavement with Integral Curb</td>
<td>SY</td>
<td>22,850</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-07</td>
<td>Remove Concrete and/or Asphalt and Replace with 9&quot; Concrete Pavement with Integral Curb (American Boulevard Patch)</td>
<td>SY</td>
<td>250</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-08</td>
<td>Remove Replace with 9&quot; Concrete Pavement with Integral Curb (Commerce Drive Patch)</td>
<td>SY</td>
<td>100</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>ITEM</td>
<td>ITEM DESCRIPTION</td>
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<td>QUANTITY</td>
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<tr>
<td>SD-09</td>
<td>Provide Raised and Corrugated Concrete Median</td>
<td>SY</td>
<td>230</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-10</td>
<td>Provide 24&quot; Integral Curb and Gutter</td>
<td>LF</td>
<td>10,200</td>
<td>$________</td>
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<tr>
<td>SD-11</td>
<td>Provide 4&quot; Concrete Sidewalk, Ramp, and Driveway</td>
<td>SY</td>
<td>590</td>
<td>$________</td>
<td>$________</td>
</tr>
<tr>
<td>SD-12</td>
<td>Provide 6&quot; Concrete Sidewalk, Ramp, and Driveway</td>
<td>SY</td>
<td>20</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-13</td>
<td>Provide 8&quot; Concrete Sidewalk, Ramp, and Driveway</td>
<td>SY</td>
<td>200</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-14</td>
<td>Provide #4 Reinforcement Bars for Curb and Sidewalk</td>
<td>LF</td>
<td>160</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-15</td>
<td>Drilled Tie Bars (Existing Sidewalk, Driveway, and Curb and Gutter)</td>
<td>EA</td>
<td>12</td>
<td>$________</td>
<td>$________</td>
</tr>
<tr>
<td>SD-16</td>
<td>Drilled Dowel Bars</td>
<td>EA</td>
<td>100</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-17</td>
<td>Drilled Tie Bars (Concrete Pavement)</td>
<td>EA</td>
<td>50</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-18</td>
<td>Pavement Marking Stop Line Epoxy 12-Inch (Yellow)</td>
<td>LF</td>
<td>90</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-19</td>
<td>Pavement Marking Epoxy 8-Inch (White)</td>
<td>LF</td>
<td>120</td>
<td>$________</td>
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<tr>
<td>SD-20</td>
<td>Pavement Marking Epoxy 4-Inch (Yellow)</td>
<td>LF</td>
<td>6,760</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-21</td>
<td>Pavement Marking Epoxy 4-Inch (Double Yellow)</td>
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<td>310</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-22</td>
<td>Pavement Marking Epoxy 4-Inch (White)</td>
<td>LF</td>
<td>5,960</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-23</td>
<td>Pavement Marking Epoxy Corrugated Median (Yellow)</td>
<td>SY</td>
<td>90</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>SD-24</td>
<td>Pavement Marking Epoxy Island Nose (Yellow)</td>
<td>EA</td>
<td>2</td>
<td>$________</td>
<td>$________</td>
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</table>
# Bid Schedule

<table>
<thead>
<tr>
<th>ITEM</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>AMOUNT BID</th>
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<tbody>
<tr>
<td><strong>STREET AND DRAINAGE CONTINUED</strong></td>
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<tr>
<td>SD-25</td>
<td>Pavement Marking Arrows Epoxy Type-2 (White)</td>
<td>EA</td>
<td>13</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-26</td>
<td>Pavement Marking Arrows Epoxy Type-5 Lane Drop (White)</td>
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<td>$_________</td>
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<tr>
<td>SD-27</td>
<td>Pavement Marking Epoxy Bike Lane Arrow (White)</td>
<td>EA</td>
<td>9</td>
<td>$_________</td>
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<tr>
<td>SD-28</td>
<td>Pavement Marking Epoxy Bike Lane Symbol (White)</td>
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<td>$_________</td>
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<td>SD-29</td>
<td>Pavement Marking Epoxy Bike Lane Words (White)</td>
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<tr>
<td>SD-30</td>
<td>Provide Detectable Warning Field (Natural)</td>
<td>EA</td>
<td>2</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SD-31</td>
<td>Landscaping-Topsoil, Seed, Fertilizer and Mulch</td>
<td>SY</td>
<td>4,700</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td><strong>SPECIAL CONSTRUCTION</strong></td>
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<tr>
<td>SC-01</td>
<td>Inlet Protection Type D</td>
<td>EA</td>
<td>40</td>
<td>$_________</td>
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<tr>
<td>SC-02</td>
<td>Adjust Inlet</td>
<td>EA</td>
<td>31</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-03</td>
<td>Adjust Field inlet</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-04</td>
<td>Provide End of Roadway Marker (W5-56)</td>
<td>EA</td>
<td>3</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-05</td>
<td>Provide &quot;STOP&quot; Sign (R1-1)</td>
<td>EA</td>
<td>2</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>SC-06</td>
<td>Provide Right Reverse Curve Arrow Symbol Sign (W1-4R)</td>
<td>EA</td>
<td>2</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-07</td>
<td>Provide &quot;25 MPH&quot; Advisory Speed Sign (W13-1)</td>
<td>EA</td>
<td>2</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-08</td>
<td>Provide Median Ahead with Two Way Arrows Symbol Sign (W6-1)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-09</td>
<td>Provide Median Behind with Two Way Arrows Symbol Sign (W6-2)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>ITEM</td>
<td>ITEM DESCRIPTION</td>
<td>UNIT</td>
<td>QUANTITY</td>
<td>UNIT PRICE</td>
<td>AMOUNT BID</td>
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<td>------------</td>
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<tr>
<td>SC-10</td>
<td>Provide &quot;DO NOT ENTER&quot; Sign (R5-1)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-11</td>
<td>Provide &quot;WRONG WAY&quot; Sign (R5-1A)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-12</td>
<td>Provide Median on Left Symbol Sign (R4-7)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>SC-13</td>
<td>Provide &quot;LANE ENDS MERGE LEFT&quot; Sign (W9-2L)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-14</td>
<td>Provide Merge Left Symbol Sign (W4-2R)</td>
<td>EA</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>SC-15</td>
<td>Traffic Control - American Boulevard Patch</td>
<td>LS</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>SC-16</td>
<td>Traffic Control - American Boulevard Paving</td>
<td>LS</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>SC-17</td>
<td>Traffic Control - Commerce Drive Paving</td>
<td>LS</td>
<td>1</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>E-01</td>
<td>Conduit Rigid Nonmetallic Schedule 40, 2-Inch</td>
<td>LF</td>
<td>5,850</td>
<td>$_________</td>
<td>$_________</td>
</tr>
<tr>
<td>E-02</td>
<td>Conduit Bored, 2-Inch</td>
<td>LF</td>
<td>360</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>E-03</td>
<td>Pull Box 24x42 Inch</td>
<td>EA</td>
<td>8</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>E-04</td>
<td>Concrete Base, Type 5</td>
<td>EA</td>
<td>22</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>E-05</td>
<td>Poles, Type 5-Aluminum Anodized Black</td>
<td>EA</td>
<td>22</td>
<td>$_________</td>
<td>$_________</td>
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<td>E-06</td>
<td>Transformer Base Breakaway 11 1/2 Bolt Circle, Anodized Black with Factory Applied Black Finish</td>
<td>EA</td>
<td>22</td>
<td>$_________</td>
<td>$_________</td>
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<tr>
<td>E-07</td>
<td>Luminaire Arms Single Member Mast Arm 4-1/2 Inch Clamp, 8-foot, Anodized Black</td>
<td>EA</td>
<td>10</td>
<td>$_________</td>
<td>$_________</td>
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### Electrical Continued

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<tr>
<th>ITEM</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT</th>
<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>AMOUNT BID</th>
</tr>
</thead>
<tbody>
<tr>
<td>E-08</td>
<td>Luminaire Arms Single Member Truss Type Arm 4-1/2 Inch Clamp, 12-foot, Anodized Black</td>
<td>EA</td>
<td>12</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>E-09</td>
<td>Concrete Control Cabinet Base, Type L24</td>
<td>EA</td>
<td>2</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>E-10</td>
<td>Lighting Control Cabinet, 120/240 24-inch</td>
<td>EA</td>
<td>2</td>
<td>$________</td>
<td>$________</td>
</tr>
<tr>
<td>E-11</td>
<td>Electrical Service Meter Breaker Pedestal</td>
<td>EA</td>
<td>2</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>E-12</td>
<td>Electrical Wire Lighting 12 AWG</td>
<td>LF</td>
<td>1,080</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>E-13</td>
<td>Electrical Wire Lighting 4 AWG</td>
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<td>$________</td>
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<tr>
<td>E-14</td>
<td>Luminaires Utility LED</td>
<td>EA</td>
<td>22</td>
<td>$________</td>
<td>$________</td>
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<tr>
<td>E-15</td>
<td>Remove Existing Light Pole (Salvage to City) and Base</td>
<td>EA</td>
<td>1</td>
<td>$________</td>
<td>$________</td>
</tr>
</tbody>
</table>

**TOTAL AMOUNT BID:** $________
KNOW ALL MEN BY THESE PRESENTS: That ___________________________________,
as Principal, hereinafter called Principal, and _______________________________________,
as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal
corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of
_____________________________________________________ dollars ($________________) for the
payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors
and assigns, jointly and severally, firmly by these presence.

WHEREAS, Principal has made a proposal to the City for furnishing all materials, labor, tools, equipment and
incidents necessary to complete the work of Project 22-20 in accordance with drawings and specifications
prepared by the Director of Public Works of said City, which proposal is by reference made a part hereof,
and is hereinafter referred to as the BID.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Principal shall be awarded the
contract for said project and Principal shall enter into a contract in accordance with the BID, then this
obligation shall be null and void; otherwise it shall remain in full force and effect, provided that:

1. The liability of Surety shall in no event exceed the penalty of this bond.

2. Any suits at law or proceedings, in equity brought or to be brought against Surety to recover
any claim hereunder shall be executed within six (6) months from the date of this
instrument.

Signed and sealed this ________ day of __________________, 20____.

In the presence of:

______________________________          __________________________________
WITNESS          PRINCIPAL (SEAL)

______________________________          __________________________________
WITNESS          SURETY (SEAL)
The following is a list of material, type or model numbers and manufacturers used in the preparation of this proposal and to be used on this project:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MATERIAL</th>
<th>SUPPLIER</th>
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<tbody>
<tr>
<td>Base Aggregate</td>
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<tr>
<td>Concrete</td>
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<td></td>
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<tr>
<td>Concrete Sealant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tie Bars</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Reinforcement Bars</td>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>
The following information is submitted which gives the name, business address, and portion of work for each subcontractor that will be used in the work if the bidder is awarded the contract, and no subcontractor doing work in excess of one-half of one percent of the total amount of the bid and who is not listed will be used without the written approval of the Engineer. Additional numbered pages outlining this portion of the proposal may be attached to this page.

<table>
<thead>
<tr>
<th>PORTION OF WORK</th>
<th>BUSINESS NAME</th>
<th>BUSINESS ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concrete Pavement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete Curb and Gutter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Concrete Driveway and Sidewalk</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aggregate Base Course Placement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pavement Marking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic Control</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

...
Project Description: 22-20 American Boulevard and Commerce Drive Concrete Paving

The City has considered the proposal submitted by you dated (BID DATE) for the above-described project in response to its Advertisement for Bids dated February 4, 2022 and February 11, 2022.

You are hereby notified that the Common Council of the City of De Pere has accepted your bid of (Contract Amount $_______.00).

You are required to execute the Contract and furnish the required Performance Bond, Payment Bond and Certificates of Insurance within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of this notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your bid as abandoned and as a forfeiture of your Bid Bond. The City will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the City.

Dated this _______ day of _____________________2022.

____________________________________
DEPARTMENT OF PUBLIC WORKS
BY: Eric P. Rakers, P.E.
City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

_________________________________________, this the ______ day of _____________________, 20____

By: _______________________________

Title: _______________________________
SECTION 00 52 13

CONTRACT

This Contract, made and entered into this day ____________________ (date to be affixed by City), by and between (Contractor Name), hereinafter called Contractor, and the City of De Pere, a municipal corporation of the State of Wisconsin, hereinafter called City.

WITNESSETH: That, in consideration of the covenants and agreements herein contained, to be performed by the parties hereto, and of the payments hereinafter agreed to be made, it is mutually agreed as follows:

ARTICLE I - SCOPE OF WORK

The Contractor shall furnish all materials and all equipment and labor necessary, and perform all work shown on the drawings and described in the specifications for the project entitled Project 22-20 American Boulevard and Commerce Drive Concrete Paving, all in accordance with the requirements and provisions of the following documents, which are hereby made a part of this Contract:

(a) Advertisement for Bids, dated February 4, 2022 and February 11, 2022.

(b) Drawings designated for Project 22-20 American Boulevard and Commerce Drive Concrete Paving dated February 4, 2022.

(c) City of De Pere 2022 Construction Specifications.


(e) Proposal submitted by (Contractor Name) dated Bid Date.

(f) Addenda No. dated

ARTICLE II - TIME OF COMPLETION

(a) The work to be performed under the Contract shall be commenced within (number spelled out) (__) calendar days after receipt of written notice to proceed. The work shall be completed within (Number spelled out) (__) calendar days ) or (specific calendar dates) after receipt of Notice to Proceed.

(b) Time is of the essence with respect to the date of completion herein above stated. Failure to complete the work within the number of calendar days stated in this Article, or interim dates included in the work sequence in Section 01 10 00, Summary of Work, including any extensions granted thereto, shall entitle the City to deduct from the monies due the Contractor an amount equal to Update based on 00 70 00 - General Conditions (Page 27)($) per day for each calendar day of delay in the completion of the work. Such amount shall be considered and treated not as a penalty but as liquidated damages, which the City will sustain, by failure of the Contractor to complete the work within the time stated.
ARTICLE III - PAYMENT

(a) The Contract Sum. The City shall pay to the Contractor for the performance of the Contract the amounts determined for the total number of each of the following units of work completed at the unit price stated thereafter. The number of units contained in this schedule is approximate only, and the final payment shall be made for the actual number of units that are incorporated in or made necessary by the work covered by the Contract.

(b) Progress Payments. The City shall make payments on account of the Contract as follows:

1. On not later than the fourth Friday of every month the Contractor shall present to the City an invoice covering an estimate of the amount and proportionate value of the work done as verified by the City under each item of work that has been completed from the start of the job up to and including the fourth Friday of the preceding month, and the value of the work so completed determined in accordance with the schedule of unit prices for such items, together with such supporting evidence as may be required. This invoice shall also include an allowance for the cost of such materials and equipment required in the permanent work as have been delivered to the site but not as yet incorporated in the work.

2. On not later than the third week of the following month, the City shall, after deducting previous payments made, pay to the Contractor 95% of the amount of the approved invoice, retaining 5% of the estimate of work done until 50% of the work has been completed. At 50% completion of the work, the previous retainage shall not yet be paid, but further partial payments shall be made in full to the contractor without additional retainage being taken unless the engineer certifies that the work is not proceeding satisfactorily. If the work is not proceeding satisfactorily, additional amounts may be retained. After substantial completion, an amount retained may be paid to the contractor, keeping retained only such amount as is needed for the remaining work.

3. The Contractor shall notify the City in writing when all work under this Contract has been completed. Upon receipt of such notice the City shall, within a reasonable time, make the final inspection and issue a final certificate stating that the work provided for in this Contract has been completed and is accepted under the terms and conditions thereof, and that the entire balance due the Contractor as noted in said final certificate is due and payable. Before issuance of the final certificate the Contractor shall submit evidence satisfactory to the City that payrolls, material bills, and other indebtedness connected with the work under this Contract have been paid. The City shall make final payment as soon after issuance of the final certificate as practicable.

ARTICLE IV – CONTRACT DOCUMENTS

(a) Contents

1. The Contract documents consist of the following:
   a. This Contract (pages 00 52 13-1 to 0052-13-3, inclusive).
   b. Payment bond (pages 00 61 13-1 to 00 61 13-2, inclusive).
   c. Performance bond (page 00 61 16-1).
   d. General Conditions (pages 00 70 00-1 to 00 70 00-27, inclusive).
e. Specifications as listed in the table of contents of the Project Manual.

f. Drawings consisting of ___ sheets with each sheet bearing the following general title: ___[or] the Drawings listed on attached sheet index.

g. Addenda (numbers ___ to ___ inclusive), dated______.

h. Exhibits to this Agreement (enumerated as follows):  
   1) Contractor’s Bid (pages 00 41 13-1 to 00 41 13-3, inclusive).
   2) Bid Schedule – Unit Prices (Pages 00 41 43-1 to 00 41 43- , inclusive).
   3) Proposed Products Form (Page 00 43 33-1).
   4) Tabulation of Subcontractors (page 00 43 36-1).
   5) Documentation submitted by Contractor prior to Notice of Award (00 51 00-1).

i. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:  
   1) Notice to Proceed (Page 00 55 00-1).
   2) Change Orders.

2. The documents listed in Paragraph (a) Contents, are attached to this Agreement (except as expressly noted otherwise above).

3. There are no Contract Documents other than those listed above in this Article IV.

IN WITNESS WHEREOF, the parties hereto have executed this Contract, the day and year first written above.

___________________________________    ___________________________________
(WITNESS)  (CONTRACTOR)  (SEAL)

___________________________________
(WITNESS)

_______________________________
(BY: ________________________________)

___________________________________
(TITLE)

BY: ________________________________

___________________________________
(TITLE)

CITY OF DE PERE  (SEAL)

Approved as to Form By: ________________________________ (City Attorney)

Sufficient funds are available to provide for the payment of this obligation.

___________________________________
(COMPTROLLER)

BY:_______________________________    BY:_______________________________
(MAYOR)  (CITY CLERK)
SECTION 00 55 00

NOTICE TO PROCEED

Date: _________________

(CONTRACTOR NAME)
(ADDRESS)
(ADDRESS)

Project: 22-20 American Boulevard and Commerce Drive Concrete Paving

You are hereby notified to commence work in accordance with the CONTRACT dated _________________, within ten (10) days of this Notice. All work under this contract shall be completed within __________(NUMBER IN WORDS) (#) consecutive days from the start of construction or _________________(DATE) whichever comes first.

___________________________________
Department of Public Works

By: Eric P. Rakers, P.E.
Title: City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

___________________________________, this _____ day of ______________, 20__.

Company Name

___________________________________
Signature

BY: ________________________________
Printed Name

TITLE: ________________________________
KNOW ALL MEN BY THESE PRESENTS: That (CONTRACTOR NAME), as Principal, hereinafter called Contractor, and __________________________________________________________, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called the City, for the use and benefit of claimants as herein below defined in the amount ____________________ (CONTRACT AMT. SPELLED OUT) ($__________) for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated ___________________ (date to be affixed by City) entered into a contract with City for Project 22-20, in accordance with drawings and specifications prepared by the Director of Public Works of said City, which contract is by reference made a part hereof, and is hereinafter referred to as the CONTRACT.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly make payments to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect, subject, however, to the following conditions.

1. A claimant is defined as one having a direct contract with Contractor or with a subcontractor of Contractor for labor, material, or both, used or reasonably required for use in the performance of the contract, labor and material being construed to include that part of water, gas, power, lights, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the contract.

2. The above named Contractor and Surety hereby jointly and severally agree with the City that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant may sue on this bond for the use of such claimant in the name of the City, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon, provided, however, that the City shall not be liable for the payment of any costs or expenses of any such suit.

3. No suit or action shall be commenced hereunder by any claimant:

a. Unless claimant shall have given written notice to any two of the following: The Contractor, the City, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail, postage prepaid, in an envelope addressed to the Contractor, City, or Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the State of Wisconsin, save that such service need not be made by a public officer.
b. After the expiration of one (1) year following the date on which Contractor ceased work on said CONTRACT.

c. Other than in a state court of competent jurisdiction in and for the County or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.

4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics' liens, which may be filed or recorded against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

SIGNED AND SEALED THIS ______________ DAY OF __________________, 20___.

In Presence of:

_________________________________     _____________________________________
(WITNESS)                          (CONTRACTOR)

_________________________________     _____________________________________
(WITNESS)                          (SURETY)
KNOW ALL MEN BY THESE PRESENTS: That (CONTRACTOR’S NAME), as Principal, hereinafter called Contractor, and ______________________, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of __________________ (AMOUNT WRITTEN OUT) ($__________) for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated _________________ (date to be affixed by City), entered into a contract with the City for Project 22-20, in accordance with drawings and specifications prepared by the Director of Public Works of said City, which contract is by reference made a part hereof, and is hereinafter referred to as the CONTRACT.

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if the Contractor shall promptly and faithfully perform said CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Whenever Contractor shall be, and declared by the City to be in default under the CONTRACT, the City having performed City’s obligations there under, the Surety may promptly remedy the default, or shall promptly

1. Complete the CONTRACT in accordance with its terms and conditions or

2. Obtain a bid or bids for submission to City for completing the CONTRACT in accordance with its terms and conditions, and upon determination by the City and Surety of the lowest responsible bidder, arrange for a contract between such bidder and City make available as work progresses (even though there should be a default or succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term “balance of the contract price” as used in this paragraph shall mean the total amount payable by City to Contractor under the CONTRACT and any amendments thereto, less the amount properly paid by City to Contractor.

Any suit under this bond must be instituted before the expiration of two (2) years from the date on which final payment under the CONTRACT falls due. No right of action shall accrue on this bond to or for the use of any person or corporation other than the owner named herein or the heirs, executors, administrators or successors of City.

SIGNED AND SEALED THIS __________ DAY OF __________________, 20______.

In the Presence of:

_________________________________     _____________________________________
(WITNESS)       (CONTRACTOR)       (SEAL)

_________________________________     _____________________________________
(WITNESS)       (SURETY)          (SEAL)
**SECTION 00 62 76**

**APPLICATION FOR PAYMENT**

**Contractor's Application for Payment No.**

<table>
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<th>Application Period:</th>
<th>Application Date:</th>
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<tbody>
<tr>
<td>Owner: City of De Pere</td>
<td>Contractor:</td>
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<tr>
<td>Contractor's Project No.:</td>
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**APPLICATION FOR PAYMENT**

**Change Order Summary**

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<th>Approved Change Orders</th>
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<tbody>
<tr>
<td>Number</td>
<td>Additions</td>
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</table>

1. ORIGINAL CONTRACT PRICE: ................................................................. $0.00
2. Net change by Change Orders and Written Amendments (+ or -): .............. $0.00
3. CURRENT CONTRACT PRICE (Line 1 plus Line 2): ........................................ $0.00
4. Total completed and stored to date Column H on Progress Estimate: .......... $0.00
5. Retainage (per Agreement): 
   a. Work Completed - Column H (95% up to 50% of Contract or 2.5% of 100% of Contract)  
      $0.00
6. AMOUNT ELIGIBLE TO DATE (Line 4 minus 5)............................................. $0.00
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application)........................ $0.00
8. AMOUNT DUE THIS APPLICATION (Line 6 minus Line 7)............................... $0.00

**NET CHANGE BY CHANGE ORDERS:** $0.00

**CONTRACTOR'S CERTIFICATION**

The undersigned Contractor certifies that: (1) all previous progress payments received from Owner on account of Work done under Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by the Application for Payment is in accordance with the Contract Documents and is not defective.

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<td>(Line 8 or other - attach explanation of other amount)</td>
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is recommended by: 
(Contractor) (Date)

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<tr>
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<td>(Line 8 or other - attach explanation of other amount)</td>
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</table>

is recommended by: 
(Owner) (Date)

2/4/2022

00 62 76-1

Application for Payment
SECTION 00 65 16
CERTIFICATE OF SUBSTANTIAL COMPLETION

Project: American Boulevard and Commerce Drive Concrete Paving
Owner: City of De Pere
Contractor: 

This Certificate of Substantial Completion applies to:
☐ All Work under the Contract Documents: ☐ The following specified portions of the Work:

Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Contractor and Engineer, and found to be substantially complete. The Date of Substantial completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:

☐ Amended Responsibilities ☐ Not Amended

Owner’s Amended Responsibilities:

Contractor’s Amended Responsibilities:

2/4/2022 00 65 16-1 Certificate of Substantial Completion
The following documents are attached to and made part of this Certificate:

This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor’s obligation to complete the Work in accordance with the Contract Documents.

Executed by Engineer

Date

Accepted by Contractor

Date
SECTION 01 10 00
SUMMARY OF WORK

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes
   1. References
   2. Work Covered by the Contract Documents
   3. Work Sequence/Schedule
   4. Use of Premises
   5. Warranty
   6. Work by Others
   7. Project Utility Sources

1.2 REFERENCES

A. General Specifications. The work under this contract shall be in accordance with the City of De Pere, 2022 Construction Specifications and these Special Provisions and plans, and the latest edition of the Wisconsin Department of Transportation Standards Specifications for Highway and Structure Construction, where referenced in the City Specifications.

B. Definitions. Any reference to the “state” or the “department” in said Standard Specifications shall mean the “City of De Pere” for the purposes of this contract.

C. Industry Standards
   1. Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made a part of the Contract Documents by reference.
   2. Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.
   3. If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement.
   4. The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements.
5. Each section of the specifications generally includes a list of reference standards normally referred to in that respective section. The purpose of this list is to furnish the Contractor with a list of standards normally used for outlining the quality control desired on the project. The lists are not intended to be complete or all inclusive, but only a general reference of standards that are regularly referred to.

6. Each entity engaged in construction on the Project shall be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents. Where copies of standards are needed to perform a required construction activity, obtain copies directly from the publication source and make them available on request.

1.3 WORK COVERED BY THE CONTRACT DOCUMENTS

A. Project Identification
   1. Project Location
      a. American Boulevard from 200 feet southwest of Garroman Drive to 3,050 feet northeast of Garroman Drive.
      b. American Boulevard spot work 1000 feet southwest of Biotech Way.
      c. Garroman Drive from 650 feet northwest of American Boulevard to American Boulevard.
      d. Commerce Drive from Rockland Road to 2100 feet north of Rockland Road

   2. Work will be performed under the following prime contract:
      a. 22-20 American Boulevard and Commerce Drive Concrete Paving

B. The Work includes:
   1. Storm inlet Adjustment.
   2. Concrete curb and gutter.
   3. Concrete pavement with integral curb and hand poured gaps.
   4. Concrete sidewalks, ramps, and driveway aprons.
   5. Concrete pavement removal
   7. Electrical services and lighting fixtures.
   8. Pavement markings.
   10. Traffic control.

1.4 WORK SEQUENCE/SCHEDULE

A. The project shall be completed by September 30, 2022

B. The sites are to be ready for street construction under this contract as follows:
   a. Project 21-11 American Boulevard Utility and Street Construction – June 1, 2022
   b. Project 22-14 Commerce Drive Utility and Street Construction – July 20, 2022
C. American Boulevard paving shall be completed in three stages as shown on page C403 in the plan set:
   1. Eastern half of American Boulevard, excluding a 115-foot gap at first driveway going south to provide access to building construction at parcel #WD-L486 and a 100-foot gap for temporary construction access at approximate stationing 27+65.
   2. Once stage 1 is cured and drivable per specifications, pour both the 115-foot gap at parcel #WD-L486 and the 100-foot gap for construction access at approximate stationing 27+65.
   3. Western half of American Boulevard.

D. Conduct construction activities to maintain access to businesses throughout construction. Ramps shall be constructed using Crushed Aggregate Base Course to provide access between concrete paving phases.
   1. American Boulevard parcel #WD-L486 first driveway going south.
      a. Building construction at this parcel will occur concurrently to this project. American Boulevard will operate as a one lane, two-way road for construction vehicles per the traffic control plan.
      b. Both driveway aprons and sidewalk sections to this parcel will be constructed by others. The first driveway going south for this parcel will be gapped 115-feet during stage 1 to provide access and once stage 1 is cured and drivable, the most southerly driveway will be used for access to the site. Stage 2 will consist of hand pouring the gap at the first driveway stated.
   2. Construction Access at stationing 27+65
      a. 100-foot gap during stage 1 to provide temporary access to parcel #WD-L486 and property 2275 American Boulevard.

E. Commerce Drive paving shall be completed in two stages.
   1. Eastern half of Commerce Drive.
   2. Western Half of Commerce Drive.

1.5 USE OF PREMISES

A. Contractor shall have full use of the premises for construction operations, including use of the Project Site, as allowed by law, ordinances, permits, easement agreements and the Contract documents.

B. Contractor’s use of premises is limited only by Owner’s right to perform work or to retain other contractors on portions of the Project.

C. The Project Site is limited to property boundaries, rights-of-way, easements, and other areas designated in the Contract Documents.

D. Provide protection and safekeeping of material and products stored on or off the premises.
E. Move any stored material or products which interfere with operations of Owner or other Contractors.

1.6 WARRANTY

A. The Contractor warrants and guarantees to the City that all work shall be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects will be given to the Contractor. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this proposal.

B. If within one (1) year after the date of contract work completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents or by a special provision of the Contract Documents, any work is found to be defective, the Contractor shall comply in accordance with the City’s written instructions. These written instructions will include either correcting such defective work or, if it has been rejected by the City, removing it from the site and replacing it with non-defective work. If the Contractor does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk or loss or damage, the City may have the defective work corrected or the rejected work removed and replaced. All direct and indirect costs of correction or removal and replacement of defective work, including compensation for additional professional services, shall be paid by the Contractor.

1.7 WORK BY OTHERS

A. Owner has awarded a separate contract for performance of certain construction operations which will be conducted at the Project Site simultaneously with work under this Contract. This Contract includes the following:
   1. Project 21-11 American Boulevard Utility and Street Construction including grading behind the curb and landscape restoration
   2. Project 22-14 Commerce Drive Utility and Street Construction including grading behind the curb and landscape restoration
   3. Restoration for Projects 21-11 and 22-14 will be completed to within approximately three feet from the proposed curb. The cost for placing borrow material and restoration behind the curb shall be included in the appropriate bid item.
   4. Project 22-07 Curb Repair and Street Resurfacing.
      a. Asphaltic concrete paving Garroman Drive.
      b. Asphaltic concrete paving and 2-foot wide shouldering the cul de sac at the end of American Boulevard
      c. 275-foot stretch North of Rockland Road on Commerce Drive.

B. The development at 2275 American Boulevard will have building and utility construction work concurrent to this project.
C. The development at parcel #WD-L486 on American Boulevard will have building and utility construction work concurrent to this project.

D. The development at 2020 Commerce Drive will have building and utility construction work concurrent to this project. Site Access will be from Rockland Road.

E. Cooperate fully with separate contractors and/or Owner so work by others may be carried out smoothly, without interfering with or delaying work under this Contract.

1.8 PROJECT UTILITY SOURCES

A. Green Bay Metropolitan Sewer District (NEW Water), Lisa Sarau, (lsarau@newwater.us) (920-438-1039)

B. AT&T, Victoria Kassab, (vk352k@att.com) (920-202-4002)

C. Wisconsin Public Service, Bob Laskowski, (rtlaskowski@wiscinpublicservice.com) (920-617-2775)

D. Charter, Vince Albin, (vince.albin@charter.com) (920-378-0444)

E. Nsight, Rick Vincent, (rick.vincent@nsight.com) (920-617-7316)

F. TDS Metrocom, Steve Jakubiec, (steve.jakubiec@tdstelecom.com) (920-882-4166)

G. Net-Lec (Mi-Tech Services), Dennis Lafave, (dlafave@mi-tech.us) (920-619-9774)

H. CenturyLink, Relocation Team, (relocations@lumen.com) (800-871-9244)

I. Central Brown County Water Authority, Rob Michaelson, (rmichaelson@mpu.org) (920-686-4354)

1.9 MISCELLANEOUS PROVISIONS

A. Notify Parcel #WD-L486 and 2275 American Boulevard a minimum of two-weeks prior to the start of work giving an estimated time that vehicle movement will be limited. Access shall be maintained to both of these properties throughout the duration of work. Provide the City a copy of the business notice once distributed.

B. Borrow material/fill placement behind the curb and for the cul de sac removal on Commerce Drive can be obtained from City stockpiles located on both sites as follows:
   1. American Boulevard – Fill is located at the north end of the project limits, west of American Boulevard behind the WPS substation.
   2. Commerce Drive – Fill is located north of Rockland Road on the east side of Commerce.
C. If City material is used, the berms shall be reshaped upon completion.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION
SECTION 01 22 02

MEASUREMENT AND PAYMENT STORM SEWER

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:
   1. Provide Catch Basin/Inlet Castings

B. Unit Prices include:
   1. Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.
   2. The method of measurement for payment.
   3. The price per unit for payment.

1.2 GENERAL WORK ITEMS

A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for storm sewer systems.

B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.
   1. Traffic Control.
   2. Sawcutting asphalt and/or concrete.
   3. Removal, hauling and disposal of surface materials including road pavement, curb and gutter, sidewalk, driveways and other pavement surfaces in the trench area and as shown on the drawings.
   4. Dewatering.
   5. Excavation.
   6. Open trench installation method (unless bid item specifies other method).
   7. Pipe bedding.
   8. Backfilling and compacting native obtained from the excavation.
   9. Supplying, hauling, backfilling and compacting granular material.
   10. Loading, hauling and disposing of surplus excavated material.
   12. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site beyond the limits identified.
13. Site access requirements including temporary aggregate material as required for local traffic access.
14. Bulkhead and abandon existing storm sewer with flowable fill as shown on drawings.
15. If crossing or undermining of existing public or private utility, then include:
   a. Maintaining the utility in service.
   b. Replacing of existing utilities, if damaged.
   c. Providing support and bedding material.
16. Dust control.
17. Remove and replace existing mailboxes and traffic signs.
18. Restroom facilities.
19. Easement and right-of-way requirements.
20. Construction staking and other survey work not provided by the Engineer.
21. Regulatory requirements.
22. Preconstruction videotaping and video equipment.
23. Quality assurance and quality control testing and inspections.
24. Shop drawings and other submittals.

1.3 PROVIDE CATCH BASIN/INLET CASTINGS

A. The unit price for Provide Catch Basin/Inlet Castings work includes:
   2. Adjusting rings grouted in place.
   3. Replace casting frame and grate.
   4. Final casting adjustment.

B. Measurement for payment will be the actual number installed.

C. The unit of measurement for payment is each.

END OF SECTION
SECTION 01 22 04
MEASUREMENT AND PAYMENT STREET AND DRAINAGE CONSTRUCTION

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:
   1. Unclassified Excavation
   2. Borrow Material
   3. Crushed Aggregate Base and Surface Course
   4. Portland Cement Concrete Curb and Gutter
   5. Portland Cement Concrete Pavement
   6. Portland Cement Concrete Driveway and Sidewalk
   7. Deformed Reinforcement Bars
   8. Drilling Tie Bars and Dowel Bars
   9. Detectable Warning Field Natural
   10. Pavement Marking Epoxy lines
   11. Pavement Marking Epoxy Symbols and Arrows
   12. Pavement Marking Epoxy Island Nose
   13. Pavement Marking Epoxy Corrugated Median
   14. Landscaping-Topsoil, Seed, Fertilize, Mulch

B. Unit Prices include:
   1. Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.
   2. The method of measurement for payment.
   3. The price per unit for payment.

1.2 GENERAL WORK ITEMS

A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for street and drainage systems.

B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.
   1. Traffic Control.
2. Sawcutting asphalt and/or concrete.
3. Removal, hauling and disposal of surface materials including road pavement, curb and gutter, sidewalk, driveways and other pavement surfaces in the trench area and as shown on the drawings.
4. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site.
5. Site access requirements including temporary aggregate material as required for local traffic access.
6. Dust control.
7. Remove and replace existing mailboxes and traffic signs.
8. Restroom facilities.
9. Construction staking and other survey work not provided by the Engineer.
10. Regulatory requirements.
11. Quality assurance and quality control testing and inspections.
12. Final casting and valve box adjustment.
13. Shop drawings and other submittals.

1.3 UNCLASSIFIED EXCAVATION-COMMERCE CUL DE SAC

A. The unit price for Unclassified Excavation – Commerce Cul de Sac work includes:
   2. Remove concrete and excavate the crushed aggregate base course to the subgrade per the plans.
   3. Excavate the driveway adjacent to the cul de sac, as shown on the plans, to a depth of 16”.
   4. Hauling of material.
   5. Placing clean borrow/fill areas to 4” below the final grade in landscape areas.
   6. Compaction of fill areas.

B. Measurement of payment will not be made.

C. The unit price for this item does not include:
   1. Crushed aggregate base course for the driveway.
   2. Landscape restoration

D. The unit of measurement for payment is Lump Sum.

1.4 BORROW MATERIAL ADJACENT TO CURB

A. The unit price for Borrow Material Adjacent to Curb work includes:
   2. Placing clean fill to 4” below finished grade.
   3. Compaction.
   4. Finish grading.
   5. Re-grade and reseed borrow areas if obtained from City stockpiles.
B. Measurement of payment will be based on the length of curb where fill material is placed.

C. The unit of measurement for payment is linear foot.

1.5 CRUSHED AGGREGATE BASE AND SURFACE COURSE

A. The unit price for Crushed Aggregate Base and Surface Course work includes:
   2. Aggregate material.
   3. Preparation of foundation.
   4. Placing and compacting to thickness and width shown on the Drawings or specified elsewhere.
   5. Maintenance until surface pavement is constructed.
   6. Preparation of crushed aggregate base for paving.
   7. Adjustment of manholes and valve boxes to proposed finish road grade.

B. Measurement of payment will be the actual amount of material required and incorporated in the work verified by submitting to the Engineer delivery tickets provided with each load showing the weight measured on a certified scale, type of material, the date delivered and the project name. Aggregates in excess of seven percent (7%) total moisture determined based on the dry mass of the aggregates will have moisture content in excess of seven percent (7%) deducted from the measured weight.

C. The unit of measurement for payment is tons.

1.6 PORTLAND CEMENT CONCRETE CURB AND GUTTER

A. The unit price for Portland Cement Concrete Curb and Gutter work includes:
   2. Providing Portland cement concrete mixture of size shown in the drawings or specified elsewhere.
   3. Providing expansion joints.
   4. Providing curing.
   5. Existing curb and gutter removal.
   7. Provide crushed aggregate base.
   10. Driveway entrances and handicap ramp entrances.
   11. Adjustment of catch basin/inlets.
   12. Finishing.
   13. Protection.
   14. Restoration behind the curb.
B. Measurement for payment will be along the flow line of the gutter and through inlets/catch basins.

C. The unit of measurement for payment is linear feet.

1.7 PORTLAND CEMENT CONCRETE PAVEMENT

A. The unit price for Portland Cement Concrete Pavement work includes:
   2. Furnish all labor, tools, equipment and services.
   3. Providing Portland cement concrete mixture of thickness shown in the drawings or specified elsewhere.
   4. Sawcutting and removing existing surface where applicable.
   5. Surface preparation.
   6. Providing reinforcement including tie bars and dowel bars.
   7. Drilling tie bars and dowel bars into existing pavement.
   8. Joint sealing.
   9. Providing raised median with corrugations per the construction detail where applicable.
   11. Concrete sealing with linseed oil.
   12. Fine grading of subgrade.
   13. Providing expansion joints and contraction joints.
   14. Adjustment of manholes, water valves, inlets/catch basin and other structures to finish grade.
   15. Finishing.
   16. Protection.

B. Measurement for payment will be length and width of areas paved. Concrete curb and gutter will be measured separately, regardless if the curb is installed with integral curb. Curb and gutter will be paid per linear foot for twenty-four (24) inch width. The width and length will be subtracted from the concrete pavement area if integral curb is constructed.

C. The unit of measurement for payment is square yard.

1.8 PORTLAND CEMENT CONCRETE DRIVEWAY AND SIDEWALK

A. The unit price for Portland Cement Concrete Sidewalk and Driveway work includes:
   2. Providing Portland cement concrete mixture of thickness shown in the drawings or specified elsewhere.
   3. Providing reinforcement.
   4. Providing expansion joint.
   5. Providing curing.
   6. Existing pavement removal.
7. Subgrade preparation.
8. Providing contraction joints.
10. Sidewalk steps.
11. Saw cutting adjacent surfaces.
12. Finishing.
13. Protection.

B. Measurement for payment will be the average horizontal length and width of the concrete placed.

C. The unit of measurement for payment is square yards.

1.9 DEFORMED REINFORCEMENT BARS

A. The unit price for Deformed Reinforcement Bars work includes:
   2. Supply and install two - #4 deformed reinforcement bars over all trenches that fall under any portion of the concrete curb and gutter, sidewalk, and driveway being constructed.

B. Measurement for payment will be the horizontal length of each bar installed.
   1. This item applies to concrete curb and gutter, sidewalk, and driveway.
   2. This item does not apply to concrete pavement and patches.

C. The unit of measurement for payment is linear feet.

1.10 DRILLING TIE BARS

A. The unit price for Drilling Tie Bars work includes:
   2. Providing and installing tie bars, including coating.
   3. For drilling holes in concrete not placed under the contract.
   4. For epoxying or driving.

B. Measurement for payment will be the actual number of bars installed.
   1. This item applies to concrete curb and gutter, sidewalk, and driveway.
   2. This item does not apply to concrete pavement and patches.

C. The unit of measurement for payment is each.

1.11 DETECTABLE WARNING FIELD NATURAL

A. The unit price for Detectable Warning Field Natural work includes:
2. Providing and installing Detectable Warning Field per ADA requirements.
3. Each detectable warning field shall be two (2) feet by four (4) feet.

B. Measurement for payment will be the actual number of detectable warning field installed.

C. The unit of measurement for payment is each.

1.12 PAVEMENT MARKING EPOXY LINES

A. The unit price for Pavement Marking Epoxy Lines work includes:
   2. Providing and installing the pavement marking epoxy lines includes preparing the surface, including brush-off blasting of concrete, for providing all marking, including reflectorization with glass beads, for protecting marking until dry or cured, and for replacing marking improperly constructed or that fails during warranty period.

B. Measurement for payment will be by the linear foot, calculated as follows:
   1. For solid lines, by adding the linear feet of solid line measured from end to end.
   2. For intermittent lines, by multiplying the specified length of the individual markings of the line by the number of markings in the intermittent line from end to end.

C. The unit of measurement for payment is linear feet.

1.13 PAVEMENT MARKING EPOXY SYMBOLS AND ARROWS

A. The unit price for Pavement Marking Epoxy Symbols and Arrows work includes:
   2. Providing and installing the pavement marking epoxy symbols and arrows includes preparing the surface, including brush-off blasting of concrete, for providing all marking, including reflectorization with glass beads, for protecting marking until dry or cured, and for replacing marking improperly constructed or that fails during warranty period.
   3. For remarking if initially applies at less than 90% of the specified rate.

B. Measurement for payment will be by each individual unit.

C. The unit of measurement for payment is each.

1.14 PAVEMENT MARKING EPOXY ISLAND NOSE

A. The unit price for Pavement Marking Epoxy Island Nose work includes:
   2. Providing and installing the pavement marking epoxy symbols and arrows includes preparing the surface, including brush-off blasting of concrete, for providing all marking, including

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reflectorization with glass beads, for protecting marking until dry or cured, and for replacing marking improperly constructed or that fails during the warranty period.

3. For remarking if initially applies at less than 90% of the specified rate.

B. Measurement for payment will be by each individual unit.

C. The unit of measurement for payment is each.

1.15 PAVEMENT MARKING EPOXY CORRUGATED MEDIAN

A. The unit price for Pavement Marking Epoxy Corrugated Median work includes:
   2. Providing and installing the pavement marking epoxy symbols and arrows includes preparing the surface, including brush-off blasting of concrete, for providing all marking, including reflectorization with glass beads, for protecting marking until dry or cured, and for replacing marking improperly constructed or that fails during the warranty period.
   3. For remarking if initially applies at less than 90% of the specified rate.

B. Measurement for payment will be length and width of areas epoxied.

C. The unit of measurement for payment is square yard.

1.16 LANDSCAPING-TOPSOIL, SEED, FERTILIZE, AND MULCH

A. The unit price for Landscaping- Topsoil, Seed, Fertilize, and Mulch work includes:
   2. Provide 4” topsoil or salvaged topsoil.
   3. Provide seed.
   4. Provide fertilizer.
   5. Provide mulch.
   6. Provide maintenance.

B. Measurement for payment will be the width and length of restoration along the curb, sidewalk, driveways, patches, and cul de sac as designated on the plans.

1. Restoration of haul roads to borrow sites is incidental to other items bid and not included in this section.

C. The unit of measurement for payment is square yard.

END OF SECTION
PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:

   1. Inlet Protection Erosion Control  SC-01
   2. Adjusting Existing Structure Frame and Casting  SC-02, SC-03
   3. Permanent Signing  SC-04, SC-05, SC-06, SC-07, SC-08, SC-09, SC-10, SC-11, SC-12, SC-13, SC-14
   4. Traffic Control  SC-15, SC-16, SC-17

B. Unit Prices include:

   1. Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.

   2. The method of measurement for payment.

   3. The price per unit for payment.

1.2 GENERAL WORK ITEMS

A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for special construction.

B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.

   1. Traffic Control.
   2. Loading, hauling and disposing of surplus material.
   3. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site beyond the limits identified.
   4. Dust control.
   5. Restroom facilities.
   6. Construction staking and other survey work not provided by the Engineer.
   7. Regulatory requirements.
   8. Quality assurance and quality control testing and inspections.
   9. Shop drawings and other submittals.
1.3 INLET PROTECTION EROSION CONTROL

A. The unit price for Inlet Protection Erosion Control work includes:
   2. Provide geotextile and wood materials for type shown on the Drawings.
   3. Placing inlet protection system.
   4. Inspection and maintenance of the installed inlet protection.
   5. Removal of the inlet protection.
   6. Cleaning debris buildup around inlet.

B. Measurement for payment will be actual number of inlet protection erosion control installed.

C. The unit of measurement for payment is each.

1.4 ADJUST EXISTING STRUCTURE FRAME CASTING

A. The unit price for Adjusting Existing Structure Frame Casting work includes:
   2. Removal of the casting and existing adjusting rings from the structure as required.
   3. Providing concrete adjusting rings and a 2 inch rubber riser ring from the WisDOT approved product list.
   4. Bituminous plastic cement sealing the exterior of the adjusting rings and casting.
   5. The ring will be secured to the precast section with a 3 ½ inch wide Kent Seal or equal.
   6. Above the concrete ring attach ¼ inch thru 3 inch thick ring using two 5/16 inch bead above and below the ring of sealant type as recommended by the rubber manufacturer.
   7. Initial and final adjustment.
   8. Backfilling and compacting.

B. Measurement for payment will be the actual number of structure frame casting adjusted.

C. The unit of measurement for payment is each.

1.5 PERMANENT SIGNING

A. The unit price for Permanent Signing work includes:
   2. Removing all signs and sign supports as shown in the details. Providing any granular backfill for any voids created.
   3. Moving all signs and sign supports as shown in the details.
   4. Providing and installing all wood posts as shown in the details, including providing box outs as shown in the plans and details. All wood post should be 4” x 6” with the appropriate lengths.
   5. Providing and installing all reflective signs as shown in the details.
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7. Restoration.
8. Completed per the general notes on the exhibits.

B. Measurement of payment will be based on the actual number of signs installed.

C. The unit of measurement for payment is per each.

1.6 TRAFFIC CONTROL

A. The unit price for Traffic Control work includes:
   2. Providing, installing, maintaining, and removing the traffic control signing and barricades as shown on the plans or per the MUTCD.
   3. Traffic Detour, including covering signs when not in use (if applicable).
   4. Flaggers per the MUTCD.
   5. Temporary traffic control signals (activated) per the MUTCD, if utilized.

B. Measurement for payment will not be made.

C. The unit of measurement for payment is for each location as a lump sum.

END OF SECTION
SECTION 01 22 10

MEASUREMENT AND PAYMENT ELECTRICAL

PART 1 – GENERAL

1.1 SUMMARY

A. Section includes:

1. Conduit
2. Pull Box
3. Concrete Bases
4. Poles Type 5-Aluminum Anodized Black
5. Transformer Base Breakaway
6. Luminaire Arms
7. Lighting Control Cabinet, 120/240 24-Inch
8. Electrical Service Meter Breaker Pedestal
9. Electrical Wire
10. Luminaire
11. Remove Existing Light Pole and Base

B. Unit Prices include:

1. Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.
2. The method of measurement for payment.
3. The price per unit for payment.

1.2 GENERAL WORK ITEMS

A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for electric and lighting systems.

B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.

1. Traffic Control.
2. Sawcutting asphalt and/or concrete.
3. Removal, hauling and disposal of surface materials including road pavement, curb and gutter, sidewalk, driveways and other pavement surfaces in the trench area and as shown on the drawings.
4. Excavation/plowing
5. Backfilling and compacting native obtained from the excavation.
6. Supplying, hauling, backfilling and compacting granular material.
7. Loading, hauling and disposing of surplus excavated material.
9. Maintenance, protection, replacement and/or repair of facilities not designated for alteration on the Site beyond the limits identified.
10. Restroom facilities.
11. Easement and right-of-way requirements.
12. Construction staking and other survey work not provided by the Engineer.
13. Regulatory requirements.
14. Preconstruction videotaping and video equipment.
15. Quality assurance and quality control testing and inspections.
16. Shop drawings and other submittals.

1.3 CONDUIT

A. The unit price for Electrical Wire includes:
   2. Providing and installing conduit for electrical wire.
   3. For providing all connectors.

B. Measurement for payment will be by the linear foot.

C. The unit of measurement for payment is linear feet.

1.4 PULL BOXES

A. The unit price for Pull Boxes includes:
   2. Providing and installing all materials including drain piping components and aggregate.
   3. For providing and installing manhole frames and covers.
   4. For all pull box extensions and conduit extensions less than 10 feet long including fittings.
   5. For excavating, backfilling, and disposing of surplus materials, and for restoring the site.

B. Measurement for payment will be as each individual box.

C. The unit of measurement for payment is by each.

1.5 CONCRETE BASES

A. The unit price for Concrete Bases includes:
   2. Providing, installing, and protecting the concrete base.
   3. For embedded conduit and electrical components.
4. For furnishing and installing anchor rods, nuts, washers, ground electrodes, connections, conduit and fittings.
5. For bar steel reinforcement, if required.
6. For excavating, backfilling, and disposing of surplus materials, and restoring the site.

B. Measurement for payment will be as each individual base.

C. The unit of measurement for payment is by each.

1.6 POLES, TYPE 5-ALUMINUM, ANODIZED BLACK

A. The unit price for Poles, Type 5-Aluminum, Anodized Black includes:
   2. Providing and installing poles including grounding lugs and related mounting hardware.
   3. For hardware and fitting necessary to install the poles.
   4. For leveling shims, dampeners, and for corrosion protection.

B. Measurement for payment will be as each individual pole.

C. The unit of measurement for payment is by each.

1.7 TRANSFORMER BASE BREAKAWAY, ANODIZED BLACK WITH FACTORY APPLIED BLACK FINISH

A. The unit price for Transformer Base Breakaway, Anodized Black with Factory Applied Black Finish includes:
   2. Providing and installing the Transformer Base including grounding lugs and related mounting hardware.
   3. For leveling shims and for corrosion prevention.

B. Measurement for payment will be as each individual transformer base.

C. The unit of measurement for payment is by each.

1.8 LUMINAIRE ARM, ANODIZED BLACK

A. The unit price for Luminaire Arm, Anodized Black includes:
   2. Providing and installing the arm including related mounting hardware and shims.

B. Measurement for payment will be as each individual arm.

C. The unit of measurement for payment is by each.
1.9  LIGHTING CONTROL CABINET, 120-240, 24-INCH

A. The unit price for Lighting Control Cabinet, 120-240 24-inch work includes:
   2. Providing and installing the lighting cabinet together with the circuit wiring connections, hardware, and fittings.
   3. Providing 20 amp breakers for the six 2P branch breakers shown in the control cabinet schematic.

B. Measurement of payment will be as each individual lighting control cabinet.

C. The unit of measurement for payment is each.

1.10  ELECTRICAL SERVICE METER BREAKER PEDESTAL

A. The unit price for Electrical Service Meter Breaker Pedestal (Fortune Avenue) work includes:
   2. Furnishing and installing an approved meter breaker pedestal, steel tubing, stainless steel bolts, grounding electrodes, connections, steel reinforcement (where required), anchor rods, nuts, washers, conduit and fittings.
   3. All necessary conductors and equipment required by the local utility for a service connection.
   4. Installing an approved meter seal at all access points on the meter trough.
   5. For embedded conduit and electrical components.
   6. Providing, installing, and protecting the concrete foundation.
   7. For excavating, backfilling, disposing of surplus materials, and restoring the site.
   8. For providing the equipment and installation of a complete and operational system commencing from the load side of the service transformer.
   9. For requesting a commercial electrical inspection from the City’s building inspection department. Anticipate three (3) business days for the City to complete the inspection. The fee for this inspection will be waived.
   10. For coordinating with the City and Wisconsin Public Service Corporation (WSPC) before any equipment is installed.

B. Measurement for payment will be based on the number installed.

C. The unit of measurement for payment is each.

1.11  ELECTRICAL WIRE LIGHTING

A. The unit price for Electrical Wire Lighting includes:
   2. Providing and installing the electrical wire and for making all connections.
3. For providing all connectors, including wire nuts, fuses, fuse holders, splices, tape, insulating varnish or sealant, and for testing circuits.
4. Verify all voltages drops does not exceed 3% and make sure connections meet local, state, and federal codes.
5. Underground wiring shall be sized per load and code requirements.

B. Measurement for payment will be by the linear foot, measured separately for each conductor.

C. The unit of measurement for payment is linear feet.

1.12 LUMINAIRE

A. The unit price for Luminaire work includes:
   2. Furnishing and installing all materials, including a 250 watt equivalent LED luminaire with shorting cap, accessories, hardware, and fittings necessary to install the luminaire in workable first class condition.
   3. Providing photometric point-by-point analysis drawings based on the spacing found on the plans using 0.75 as a combined depreciation factor.
   4. Provide a minimum warranty of 10 years from the date of installation.

B. Measurement of payment will be as each individual lighting unit.

C. The unit of measurement for payment is each.

1.13 REMOVE STREET LIGHTS AND CONCRETE BASES

A. The unit price for Remove Street Lights and Concrete Bases includes:
   2. Remove street lights and concrete bases as shown on plans.
   3. Provide and place salvaged backfill or other approved material in all trenches or holes resulting from the removal.
   4. Place light poles and fixtures materials for salvage in a neat pile outside of the construction limits but within the right of way at locations the engineer approves.
   5. Hauling and disposal of all concrete, stone, conduit, and other material not designated for salvage in accordance with all regulations governing solid waste disposal.
   6. Disconnect wires at adjacent light/pull box.

B. Measurement for payment will be based on the number of concrete bases and street lights removed.

C. The unit of measurement for payment is each.
SECTION 01 29 00
PAYMENT PROCEDURES

PART 1 – GENERAL

1.1 SUMMARY
A. This section includes:
   1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 SCHEDULE OF VALUES
A. Unit Price work will be the Schedule of Values used as the basis for reviewing Applications for Payment.

1.3 APPLICATIONS FOR PAYMENT
A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.

B. The date for each progress payment should be the 3rd Wednesday of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends the 4th Friday of the Month.

C. Use forms provided by Engineer for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 00 62 76.

D. Application Preparation Procedures
1. When requested by the Contractor, the Engineer will determine the actual quantities and classifications of Unit Price Work performed.
   a. Preliminary determinations will be reviewed with the Contractor before completing Application for Payment.
   b. Engineer will complete the Application for Payment based on Engineer’s decision on actual quantities and classifications.
   c. Engineer will submit three original copies of Application for Payment to Contractor for certification of all three original copies.
   d. Contractor shall submit signed Application for payment to Owner for approval within time frame agreed to at the Preconstruction Conference.

2. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
   a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.
b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.
c. Evidence that the materials and equipment are covered by property insurance.

3. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.

E. With each Application for Payment, submit waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
   1. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
   2. When an application shows completion for an item, submit final or full waivers.
   3. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
   4. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application.
   5. Submit waivers of lien on forms executed in a manner acceptable to Owner.

F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
   1. List of subcontractors.
   2. Schedule of Values (For Lump Sum Work).
   3. Contractor’s construction schedule.

G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
   1. Evidence of completion of Project closeout requirements.
   2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
   3. Updated final statement, accounting for final changes to the Contract Sum.
   4. Consent of Surety to Final Payment.
   5. Final lien waivers as evidence that claims have been settled.
   6. Final liquidated damages settlement statement.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION
SECTION 01 32 33
CONSTRUCTION PHOTOGRAPHS

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Photographs for utility construction sites.

1.2 SUBMITTALS

A. Submit electronic files of each photographic view within seven (7) days of taking photographs.

1.3 QUALITY ASSURANCE

A. Photographs are to be submitted to the Engineer for approval prior to the start of construction.

PART 2 – PRODUCTS

PART 3 – EXECUTION

3.1 UTILITY AND STREET CONSTRUCTION SITES

A. Prior to start of construction provide sufficient photographs to adequately show the existing facilities and conditions within and adjacent to the construction Site to serve as a guide for final restoration including:
   1. Roads including shoulders and/or curb and gutter.
   2. Sidewalks, parking areas, and driveways.
   4. Landscaping including signs, plantings, walls, fences, trees, shrubbery, etc.
   5. Mailboxes.
   6. Drainage facilities including culverts, inlets, ditches.
   7. Building structures.

B. During construction provide sufficient photographs (a minimum of one per 100 feet of installed utility) to adequately show construction means, methods, and Site conditions including:
   1. Crossings of other utilities.
   2. Exposure of existing structures.
   3. Soil conditions.

END OF SECTION
1.1 SUMMARY

A. Section includes administrative and procedural requirements for submittals:
   1. Progress Schedule.
   2. Schedule of Shop Drawings and Sample Submittals.
   3. Shop Drawings.

B. Failure to meet Submittal requirements to the satisfaction of the Engineer will constitute unsatisfactory performance of the work in accordance with the Contract Documents, therefore, the Engineer may recommend to the Owner that all or a portion of payments requested during the corresponding pay period be withheld until these requirements are met.

1.2 SUBMITTAL PROCEDURES

A. Coordination: Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
   1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
   2. Coordinate transmittal of different types of submittals for related elements of the work so processing will not be delayed by the need to review submittals concurrently for coordination.
      a. The Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received.
   3. To avoid the need to delay installation as a result of the time required to process submittals, allow sufficient time for submittal review, including time for re-submittals.
      a. Allow two weeks for initial submittal.
      b. Allow two weeks for reprocessing each submittal.
      c. No extension of Contract Time will be authorized because of failure to transmit submittals to the Engineer sufficiently in advance of the work to permit processing.

B. Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.
   1. Assign a reference number to each submittal and re-submittal.
   2. Provide a space approximately four (4) by five (5) inches (100 by 125 mm) on the label or beside the title block on Shop Drawings to record the Contractor’s review and approval markings and the action taken.
   3. Include the following information on the label for processing and recording action taken.
a. Project name.
b. Date.
c. Name and address of the Engineer.
d. Name and address of the Contractor.
e. Name and address of the subcontractor.
f. Name and address of the supplier.
g. Name of the manufacturer.
h. Number and title of appropriate Specification Section.
i. Drawing number and detail references, as appropriate.

4. Each submittal shall be stamped by the Contractor indicating that submittal was reviewed for conformance with the Contract Documents. The Engineer will not accept unstamped submittals.

C. Submittal Transmittal: Package each submittal appropriately for transmittal and handling. Transmit each submittal to the Engineer. The Engineer will not accept submittals received from sources other than the Contractor.

1. On the transmittal, record relevant information and requests for Engineer action. On a form, or separate sheet, record deviations from Contract Document requirements, including variations, limitations, and justifications. Include Contractor’s certification that information complies with Contract Document requirements.

1.3 CONTRACTOR’S PROGRESS SCHEDULE

A. Prepare and submit to the Engineer within 10 (ten) days after the Effective Date of the Agreement, four copies of a preliminary progress schedule of the work activities from Notice to Proceed until Substantial Completion.

1. Provide sufficient detail of the work activities comprising the schedule to assure adequate planning and execution of the work, such that in the judgment of the Engineer, it provides an appropriate basis for monitoring and evaluation of the progress of the work. A work activity is defined as an activity which requires substantial time and resources (manpower, equipment, and/or material) to complete and must be performed before the contract is considered complete.

2. The schedule shall indicate the sequence of work activities. Identify each activity with a description, start date, completion date and duration. Include, but do not limit to the following items, as appropriate to this contract:
   a. Shop drawing review by the Engineer.
   b. Excavation and grading.
   c. Asphalt and concrete placement sequence.
   d. Restoration.
   e. Construction of various segments of utilities.
   f. Subcontractor’s items of work.
   g. Allowance for inclement weather.
   h. Contract interfaces, date of Substantial Completion.
   i. Interfacing and sequencing with existing facilities and utilities.
j. Sequencing of major construction activities.
k. Milestones and completion dates.

B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.

C. Schedule Updating: Revise the schedule after each meeting, event, or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

D. Punch List: Prepare and submit to the Engineer within ten (10) days after substantial completion a detailed progress schedule for outstanding work and punch list items.

1.4 SCHEDULE OF SHOP DRAWINGS AND SAMPLE SUBMITTALS

A. Submit four (4) hard copies or electronic copies of preliminary submittal schedule in accordance with the General Conditions of the Contract and as follows:
   1. Coordinate submittal schedule with the subcontractors, Schedule of Values, and of products as well as the Contractor’s Progress Schedule.
   2. Prepare the schedule in chronological order. Provide the following information:
      a. Scheduled date for the first submittal.
      b. Related Section number.
      c. Submittal category (Shop Drawings, Product Data, or Samples).
      d. Name of the subcontractor.
      e. Description of the part of the work covered.
      f. Scheduled date for the Engineer’s final release or approval.

B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. Post copies in the field office. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.

C. Schedule Updating: Revise the schedule after each meeting or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

1.5 SHOP DRAWINGS

A. Submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or
copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.

B. Collect product data into a single submittal for each element of construction of system. Product data includes printed information, such as manufacturer’s installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.
   1. Mark each copy to show actual product to be provided. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information. Include the following information:
      a. Manufacturer’s printed recommendations.
      b. Compliance with trade association standards.
      c. Compliance with recognized testing agency standards.
      d. Application of testing agency labels and seals.
      e. Notation of dimensions verified by field measurement.
      f. Notation of coordination requirements.

C. Do not use shop drawings without an appropriate final stamp indicating action taken.

D. Submittals: Submit four (4) copies of each required submittal. The Engineer will retain two (2) copies, and return the others to the Contractor marked with action taken and corrections or modifications required.

E. Distribution: Furnish copies of reviewed submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms. Maintain one copy at the project site for reference.
   1. Do not proceed with installation until a copy of the Shop drawing is in the Installer’s possession.
   2. Do not permit use of unmarked copies of the Shop Drawing in connection with construction.

1.6 ENGINEER’S ACTION

A. Except for submittals for the record or information, where action and return is required, the Engineer will review each submittal, mark to indicate action taken, and return promptly. The Engineer will stamp each submittal with a uniform action stamp. The Engineer will mark the stamp appropriately to indicate the action taken, as follows:
   1. “No Exceptions Taken”: The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
   2. “Make Corrections Noted”: The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
3. “Amend and Resubmit”: Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked “Amend and Resubmit” at the Project Site or elsewhere where work is in progress.

4. “Rejected – See Remarks”: Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked “Rejected and Resubmit” at the Project Site or elsewhere where work is in progress.

B. Unsolicited Submittals: The Engineer will return unsolicited submittals to the sender without action.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION
SECTION 01 41 00

REGULATORY REQUIREMENTS

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Underground Utilities.
   2. Property Monuments.
   3. Traffic Control.
   4. Permits for Project.

1.2 UNDERGROUND UTILITIES

A. Under the provisions of Wisconsin Statutes, Section 182.0175, all contractors, subcontractors, and any firm or individual intending to do work on this Contract shall contact all utility firms in the affected area of construction a minimum of three (3) working days prior to beginning construction so that affected utilities will be located and marked.

1.3 PROPERTY MONUMENTS

A. Protect iron pipe monuments from movement.

B. The cost of replacement of any monuments moved or destroyed during construction shall be the Contractor’s responsibility.

C. Perpetuation of destroyed or moved monuments shall be performed in accordance with state statutes by a registered land surveyor.

1.4 TRAFFIC CONTROL

A. Provide traffic control facilities including barricades, signs, lights, warning devices, pavement markings, flaggers, etc.

B. Construct and use traffic control facilities in accordance with the U.S. D. O. T. Federal Highway Administration’s Manual on Uniform Traffic Control Devices for Streets and Highways.

C. Maintain traffic control devices as required to properly safeguard the public travel through final completion, including during periods of suspension of work.

1.5 PERMITS FOR PROJECT

A. The following permits are being obtained by the Owner:
1. WDNR – Notice of Intent (NOI)

B. Any costs associated with violations pertaining to the NOI permit will be the responsibility of the Contractor.

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not used)

END OF SECTION
SECTION 01 71 23

FIELD ENGINEERING

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Engineering Surveys Provided by the Engineer.
   2. Engineering Surveys Provided by the Contractor.

1.2 SUBMITTALS

A. None

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION

3.1 PREPARATION

A. Investigate and verify the existence and location of site improvements, utilities, and other existing facilities.

B. Before construction, verifying the location of invert elevations at points of connection of sanitary sewer, storm sewer, water piping and underground electrical services.

C. Furnish information to the Engineer and the appropriate utility regarding conflicts that are necessary to adjust, move, or relocate existing utility structures, utility poles, lines, services, or other utility appurtenances located in or affected by construction.

D. Provide the Engineer two (2) working days advance notification when ready for engineering surveys for construction to be provided by the Engineer.

3.2 ENGINEERING SURVEYS TO BE PROVIDE BY THE ENGINEER

A. General
   1. Establish benchmarks for construction as shown on the drawings.
   2. Establish control points as shown on the drawings.

B. Gravity Sewer Systems and Water Distribution Systems
   1. Provide construction reference stakes set for pipe construction location at critical changes in horizontal and vertical alignment.
2. Provide construction stakes for location of pipe at connections.

C. New Road Construction
1. Provide construction slope intercept stakes for horizontal and vertical alignment on each side of the road base on each cross section in the cross section sheets for requests received at least seventy-two (72) hours before the related work begins.
2. Provide construction reference stakes for subgrade at a minimum of fifty (50) foot intervals and maximum of one-hundred (100) foot intervals on tangents. Provide construction reference stakes for subgrade at twenty-five (25) foot intervals within vertical and horizontal curves. Provide a reference line stake at each location.
3. Provide construction reference stakes for top of crushed aggregate at a minimum of fifty (50) foot intervals and maximum of one-hundred (100) foot intervals on tangents. Provide construction reference stakes for top of crushed aggregate at twenty-five (25) foot intervals within vertical and horizontal curves. Provide a reference or centerline stake.

3.3 ENGINEERING SURVEYS TO BE PROVIDED BY THE CONTRACTOR

A. General
1. Locate, preserve and protect established construction reference stakes, benchmarks and control points.
2. Locate, preserve and protect property corners and section corner monuments. If moved or destroyed due to Contractor negligence, then replace in accordance with state requirements; some of which are referenced in the “Regulatory Requirements”.
3. Provide additional construction staking as necessary to complete construction based on the construction reference stakes provided by the Engineer and the Drawings.
4. Before beginning with necessary construction staking, verify the information shown on the Drawings, in relation to the established construction reference stakes, bench marks, control points and property corners. Notify the Engineer of any discrepancies.
5. Remove construction reference stakes when directed by the Engineer.

B. Gravity Sewer Systems and Water Distribution Systems
1. Provide any intermediate construction reference points as required to verify installation at the line and grade established and locate appurtenant structures.
2. Check the line and grade with construction reference stakes at each pipe length.

C. New Road Construction
1. Provide additional construction reference stakes necessary to establish location and grade in accordance with the plans.

END OF SECTION
PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Conduit
   2. Pull Box 24x42-Inch
   3. Concrete Bases
   4. Electrical Wire Lighting
   5. Electrical Service Meter Breaker Pedestal (Fortune Avenue)
   6. Luminaires LED, 250 Watt equivalent
   7. Poles, Type 5-Aluminum Anodized Black,
      Traffic Signal Standards-Aluminum, factory applied black finish
      Luminaire Arms Single Member, 4 ½-inch Clamp 8-FT, anodized black
      Transformer Base Breakaway 11 ½-Inch Bolt Circle, anodized black with factory applied black
      finish
   8. Luminaire Fixtures
   9. Lighting Control Cabinet (120/240 Volt) (24” Width)

1.2 REFERENCES

A. State of Wisconsin, Department of Transportation, Standard Specification for Highway and Structure Construction, current edition, and all supplemental and interim supplemental specifications, as they may pertain, except the items: method of measurement and basis of payment shall not apply.

B. American Association of State Highway and Transportation Officials (AASHTO).

1.3 SUBMITTALS

A. Submit manufacturer’s certification for each product stated that products delivered comply with the requirements of this section and the referenced standard.

B. Solid-State Light Fixture Product Checklist (See appendix)

C. Luminaire specification sheet.

D. Driver specification sheet.

E. Surge protection specification sheet.
F. IES LM-79 test report (include photometry and colorimetry). The photometry should be based on an actual working product, not a prototype or computer model.

G. Performance (photometric) calculations. Use the following additional design parameters in conjunction with the plan and the information provided on the “Solid-State Light Fixture Product Checklist” to calculate photometric point-by-point analysis drawings for the street. Submit these calculations to the Engineer in a drawing size necessary to ensure legibility of each number on the roadway. These drawings shall accompany the solid-state light fixture specification sheet and driver specification sheet. Be sure to assign the road name to each applicable fixture type. Number all pages for reference during review. A .dwg or point file can be provided on request.
   1. Additional Parameters:
      a) The new pavement is type R1.
      b) Provide the photometric coverage required based on plan pole locations and spacing. Use .75 as a combined depreciation factor.

H. Product warranty information identifying a minimum warranty of 10 years.

I. Light levels anticipated at 30% life in accordance with LM79.

PART 2 – PRODUCTS

2.1 CONDUIT

A. Conform to WisDOT Standard Specification for Highway and Structure Construction Section 652 for electrical conduit. The minimum conduit size is 2-inch.

2.2 PULL BOX 24x42-INCH

A. Conform to WisDOT Standard Specification for Highway and Structure Construction Section 653 for Pull Boxes.

2.3 CONCRETE BASES

A. Conform to WisDOT Standard Specification for Highway and Structure Construction Section 654 for Concrete Bases.

2.4 ELECTRICAL WIRE LIGHTING

A. Conform to WisDOT Standard Specification for Highway and Structure Construction Section 655 for Electrical Wire Lighting.

2.5 ELECTRICAL SERVICE METER BREAKER PEDESTAL
A. Furnish a service having a meter breaker pedestal in accordance with section 656.2.3 of the WisDOT specification and as the plans show.

2.6 POLES

A. Include the following:
   1. Poles, Type 5-Aluminum Anodized Black
   2. Traffic Signal Standards
   3. Luminaire Arms Single Member, 4 ½-Inch Clamp 8-Ft, Anodized Black
   4. Transformer Base Breakaway 11 ½-Inch Bolt Circle, Anodized Black with Factory Applied Black Finish

B. Conform to WisDOT Standard Specification for Highway and Structure Construction Section 657 for poles, arms, standards, and bases. Poles and arms will be aluminum anodized black. Transformer bases and pedestal bases will be anodized black and have a factory applied black finish.

2.7 LUMINARIE FIXTURES

A. The luminaire fixtures shall be one of the following:
   1. RVM-160W96LED4K-R-LE3-(VOLT)-DMG-[API-008]-RCD7-GY3 (0.85 Total LLF for design) from Phillips.
   2. BXUL9112&(STR-LWY-3M-HT-10-E-(VOLT)-SV-700-40K-7PIN-UTL(+)) (0.855 Total LLF for design) from CREE.
   3. GC1-80F-(VOLT)-NW-3-GY-700-PCR7-WISDOT-C-SC (0.855 Total LLF for design) from Leotek.
   4. ATB2-60B-LEDE10-VOLT-R2-P7-SH-RFD189565 (0.846 Total LLF for design) from American Electric Acuity Brands Lighting, Inc.
   5. NVN-AE-03-D-VOLT-T3R-10K 4N7-AP-WISDOT (0.85 Total LLF for design) from Cooper.

B. LUMINAIRE MATERIALS

1. General Requirements:
   a. The luminaire manufacturer shall have produced LED street lighting luminaries for a minimum of 3 years at the time of bid.
   b. Proposed products must be available, in full production, at the time of this project. Prototypes and conceptual products will not be accepted.
   c. The manufacturer shall provide a warranty for 10 years (beginning on the date of substantial completion) for full replacement of fixture for catastrophic failure, or light levels below 70% of initially documented values excluding labor, tools, and miscellaneous materials with the following exception: Any documented light fixture failures exceeding 5% of the initial installed number of fixtures within the first 5 years shall afford the Owner the right to full replacement (including all necessary tools, labor, materials, traffic control, and incidentals necessary to bring the lighting system back to a complete and
The luminaire shall have a minimum 10 year warranty covering the entire luminaire (electronics, mechanical, finish). Knockdowns by the general public are excluded from manufacturer’s responsibility. The warranty will begin on the date of substantial completion.

2. Mechanical Requirements:
   a. Luminaire housing shall be made of cast or extruded aluminum, with low copper (<0.3%) alloys.
   b. Heat sinking for the LEDs and electrical components shall be integral to the housing, with no moving or active parts (it should be a passive heat sink). It shall be shaped to maximize heat movement, and designed so that dirt and debris will not accumulate between fins or channels.
   c. The luminaire shall include protection to keep birds from entering the housing.
   d. There shall be a four-bolt mounting system accommodating 1.66” to 2.38” OD tenons. The housing shall be designed to allow installations at a tilt angle of +/- 5 degrees.
   e. The luminaire shall have a minimum of 2G vibration rating per ANSI 136C.31. Situations requiring a 3G rating include bridges and overpasses.
   f. The luminaire shall not weigh more than 40 pounds.
   g. The luminaire shall operate in ambient temperatures of -40°C (-40°F) to +40°C (104°F).
   h. The factory finish shall match the pole and may be anodized instead of painted. The finish must withstand extreme weather changes without cracking or peeling and be guaranteed for five full years or more.

3. LED (Light Source) Requirements:
   a. The LEDs shall be from Cree, Phillips Lumileds, Nichia, or Osram.
   b. The LED package shall be tested for a minimum of 6000 hours per IES LM-80-08.
   c. The LEDs shall have a nominal correlated color temperature (CCT) between 4000 - 4500K.
   d. The LEDs shall have a minimum color rendering index (CRI) of 70.
   e. The projected L70 lifetime (the point in time at which the LEDs are expected to produce only 70% of their lumen output) for the luminaire shall be a minimum of 60,000 hours at 25°C.

4. Photometric Requirements:
   a. The luminaire optics shall be available with IES Type II and III distributions.
   c. The luminaire shall deliver 65 lumens per watt (LPW) minimum at 530 mA drive current.
   d. The optical portion of the luminaire must be protected to IP65 minimum, per ANSI C136.25, to prevent dirt and water from getting to the LED circuit board.
   e. The luminaire shall have been photometrically tested per IES LM-79-08 by an independent laboratory, or an in-house laboratory with NIST NVLAP accreditation.

5. Electrical Requirements:
   a. Provide all miscellaneous electrical components necessary to provide a complete and operable lighting system meeting local and National Electrical Code (NEC) requirements. All electrical components shall be UL listed for outdoor use.
   b. Provide 120V system, Power Factor>90%, Total Harmonic Distortion<20%.
c. The driver shall be available with input voltages ranges from 120-277 volts. Other installations may need to be available with dimming. Indicate if the fixture is compatible to be able to reduce light output by 50% and if there is an additional cost to provide.

d. The driver, as operated in the luminaire, must not exceed the driver manufacturer’s maximum case temperature limits for a rated life of at least 60,000 hours.

e. The luminaire shall be protected against surges according to IEEE C62.42 C High (10kA and kV).

f. The driver electronics shall be encapsulated and sealed to IP 65 rating. Drivers shall be easily accessible and removable without tools.

g. The luminaire shall have a shorting cap.

2.8 LIGHTING CONTROL CABINET

A. Furnish a lighting control cabinet in accordance with section 659 of the WisDOT specification together with the circuit wiring connections, hardware, and fittings as the plans show. Six 20 amp breakers will be required for the 2P branch breakers shown in the control cabinet schematic.

PART 3 – EXECUTION

3.1 CONSTRUCTION METHODS LUMINARIES

A. Luminaries

1. Furnish and install luminaries and all necessary miscellaneous accessories and hardware to complete the installation of the luminaries.

2. Follow manufacturer’s instructions regarding luminaire installation.

3. Three single-conductor No. 12 stranded wired shall be used to connect the luminaries to their respective branch conductors in the pole base. Each luminaire feeder wire shall be protected by one 5-amp fuse. Fuses and fuse holders shall be as per the details in the Plan.

4. All exposed threaded equipment mounting hardware shall be stainless steel. All threaded stainless steel hardware and dissimilar metal, threaded hardware shall be coated with an approved zinc-based anti-seize compound (Loctite or Jet-Lube) by the Contractor.

END OF SECTION