

HIGHWAY WORK PROPOSAL

Wisconsin Department of Transportation
DT1502 01/2020 s.66.0901(7) Wis. Stats

Proposal Number: **025**

<u>COUNTY</u>	<u>STATE PROJECT</u>	<u>FEDERAL</u>	<u>PROJECT DESCRIPTION</u>	<u>HIGHWAY</u>
Kenosha	3700-11-70	N/A	Signal Install & Signal Replacement; Various Signalized Intersections	VAR HWY

ADDENDUM REQUIRED ATTACHED AT BACK

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

Proposal Guaranty Required: \$40,000.00 Payable to: Wisconsin Department of Transportation	Attach Proposal Guaranty on back of this PAGE.
Bid Submittal Date: February 14, 2023 Time (Local Time): 11:00 am	Firm Name, Address, City, State, Zip Code
Contract Completion Time 65 Working Days	SAMPLE NOT FOR BIDDING PURPOSES
Assigned Disadvantaged Business Enterprise Goal 0%	This contract is exempt from federal oversight.

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

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

Subscribed and sworn to before me this date _____

(Signature, Notary Public, State of Wisconsin)

(Bidder Signature)

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

(Print or Type Bidder Name)

(Date Commission Expires)

(Bidder Title)

Notary Seal

Type of Work: Base, Concrete Pavement, Asphalt Pavement, Curb & Gutter, Sidewalk, Beam Guard, Signing, Signals, Pavement Marking.	For Department Use Only
Notice of Award Dated	Date Guaranty Returned

**PLEASE ATTACH
PROPOSAL GUARANTY HERE**

PROPOSAL REQUIREMENTS AND CONDITIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

BID PREPARATION

Preparing the Proposal Schedule of Items

A. General

- (1) Obtain bidding proposals as specified in section 102 of the standard specifications prior to 11:45 AM of the last business day preceding the letting. Submit bidding proposals using one of the following methods:
 1. Electronic bid on the internet.
 2. Electronic bid on a printout with accompanying diskette or CD ROM.
 3. Paper bid under a waiver of the electronic submittal requirements.
- (2) Bids submitted on a printout with accompanying diskette or CD ROM or paper bids submitted under a waiver of the electronic submittal requirements govern over bids submitted on the internet.
- (3) The department will provide bidding information through the department's web site at:

<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

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

- (5) The department will address equipment and process failures, if the bidder can demonstrate that those failures were beyond their control.
- (6) Contractors are responsible for checking on the issuance of addenda and for obtaining the addenda. Notice of issuance of addenda is posted on the department's web site at:

<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>

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

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

B. Submitting Electronic Bids

B.1 On the Internet

- (1) Do the following before submitting the bid:
 4. Have a properly executed annual bid bond on file with the department.
 5. Have a digital ID on file with and enabled by Info Tech Inc. Using this digital ID will constitute the bidder's signature for proper execution of the bidding proposal.
- (2) In lieu of preparing, delivering, and submitting the proposal as specified in 102.6 and 102.9 of the standard specifications, submit the proposal on the internet as follows:
 1. Download the latest schedule of items reflecting all addenda from the Bid Express™ web site.
 2. Use Expedite™ software to enter a unit price for every item in the schedule of items.
 3. Submit the bid according to the requirements of Expedite™ software and the Bid Express™ web site. Do not submit a bid on a printout with accompanying diskette or CD ROM or a paper bid. If the bidder does submit a bid on a printout with accompanying diskette or a paper bid in addition to the internet submittal, the department will disregard the internet bid.
 4. Submit the bid before the hour and date the Notice to Contractors designates.
 5. Do not sign, notarize, and return the bidding proposal described in 102.2 of the standard specifications.
- (3) The department will not consider the bid accepted until the hour and date the Notice to Contractors designates.

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

- (1) Download the latest schedule of items from the Wisconsin pages of the Bid Express web site reflecting the latest addenda posted on the department's web site at:
<https://wisconsin.gov/Pages/doing-bus/contractors/hcci/bid-let.aspx>
 Use Expedite™ software to prepare and print the schedule of items. Provide a valid amount for all price fields. Follow instructions and review the help screens provided on the Bid Express™ web site to assure that the schedule of items is prepared properly.

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

Bidder Name

BN00

Proposals: 1, 12, 14, & 22

- (3) If bidding on more than one proposal in the letting, the bidder may include all proposals for that letting on one diskette or CD ROM. Include only submitted proposals with no incomplete or other files on the diskette or CD ROM.
- (4) The bidder-submitted printout of the Expedite™ generated schedule of items is the governing contract document and must conform to the requirements of section 102 of the standard specifications. If a printout needs to be altered, cross out the printed information with ink or typewriter and enter the new information and initial it in ink. If there is a discrepancy between the printout and the diskette or CD ROM, the department will analyze the bid using the printout information.

- (5) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
1. The check code printed on the bottom of the printout of the Expedite™ generated schedule of items is not the same on each page.
 2. The check code printed on the printout of the Expedite™ generated schedule of items is not the same as the check code for that proposal provided on the diskette or CD ROM.
 3. The diskette or CD ROM is not submitted at the time and place the department designates.

B Waiver of Electronic Submittal

- (1) The bidder may request a waiver of the electronic submittal requirements. Submit a written request for a waiver in lieu of bids submitted on the internet or on a printout with accompanying diskette or CD ROM. Use the waiver that was included with the paper bid document sent to the bidder or type up a waiver on the bidder's letterhead. The department will waive the electronic submittal requirements for a bidding entity (individual, partnership, joint venture, corporation, or limited liability company) for up to 4 individual proposals in a calendar year. The department may allow additional waivers for equipment malfunctions.
- (2) Submit a schedule of items on paper conforming to section 102 of the standard specifications. The department charges the bidder a \$75 administrative fee per proposal, payable at the time and place the department designates for receiving bids, to cover the costs of data entry. The department will accept a check or money order payable to: "Wisconsin, Dept. of Transportation."
- (3) In addition to the reasons specified in section 102 of the standard specifications, proposals are irregular and the department may reject them for one or more of the following:
 1. The bidder fails to provide the written request for waiver of the electronic submittal requirements.
 2. The bidder fails to pay the \$75 administrative fee before the time the department designates for the opening of bids unless the bidder requests on the waiver that they be billed for the \$75.
 3. The bidder exceeds 4 waivers of electronic submittal requirements within a calendar year.
- (4) In addition to the reasons specified in section 102 of the standard specifications, the department may refuse to issue bidding proposals for future contracts to a bidding entity that owes the department administrative fees for a waiver of electronic submittal requirements.

PROPOSAL BID BOND

DT1303 1/2006

Wisconsin Department of Transportation

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

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

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

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

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

PRINCIPAL

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

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

(Company Name)

(Signature and Title)

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

(Signature of Attorney-in-Fact)

NOTARY FOR PRINCIPAL

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

NOTARY FOR SURETY

(Date)

State of Wisconsin)
) ss.
_____ County)

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

(Signature, Notary Public, State of Wisconsin)

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

(Date Commission Expires)

Notary Seal

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

CERTIFICATE OF ANNUAL BID BOND

DT1305 8/2003

Wisconsin Department of Transportation

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

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

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

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

(Signature of Authorized Contractor Representative)

(Date)

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

Instructions for Certification

1. By signing and submitting this proposal, the prospective contractor is providing the certification set out below.
2. The inability of a person to provide the certification required below will not necessarily result in denial of participation in this covered transaction. The prospective contractor shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective contractor to furnish a certification or an explanation shall disqualify such person from participation in this transaction.
3. The certification in this clause is a material representation of fact upon which reliance was placed when the department determined to enter into this transaction. If it is later determined that the contractor knowingly rendered an erroneous certification in addition to other remedies available to the Federal Government the department may terminate this transaction for cause or default.
4. The prospective contractor shall provide immediate written notice to the department to whom this proposal is submitted if at any time the prospective contractor learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.
5. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of the rules implementing Executive Order 12549. You may contact the department to which this proposal is being submitted for assistance in obtaining a copy of those regulations.
6. The prospective contractor agrees by submitting this proposal that, should this contract be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department entering into this transaction.
7. The prospective contractor further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," which is included as an addendum to PR- 1273 - "Required Contract Provisions Federal Aid Construction Contracts," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.
8. The contractor may rely upon a certification of a prospective subcontractor/materials supplier that it is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A contractor may decide the method and frequency by which it determines the eligibility of its principals. Each contractor may, but is not required to, check the Disapproval List (telephone # 608/266/1631).

9. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of a contractor is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.
10. Except for transactions authorized under paragraph 6 of these instructions, if a contractor in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department may terminate this transaction for cause or default.

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

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

Special Provisions

Table of Contents

Article	Description	Page #
1.	General.....	3
2.	Scope of Work.....	3
3.	Prosecution and Progress.....	3
4.	Traffic.....	5
5.	Holiday and Special Event Work Restrictions.....	6
6.	Utilities.....	6
7.	Railroad Insurance and Coordination - Soo Line Railroad Company (CP).....	7
8.	Information to Bidders, U.S. Army Corps of Engineers Section 404 Permit.....	9
9.	Public Convenience and Safety.....	9
10.	Erosion Control.....	9
11.	Archaeological Sites.....	10
12.	Notice to Contractor – Airport Operating Restrictions.....	10
13.	Notice to Contractor – Kenosha County Transit System.....	11
14.	Topsoil and Salvaged Topsoil.....	11
15.	Fertilizer Type B.....	11
16.	Seeding Mixture No. 30.....	12
17.	Traffic Signals, General.....	12
18.	Remove Traffic Signals STH 165 & CTH H, Item 204.9060.S.01.....	12
19.	Remove Loop Detector Wire and Lead-in Cable, STH 165 & CTH H, Item 204.9060.S.02.....	13
20.	General Requirements for Electrical Work.....	14
21.	Electrical Conduit.....	14
22.	Electrical Service Meter Breaker Pedestal, Item 656.0200.01.....	14
23.	Traffic Signal Faces.....	15
24.	Pedestrian Push Buttons.....	15
25.	Lamp, Ballast, LED, Switch Disposal by Contractor, Item 659.5000.S.....	15
26.	Temporary Traffic Signal for Intersections STH 165 & CTH H Item 661.0200.01.....	16
27.	Install Camera Assembly, Item 677.0200.....	18
28.	Install Poles Type 9 Special, Item SPV.0060.01; Install Poles Type 12, Item SPV.0060.02; Install Poles Type 12 Over Height, Item SPV.0060.03; Install Monotube Arms 35-FT Type 9/10 Spec Pole, Item SPV.0060.04; Install Monotube Arms 40-FT Type 9/10 Spec Pole, Item SPV.0060.05; Install Monotube Arms 45-FT Type 9/10 Spec Pole, Item SPV.0060.06; Install Monotube Arms 35-FT Type 12/13 Pole, Item SPV.0060.07; Install Monotube Arms 40-FT Type 12/13 Pole, Item SPV.0060.08; Install Monotube Arms 55-FT, Item SPV.0060.09.....	18
29.	Trnspt & Install State Furnished Traffic Signal Cabinet STH 158 & E Frontage Rd, Item SPV.0060.10; Trnspt & Install State Furnished Traffic Signal Cabinet STH 165 & CTH H, Item SPV.0060.11.....	19
30.	Transport Traffic Signal & Intersection Lighting Materials STH 158 & E Frontage Rd, Item SPV.0060.12; Transport Traffic Signal & Intersection Lighting Materials STH 165 & CTH H, Item SPV.0060.13.....	20

31.	Transport & Install State Furnished EVP Detector Heads STH 158 & E Frontage Rd, Item SPV.0060.14; Transport & Install State Furnished EVP Detector Heads STH 165 & CTH H, Item SPV.0060.15.	20
32.	Transport & Install State-Furnished Radar Detection System STH 158 & E Frontage Rd, Item SPV.0060.16.	21
33.	Temporary Infrared EVP System STH 165 & CTH H, Item SPV.0060.17.	22
34.	Install Fiber Optic Communications in Cabinet STH 158 & E Frontage Rd, Item SPV.0060.18.	23
35.	Concrete Base Type 10 Special Extension, Item SPV.0060.19.	23
36.	Utility Line Opening (ULO), Item SPV.0060.20.	24
37.	Cable Type UF 3-14 AWG, Item SPV.0090.01.	25
38.	Asphaltic Repair Special, Item SPV.0195.01.	25

STSP'S Revised June 28, 2022

SPECIAL PROVISIONS

1. General.

Perform the work under this construction contract for Project 3700-11-70, Signal Install & Signal Replacement, Various Signalized Intersections, Kenosha County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, 2023 Edition, as published by the department, and these special provisions.

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

100-005 (20220628)

2. Scope of Work.

The work under this contract shall consist of new traffic signal installation, traffic signal replacement, loop detectors and signal conduit placement/replacement, signal control cabinet, HMA and concrete pavement replacement, erosion control, pavement marking, permanent signing, traffic control and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

104-005 (20090901)

3. Prosecution and Progress.

Begin work within 10 calendar days after the engineer issues a written notice to do so.

Provide the time frame for construction of the project within the 2023 construction season to the engineer in writing within a month after executing the contract but at least 14 calendar days before the preconstruction conference. Assume that the time frame is consistent with the contract completion time. Upon approval, the engineer will issue the notice to proceed within 10 calendar days before the approved start date.

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

The Notice to Proceed will be issued such that work shall start on or after July 10, 2023, unless otherwise approved by the engineer.

Turtle Crossing Corridor

Both intersections are adjacent to a known low recorded usage turtle crossing corridor. If turtles are sighted, they shall be carefully moved to areas of suitable habitat immediately outside of the project area. Also, submit a turtle sighting at <http://wiatri.net/Inventory/WiTurtles/>.

The following avoidance/minimization measures (AMMs) shall be used, to reduce the likelihood of turtle mortality:

- Silt fencing equipped with turn-arounds at the ends and at any access openings needed in the fencing, shall be used to redirect turtles away from the openings. Access openings should be tightly secured with hay bales (incidental item) when construction-related activities are not occurring.
- Silt fencing shall be inspected at least twice weekly on non-consecutive days AND after any significant rain event. Repairs to the fencing shall be made immediately.
- Erosion matting consisting of biodegradable thread with independently moving strands shall be used to prevent turtle and other wildlife entrapment.

Ensure all operators, employees, and subcontractors working in areas of known or presumed turtle habitat are aware of environmental commitments and AMMs to protect both turtles and their habitat.

Guardrail Removal and Replacement – Contractor Access Point

Guardrail exists within the northeast and southeast quadrants of the intersection of STH 158 and East Frontage Road.

Install traffic control prior to removing guardrail as shown in the traffic control plan. Note the condition of the existing guardrail, posts, blocks, hardware, reflectors and mow strip prior to removal, and report any existing damage to the engineer.

To gain access to the work area behind the guardrail, removal of one entire 25-foot section of the existing guardrail and three posts is permitted as shown in the plans. Guardrail, posts, blocks, hardware and reflectors designated as salvable shall be removed without damage and salvaged for re-installation at the same locations per the plans. Replace contractor damaged materials that are to be salvaged. Do not cut guardrail sections. Temporarily backfill or cover the postholes (incidental to Salvaged Rail bid item). Protect the existing concrete mow strip and any other components identified as to remain.

Immediately following traffic signal installation, replace the affected guardrail, posts, blocks, and hardware to existing conditions per the plans. Install guardrail with overlapping connection points in the proper configuration for direction of adjacent traffic.

Project Restoration

All topsoil, seed, fertilizer, erosion mat, and restoration items at both project locations shall be completed no later than October 15, 2023.

Traffic and Construction Sequencing

- **STH 158 and East Frontage Road H Intersection**

For the signal installation at this location, EFR can be closed to traffic with a posted detour via West Frontage Road, for the duration of construction at this intersection. At least two through lanes of STH 158 shall be open to traffic at all times.

Construction work at this intersection shall be completed, and the intersection shall be fully opened to traffic within 40 working days from the intersection work start date.

- **STH 165 and CTH H Intersection**

Construction work at this intersection shall be completed, and the intersection shall be fully open to traffic within 40 working days from the intersection work start date.

For the signal installation at this location, full closure of CTH H is allowed for a duration of 20 working days within the 40 working day timeframe, during which all underground work shall be completed. During this phase, STH 165 through lanes shall be open to traffic. After the 20th working day, CTH H shall be open to traffic, and only intermittent lane closures are allowed.

Interim Completions and Liquidated Damages

Work on East Frontage Road and STH 158 Intersection, and closure of East Frontage Road: 40 Working Days

Full closure of East Frontage Road is allowed for a maximum of 40 consecutive working days. Complete all work at the STH 158 and East Frontage Road intersection within this timeframe.

If the contractor fails to complete all work and fully reopen the STH 158 and East Frontage Road intersection to traffic within 40 consecutive working days, the department will assess the contractor \$2,090 in interim liquidated damages for each working day the contract work remains incomplete beyond 40 working days. An entire working day will be charged for any period of time within a working day that the road remains closed beyond 12:01 AM.

Work on STH 165 and CTH H intersection: 40 Working Days

Complete all work at the STH 165 and CTH H intersection within 40 consecutive working days.

If the contractor fails to complete all work and fully reopen the STH 165 and CTH H intersection to traffic within 40 consecutive working days, the department will assess the contractor \$2,090 in interim liquidated damages for each working day the contract work remains incomplete beyond 40 working days. An entire working day will be charged for any period of time within a working day that the road remains closed beyond 12:01 AM.

Closure of CTH H at the STH 165 intersection: 20 Working Days

Within the 40 working day timeframe of work on the STH 165 and CTH H intersection, full closure of CTH H is allowed for 20 consecutive working days.

If the contractor fails to complete work necessary to reopen CTH H at the STH 165 intersection to traffic within 20 consecutive working days, the department will assess the contractor \$2,090 in interim liquidated damages for each working day the contract work remains incomplete beyond 20 working days. An entire working day will be charged for any period of time within a working day that the road remains closed beyond 12:01 AM.

If contract time expires prior to completing all work specified in the contract, additional liquidated damages will be affixed according to standard spec 108.11.

Northern Long-eared Bat (*Myotis septentrionalis*)

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

Ensure all operators, employees, and subcontractors working in areas of known or presumed bat habitat are aware of environmental commitments and avoidance and minimization measures (AMMs) to protect both bats and their habitat.

Direct temporary lighting, if used, away from wooded areas during the bat active season: April 1 to October 31, both dates inclusive.

If additional construction activities beyond what was originally specified are required to complete the work, approval from the engineer, following coordination with WisDOT REC, is required prior to initiating these activities. If trees with a 3-inch or greater diameter at breast height (dbh) need to be removed, no tree clearing shall occur without prior approval from the engineer, following coordination with the WisDOT REC. Tree removal will require consultation with the United States Fish and Wildlife Service (USFWS) and may require a bat presence/absence or visual emergency survey. Notify the engineer if tree clearing cannot be avoided to begin coordination with the WisDOT REC. The WisDOT REC will initiate consultation with the USFWS and determine if a survey is necessary.

4. Traffic.

General

The following is a general order of operations as shown in the traffic control plans. Submit to the engineer for approval a detailed traffic control plan for any changes to the proposed traffic control shown in the plans. Submit the plan 14 days prior to the Pre-Construction Conference, or if after the Pre-Construction conference 14 days prior to the intended use of the revised traffic control.

Notify emergency services, local municipalities, school bus companies, and Kenosha Transit (refer to Section 13 for details) 10 working days prior to the work start date. The contractor shall coordinate traffic restrictions with the area police and fire departments so emergency vehicle access is maintained at all times.

Maintain access to all driveways unless otherwise shown to be closed in the Traffic Control Plans.

Wisconsin Lane Closure System Advance Notification

Provide the following advance notification to the engineer for incorporation into the Wisconsin Lane Closure System (LCS).

TABLE 108-1 CLOSURE TYPE AND REQUIRED MINIMUM ADVANCE NOTIFICATION

Closure type with height, weight, or width restrictions (available width, all lanes in one direction < 16 feet)	MINIMUM NOTIFICATION
Lane and shoulder closures	7 calendar days
Full roadway closures	7 calendar days
Ramp closures	7 calendar days
Detours	7 calendar days
Closure type without height, weight, or width restrictions (available width, all lanes in one direction ≥ 16 feet)	MINIMUM NOTIFICATION
Lane and shoulder closures	3 business days
Ramp closures	3 business days
Modifying all closure types	3 business days

Discuss LCS completion dates and provide changes in the schedule to the engineer at weekly project meetings to manage closures nearing their completion date.

5. Holiday and Special Event Work Restrictions.

Do not perform work on, nor haul materials of any kind along or across any portion of the highway carrying STH 158, IH 41/94—East Frontage Road, STH 165 and CTH H traffic, and entirely clear the traveled way and shoulders of such portions of the highway of equipment, barricades, signs, lights, and any other material that might impede the free flow of traffic during the following holiday and special event periods:

- From noon Friday, June 30, 2023 to 6:00 AM Wednesday, July 5, 2023 for Independence Day;
- From noon Friday, September 1, 2023 to 6:00 AM Tuesday, September 5, 2023 for Labor Day;
- From noon on Wednesday, November 22, 2023 to 6:00 AM Monday, November 27 for Thanksgiving.

stp-107-005 (20210113)

6. Utilities.

This contract comes under the provision of Administrative Rule Trans 220.

Bidders are advised to contact each utility company listed in the plans prior to preparing their bids to obtain current information on the status of any utility work within the project work limits.

Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per state statute. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Known utilities in the project area are as follows:

AT&T Local Network has facilities within the project limits, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

AT&T Wisconsin has facilities within the project limits. Along STH 165, at Station 510+14, 84' RT, AT&T has a 6-conduit package near signal base. If required, adjustment can be done during construction. AT&T requires a minimum of 3 working days advanced notice.

Lumen/CenturyLink Communications, LLC (incl. Level 3) is leasing fiber facilities within the area of STH 165 and CTH H. No relocations are proposed.

Midwest Fiber Networks LLC has facilities within the project limits. Temporary signal pole WP2 was identified as a conflict by them. WisDOT had resolved the conflict by adjusting WP2 location.

Spectrum (Charter Communications LLC) has facilities within the project limits, at STH 165 and CTH H intersection. They had indicated to use caution while digging around Coax and fiber lines.

Village of Pleasant Prairie – Sewer has facilities within the project limits, at STH 165 and CTH H. No conflicts with the proposed work are anticipated.

Village of Pleasant Prairie – Water has facilities within the project limits, at STH 165 and CTH H. No conflicts with the proposed work are anticipated.

Vinakom – (INFORMATION TO BE PROVIDED BY ADDENDUM AFTER ADVERTISEMENT)

WE Energies-Electric has facilities within the project limits. No relocations are proposed.

WE Energies-Gas has facilities within the project limits. The following utility work is planned in the project corridor prior to construction at the STH 165 and CTH H intersection. WE Energies estimates that the work would take 10 working days to complete.

Tying into 8" gas main outside of the valve pit located at Station 511+61, 80' LT.

Installing an 8" p.e. gas main which elbows straight east and crosses STH 165 at Station 512+00.

Gas main will follow the southeast vision corner varying from 3.5' to 9' west of the east right-of-way of CTH H.

Tying into existing gas main on CTH H approximately at Station 28+65, 77' RT.

Any facilities not explicitly identified as being relocated and/or adjusted have been deemed to be not in conflict and will remain in place as is. It is expected that contractors will work safely around any facilities left within the work zone.

It is imperative that the highway contractor contact We Energies before removing any gas facilities or electrical underground cables, to verify that they have been discontinued and carry no natural gas or electrical current. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24-hour Dispatch lines to arrange for this verification.

We Energies Gas Dispatch, #1 (800) 261-5325

WisDOT Lighting has facilities within the project limits. No relocations are proposed.

stp-107-065 (20080501)

7. Railroad Insurance and Coordination - Soo Line Railroad Company (CP).

A Description

Comply with standard spec 107.17 for all work affecting Soo Line Railroad Company (CP) property and any existing tracks.

A.1 Railroad Insurance Requirements

In addition to standard spec 107.26, provide railroad protective liability insurance coverage as specified in standard spec 107.17.3. Insurance is filed in the name of Soo Line Railroad Company d/b/a Canadian Pacific.

Notify evidence of the required coverage, and duration to Brian Osborne, Manager Public Works; Canadian Pacific Plaza, 120 South 6th Street, Suite 700, Minneapolis, MN 55402; Telephone (612) 330-4555; E-mail: brian_osborne@cpr.ca.

Also send a copy to the following: Jason Kazmierski, SE Region Railroad Coordinator, 141 N. Barstow Street, Waukesha, WI 53188; Telephone (262) 548-6700; E-mail jason.kazmierski@dot.wi.gov.

Include the following information on the insurance document:

- Project ID: 3700-11-70
- Work Performed: Traffic Control

#	Route Name	City/County	Crossing ID	RR Subdivision	RR Milepost
1	STH 165 Lakeview Pkwy	Pleasant Prairie Kenosha	694898H	C&M Sub	49.48
2	CTH H 88th Avenue	Pleasant Prairie Kenosha	696383C	C&M Sub	49.93
3	CTH H 88th Avenue	Pleasant Prairie Kenosha	388035A	C&M Sub	50.12
4	95th Street	Pleasant Prairie Kenosha	388034T	C&M Sub	50.21

A.2 Train Operation

#	Passenger Train Volume	Passenger Train Speed	Freight Train Volume	Freight Train Speed	Frequency	Switch Train Comment*
1	16	79	36	60	Daily	No switch trains
2	16	79	36	60	Daily	There are switch trains in addition to through trains
3	16	79	36	60	Daily	No switch trains
4	16	79	36	60	Daily	No switch trains

* Switch trains are in addition to freight and passenger trains.

A.3 Names and Addresses of Railroad Representatives for Consultation and Coordination

Construction Contact

Brian Osborne, Manager Public Works; Canadian Pacific Plaza, 120 South 6th Street, Suite 700, Minneapolis, MN 55402; Telephone (612) 330-4555; E-mail brian_osborne@cpr.ca for consultation on railroad requirements during construction.

Amend standard spec 108.4 to include the railroad in the distribution of the initial bar chart, and monthly schedule updates. The bar chart shall specifically show work involving coordination with the railroad.

Flagging Contact

Greda Lynn, Grade Crossing Coordinator; Canadian Pacific Plaza, 120 South 6th Street, Suite 700, Minneapolis, MN 55402; Telephone (612) 258-6619; E-mail greda_lynn@cpr.ca a minimum of 40 working days in advance to arrange for a railroad flagger. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

* Contact SOO Line (CP) prior to letting for flagman work hour availability.

Cable Locate Contact

In addition to contacting Diggers Hotline, contact CP Call Before You Dig line at (866) 291-0741, five working days before the locate is needed. Reference the Crossing ID, Wisconsin Milepost and Subdivision found in A.1.

SOO Line (CP) will only locate railroad owned facilities located in the railroad right-of-way. The railroad does not locate any other utilities.

A.4 Work by Railroad

The railroad will perform the work described in this section, except for work described in other special provisions, and will be accomplished without cost to the contractor. None.

A.5 Temporary Grade Crossing

If a temporary grade crossing is desired, submit a written request to the railroad representative named in A.3 at least 40 days prior to the time needed. Approval is subject to the discretion of the railroad. The department has made no arrangements for a temporary grade crossing.

stp-107-026 (202200602)

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

There are wetlands within the right-of-way, however, impacts are not anticipated based on the proposed slope intercepts. Therefore, the department has not requested or obtained a U.S. Army Corps of Engineers 404 Permit for the project.

Methods of operations, including preparatory work, staging, site clean-up, storing materials, causing impacts to wetlands or waters are not permitted. If the contractor requires to work outside the proposed slope intercepts, based on their method of operation to construct the project, it is the contractor's responsibility to determine whether a U.S. Army Corps of Engineers Section 404 Permit is required. If a Section 404 Permit is necessary, obtain the permit prior to beginning construction operations requiring the permit. No time extensions as discussed in standard spec 108.10 will be granted for the time required to apply for and obtain the permit. The contractor must be aware that the Corps of Engineers may not grant the permit request.

Required terms and conditions for general permits are available on the USACE's website:

<https://www.mvp.usace.army.mil/Missions/Regulatory.aspx>

107-054 (20210708)

9. Public Convenience and Safety.

Revise standard spec 107.8(6) as follows:

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

stp-107-001 (20060512)

10. Erosion Control.

Add the following to standard spec 107.20 as paragraphs nine through fifteen:

- (9) Erosion control best management practices (BMP's) shown on the plans are at suggested locations. The actual locations shall be determined by the contractor's ECIP and by the engineer. Include each dewatering (mechanical pumping) operation in the ECIP submittal. The ECIP shall supplement information the plans show and not reproduce it. The ECIP shall identify how to implement the project's erosion control plan. ECIP shall demonstrate timely and diligently staged operations, continuing all construction operations methodically from the initial removals and topsoil stripping operations through the subsequent grading, paving, and re-application of top soil to minimize the exposure to possible erosion.

- (10) Provide the ECIP 14 days before the pre-construction conference. Provide 1 copy of the ECIP to the department and 1 copy of the ECIP to the WDNR Liaison Benton Stelzel, at benton.stelzel@wisconsin.gov, 141 NW Barstow Room 180, Waukesha, WI 53188, (262) 623-0194. Do not implement the ECIP until department approval, and perform all work conforming to the approved ECIP.
- (11) Maintain Erosion Control BMP's until permanent vegetation is established or until the engineer determines that the BMP is no longer required.
- (12) Stockpile excess materials or spoils on upland areas away from wetlands, floodplains, and waterways. Install perimeter silt fence protection around stockpiles within a timeframe acceptable to the engineer. If stockpiled materials will be left for more than 14 days, install temporary seed and mulch or other temporary erosion control measures the engineer orders.
- (13) Re-apply topsoil on graded areas, as designated by the engineer, within a timeframe acceptable to the engineer after grading is completed within those areas. Seed, fertilize, and mulch/erosion mat topsoiled areas, as designated by the engineer, within 5 days after placement of topsoil. If graded areas are left not completed and exposed for more than 14 days, seed those areas with temporary seed and mulch.
- (14) Do not allow excavation for; structures, utilities, grading, maintaining drainage that requires dewatering (mechanical pumping) of water containing sediments (sand, silt, and clay particles) to leave the work site or discharge to a storm water conveyance system without sediment removal treatment. Before each dewatering operation, submit to the department a separate ECIP amendment describing in words and pictorial format an appropriate BMP for sediment removal, conforming to WisDNR Storm Water Construction Technical Standard, Code 1061, Dewatering. Include reasoning, location, and schedule duration proposed for each operation. Per Code 1061, include all selection criteria: site assessment, dewatering practice selection, calculations, plans, specifications, operations, maintenance, and location of proposed treated water discharge. Provide a stabilized discharge area. If directing discharge towards or into an inlet structure, provide additional inlet protection for back-up protection.
- (15) Dewatering is incidental.
- (16) When performing saw cutting operations, squeegee the saw cut slurry to the curb apron, and remove this material as approved by the engineer. Saw cut slurry, grinding and chipping waste must be collected during the process and not allowed to run or fall unmanaged into wetlands.

sef-107-010 (20180104)

11. Archaeological Sites.

Two archeological sites (KN-0151 and KN-0206) are present within the project vicinity at the intersection of STH 165 and CTH H. Work is not anticipated to impact the archeological sites. However, if the STH 165 and CTH H intersection scope changes or if any cultural material is encountered during construction, work must stop, and the Regional Environmental Coordinator (REC) and the WisDOT Cultural Resources Team (CR Team) shall be notified.

REC – Thomas Curran, Phone (262) 548-5682; E-mail thomas1.curran@dot.wi.gov

WisDOT CR Team – Phone (608) 266-0099

12. Notice to Contractor – Airport Operating Restrictions.

The Kenosha Regional Airport is located near to the STH 158 and East Frontage Road intersection. Notify the airport and for all equipment used during construction, file a Notice of Proposed Construction or Alteration (form 7460-1) with the Federal Aviation Administration (FAA) a minimum of 45 days before starting construction.

<https://oeaaa.faa.gov/oeaaa/external/portal.jsp>

Contact WisBOA airspace/tall structure manager at BOAHighwayCoordination@dot.wi.gov, (608) 266-6812, for assistance submitting forms.

sef-107-020 (20171004)

13. Notice to Contractor – Kenosha County Transit System.

The Kenosha County Transit System (KAT) has bus routes within the construction limits at STH 165 and CTH H intersection. Invite KAT to all coordination meetings between the contractor, the department, local officials and business people to discuss the project schedule of operations including vehicular and pedestrian access during construction operations.

Notify KAT at least two weeks prior to beginning work for the bus route revisions.

The KAT contact:

Jonathan Rios
Route Supervisor
Kenosha Area Transit
4303 39th Avenue
Kenosha, WI 53144
Phone: (262) 653-4290
jrios@kenosha.org

SER-107-007 (20220323)

14. Topsoil and Salvaged Topsoil.

Replace standard spec 625.2 (1) with the following:

- (1) Topsoil consists of loam, sandy loam, silt loam, silty clay loam, or clay loam humus-bearing soils adapted to sustain plant life, and ensure the topsoil consists of the following:

Topsoil Requirements	Minimum Range	Maximum Range
pH	6.0	8.0
Organic Matter*	5%	20%
Clay	5%	30%
Silt	10%	70%
Sand	10%	70%

*Organic matter determined by loss on ignition test of samples oven dried to constant weight at 212 F (100 C).

Add the following to standard spec 625.2:

- (3) Furnish material that is free from large roots, sticks, weeds, brush, stones, litter, and waste products.
- (4) Do not furnish surface soils from ditch bottoms, drained ponds, and eroded areas, or soils which are supporting growth of NR 40 listed plants and noxious weeds or other undesirable vegetation.

Replace standard spec 625.3.3 (3) with the following:

- (3) Ensure that for the upper 2 inches, 100 percent of the material passes a one-inch sieve and at least 90 percent passes the No. 10 sieve.

SER-625-001 (20221007)

15. Fertilizer Type B.

Replace standard spec 629.2.1.3 with the following:

- (1) Fertilizer Type B will conform to the following requirements:

Nitrogen, not less than 24% with 6% percent of the nitrogen being slow release.
Phosphorus, not less than 15%
Potash, not less than 9%

- (2) The total nitrogen, phosphorus, and potash shall equal at least 48 percent.

Replace standard spec 629.3.1.3 with the following:

(1) Apply fertilizer containing at least 48 percent total nitrogen, phosphorus, and potash at 5 pounds per 1,000 square feet unless otherwise directed by the engineer. For Fertilizer Type B that contains a different percentage of components, determine the new application rate by multiplying the specified rate by a dimensionless conversion factor determined as follows:

$$\text{Conversion Factor} = 48 / \text{New Percentage of Components}$$

Replace standard spec 629.4(1) with the following:

(1) The department will measure Fertilizer Type B, by the hundred pounds (CWT) acceptably completed, measured based on the application rate of 5 pounds per 1,000 square feet. The department will not measure fertilizer used for the bid items under 632. The measured quantity equals the number of hundred-weight (CWT) of material determined by multiplying the actual number of cwt. of material incorporated by the ratio of the actual percentage of fertilizer components used to 48 percent for Fertilizer Type B.

16. Seeding Mixture No. 30.

Replace standard spec 630.2.1.5.1.1 Table 630-1 Highway Seed Mixtures with the following:

Conform to the following the species, proportions, purity, and germination:

Species	Purity Minimum %	Germination Minimum %	Mixture Proportion %
Perennial Ryegrass	97	90	10
Hard Fescue	97	85	15
Red Fescue	97	85	25
Salt Grass	98	85	20
Tall Fescue	98	85	30

Replace standard spec 630.3.5 (1) with the following:

(1) Use the following sowing rates for the seeds in pounds per 1000 square feet:

Seed Mixture 30 at 5.0 pounds

17. Traffic Signals, General.

Note that failure to comply with the state standards and specifications may result in the cost of the corrections to be made at the contractor's expense. Also, any additional disruption of department-owned facilities shall be repaired or relocated as needed at the contractor's expense.

Notify the department's Electrical Field Unit (EFU) at (414) 266-1170 at least three weeks prior to the beginning of the traffic signal work.

Furnish the engineer with material lists and specifications of all traffic control equipment for approval prior to installation.

18. Remove Traffic Signals STH 165 & CTH H, Item 204.9060.S.01.

A Description

This special provision describes removing existing traffic signals at the intersection of STH 165 & CTH H according to the pertinent provisions of standard spec 204 and as hereinafter provided. Specific removal items are noted in the plans.

B (Vacant)

C Construction

Arrange for the de-energizing of the traffic signals with the local electrical utility after receiving approval from the engineer that the existing traffic signals can be removed.

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the traffic signals. Complete the removal work as soon as possible following shut down of this equipment.

The department assumes that all equipment is in good condition and in working order prior to the contractor's removal operation. Prior to removal, inspect and provide a list of any damaged or non-working traffic signal equipment to the engineer. Any equipment not identified as damaged or not working, prior to removal, will be replaced by the contractor at no cost to the department.

Remove all standards and poles per plan from their concrete footings and disassemble out of traffic. Remove the transformer bases from each pole. Remove the signal heads, emergency vehicle preemption heads (EVP), mast arms, luminaires, wiring/cabling, and traffic signal mounting devices from each signal standard, arm or pole. Ensure that all access hand hole doors and all associated hardware remain intact. Dispose of the underground signal cable, internal wires and street lighting cable off the state right-of-way. Deliver the remaining materials to the West Allis Electrical Service Facility at 935 South 60th Street, West Allis, Milwaukee County. Contact the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to delivery to make arrangements.

DOT forces shall remove the signal cabinet from the footing. The signal cabinet and associated signal cabinet equipment will be removed from the site by DOT forces and will remain the property of the department.

D Measurement

The department will measure Remove Traffic Signals as a single lump sum unit of work for each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.01	Remove Traffic Signals STH 165 & CTH H	EACH

Payment is full compensation for removing, disassembling traffic signals, scrapping of some materials, disposing of scrap material, for delivering the requested materials to the department.

The department will pay separately for the detachment and disposal of non-salvageable lighting units.

19. Remove Loop Detector Wire and Lead-in Cable, STH 165 & CTH H, Item 204.9060.S.02.

A Description

This special provision describes removing loop detector wire and lead-in cable at the STH 165 & CTH H. Removal will be according to standard spec 204, as shown in the plans, and as hereinafter provided.

B (Vacant)

C Construction

Notify the department's Electrical Field Unit at (414) 266-1170 at least five working days prior to the removal of the loop detector wire and lead-in cable.

Remove and dispose of detector lead-in cable including loop wire for abandoned loops off the right-of-way.

D Measurement

The department will measure Remove Loop Detector Wire and Lead-in Cable as a single lump sum unit of work for each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
204.9060.S.02	Remove Loop Detector Wire and Lead in Cable, STH 165 & CTH H	EACH

Payment is full compensation for removing, scrapping, and disposing of material.

20. General Requirements for Electrical Work.

Replace standard spec 651.3.3 (3) with the following:

- (3) Request a signal inspection of the signal installation to the engineer after completing the Prerequisites for Underground Inspection checklist or Prerequisites for Above Ground Inspection checklist at least five working days prior to the time of the requested inspection. Notify the department's Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The department's Region Electrical personnel will perform the inspection. In the event of deficiencies, request a re-inspection when the work is corrected. The engineer will not authorize continuation to aboveground work or turn-on until the contractor corrects all deficiencies.

21. Electrical Conduit.

Replace standard spec 652.5 (2) with the following:

- (2) Payment for Conduit Rigid Nonmetallic and Conduit Special bid items is full compensation for providing the conduit, conduit bodies, and fittings; for providing all conduit hangers, clips, attachments, and fittings used to support conduit on structures; for pull wires or ropes; for expansion fittings and caps; for making necessary connections into existing pull boxes; for excavating, bedding, and backfilling, including any sand, concrete, or other required materials; for disposing of surplus materials; and for making inspections.

Replace standard spec 652.5 (5) with the following:

- (5) Payment for Conduit Loop Detector is full compensation for providing all materials, including conduit, compacted backfill, surface sealer if required, pull wire if required, condulets, conduit fittings, and for making necessary connections into existing pull boxes.

22. Electrical Service Meter Breaker Pedestal, Item 656.0200.01.

Add the following to standard spec 656.2.3:

The department will be responsible for the electric service installation request for any department-maintained facility. Electric utility company service installation and energy cost will be billed and paid for by the maintaining authority.

Add the following to standard spec 656.3.4:

- (4) Install the cabinet base and meter breaker pedestal first, so the electric utility company can install the service lateral. Finish grade the service trench, replace topsoil that is lost or contaminated with other materials, fertilize, seed, and mulch all areas that are disturbed by the electrical utility company.

Add the following to standard spec 656.5(3):

Payment for grading the service trench, replacing topsoil, fertilized, seed, and mulch will be incidental to this work unless the bid items are in the contract and then they will be paid for at the contract price.

23. Traffic Signal Faces.

Replace standard spec 658.2(3) with the following:

- (3) For traffic signal faces: furnish signal housings, visors, LED modules, backplates, and cut away or tunnel type visors as the plans show. The visors shall be a dull black. The backplates for the westbound through signal heads shall be a reflective yellow, as shown on plans. Signal head housings shall be black.

Add the following to standard spec 658.3:

- (3) Connect all ungrounded conductors with wire nuts in the appropriate sections of the signal heads. Connect the neutral conductors to the terminal strip. Be certain to twist wires prior to installing the wire nuts. All wire nuts must be installed facing up to prevent the entrance of water.

24. Pedestrian Push Buttons.

Add the following to standard spec 658.2(5):

Furnish freeze-proof ADA compliant pedestrian push buttons made by a department-approved manufacturer. The contractor shall place a Size 1, Type H reflective (R10-3EL, R, D) sign sticker (per state sign plate), message series – B directly above each push button. Include a directional arrow or arrows on the sign as the plans show. For the button used for Bike Green Light, the contractor shall place a R10-26 sign sticker with a left arrow (per state sign plate), directly above each push button.

Replace standard spec 658.3(3) with the following:

For Pedestrian push buttons: provide a 3/4-inch diameter push button mounting hole for wiring purposes in standards or poles. De-burr the holes after sawing and before installing the wire. Use shielded, 14 AWG, 2 conductor, polyethylene insulated, with 16 AWG drain wire, conforming to IMSA Specification Number 50-2 for loop detector lead-in cable, to wire the push button in one continuous run from the cabinet to the push button at the locations indicated on the plan.

25. Lamp, Ballast, LED, Switch Disposal by Contractor, Item 659.5000.S.

A Description

This special provision describes the packaging of lamps, ballasts, LEDs, and mercury containing switches (e.g., overhead roadway lighting, underdeck bridge, wall packs, pedestrian signals, traffic control stop lights and warning flashers, fluorescent bulbs, and thermostats) removed under this contract for disposal as hazardous materials.

For Lamp, Ballast, LED, Switch Disposal by Contractor, coordinate removal by the department's hazardous waste disposal vendor.

B Materials

Items removed under this contract will be considered the property of the department for waste generator identification. The contractor is responsible for coordinating with the department's hazardous waste vendor for disposal:

<https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnsit-rsrces/environment/hazwaste-contacts.pdf>

C Construction

Provide a secure, level location removed from the travelled way for storage of the material for disposal.

Pack intact fixtures in the packaging of the new lamps used to replace them, or packaging affording the equivalent protection. Place in full, closed stackable cartons.

Pile cartons no more than four high if palletized and secure cartons with shrink wrap to prevent shifting or falling of the loads. Clearly mark each pallet with the words "Universal Waste Lamps" or "Universal Waste Ballasts", the date, and the number of fixtures on each pallet.

Pack broken fixtures into (min.) 6 mil thick plastic bags and place inside sturdy cardboard boxes or the equivalent. Mark the outer packaging with the term "Broken Fixtures/Lamps", the date and the number of broken fixtures clearly marked on the box.

The hazardous waste vendor will not accept fixtures improperly packaged. The vendor will reject any fixtures not removed as part of a contract pay item or otherwise required under this contract.

Pack ballasts and mercury containing switches in appropriate containers.

Complete the lamp and ballast inventory (<https://wisconsin.gov/Documents/doing-bus/eng-consultants/cnsit-rsrcs/environment/dotlampballastinventory.dotx>) and contact the hazardous waste vendor to coordinate pickup and disposal at a location specified by the contractor. Consolidate all pallets and boxes from one project at a single location. Contact the hazardous waste vendor to set up an appointment for pickup. The hazardous waste vendor requires a minimum of one week advance notice to schedule pickup.

D Measurement

The department will measure Lamp, Ballast, LED, Switch Disposal by Contractor as each individual unit received by the hazardous waste vendor, properly packaged and acceptably completed, matching the total number of units provided on the inventory form. The department will not measure broken fixtures that exceed a total of ten percent of all fixtures to be disposed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
659.5000.S	Lamp, Ballast, LED, Switch Disposal by Contractor	EACH

Payment for Lamp, Ballast, LED, Switch Disposal by Contractor is full compensation for handling, packaging, labeling and scheduling disposal with the hazardous waste vendor.

The department will pay separately for the work under which the lamps, ballasts LED or Switches are removed from service.

stp-659-500 (20220107)

26. Temporary Traffic Signal for Intersections STH 165 & CTH H Item 661.0200.01.

Replace standard spec 661.2.1 (1) with the following:

(1) Furnish control cabinet and control equipment. The department will supply, maintain, and install a signal controller, cellular modem, and ethernet switch to establish remote communication to the signal controller. The cabinet must be equipped with a 6-circuit Isotel independent of the GFI receptacles. Provide a cabinet with a Corbin #2 door lock and an access door that allows placing the controller in emergency flash. Provide keys to the access door to the engineer and law enforcement agencies as required. Also provide a manual control accessible by the police. Test traffic signal control cabinets before installation. The department will provide the signal controller with the initial traffic signal timing, and the department will be responsible for all subsequent signal timing changes.

Replace standard spec 661.2.1 (3) with the following:

(3) Use existing underground electric service and meter breaker pedestal for the operation of the Temporary Traffic Signal. The contractor will be responsible for arranging any additional service connection to the temporary signal. The department will pay for all Energy Costs for the operation of the Temporary Traffic Signal.

Furnish and install a generator to operate the temporary traffic signals for the times required to switch the existing permanent traffic signal over to the temporary traffic signal and for the time required to switch the temporary traffic signal back over to the permanent traffic signal.

Contact the local electrical utility at least four days prior to making the switch from the Temporary Traffic Signal to the new Permanent Traffic Signal.

Append standard spec 661.2.1 (6) with the following:

- (6) Control equipment or controller equipment is defined as anything inside the control cabinet excluding the department furnished signal controller, cellular modem, and ethernet switch.

Replace standard spec 661.3.1 (2) with the following:

- (2) Request a signal inspection of the completed temporary traffic signal installation to the engineer at least five working days prior to the time of the requested inspection. Notify the SE Region Electrical Field Unit at (414) 266-1170 to coordinate the inspection. The SE Region electrical personnel will perform the inspection.

Append standard spec 661.3.1.4 (4) with the following:

- (4) Arrange for every other week inspections with the engineer to check the height of the span wire above the roadways to ensure that the bottom of the traffic signal heads remain within the minimum and maximum heights allowed above the roadway. Make all height adjustments within 1-hour of an inspection indicating that adjustments are required. Notify the engineer in writing upon completion of all necessary adjustments. Maintain a written log to properly document the date of each every other week inspection, the heights above the roadway, the roadway clearance after adjustments have been made, and acceptance by the engineer. Provide all documentation related to the every other week span wire height checks as well as all records related to maintenance performed on the temporary traffic signal installations to the engineer.

Replace standard spec 661.3.2.2 (2) with the following:

- (2) Install the tether wire at 20 feet to 22 feet over the roadway.

Replace standard spec 661.3.2.4 (1) with the following:

- (1) Install the span wires free of any splices or kinks. Install the span wire mounted signal faces so the bottom is a maximum of 22 feet above the roadway (minimum height is 20 feet). Compute the vertical height of the span wire on the span pole using the following formula:

$$\mathbf{HD (0.05) + RC + HH = SH}$$

Replace standard spec 661.3.2.6 (2) with the following:

- (2) Upon acceptance of new signal and completion of work, the department will switch control of the intersection over to the permanent cabinet installation. Remove signal cable and wires, wood poles, wood posts, control cabinet, control equipment, and incidental materials. Upon deactivation of the controller, call the electrical utility immediately for the temporary electrical service disconnect. The department shall remove the signal controller, cellular modem, and ethernet switch.

Append standard spec 661.3.2.6 (6) with the following:

- (6) Remove the CCTV camera, hardware, mounting brackets and cabling from the temporary traffic signal installation and return it to the department.

Replace standard spec 661.3.2.7 (2) with the following:

- (2) Respond within one hour of notification to provide corrective action to any emergency such as but not limited to knockdowns, signal cable problems, and controller equipment failures. If equipment becomes damaged or faulty beyond repair, replace it within one working day. In order to fulfill this requirement, maintain, in stock, sufficient materials and equipment to provide repairs. Replace the traffic signal control equipment including the cabinet and cabinet accessories within 4 hours. If the outcome of the response identifies damage to the department furnished signal controller, notify the Traffic Management Center at (800) 375-7302 who will then dispatch the SE Region Electrical Field Unit.

Replace standard spec 661.5 (2) with the following:

(2) Payment for the Temporary Traffic Signals for Intersections bid item is full compensation for providing, maintaining, and repairing the complete temporary installation; and for removal. Payment also includes the following:

1. Furnishing and installing replacement equipment.
2. The cost of delivery and pick-up of the cabinet assemblies.

Payment is full compensation for drilling holes; furnishing and installing all materials, including bricks, and coarse aggregate; for excavation, bedding, and backfilling, including any sand or other required materials; furnishing and placing topsoil, fertilizer, seed, and mulch in disturbed areas; for properly disposing of surplus materials; for making inspections; for cleaning up and properly disposing of waste; for removing and delivering the CCTV camera, hardware, mounting brackets and cabling from the temporary traffic signal installation to the department; and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work.

27. Install Camera Assembly, Item 677.0200.

Replace standard spec 677.3 (8) with the following:

(8) For temporary traffic signal camera installations, provide camera cables on the temporary traffic signal span wire as directed by the engineer. Provide continuous cable runs without splices between the camera assembly and the camera controller assembly.

- 28. Install Poles Type 9 Special, Item SPV.0060.01;
Install Poles Type 12, Item SPV.0060.02;
Install Poles Type 12 Over Height, Item SPV.0060.03;
Install Monotube Arms 35-FT Type 9/10 Spec Pole, Item SPV.0060.04;
Install Monotube Arms 40-FT Type 9/10 Spec Pole, Item SPV.0060.05;
Install Monotube Arms 45-FT Type 9/10 Spec Pole, Item SPV.0060.06;
Install Monotube Arms 35-FT Type 12/13 Pole, Item SPV.0060.07;
Install Monotube Arms 40-FT Type 12/13 Pole, Item SPV.0060.08;
Install Monotube Arms 55-FT, Item SPV.0060.09.**

A Description

This special provision describes installing state furnished materials conforming to standard spec 657, details shown in the plans, and as modified in this special provision.

B Materials

The department will furnish the monotube poles, monotube arms and monotube luminaire arms.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3.

D Measurement

The department will measure Install [Equipment] at the contract unit price, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.01	Install Poles Type 9 Special	EACH
SPV.0060.02	Install Poles Type 12	EACH
SPV.0060.03	Install Poles Type 12 Over Height	EACH
SPV.0060.04	Install Monotube Arms 35-FT Type 9/10 Spec Pole	EACH
SPV.0060.05	Install Monotube Arms 40-FT Type 9/10 Spec Pole	EACH
SPV.0060.06	Install Monotube Arms 45-FT Type 9/10 Spec Pole	EACH
SPV.0060.07	Install Monotube Arms 35-FT Type 12/13 Pole	EACH
SPV.0060.08	Install Monotube Arms 40-FT Type 12/13 Pole	EACH
SPV.0060.09	Install Monotube Arms 55-FT	EACH

Payment is full compensation for installing all materials, including all associated hardware, fittings, mounting devices, and attachments necessary to completely install the pole and arms.

The department will pay separately for transporting the department furnished materials.

29. **Trnspt & Install State Furnished Traffic Signal Cabinet STH 158 & E Frontage Rd, Item SPV.0060.10; Trnspt & Install State Furnished Traffic Signal Cabinet STH 165 & CTH H, Item SPV.0060.11.**

A Description

This special provision describes the transporting and installing of department furnished materials for traffic signals.

B Materials

Use materials furnished by the department including: the traffic signal controller and the traffic signal cabinet.

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials five working days prior to picking the materials up.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3 except as specified below.

Request a signal inspection of the completed signal installation to the engineer at least five working days prior to the time of the requested inspection. The department's Region Electrical personnel will perform the inspection.

Coordinate directly with the department's traffic signal cabinet vendor {TAPCO at (262) 814-7327 or rickk@tapconet.com / TCC at (651) 439-1737 or mallwood@trafficcontrolcorp} to schedule the cabinet acceptance testing. Coordinate with the department's Electrical Field Unit at (414) 266-1170 to participate in the acceptance testing. The department has final determination of the cabinet acceptance testing date and time.

D Measurement

The department will measure Transport and Install Traffic Signal Cabinet [Location] as a single lump sum unit of work in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.10	Trnspt & Install State Furnished Traffic Signal Cabinet STH 158 & E Frontage Rd	EACH
SPV.0060.11	Trnspt & Install State Furnished Traffic Signal Cabinet STH 165 & CTH H	EACH

Payment is full compensation for transporting and installing the traffic signal controller and the traffic signal cabinet; for furnishing and installing all other items necessary (such as, wire nuts, splice kits and/or connectors, tape, insulating varnish, ground lug fasteners, etc.) to make the proposed system complete from the source of supply to the most remote unit and for clean-up and waste disposal.

30. **Transport Traffic Signal & Intersection Lighting Materials STH 158 & E Frontage Rd, Item SPV.0060.12; Transport Traffic Signal & Intersection Lighting Materials STH 165 & CTH H, Item SPV.0060.13.**

A Description

This special provision describes the transporting of department furnished materials for traffic signals and intersection lighting.

B Materials

Transport materials furnished by the department including: Monotube arms/poles and luminaire arms (to be installed on monotube assemblies).

Pick up the department furnished materials at the department's Electrical Shop located at 935 South 60th Street, West Allis. Notify the department's Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials five working days prior to picking the materials up.

Provide all other needed materials in conformance with standard spec 651.2, 652.2, 653.2, 654.2, 655.2, 656.2, 657.2, 658.2 and 659.2.

C Construction

Perform work according to standard spec 651.3, 652.3, 653.3, 654.3, 655.3, 656.3, 657.3, 658.3 and 659.3 except as specified below.

D Measurement

The department will measure Transporting Traffic Signal and Intersection Lighting Materials [Location] as a single lump sum unit of work, in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.12	Transport Traffic Signal & Intersection Lighting Materials STH 158 & E Frontage Rd	EACH
SPV.0060.13	Transport Traffic Signal & Intersection Lighting Materials STH 165 & CTH H	EACH

Payment is full compensation for transporting the monotube poles/arms and luminaire arms (to be installed on monotubes). Installation of these materials is included under a separate pay item.

31. **Transport & Install State Furnished EVP Detector Heads STH 158 & E Frontage Rd, Item SPV.0060.14; Transport & Install State Furnished EVP Detector Heads STH 165 & CTH H, Item SPV.0060.15.**

A Description

This special provision describes the transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads and mounting brackets at STH 38 & Rapids Dr.

B Materials

Pick up the department furnished materials at the department’s Electrical Shop located at 935 South 60th Street, West Allis. Notify the department’s Electrical Field Unit at (414) 266-1170 and make arrangements for picking up the department furnished materials five working days prior to picking the materials up.

C Construction

Install the EVP detector heads as shown on the plans. The department will determine the exact location to ensure that the installation does not create a sight obstruction. Mount the EVP detector heads and wire them per manufacturer instructions. For a cabinet that is not operating the signal, the contractor will terminate the ends and install the discriminators and card rack in the cabinet. If the cabinet is operating the signal, the cabinet wiring will be done by the department

Notify the department’s Electrical shop at (414) 266-1170 upon completion of the installation of the Emergency Vehicle Preemption (EVP) Detector Heads.

D Measurement

The department will measure transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads as each individual unit of work, in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.14	Transport & Install State Furnished EVP Detector Heads STH 158 & E Frontage Rd	EACH
SPV.0060.15	Transport & Install State Furnished EVP Detector Heads STH 165 & CTH H	EACH

Payment is full compensation for transporting and installing of department furnished Emergency Vehicle Preemption (EVP) Detector Heads and mounting brackets.

32. Transport & Install State-Furnished Radar Detection System STH 158 & E Frontage Rd, Item SPV.0060.16.

A Description

This special provision describes the transporting and installing of department furnished Radar Detection System on monotube poles or arms.

B Materials

Pick up the department furnished Radar System at the department’s electrical shop located at 935 South 60th Street, West Allis. Notify the department’s electrical field unit (EFU) at (414) 266-1170 to make arrangements for picking up the department-furnished materials at least five working days prior to material pick-up.

C Construction

Install the department furnished pole/arm mounting brackets, extension arms (if required), and radar units per manufacturer recommendations in the locations determined by the department.

Install the power and communication cable to run continuously (without splices) from the traffic signal cabinet to the pole handhole plus an additional 16-feet in each pull box and an extra 10-feet in the pole handhole. Install the detector unit cable whip from the detector unit to the pole handhole. Splice the detector unit cable whip to the power and communication cable in the pole handhole using the provided junction box.

Mark each end of the lead in the traffic signal cabinet and each cable in the pole handhole to indicate the equipment label (i.e., RA1, RA2, etc.) on the plans. For a cabinet that is not operating the signal, the contractor will terminate the ends. If the cabinet is operating the signal, the cabinet wiring will be done by the department.

Notify department’s Electrical Shop at (414) 266-1170 upon completion of the installation and aiming of the radar units.

The department will provide the vendor's contact information. Coordinate directly with the department's radar detection system vendor to arrange for the vendor to program the radar detection system on site. Notify the department and vendor at least five working days prior to the date of programming. Assist the department and vendor with fine adjusting of the radar units during the radar system programming, if necessary.

D Measurement

The department will measure Transporting and Installing State Furnished Radar Detection System STH & E Frontage Rd as individual unit of work, in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.16	Transport & Install State Furnished Radar Detection System STH 158 & E Frontage Rd	EACH

Payment is full compensation for transporting and installing the radar detection system, cable, mounting hardware, and radar units; assisting the department and vendor during the radar system programming.

33. Temporary Infrared EVP System STH 165 & CTH H, Item SPV.0060.17.

A Description

This special provision describes furnishing, installing, and maintaining a temporary infrared EVP system during construction at the temporary signalized intersection as shown in the plans.

B Materials

Furnish an infrared emergency vehicle preemption system compatible with the municipality's systems and users. Contact the appropriate municipality for information regarding the equipment needs and operational requirements of the emergency vehicle preemption system.

C Construction

The temporary infrared EVP system, as shown in the temporary traffic signal plans or as directed by the engineer, shall be complete in place, tested, and in full operation during each stage of construction.

Install the temporary infrared EVP system as shown in the plans and according to the manufacturer's recommendations. Detectors may be mounted on the temporary traffic signal span wire or wood poles. It shall be the contractor's responsibility to relocate the temporary infrared EVP detectors to a suitable location if there is impedance on the sensor operation. Arrange for testing of equipment prior to acceptance of the installation for each construction stage.

All cables associated with the temporary infrared EVP system shall be routed to the cabinet. Each lead shall be appropriately marked as to which EVP channel it is associated.

Periodic adjustment and/or moving of the temporary infrared EVP detectors may be required due to changes in traffic control, staging, or other construction operations.

Ensure that the temporary infrared EVP system stays in clean working order. Periodic cleaning of the equipment may be required due to dirt and dust build-up.

The temporary EVP system may not be used for the permanent installation. Remove the temporary EVP system upon project completion.

Provide the engineer records of all EVP settings used during construction.

D Measurement

The department will measure Temporary Infrared EVP System (Location), furnished, installed, and completely operational, as each complete unit of work per intersection, complete in place and accepted.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.17	Temporary Infrared EVP System STH 165 & CTH H	EACH

Payment is full compensation for furnishing and installing all required equipment, materials, and supplies; for maintaining and changing the EVP detectors to match the plans, traffic control, and construction staging; for relocating the temporary EVP detectors due to construction activities, if required; for testing the EVP system for each stage and sub-stage of construction; for periodically cleaning all temporary EVP detectors; and for cleaning up and properly disposing of waste.

34. Install Fiber Optic Communications in Cabinet STH 158 & E Frontage Rd, Item SPV.0060.18.

A Description

This special provision describes the installation of fiber optic communications equipment in the traffic signal cabinet.

B Materials

The department will furnish pre-terminated fiber optic patch panels or fiber termination panels. The materials will be provided with the traffic signal cabinet. The patch panels will have pre-terminated fiber optic cable pigtails. Provide two each 1-meter lengths of ST-ST single mode fiber jumper (2 fibers per jumper) from the patch panel to the Ethernet switch. Provide all patch panel or termination panel attachment hardware.

Provide a 14 AWG XLP insulated, stranded, copper, 600 volt AC locate wire through the conduit run from the communication vault to the traffic signal cabinet. Connect the locate wire by using a silicone filled wire nut at each pull box, vault or other access point. Alternatively, use a single wire through the access points, leaving a 6 foot coil in each pull box, vault or other access point for splicing. All material under this item shall meet the requirements of standard spec 655.

C Construction

Install the patch panel or termination panel on the side of the traffic signal cabinet opposite the electrical service at a location as approved by the engineer. Install the pre-terminated fiber optic cable in conduit from the patch panel to the communication vault as specified in standard spec 678.3.1. Fiber optic cable ends shall be covered securely to protect open ends during installation in raceways. Leave the remainder of the fiber optic cable coiled in the communication vault.

Install the fiber jumpers and provide a communications link from the FTMS cabinet to the controller.

Connect the locate wire by using a wire nut at each access point. Alternatively, use a single wire through the access points.

D Measurement

The department will measure Install Fiber Optic Communications in Cabinet STH 158 & E Frontage Rd as each intersection, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.18	Install Fiber Optic Communications in Cabinet STH 158 & E Frontage Rd	EACH

Payment is full compensation for installing pre-terminated patch panels or termination panels and fiber optic cable in conduit; furnishing and installing attachment hardware, fiber jumpers, and locate wire.

35. Concrete Base Type 10 Special Extension, Item SPV.0060.19.

A Description

The work under this item shall consist of construction of base mounted pole concrete foundations, including the necessary hardware, as shown on the plans, according to the pertinent provisions of standard spec 654 and as hereinafter provided.

B Materials

Materials shall be according to standard spec 654.2 and as shown on the plans.

C Construction

Add the following to standard spec 654.3:

- (3) Construct the modified concrete traffic signal bases according to the construction details and as specified in standard spec 501. Provide the surface finish specified in standard spec 502.3.7.2 and plan details. Inspect the forming and applicable reinforcement for concrete bases before pouring the concrete. Cure exposed portions of the concrete bases as specified in standard spec 415.3.12.

D Measurement

The department will measure Concrete Base Type 10 Special Extension as each item, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.19	Concrete Base Type 10 Special Extension	EACH

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

36. Utility Line Opening (ULO), Item SPV.0060.20.

A Description

This special provision describes excavating to uncover utilities for the purpose of determining elevation or location and potential conflicts as shown on the plans or as directed by the engineer.

B (Vacant)

C Construction

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

Perform the utility line openings as soon as possible and at least 10 days in advance of proposed utility construction to allow any conflicts to be resolved with minimal disruption. Give the engineer a minimum of three working days once utility line opening information is received to review all relevant design information prior to proposed utility construction. Where utilities are within 6 feet of each other at a potential conflict location, only one utility line opening will be called for. In these cases, a single utility line opening will be considered full payment to locate multiple utilities. Utility line openings include a trench up to 10 feet long as measured at the trench bottom, and of any depth required to locate the intended utility.

Approve and coordinate all utility line openings with the engineer. Notify the utility engineers or their agents of this work a minimum of three days prior to the work so they may be present when the work is completed.

D Measurement

The department will measure Utility Line Opening by each individual unit, acceptably completed.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.20	Utility Line Opening (ULO)	EACH

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

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

37. Cable Type UF 3-14 AWG, Item SPV.0090.01.

A Description

This work shall consist of furnishing and installing cable for confirmation lights and making all connections as shown on the plans and as hereinafter provided.

B Materials

Supplement standard spec 655.3.4 with the following:

When lighting is installed in conjunction with traffic signals, conductors from the traffic signal control cabinet to the confirmation light(s) shall be Cable Type UF, 3 conductor without ground, solid copper conductor, size No. 14.

C Construction

Furnish and install Cable Type UF 3-14 AWG for traffic signals.

D Measurement

Cable Type UF 3-14 AWG shall be measured by the linear foot of cable, complete in place.

E Payment

Cable Type UF 3-14 AWG will be paid for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0090.01	Cable Type UF 3-14 AWG	LF

Payment shall be full compensation for furnishing and installing cable; for making all connections; for furnishing and installing all connectors, including wire nuts, splice kits, tape, insulating varnish or sealant and ground lug fasteners, and for testing.

38. Asphaltic Repair Special, Item SPV.0195.01.

A Description

This special provision describes repairing areas of existing asphalt pavement with asphaltic mixtures for overlaying with new pavement.

B Material

Furnish nominal size No. 4 (12.5 mm) aggregate blend graded as specified in standard spec 460.2.2.3 and conform to the other material and mixture requirements specified for asphaltic surface in standard spec 465. Use tack coat as required under standard spec 450.3.2.7.

C Construction

- (1) Remove areas of existing asphalt pavement, including existing patching or surfacing materials, at locations the plans show, or the engineer directs in the field as specified for removing asphaltic surface milling in standard spec 204.3.2.2.2. Mill the connecting edges as true and perpendicular as possible, both parallel and perpendicular to the roadway, creating a vertical edge on all sides. Remove the pavement without injury to the remaining pavement. Dispose of removed material as specified in standard spec 204.3.1.3.
- (2) As an option for areas of full depth removal, the contractor may remove areas of existing asphalt pavement, including existing patching or surfacing materials, as specified for removing asphaltic surface in standard spec 204.3.2.2.1. Saw cut the connecting edges as true and perpendicular as possible, as specified for sawing pavement in standard spec 690. Remove the pavement without injury to the remaining pavement. Dispose of removed material as specified in standard spec 204.3.1.3.

- (3) Construct as specified for asphaltic surface under standard spec 465.3 except as modified here.

Replace standard spec 465.3.1(2) with the following:

- (2) Place using self-propelled pavers. Pave at a constant speed, appropriate for the paver and mixture, that ensures uniform spreading and strike-off with a smooth, dense texture and no tearing or segregation.

Replace standard spec 465.3.1(3) with the following:

- (3) Immediately after placement, compact the mixture to produce a dense smooth surface using ordinary compaction procedures as specified in standard spec 450.3.2.6. Unless the engineer directs otherwise, compact each layer to a thickness of 6 inches or less so that the finished surface is 1/16 inch to 1/8 inch above the existing pavement surface.

D Measurement

The department will measure Asphaltic Repair Special by the ton, acceptably completed, as specified for asphaltic pavement in standard spec 450.4.

E Payment

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.01	Asphaltic Repair Special	TON

- (2) Payment is full compensation for removing old pavement; for preparing the foundation; and for providing and compacting asphaltic mixture including asphaltic binder. Sawing existing asphalt pavement as a contractor option is incidental to the work under this item.
- (3) The department will pay separately for tack coat under the Tack Coat bid item as specified in standard spec 455.5.

SER-390-001 (20220408)

ADDITIONAL SPECIAL PROVISION 4

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

Payment to First-Tier Subcontractors

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

The prime contractor is not allowed to withhold retainage from payments due subcontractors.

Payment to Lower-Tier Subcontractors

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

Acceptance and Final Payment

Within 30 calendar days of receiving the semi-final estimate from the department, submit written certification that subcontractors at all tiers are paid in full for acceptably completed work.

Additional Special Provision 6

ASP 6 - Modifications to the standard specifications

Make the following revisions to the standard specifications:

416.2.4 Concrete Pavement Repair and Replacement

Replace the entire text with the following effective with the November 2022 letting:

- (1) Except as specified in 416.3.6 for inlaid rumble strips, use grade C concrete as specified in 501.
- (2) The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi.

416.2.5 Special High Early Strength Concrete Pavement Repair and Replacement

416.2.5.1 Composition and Proportioning of Concrete

Replace paragraph one with the following effective with the November 2022 letting:

- (1) For the concrete mixture, use a minimum of 846 pounds of cementitious material per cubic yard of concrete. The engineer will allow the contractor to open to construction and public traffic when the concrete reaches 2000 psi. The contractor may add one or a combination of admixtures to the ingredients or to the mixture in order to obtain the required minimum strength and required air content. Do not retemper the concrete mixture.

455.2.4.3 Emulsified Asphalts

Replace paragraph one with the following effective with the November 2022 letting:

- (1) Furnish material conforming, before dilution, to the following:
 - Anionic emulsified asphalts^[1]..... AASHTO M140
 - Cationic emulsified asphalts^[1] AASHTO M208
 - Polymer-modified cationic emulsified asphalts AASHTO M316
- ^[1] Non-tracking emulsified asphalts shall conform to TABLE 455-1 for the type and grade specified.

TABLE 455-1 Requirements for Non-Tracking Emulsified Asphalt

PRODUCT	ANTT	CNTT
Saybolt Viscosity at 77°F (25°C), (AASHTO T 59), SFS	15-100	15-100
Paddle Viscosity at 77°F (25°C), (AASHTO T 382), cPs ^[1]	30-200	30-200
Storage Stability Test, 24 hr, (AASHTO T 59), %	1 max	1 max
Residue by Distillation, 500 ± 10 °F (260 ± 5 °C), or Residue by Evaporation, 325 ± 5 °F (163 ± 3 °C), (AASHTO T 59), %	50 min	50 min
Sieve Test, No. 20 (850 µm), (AASHTO T 59), %	0.3	0.3
Penetration at 77°F (25°C), 100 g, 5 sec, (AASHTO T 49), dmm	10-40	10-40
Ash Content, (AASHTO T 111), %	1 max	1 max
Solubility in Trichlorethylene Test, (AASHTO T 44) ^[2]	97.5% min	97.5% min

^[1] Paddle Viscosity (AASHTO T 382) may be run in lieu of Saybolt Viscosity (AASHTO T 59).
^[2] The solubility in Trichlorethylene test (AASHTO T 44) may be run in lieu of Ash Content (AASHTO T 111).

455.2.5 Tack Coat

Replace paragraph one with the following effective with the November 2022 letting:

- (1) Under the Tack Coat bid item, furnish type SS-1h, CSS-1h, QS-1h, CQS-1h, ANTT, CNTT, or modified emulsified asphalt with an “h” suffix, unless the contract specifies otherwise.

710.5.7 Corrective Action

710.5.7.1 Optimized Aggregate Gradations

Replace paragraph one with the following effective with the November 2022 letting:

- (1) If the contractor's 4-point running average or a department test result of the volumetric percent retained exceeds the tarantula curve limits by less than or equal to 1.0 percent on a single sieve size, notify the other party immediately and do one of the following:
 - Perform corrective action documented in the QC plan or as the engineer approves. Continue with the following:
 1. Document and provide corrective action results to the engineer as soon as they are available.
 2. Department will conduct two tests within the next business day after corrective action is complete.
 - If blended aggregate gradations are within the tarantula curve limits by the second department test:
 - Continue with concrete production.
 - Include a break in the 4-point running average.
 - For Class I Pavements: The department will discontinue reduced frequency testing and will test at a frequency of 1 test per placement day. Once 5 consecutive samples are passing at the 1 test per placement day frequency, the reduced frequency testing will be reapplied.
 - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract requires an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit a new optimized aggregate gradation mix design.
 - If blended aggregate gradations are not within the tarantula curve limits by the second department test and the contract does not require an optimized aggregate gradation mix under 501.2.7.4.2.1(2), stop concrete production and submit either a new optimized aggregate gradation mix design or a combined aggregate gradation mix design.
 - Submit a new optimized aggregate gradation mix design and perform the following:
 1. Restart control charts for the new mix design.
 2. Amend contractor Quality Control Plan

715.5 Payment

Replace the entire text with the following effective with the November 2022 letting:

715.5.1 General

- (1) The department will pay incentive for concrete strength under the following bid items:

<u>ITEM NUMBER</u>	<u>DESCRIPTION</u>	<u>UNIT</u>
715.0502	Incentive Strength Concrete Structures	DOL
715.0603	Incentive Strength Concrete Barrier	DOL
715.0715	Incentive Flexural Strength Concrete Pavement	DOL
715.0720	Incentive Compressive Strength Concrete Pavement	DOL

- (2) Incentive payment may be more or less than the amount the schedule of items shows.
- (3) The department will administer disincentives for strength under the Disincentive Strength Concrete Structures, Disincentive Strength Concrete Barrier, Disincentive Flexural Strength Concrete Pavement, and Disincentive Compressive Strength Concrete Pavement, administrative items.
- (4) The department will adjust pay for each lot using PWL of the 28-day subplot average strengths for that lot. The department will measure PWL relative to strength lower specification limits as follows:
 - Compressive strength of 3700 psi for pavements.
 - Flexural strength of 650 psi for pavements.
 - Compressive strength of 4000 psi for structures and barrier.
- (5) The department will not pay a strength incentive for concrete that is nonconforming in another specified property, for ancillary concrete accepted based on tests of class I concrete, or for high early strength concrete unless placed in pavement gaps as allowed under 715.3.1.2.2.
- (6) Submit test results to the department electronically using MRS software. The department will verify contractor data before determining pay adjustments.
- (7) All coring and testing costs under 715.3.2.2 including filling core holes and providing traffic control during coring are incidental to the contract.

715.5.2 Pavements

715.5.2.1 Compressive

- (1) The department will adjust pay for each lot using equation “QMP 3.01” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 95 to 100	$(0.1 \times \text{PWL}) - 9.5$
>= 85 to < 95	0
>= 30 to < 85	$(1.5/55 \times \text{PWL}) - 127.5/55$
< 30	-1.50

- (2) The department will not pay incentive if the lot standard deviation is greater than 400 psi compressive.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 3700 psi compressive by \$1.50 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

715.5.2.2 Flexural

- (1) The department will adjust pay for each lot using equation “QMP 6.02” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 95 to 100	$(0.2 \times \text{PWL}) - 19$
>= 85 to < 95	0
>= 50 to < 85	$(2.0/35 \times \text{PWL}) - 170/35$
< 50	-2.00

- (2) The department will not pay incentive if the lot standard deviation is greater than 60 psi flexural.
- (3) For lots with a full battery of QC tests at less than 4 locations, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 650 psi flexural by \$2.00 per square yard.
- (4) For integral shoulder pavement and pavement gaps accepted using tests from the adjacent travel lane, the department will adjust pay using strength results of the travel lane for integrally placed concrete shoulders and pavement gaps regardless of mix design and placement method, included in a lane-foot lot.

715.5.3 Structures and Cast-in-Place Barrier

- (1) The department will adjust pay for each lot using equation “QMP 2.01” as follows:

Percent within Limits (PWL)	Pay Adjustment (dollars per square yard)
>= 99 to 100	10
>= 90 to < 99	0
>= 50 to < 90	$(7/8 \times \text{PWL}) - 78.75$
< 50	-35

- (2) The department will not pay incentive if the lot standard deviation is greater than 350 psi.
- (3) For lots with less than 4 sublots, there is no incentive, but the department will assess a disincentive based on the individual subplot average strengths. The department will reduce pay for sublots with an average strength below 4000 psi by \$35 per cubic yard.

ADDITIONAL SPECIAL PROVISION 7

A. Reporting 1st Tier and DBE Payments During Construction

1. Comply with reporting requirements specified in the department's Civil Rights Compliance, Contractor's User Manual, Sublets and Payments.
2. Report payments to all DBE firms within 10 calendar days of receipt of a progress payment by the department or a contractor for work performed, materials furnished, or materials stockpiled by a DBE firm. Report the payment as specified in A(1) for all work satisfactorily performed and for all materials furnished or stockpiled.
3. Report payments to all first tier subcontractor relationships within 10 calendar days of receipt of a progress payment by the department for work performed. Report the payment as specified in A(1) for all work satisfactorily performed.
4. All tiers shall report payments as necessary to comply with the DBE payment requirement as specified in A(2).
5. DBE firms must enter all payments to DBE and non-DBE firms regardless of tier.
6. Require all first tier relationships, DBE firms and all other tier relationships necessary to comply with the DBE payment requirement in receipt of a progress payment by contractor to acknowledge receipt of payment as specified in A(1), (2), (3) and (4).
7. All agreements made by a contractor shall include the provisions in A(1), (2), (3), (4), (5), and (6), and shall be binding on all first tier subcontractor relationships, all contractors and subcontractors utilizing DBE firms on the project, and all payments from DBE firms.

B. Costs for conforming to this special provision are incidental to the contract.

NOTE: CRCS Prime Contractor payment is currently not automated and will need to be manually loaded into the Civil Rights Compliance System. Copies of prime contractor payments received (check or ACH) will have to be forwarded to paul.ndon@dot.wi.gov within 5 days of payment receipt to be logged manually.

***Additionally, for information on Subcontractor Sublet assignments, Subcontractor Payments and Payment Tracking, please refer to the CRCS Payment and Sublets manual at:

<https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payments-sublets-manual.pdf>

ADDITIONAL SPECIAL PROVISION 9

Electronic Certified Payroll or Labor Data Submittal

- (1) Use the department's Civil Rights Compliance System (CRCS) to electronically submit certified payroll reports for contracts with federal funds and labor data for contracts with state funds only. Details are available online through the department's highway construction contractor information (HCCI) site on the Labor, Wages, and EEO Information page at:
<https://wisconsindot.gov/Pages/doing-bus/civil-rights/labornwage/default.aspx>
- (2) Ensure that all tiers of subcontractors, including all trucking firms, either submit their weekly certified payroll reports (contracts with federal funds) or labor data (contracts with state funds only) electronically through CRCS. These payrolls or labor data are due within seven calendar days following the close of the payroll period. Every firm providing physical labor towards completing the project is a subcontractor under this special provision.
- (3) Upon receipt of contract execution, promptly make all affected firms aware of the requirements under this special provision and arrange for them to receive CRCS training as they are about to begin their submittals. The department will provide training either in a classroom setting at one of our regional offices or by telephone. Contact Paul Ndon at (414) 438-4584 to schedule the training.
- (4) The department will reject all paper submittals for information required under this special provision. All costs for conforming to this special provision are incidental to the contract.
- (5) Firms wishing to export payroll/labor data from their computer system into CRCS should have their payroll coordinator contact Paul Ndon at paul.ndon@dot.wi.gov. Not every contractor's payroll system is capable of producing export files. For details, see Section 4.8 CPR Auto Submit (Data Mapping) on pages 49-50; 66-71 of the CRCS Payroll Manual at:
<https://wisconsindot.gov/Documents/doing-bus/civil-rights/labornwage/crcs-payroll-manual.pdf>

NON-DISCRIMINATION PROVISIONS

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

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

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

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

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

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

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

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

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

Pertinent Non-Discrimination Authorities:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21.
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 et seq.), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 et seq.), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 et seq.), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms "programs or activities" to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131-12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration's Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures Non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of Limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 et seq).

BUY AMERICA PROVISION

Buy America (as documented in M-22-11 from the Office of Management and Budget: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>) shall be domestic products and permanently incorporated in this project as classified in the following three categories, and as noted in the Construction and Materials Manual (CMM):

1. Iron and Steel

All iron and steel manufacturing and coating processes (from smelting forward in the manufacturing process) must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America.

The exemption of the iron and steel manufacturing and coating processes Buy America requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

2. Manufactured Product

All manufactured products (as defined in CMM 228.5) are covered under a previous waiver from 1983, and are currently exempt from Buy America.

3. Construction Material

All construction materials (as defined in OMB M-22-11 and as referenced in CMM 228.5) must comply with Buy America. No exemptions (0.0%) are allowed.

The contractor shall take actions and provide documentation conforming to CMM 228.5 to ensure compliance with this Buy America provision.

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

Upon completion of the project, certify to the engineer, in writing using department form DT4567 that all iron and steel, manufactured products, and construction materials conform to this Buy America provision.

Form DT4567 is available at: <https://wisconsindot.gov/Documents/formdocs/dt4567.docx>

Attach a list of iron or steel exemptions and their associated costs to the certification form.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001

Signal Work

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0002	204.0100 Removing Concrete Pavement	1,250.000 SY	_____.	_____.
0004	204.0110 Removing Asphaltic Surface	46.000 SY	_____.	_____.
0006	204.0150 Removing Curb & Gutter	116.000 LF	_____.	_____.
0008	204.0155 Removing Concrete Sidewalk	94.000 SY	_____.	_____.
0010	204.0195 Removing Concrete Bases	4.000 EACH	_____.	_____.
0012	204.9060.S Removing (item description) 01. Traffic Signal STH 165 & CTH H	1.000 EACH	_____.	_____.
0014	204.9090.S Removing (item description) 02. Loop Detector Wire & Lead-In Cable STH 165 & CTH H	1.000 LF	_____.	_____.
0016	213.0100 Finishing Roadway (project) 01. 3700-11-70	1.000 EACH	_____.	_____.
0018	305.0110 Base Aggregate Dense 3/4-Inch	5.000 TON	_____.	_____.
0020	415.1090 Concrete Pavement HES 9-Inch	588.000 SY	_____.	_____.
0022	415.1100 Concrete Pavement HES 10-Inch	660.000 SY	_____.	_____.
0024	416.0610 Drilled Tie Bars	393.000 EACH	_____.	_____.
0026	416.0620 Drilled Dowel Bars	417.000 EACH	_____.	_____.
0028	455.0605 Tack Coat	7.000 GAL	_____.	_____.
0030	460.5224 HMA Pavement 4 LT 58-28 S	10.000 TON	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001

Signal Work

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0032	601.0555 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	96.000 LF	_____	_____
0034	601.0557 Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type D	20.000 LF	_____	_____
0036	602.0410 Concrete Sidewalk 5-Inch	850.000 SF	_____	_____
0038	614.0395 Guardrail Mow Strip Concrete	2.000 SY	_____	_____
0040	614.0920 Salvaged Rail	113.000 LF	_____	_____
0042	614.0950 Replacing Guardrail Posts and Blocks	6.000 EACH	_____	_____
0044	614.0951 Replacing Guardrail Rail and Hardware	113.000 LF	_____	_____
0046	619.1000 Mobilization	1.000 EACH	_____	_____
0048	625.0100 Topsoil	550.000 SY	_____	_____
0050	625.0500 Salvaged Topsoil	840.000 SY	_____	_____
0052	628.1504 Silt Fence	1,820.000 LF	_____	_____
0054	628.1520 Silt Fence Maintenance	1,820.000 LF	_____	_____
0056	628.1905 Mobilizations Erosion Control	2.000 EACH	_____	_____
0058	628.1910 Mobilizations Emergency Erosion Control	2.000 EACH	_____	_____
0060	628.2006 Erosion Mat Urban Class I Type A	1,390.000 SY	_____	_____
0062	628.7015 Inlet Protection Type C	32.000 EACH	_____	_____



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0064	628.7020 Inlet Protection Type D	4.000 EACH	_____.	_____.
0066	629.0210 Fertilizer Type B	1.000 CWT	_____.	_____.
0068	630.0130 Seeding Mixture No. 30	63.000 LB	_____.	_____.
0070	630.0500 Seed Water	8.000 MGAL	_____.	_____.
0072	634.0618 Posts Wood 4x6-Inch X 18-FT	17.000 EACH	_____.	_____.
0074	637.2210 Signs Type II Reflective H	297.630 SF	_____.	_____.
0076	637.2215 Signs Type II Reflective H Folding	134.280 SF	_____.	_____.
0078	637.2230 Signs Type II Reflective F	30.000 SF	_____.	_____.
0080	638.2102 Moving Signs Type II	3.000 EACH	_____.	_____.
0082	638.2602 Removing Signs Type II	28.000 EACH	_____.	_____.
0084	638.3000 Removing Small Sign Supports	11.000 EACH	_____.	_____.
0086	642.5001 Field Office Type B	1.000 EACH	_____.	_____.
0088	643.0300 Traffic Control Drums	7,021.000 DAY	_____.	_____.
0090	643.0420 Traffic Control Barricades Type III	4,431.000 DAY	_____.	_____.
0092	643.0705 Traffic Control Warning Lights Type A	8,862.000 DAY	_____.	_____.
0094	643.0715 Traffic Control Warning Lights Type C	4,428.000 DAY	_____.	_____.
0096	643.0800 Traffic Control Arrow Boards	226.000 DAY	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0098	643.0900 Traffic Control Signs	32,821.000 DAY	_____.	_____.
0100	643.1000 Traffic Control Signs Fixed Message	76.000 SF	_____.	_____.
0102	643.1050 Traffic Control Signs PCMS	56.000 DAY	_____.	_____.
0104	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0106	646.1020 Marking Line Epoxy 4-Inch	22,875.000 LF	_____.	_____.
0108	646.1545 Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch	2,898.000 LF	_____.	_____.
0110	646.3545 Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch	6,158.000 LF	_____.	_____.
0112	646.5020 Marking Arrow Epoxy	28.000 EACH	_____.	_____.
0114	646.5120 Marking Word Epoxy	20.000 EACH	_____.	_____.
0116	646.5220 Marking Symbol Epoxy	1.000 EACH	_____.	_____.
0118	646.6120 Marking Stop Line Epoxy 18-Inch	325.000 LF	_____.	_____.
0120	646.6220 Marking Yield Line Epoxy 18-Inch	75.000 EACH	_____.	_____.
0122	646.7120 Marking Diagonal Epoxy 12-Inch	540.000 LF	_____.	_____.
0124	646.8120 Marking Curb Epoxy	270.000 LF	_____.	_____.
0126	646.8220 Marking Island Nose Epoxy	27.000 EACH	_____.	_____.
0128	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch	811.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0130	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch	850.000 LF	_____.	_____.
0132	652.0605 Conduit Special 2-Inch	15.000 LF	_____.	_____.
0134	652.0615 Conduit Special 3-Inch	2,101.000 LF	_____.	_____.
0136	652.0800 Conduit Loop Detector	2,534.000 LF	_____.	_____.
0138	653.0135 Pull Boxes Steel 24x36-Inch	4.000 EACH	_____.	_____.
0140	653.0140 Pull Boxes Steel 24x42-Inch	30.000 EACH	_____.	_____.
0142	653.0905 Removing Pull Boxes	15.000 EACH	_____.	_____.
0144	654.0101 Concrete Bases Type 1	10.000 EACH	_____.	_____.
0146	654.0113 Concrete Bases Type 13	4.000 EACH	_____.	_____.
0148	654.0120 Concrete Bases Type 10-Special	4.000 EACH	_____.	_____.
0150	654.0217 Concrete Control Cabinet Bases Type 9 Special	1.000 EACH	_____.	_____.
0152	655.0230 Cable Traffic Signal 5-14 AWG	1,447.000 LF	_____.	_____.
0154	655.0240 Cable Traffic Signal 7-14 AWG	4,342.000 LF	_____.	_____.
0156	655.0260 Cable Traffic Signal 12-14 AWG	2,769.000 LF	_____.	_____.
0158	655.0320 Cable Type UF 2-10 AWG Grounded	713.000 LF	_____.	_____.
0160	655.0515 Electrical Wire Traffic Signals 10 AWG	4,673.000 LF	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0162	655.0610 Electrical Wire Lighting 12 AWG	936.000 LF	_____.	_____.
0164	655.0700 Loop Detector Lead In Cable	9,347.000 LF	_____.	_____.
0166	655.0800 Loop Detector Wire	7,418.000 LF	_____.	_____.
0168	655.0900 Traffic Signal EVP Detector Cable	2,457.000 LF	_____.	_____.
0170	656.0201 Electrical Service Meter Breaker Pedestal (location) 01. STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0172	657.0100 Pedestal Bases	12.000 EACH	_____.	_____.
0174	657.0420 Traffic Signal Standards Aluminum 13-FT	4.000 EACH	_____.	_____.
0176	657.0425 Traffic Signal Standards Aluminum 15-FT	8.000 EACH	_____.	_____.
0178	658.0173 Traffic Signal Face 3S 12-Inch	29.000 EACH	_____.	_____.
0180	658.0174 Traffic Signal Face 4S 12-Inch	14.000 EACH	_____.	_____.
0182	658.0500 Pedestrian Push Buttons	2.000 EACH	_____.	_____.
0184	658.5070 Signal Mounting Hardware (location) 01. STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0186	658.5070 Signal Mounting Hardware (location) 02. STH 165 & CTH H	1.000 EACH	_____.	_____.
0188	659.1125 Luminaires Utility LED C	8.000 EACH	_____.	_____.
0190	659.5000.S Lamp, Ballast, LED, Switch Disposal by Contractor	22.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0192	661.0201 Temporary Traffic Signals for Intersections (location) 01. STH 165 & CTH H	1.000 EACH	_____.	_____.
0194	661.0300 Generators	1.000 DAY	_____.	_____.
0196	670.0101 Field System Integrator	1.000 EACH	_____.	_____.
0198	670.0201 ITS Documentation	1.000 EACH	_____.	_____.
0200	677.0200 Install Camera Assembly	1.000 EACH	_____.	_____.
0202	678.0501 Communication System Testing	1.000 EACH	_____.	_____.
0204	678.0600 Install Ethernet Switches	1.000 EACH	_____.	_____.
0206	690.0150 Sawing Asphalt	105.000 LF	_____.	_____.
0208	690.0250 Sawing Concrete	1,412.000 LF	_____.	_____.
0210	SPV.0060 Special 01. Install Poles Type 9 Special	5.000 EACH	_____.	_____.
0212	SPV.0060 Special 02. Install Poles Type 12	2.000 EACH	_____.	_____.
0214	SPV.0060 Special 03. Install Poles Type 12 - Over Height	2.000 EACH	_____.	_____.
0216	SPV.0060 Special 04. Install Monotubes Arms 35-FT Type 9/10 Special Pole	1.000 EACH	_____.	_____.
0218	SPV.0060 Special 05. Install Monotubes Arms 40-FT Type 9/10 Special Pole	1.000 EACH	_____.	_____.
0220	SPV.0060 Special 06. Install Monotubes Arms 45-FT Type 9/10 Special Pole	3.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0222	SPV.0060 Special 07. Install Monotubes Arms 35-FT Type 12/13 Pole	1.000 EACH	_____.	_____.
0224	SPV.0060 Special 08. Install Monotubes Arms 40-FT Type 12/13 Pole	1.000 EACH	_____.	_____.
0226	SPV.0060 Special 09. Install Monotubes Arms 55-FT	2.000 EACH	_____.	_____.
0228	SPV.0060 Special 10. TRNSPT & Inst State Furnished Traffic Signal Cabinet STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0230	SPV.0060 Special 11. TRNSPT & INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET STH 165 & CTH H	1.000 EACH	_____.	_____.
0232	SPV.0060 Special 12. TRNSPT TRAFFIC SIGNAL & INTERSECTION LTG MATERIALS STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0234	SPV.0060 Special 13. TRNSPT TRAFFIC SIGNAL & INTERSECTION LIGHTING MATERIALS STH 165 & CTH H	1.000 EACH	_____.	_____.
0236	SPV.0060 Special 14. TRNSPT & INSTALL STATE FURNISHED EVP DETECTOR HEADS STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0238	SPV.0060 Special 15. TRNSPT & INSTALL STATE FURNISHED EVP DETECTOR HEADS STH 165 & CTH H	1.000 EACH	_____.	_____.
0240	SPV.0060 Special 16. TRNSPT & INST STATE FURNISHED RADAR DETECTION SYSTEM STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0242	SPV.0060 Special 17. TEMPORARY INFRARED EVP SYSTEM STH 165 & CTH H	1.000 EACH	_____.	_____.



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0244	SPV.0060 Special 18. INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0246	SPV.0060 Special 19. CONCRETE BASE TYPE 10 SPECIAL EXTENSION	1.000 EACH	_____.	_____.
0248	SPV.0060 Special 20. SPECIAL (UTILITY LINE OPENING (ULO))	6.000 EACH	_____.	_____.
0250	SPV.0090 Special 01. CABLE TYPE UF 3-14 AWG	1,135.000 LF	_____.	_____.
0252	SPV.0195 Special 01. ASPHALT REPAIR SPECIAL	18.000 TON	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

PLEASE ATTACH ADDENDA HERE



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

February 10, 2023

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

NOTICE TO ALL CONTRACTORS:

Proposal #25: 3700-11-70
Signal Install and Signal Replacement
Various Signalized Intersections
Various Highways
Kenosha County

Letting of February 14, 2023

This is Addendum No. 01, which provides for the following:

Special Provisions:

Revised Special Provisions	
Article No.	Description
6	Utilities

Schedule of Items:

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Proposal Total Prior to Addendum	Quantity Added	Proposal Total After Addendum
650.8501	Construction Staking Electrical Installations (3700-11-70)	EACH	0	1	1
650.9911	Construction Staking Supplemental Control (3700-11-70)	EACH	0	1	1
678.0300	Fiber Optic Splice	EACH	0	4	4

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
3	General Notes (edited contacts)
47	Traffic Signal Plan (Added 'Fiber Optic Splice (4) in Existing Fiber Optic Splice Enclosure' text and a leader to the plan sheet)
90	Miscellaneous Quantities (Added 'Staking' item to the quantities table)
94	Miscellaneous Quantities (Added 'Fiber Optic Splices' item to the quantities table)

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 01

3700-11-70

February 10, 2023

Special Provisions

6. Utilities.

Replace entire section with the following:

This contract comes under the provision of Administrative Rule Trans 220.

Bidders are advised to contact each utility company listed in the plans prior to preparing their bids to obtain current information on the status of any utility work within the project work limits.

Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per state statute. Use caution to ensure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Known utilities in the project area are as follows:

AT&T Local Network has facilities within the project limits, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

AT&T Wisconsin has facilities within the project limits. Along STH 165, at Station 510+14, 84' RT, AT&T has a 6-conduit package near signal base. No conflicts with the proposed work are anticipated.

CenturyLink Communications, LLC is leasing fiber facilities within the area of STH 165 and CTH H intersection. No relocations are proposed.

City of Kenosha – Lighting – no conflicts with the proposed work anticipated.

Level 3 Communications, LLC is leasing fiber facilities within the area of STH 165 and CTH H intersection. No relocations are proposed.

Midwest Fiber Networks LLC has facilities within the project limits. No conflicts with the proposed work are anticipated.

Spectrum has facilities within the project limits, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

Village of Pleasant Prairie – Sewer has facilities within the project limits, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

Village of Pleasant Prairie – Water has facilities within the project limits, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

Vinakom Communications has facilities near the east end of the project, at STH 165 and CTH H intersection. No conflicts with the proposed work are anticipated.

WE Energies - Electric has facilities within the project limits. No relocations are proposed.

WE Energies - Gas has facilities within the project limits. The following utility work is planned in the project corridor prior to construction at the STH 165 and CTH H intersection. WE Energies estimates that the work would take 10 working days to complete.

Tying into 8" gas main outside of the valve pit located at Station 511+61, 80' LT.

Installing an 8" p.e. gas main which elbows straight east and crosses STH 165 at Station 512+00.

Gas main will follow the southeast vision corner varying from 3.5' to 9' west of the east right-of-way of CTH H.

Tying into existing gas main on CTH H approximately at Station 28+65, 77' RT.

Any facilities not explicitly identified as being relocated and/or adjusted have been deemed to be not in conflict and will remain in place as is. It is expected that contractors will work safely around any facilities left within the work zone.

It is imperative that the highway contractor contact We Energies before removing any gas facilities, to verify that they have been discontinued and carry no natural gas. The contractor must not assume that unmarked facilities have been discontinued. At no time is it acceptable to push, pull, cut or drill an unmarked facility without explicit consent from We Energies. Contractor must call the We Energies 24-hour Dispatch lines to arrange for this verification.

We Energies Gas Dispatch, #1 (800) 261-5325

Schedule of Items

Attached, dated February 10, 2023, are the revised Schedule of Items Page 9.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 47, 90 and 94.

END OF ADDENDUM

Addendum No. 01
ID 4677-10-71
Revised Sheet 3
February 10, 2023

UTILITY CONTACTS

DALE DEFEVER
AT&T LOCAL NETWORK - COMMUNICATION LINE
39869 LINN ST
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DD2579@ATT.COM

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WISCONSIN DEPARTMENT OF TRANSPORTATION - COMMUNICATION LINE
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JEFFREY.MADSON@DOT.WI.GOV

BEAU ABUYA
SPECTRUM - COMMUNICATION LINE
1320 N DR MARTIN LUTHER KING JR DR
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WISENGINEERING@CHARTER.COM

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8600 GREEN BAY ROAD
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JSTEINBRINK@PLEASANTPRAIRIEWI.GOV

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WE ENERGIES - ELECTRICITY
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WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

GENERAL MAIL BOX CENTURYLINK NATIONAL OSP RELOC
CENTURYLINK COMMUNICATIONS, LLC - COMMUNICATION LINE
RELOCATIONS@LUMEN.COM

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RICHARD TRGOVEC
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NETWORK RELOCATIONS
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BROOMFIELD, CO 80021
RELOCATIONS@LUMEN.COM

DNR CONTACT

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141 NW BARSTOW ST
WAUKESHA WI 53188
(262) 623-0194
BENTON.STELZEL@WISCONSIN.GOV

SEWRPC CONTACTS

ROB MERRY (CHIEF SURVEYOR)
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187-1607
(262) 953-4289
CELL (920) 912-1036
FAX (262) 547-1103
RMERRY@SEWRPC.ORG

ANDY TRAEGER (CONSTRUCTION COORDINATOR)
SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
W239N1812 ROCKWOOD DRIVE
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(262) 953-4296
CELL (262) 853-8463
FAX (262) 547-1103
ATRAEGER@SEWRPC.ORG

WISDOT CONTACTS

WISDOT SIGNALS ENGINEER
JOYCE MURPHY
141 NW BARSTOW ST
WAUKESHA, WI 53187
(262) 548-5933
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WISDOT ELECTRICAL FIELD UNIT
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935 S 60TH STREET
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WISDOT CONTACTS

WISDOT PROJECT MANAGER
MALATHI KARRI
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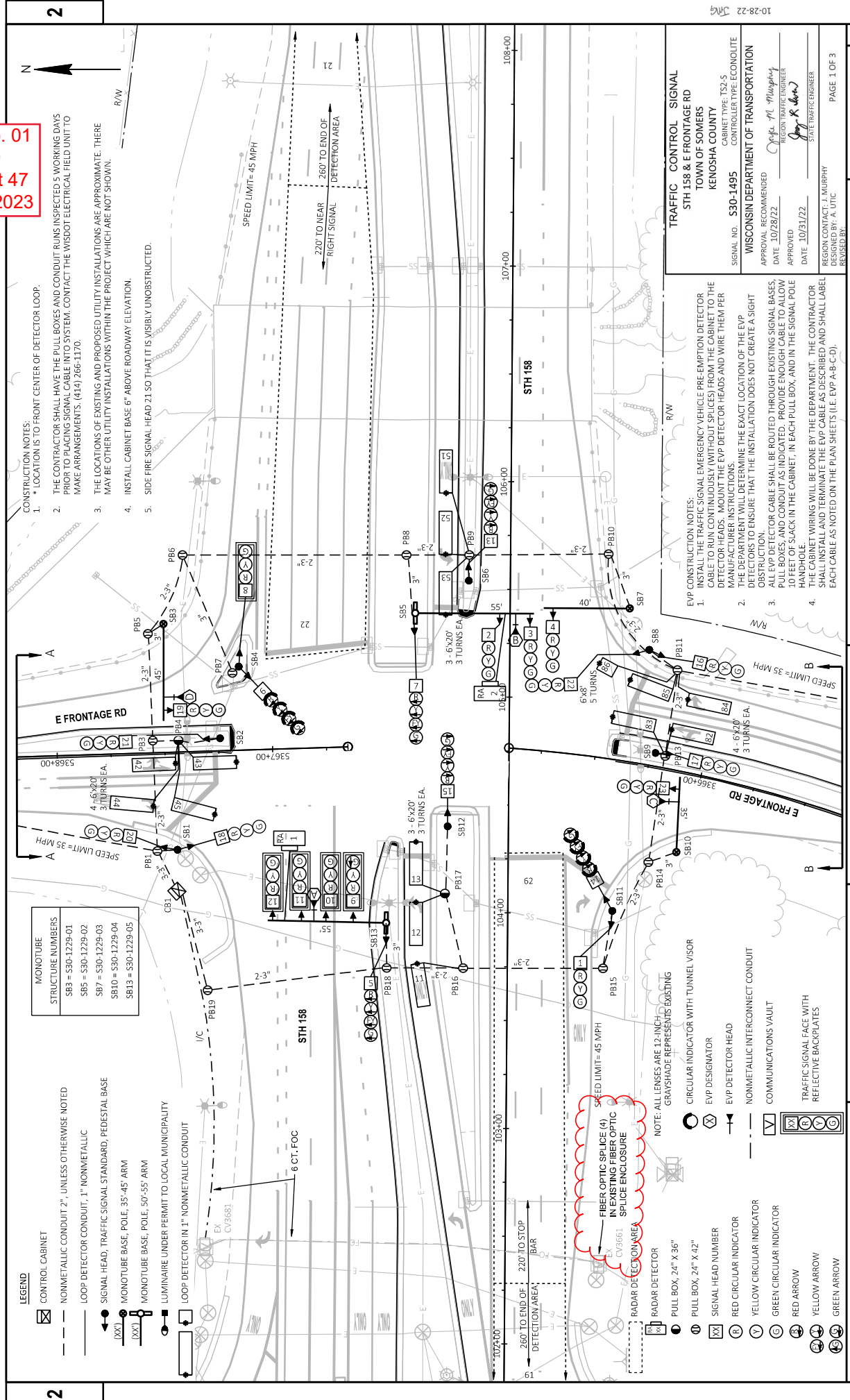
WISDOT ELECTRICAL FIELD UNIT
DENNIS CAULLEY (LEAD ELECTRICIAN)
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Dial 811 or (800) 242-8511
www.DiggersHotline.com

Addendum No. 01
ID 3700-11-70
Revised Sheet 47
February 10, 2023



- CONSTRUCTION NOTES:**
- LOCATIONS TO FRONT CENTER OF DETECTOR LOOP.
 - THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
 - THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
 - INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
 - SIDE FIRE SIGNAL HEAD 21 SO THAT IT IS VISIBLY UNOBSTRUCTED.

MONOTUBE STRUCTURE NUMBERS
SB3 = S30-1229-01
SB5 = S30-1229-02
SB7 = S30-1229-03
SB10 = S30-1229-04
SB13 = S30-1229-05

- LEGEND**
- CONTROL CABINET
 - NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
 - LOOP DETECTOR CONDUIT, 1" NONMETALLIC
 - SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
 - MONOTUBE BASE, POLE, 35'-45' ARM
 - MONOTUBE BASE, POLE, 50'-55' ARM
 - LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
 - LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
 - 6 CT. FOC
 - CV3081
 - CV3661

- NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING
- CIRCULAR INDICATOR WITH TUNNEL VISOR
- EVP DESIGNATOR
- EVP DETECTOR HEAD
- NONMETALLIC INTERCONNECT CONDUIT
- COMMUNICATIONS VAULT
- TRAFFIC SIGNAL FACE WITH REFLECTIVE BACKPLATES
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

- EVP CONSTRUCTION NOTES:**
- INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
 - THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP OBSTRUCTION.
 - ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, AND ADDITIONAL DETECTOR CABLE SHALL BE ENGINEERED TO ALLOW 10 FEET SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
 - THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

TRAFFIC CONTROL SIGNAL
STH 158 & E FRONTAGE RD
TOWN OF SOMERS
KENOSHA COUNTY
SIGNAL NO. S30-1495
CABINET TYPE: TS-5
CONTROLLER TYPE: ECONOLITE
WISCONSIN DEPARTMENT OF TRANSPORTATION
 APPROVAL RECOMMENDED
 DATE 10/28/22
 APPROVED
 DATE 10/31/22
 REGIONAL TRAFFIC ENGINEER
 STATE TRAFFIC ENGINEER
 DESIGNED BY: A. UTC
 REVISED BY:
 REGION CONTACT: J. MURPHY
 PAGE 1 OF 3

GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	614.0395	614.0920	614.0950	614.0951
					GUARDRAIL MOW STRIP CONCRETE SY	SALVAGED RAIL LF	REPLACING GUARDRAIL POSTS AND BLOCKS EACH	REPLACING GUARDRAIL RAIL AND HARDWARE LF
	3366+12		3366+25	SE QUADRANT OF STH 158 & E FRONTAGE RD (TRAFFIC SIGNAL CONDUIT INSTALLATION)	2	13		13
0010	105+64	-	105+89	EB STH 158 (RT)		50	3	50
0010	5367+90	-	5368+15	EAST FRONTAGE RD (RT)		50	3	50
0010				TOTAL 0010	2	113	6	113

Addendum No. 01
 ID 3700-11-70
 Revised Sheet 90
 February 10, 2023

STAKING

CATEGORY	STATION TO	STATION	LOCATION	650.8501.01	650.9911.01
				CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (3700-11-70) EACH	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (3700-11-70) EACH
0010	-	-	UNDISTRIBUTED	1	1
			TOTAL 0010	1	1

STATE FURNISHED MATERIALS SUMMARY

STH 158 & E FRONTAGE RD
KENOSHA COUNTY
CATEGORY 0010
S30-1495

EACH	DESCRIPTION
1	TRAFFIC SIGNAL CONTROLLER, FULLY ACTUATED, 8 PHASE
1	ETHERNET SWITCH
3	POLES TYPE 9 SPECIAL
2	POLES TYPE 12
1	MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS 40-FT TYPE 9/10 SPEC POLE
1	MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE
2	MONOTUBE ARMS 55-FT
2	RADAR DETECTOR
4	EVP DETECTOR HEADS

STATE FURNISHED FOR INFORMATION ONLY

SIGNAL BASE NO.	POLES SPECIAL EACH		POLES TYPE 9 EACH		POLES TYPE 12 EACH		MONOTUBE ARMS 35-FT TYPE 9/10 SPEC POLE EACH		MONOTUBE ARMS 40-FT TYPE 9/10 SPEC POLE EACH		MONOTUBE ARMS 45-FT TYPE 9/10 SPEC POLE EACH		MONOTUBE ARMS 55-FT EACH		RADAR DETECTOR EACH		EVP DETECTOR HEADS EACH		
	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	
SB3	1																		
SB5																			
SB7																			
SB10	1																		
SB13																			
TOTAL	3	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	4	4

CONDUIT

FROM	TO	DESCRIPTION	652.0225	652.0235	652.0605	652.0615
CB1	PB1	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	63			
CB1	PB19	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	144			
PB1	PB2	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	224			
PB1	SB1	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	9			
EX CV3681	CB1	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	165			
PB1	PB3	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				102
PB3	PB4	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	12			
PB3	PB5	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				100
PB4	SB2	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	20			
PB5	SB3	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		9		
PB5	PB6	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		82		
PB5	PB7	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				59
PB6	PB8	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				208
PB7	SB4	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	5			
PB8	SB5	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		28		
PB8	PB9	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				58
PB9	SB6	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	12			
PB9	PB10	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				126
PB10	SB7	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		27		
PB10	PB11	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		136		
PB11	SB8	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	16			
PB11	PB12	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	225		15	
PB11	PB13	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				80
PB13	SB9	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	5			
PB13	PB14	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				100
PB14	SB10	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		14		
PB14	PB15	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		108		
PB15	SB11	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	27			
PB15	PB16	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				130
PB16	PB17	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	36			
PB16	PB18	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				70
PB17	SB12	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.	31			
PB18	SB13	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.		21		
PB18	PB19	CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH L.F.				168
TOTAL			787	632	15	1201

COMMUNICATIONS EQUIPMENT (FOR INFORMATION ONLY)

LOCATION	INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET EACH	ST-ST SINGLE MODE FIBER JUMPER 4-FEET EACH	CAT-5E-CABLE 5-FEET EACH
CB1 (S30-1495)	1	2	2
TOTAL	1	2	2

STATE-FURNISHED COMM. EQUIPMENT (FOR INFORMATION ONLY)

FROM	TO	1/C PB1	500
CB1 (S30-1495)		1	500
TOTAL		1	500

FIBER OPTIC SPLICES	
678,0300	FIBER OPTIC SPLICE EACH
EX CV3661	4
TOTAL	4

Addendum No. 01
ID 3700-11-70
Revised Sheet 94
February 10, 2023

3

3



Proposal Schedule of Items

Proposal ID: 20230214025 Project(s): 3700-11-70

Federal ID(s): N/A

SECTION: 0001 Signal Work

Alt Set ID: Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0244	SPV.0060 Special 18. INSTALL FIBER OPTIC COMMUNICATIONS IN CABINET STH 158 & E Frontage Rd	1.000 EACH	_____.	_____.
0246	SPV.0060 Special 19. CONCRETE BASE TYPE 10 SPECIAL EXTENSION	1.000 EACH	_____.	_____.
0248	SPV.0060 Special 20. SPECIAL (UTILITY LINE OPENING (ULO))	6.000 EACH	_____.	_____.
0250	SPV.0090 Special 01. CABLE TYPE UF 3-14 AWG	1,135.000 LF	_____.	_____.
0252	SPV.0195 Special 01. ASPHALT REPAIR SPECIAL	18.000 TON	_____.	_____.
0254	650.8501 Construction Staking Electrical Installations (project) 01. 3700-11-70	1.000 EACH	_____.	_____.
0256	650.9911 Construction Staking Supplemental Control (project) 01. 3700-11-70	1.000 EACH	_____.	_____.
0258	678.0300 Fiber Optic Splice	4.000 EACH	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

