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## NOTICE TO ALL CONTRACTORS:

## Proposal \#03: 1661-05-76, WISC 2018035 <br> Marquette Rd, Prairie du Chien <br> La Pointe St to Mooney St <br> STH 35 <br> Crawford County

1661-05-86<br>Marquette Rd, Prairie du Chien<br>La Pointe St to Mooney St<br>STH 35<br>Crawford County

## Letting of January 9, 2018

This is Addendum No. 02, which provides for the following:

## Special Provisions:

| Revised Special Provisions |  |  |
| :---: | :--- | :--- |
| Article <br> No. | Description |  |
| 3 | Prosecution and Progress |  |
| 4 | Traffic |  |


| Added Special Provisions |  |
| :---: | :---: |
| Article <br> No. | Description |
| 40 | Flashing Beacon System, STH 35 and Campion Blvd, Item SPV.0105.05; Flashing Beacon <br> System, STH 35 and Wells Street, Item SPV.0105.06. |

Schedule of Items:

| Added Bid Item Quantities |  |  |  |  |  |
| :---: | :--- | :---: | :---: | :---: | :---: |
| Bid Item | Item Description | Unit | Old <br> Quantity | Revised <br> Quantity | Proposal <br> Total |
| SPV.0105.05 | Flashing Beacon System, STH 35 and <br> Campion Blvd | LS | 0 | 1 | 1 |
| SPV.0105.06 | Flashing Beacon System, STH 35 and Wells <br> Street | LS | 0 | 1 | 1 |

Plan Sheets:

| Revised Plan Sheets |  |
| :---: | :--- |
| Plan <br> Sheet | $\quad$Plan Sheet Title (brief description of changes to sheet) |
| 119 | Community Sensitive Design (delete reference to Rectangular Rapid Flashing Beacon <br> (RRFB) system, change to Flashing Beacon system) |
| 121 | Community Sensitive Design (delete reference to Rectangular Rapid Flashing Beacon <br> (RRFB) system, change to Flashing Beacon system) |
| 123 | Community Sensitive Design (delete reference to Rectangular Rapid Flashing Beacon <br> (RRFB) system detail, add Flashing Beacon system detail) |
| 130 | Permanent Signing plan (delete reference to Rectangular Rapid Flashing Beacon (RRFB) <br> system, change to Flashing Beacon system) |
| 134 | Permanent Signing plan (delete reference to Rectangular Rapid Flashing Beacon (RRFB) <br> system, change to Flashing Beacon system) |
| 204 | Miscellaneous Quantities (delete reference to Rectangular Rapid Flashing Beacon (RRFB) <br> system, change to Flashing Beacon system) |
| 205 | Miscellaneous Quantities (delete reference to Rectangular Rapid Flashing Beacon (RRFB) <br> system, change to Flashing Beacon system) |
| 206 | Miscellaneous Quantities (delete reference to Rectangular Rapid Flashing Beacon (RRFB) <br> system, change to Flashing Beacon system) |
| 213 | Miscellaneous Quantities (add table for Flashing Beacon System item, SPV.0105.01 and <br> SPV.0105.02) |
| 241 | Plan and Profile (delete reference to Rectangular Rapid Flashing Beacon (RRFB) system, <br> change to Flashing Beacon system) |
| 245 | Plan and Profile (delete reference to Rectangular Rapid Flashing Beacon (RRFB) system, <br> change to Flashing Beacon system) |

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. 02

1661-05-76 \& 1661-05-86
January 4, 2018

## Special Provisions

## 3. Prosecution and Progress.

Replace paragraphs 7, 8, and 9 with the following:
At the beginning of Stage 2B operations, close STH 35/Parrish Street to through traffic for a maximum of 19 calendar days. Do not reopen until completing the following work: All underground work and a final paved surface suitable for traffic.

If the contractor fails to complete the work necessary to reopen STH 35/ Parrish Street to traffic within 19 calendar days, the department will assess the contractor $\$ 4,500$ in interim liquidated damages for each calendar day the contract work remains incomplete beyond 19 calendar days. An entire calendar day will be charged for any period of time within a calendar 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.

## 4. Traffic.

Replace entire section titled Stage 2B with the following:
Stage 2B
A full closure of the Parrish Street intersection will be allowed for up to 15 working days, carrying over through two full weekends only.
40. Flashing Beacon System, STH 35 and Campion Blvd, Item SPV.0105.05; Flashing Beacon System, STH 35 and Wells Street, Item SPV.0105.06.

## A Description

This work shall consist of furnishing and installing a solar powered flashing beacon system consisting of multiple assemblies as described herein and as shown in the plans. Each assembly shall be solar powered and pedestrian activated.

The assemblies shall be wirelessly controlled and multiple units shall be synchronized.

## B Materials

Furnish a complete Flashing Beacon system with multiple assemblies. Each assembly may consist of, but is not limited to, light indications, wireless communication equipment, solar power equipment, and electrical components (wiring, solid-state circuit boards, etc). The Flashing Beacon units and their mountings shall comply with the provisions of Chapter 4D and Chapter 4L of the MUTCD.

## Light Indications:

The signal faces shall have a black colored door and visor with a yellow housing body containing a 12 inch Yellow LED type lens/lamp. The signal face shall be mounted with two polycarbonate mounting brackets to the pole and base at the location shown on the plan detail.

A single indication shall be installed on an assembly facing in the direction of approaching pedestrian traffic to serve as a confirmation for the pedestrian that the system has been activated.

Beacons shall be flashed at a rate of not less than 50 or more than 60 times per minute. The illuminated period of each flash shall be a minimum of $1 / 2$ and a maximum of $2 / 3$ of the total cycle. A beacon shall not be included within the border of a sign and be located above the WII-2 sign as shown on the plan detail.

The light intensity of the indications shall meet the minimum specifications of the Society of Automotive Engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated January 2005. Contractor shall furnish a Certificate of Compliance for this standard. Specifically, the certificate should state that the indications: "Meet photometry of jurisdictional compliance standard(s) identical to: 2 J595 Class 2 Nov08 Yellow Peak Cd and 2 J595 Class 3 Nov08 Yellow Cds/Min.

## Signs:

Signage shall include:
a.W11-2
b.W16-7
c. R-10-25

The assemblies must be constructed to allow the appropriate space for the installation of the signs in the field.

## Control Circuit:

The control circuit shall have the capability of independently flashing up to two independent outputs. The LED light outputs and flash pattern shall be completely programmable.

When activated, the Flashing Beacon shall operate for a predetermined interval based on MUTCD procedures for timing of pedestrian clearance times for pedestrian signals. Coordinate with the department for this interval.

To prevent continuous activation of the flashing beacon and to allow vehicular queue clearance, the flashing beacon shall be programmed to prevent activation within 30 seconds of the termination of a previous activation.

The control circuit shall be installed in an IP67 NEMA rated enclosure. All circuit connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 3 feet deep for 30 minutes. Connectors shall be Deutsch DTM series.

## Battery:

Battery unit shall be a 4.8 volt 14000 mAH Nickel Metal Hydride (NiMH). All batteries shall be sealed in a plastic film to provide moisture and corrosion resistance.

All batteries shall operate between the temperatures of $-40^{\circ} \mathrm{C}$ and $+60^{\circ} \mathrm{C}$.

## Solar Panel:

The solar panel shall be up to 13.8 " 15.4 " in size and provide up to 13.5 watts peak total output. The panel shall be sized according to the weather and field conditions to maximize performance.

The solar panel shall be mounted to an aluminum plate and bracket at an angle of $45^{\circ}-60^{\circ}$ to provide maximum output. To ensure maximum solar insolation regardless of installation location, the post top mounting system shall provide $360^{\circ}$ of rotational direction adjustment and upon installation, must be oriented with the collector facing South.

All fasteners used shall be anti-vandal.

All solar panel connectors shall conform to Ingress Protection, IP-67 rating, dust proof, and protected from temporary immersion in water up to 1 meter deep for 30 minutes. Connectors shall be Deutsch DTM series.

## Pushbutton:

Furnish freeze-proof ADA compliant pedestrian push buttons made by an approved manufacturer to meet requirements of Section 658 of the current Wisconsin Department of Transportation Standard Specifications.

## Aluminum Pole Standard and Pedestal Base:

The supporting structure (pole, breakaway transformer base, sign supports), shall be constructed of anodized aluminum and meet requirements of Section 657 of the current Wisconsin Department of Transportation Standard Specifications.

## Concrete Base:

The concrete base and anchor bolts shall be supplied and installed to meet requirements of a Concrete Base Type 1of Section 654 of the current Wisconsin Department of Transportation Standard Specifications.

## Hardware:

Furnish all hardware, connections, etc to make the Flashing Beacon system fully operational.

## C Construction

The Flashing Beacon system will consist of multiple assemblies to be constructed by the contractor as shown on the plans. Make the Flashing Beacon system fully operational. Construct and assemble the system per manufacturer's instructions.

## D Measurement

The department will measure Flashing Beacon System [Location] as a single lump sum unit of work for each location, acceptably completed.

## E Payment

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

| ITEM NUMBER | DESCRIPTION | UNIT |
| :--- | :--- | :---: |
| SPV.0105.05 | Flashing Beacon System, STH 35 and Campion Blvd | LS |
| SPV.0105.06 | Flashing Beacon System, STH 35 and Wells Street | LS |

Payment is full compensation for furnishing and installing a fully operational Flashing Beacon system; and for labor, equipment, tools, and incidentals necessary to complete a working system.

The signs are paid for under separate item and are shown elsewhere in plan.

## Schedule of Items

Attached, dated January 4, 2018, are the revised Schedule of Items Page 16.

## Plan Sheets

The following $81 / 2 \times 11$-inch sheets are attached and made part of the plans for this proposal:
Revised: 119, 121, 123, 130, 134, 204, 205, 206, 213, 241, and 245.





Addendum No. 02
ID 1661-05-76
Revised Sheet 204
January 4, 2018






Proposal ID: 20180109003 Project(s): 1661-05-76, 1661-05-86 Federal ID(s): WISC 2018035, N/A

SECTION: 0001
Alt Set ID: Alt Mbr ID:

| Proposal <br> Line <br> Number | Item ID <br> Description | Approximate <br> Quantity and <br> Units | Unit Price |
| :--- | :--- | :--- | :--- | :--- |

Total Bid: $\qquad$

