



# Wisconsin Department of Transportation

February 27, 2015

## Division of Transportation Systems Development

Bureau of Project Development  
4802 Sheboygan Avenue, Rm 601  
P O Box 7916  
Madison, WI 53707-7916

### NOTICE TO ALL CONTRACTORS:

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

**Proposal #11: 5990-01-20/21, WISC 2015 121**  
**City of Janesville, Main Street**  
**St. Lawrence Avenue to Centerway**  
**Local Street**  
**Rock County**

### Letting of March 10, 2015

This is Addendum No. 1, which provides for the following:

#### Special Provisions

Revised Special Provisions	
Article No.	Description
45	Decorative Luminaire, Item SPV.0060.07
65	Rectangular Rapid Flashing Beacon (RRFB) With Pedestrian Activation, Item SPV.0105.01

#### Schedule of Items

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
637.2230	Signs Type II Reflective F	SF	33	0	0

## Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
89	Signing and Pavement Markings (Revised notes for signs)
126	Miscellaneous Quantities (Updated Permanent Signing Table)
127	Miscellaneous Quantities (Updated Permanent Signing 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. 1**

**5990-01-20/21**

**February 27, 2015**

**Special Provisions**

**45. Decorative Luminaire, Item SPV.0060.07.**

*Replace Section B Materials with the following:*

**B Materials**

Furnish the following luminaire: Sternberg Libertyville #1914LED/A/RLM431/HS-H/40L45T3-MDL10/R1/BKT with multi-tap ballast, borosilicate glass, and photocell. Finish shall be black.

**65. Rectangular Rapid Flashing Beacon (RRFB) With Pedestrian Activation SPV.0105.01.**

*Replace Section B Materials with the following:*

**B Materials**

**1.0 General Requirements**

RRFB-XL™ shall be in conformance with all applicable MUTCD standards and guidelines, and shall exceed the minimum requirements specified in FHWA Memorandum IA-11, Interim Approval for Optional Use of Rectangular Rapid Flashing Beacons. It shall consist of rapidly and alternately flashed rectangular yellow indications having LED-array based pulsing light sources, and shall be designed, located, and operated in accordance with the detailed requirements specified in Memorandum IA-11,

Interim Approval for Optional Use of RRFB and subsequent amendments as detailed herein.

- 1.1 Each RRFB-XL™ shall be a complete assembly consisting of but not limited to controller and electrical components (wiring), LED indications in a light bar, signage, sign mounting and pushbuttons.
- 1.2 An RRFB-XL™ assembly will have two (2) light bars (mounted back-to-back facing dual directions) per pole.
- 1.3 Each Light Bar shall house two rapidly and alternately flashing rectangular yellow indications and two yellow side-mounted pedestrian indications, one on each end as shown in the plans. Each side-mounted pedestrian indication shall have an LED-array based light source. The LED-based pulsing light arrays shall be designed, located and operated in accordance with the detailed requirements as specified on the plans. Active vehicle indications shall be visible at distances over 1000 feet during the day and over 1 mile at night.
- 1.4 Individual components shall be replaceable independently of other components, equipped with approved terminal strips or wire-end molded connectors.

**2.0 Functional Requirements**

Per FHWA guidelines, RRFB shall be normally dark, shall initiate operation only upon pedestrian actuation, and shall cease operation at a predetermined time after the pedestrian actuation. The flash cycle duration should be based on the MUTCD procedures for timing of pedestrian clearance times for pedestrian signals: refer to MUTCD 2009 Section 4E.06 and any State-specified regulations.

As a specific exception to requirements for the flash rate of beacons as stated in 2009 MUTCD Section 4K.01, RRFBs shall use a much faster flash rate. Each of the two yellow vehicle indications of an RRFB shall have 70 to 80 periods of flashing per minute and shall have alternating, but approximately equal, periods of rapid flashing light emissions and dark operation. During each of its 70 to 80 flashing periods per minute, one of the yellow indications shall emit two medium rapid pulses of light and the other yellow indication shall emit four short rapid pulses of light followed by a long pulse.

The outside edges of the RRFB indications, including the Light Bar, shall not project beyond the outside edges of the W11-2. The flash rate of each individual yellow indication, as applied over the full on-off sequence of a flashing period of the indication, shall not be between 5 and 30 flashes per second, to avoid frequencies that might cause seizures.

- 2.1 Each RRFB-XL™ shall require 110VAC
- 2.2 Upon activation by ADA-compliant pushbutton, the two yellow indications in each RRFB-XL™ shall flash in a rapidly alternating “wig-wag” flashing sequence (left indication on, then right indication on).
- 2.3 The light intensity of the vehicle indications shall meet the minimum specifications of Society of Automotive Engineers (SAE) standard J595 (Directional Flashing Optical Warning Devices for Authorized Emergency, Maintenance, and Service Vehicles) dated November 2008. Manufacturer Certification of Compliance shall be provided upon request.
- 2.4 When activated, all indications associated with a given crosswalk (including those with an advance crossing sign, if used) shall simultaneously commence operation of their alternating rapid flashing within 120msec, and shall cease operation at a predetermined time after the pedestrian actuation.
- 2.5 The duration of the flash cycle shall be programmable from 1 second to 24 hours, in increments of seconds, minutes and hours.
- 2.6 The Pedestrian indications shall be directed at and visible to pedestrians both waiting to cross and within the crosswalk, and it shall flash concurrently with the vehicle indications to give confirmation that the RRFB-XL™ is in operation.
- 2.7 The system shall include an actuation counter providing data that can be downloaded on-site to a laptop computer using DB9 or USB type cables.

### **3.0 Material Specification**

The Manufacturer shall provide a complete RRFB-XL™ assembly, consisting of but not limited to the controller and electrical components (including wiring and solid-state circuit boards), LED indications in a light bar, signage, sign mounting and pushbuttons.

- 3.1 Light Bar Housing and Indications
  - a. The Light Bar housing shall be constructed of durable, corrosion-resistant powder-coated aluminum with stainless steel fasteners.
  - b. Enclosed components shall be modular in design whereby any component can be easily replaced using common hand tools, without having to remove the housing from the pole.
  - c. All mounting hardware required for mounting the Light Bar housing shall be provided, and shall be powder coated black (RAL 9017).
  - d. Each of the two vehicle RRFB-XL™ LED indications shall be approximately 7.25" wide x 3" high.

- e. A pedestrian LED indication, approximately 0.5" wide x 2.5" high, shall be side-mounted on both sides in the Light Bar housing, as shown in the plans, to be directed at and visible to pedestrians both waiting to cross and within the crosswalk.
- f. The LEDs used shall be rated for a minimum 15-year life span.

### 3.2 Controller

- a. The Controller shall be housed in a NEMA 4X rated aluminum enclosure, metal black (RAL 9017) in color, intended for indoor or outdoor use, primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose-directed water, and damage from ice formation.
- b. The LED light outputs and flash pattern shall be completely programmable, with the capability to actuate RRFB-XL, RRFB, round LED signal beacons and LED-enhanced signs.
- c. The flashing output shall have 70 to 80 periods of flashing per minute, during which one of the yellow indications shall emit two medium pulses of light and the other yellow indication shall emit four short rapid pulses of light followed by a long pulse. The output current shall be maintained as programmed for the duration of the pulse. The flashing output shall be programmable.
- d. The Controller shall be reconfigurable if future MUTCD or State guidelines specify a different flash pattern.
- e. The Controller shall be capable of storing input count data in preset intervals, with downloadable capabilities using optional Windows-based PC software program and standard RS232 programming cable.
- f. The Controller shall be, in the unlikely event of failure, replaceable independently of other components.

### 3.3 Power Supply

- a. The input voltage ranges from 100 to 240 volts and is between 50-60 Hz.
- b. The maximum total output from this supply is 30 watts.

### 3.4 Pedestal Shaft

- a. Must mount on standard 4.5: OD aluminum pedestal pole with breakaway base.

### 3.5 Signs and Plaques

- a. All signs shall conform to MUTCD standards.
- b. All sign blanks and plaques shall be Federally specified .080 gauge, 5052 aluminum.
- c. Unless specified otherwise, sign sheeting shall be **Fluorescent Yellow 3M™ DG3** diamond grade cubed or equivalent prismatic sheeting, with anti-graffiti overlay.
- d. All sign assemblies shall use provided anti-vandal fasteners and tools to mount components to sign, and sign to fixture.
- e. Crossing signs shall be W11-2 per MUTCD (4 signs).
- f. Crossing plaques W16-7P shall also accompany the crossing signs (4 signs).
- g. Pedestrian pushbutton instruction signs shall be furnished, at a minimum size of 5" x 7", to be mounted adjacent to or integral with each pedestrian pushbutton (2 signs).

### 3.6 Bulldog Pushbutton

- a. The Push Button shall be capable of continuous operation within a temperature range of -30° to 165°F (-34° to 74°C).
- b. The Push Button shall be ADA compliant, and shall operate as a normally open (n/o) circuit.
- c. Shall be Polara Bulldog 3 model (Black)

## 4.0 Warranty

The system shall be supported by a three-year warranty.

**Schedule of Items**

Attached, dated February 27, 2015, are the revised Schedule of Items Pages 10 and 11.

**Plan Sheets**

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:  
Revised: 89, 126, and 127.

END OF ADDENDUM

REMOVE OVERHEAD SIGN SUPPORT AND BASE

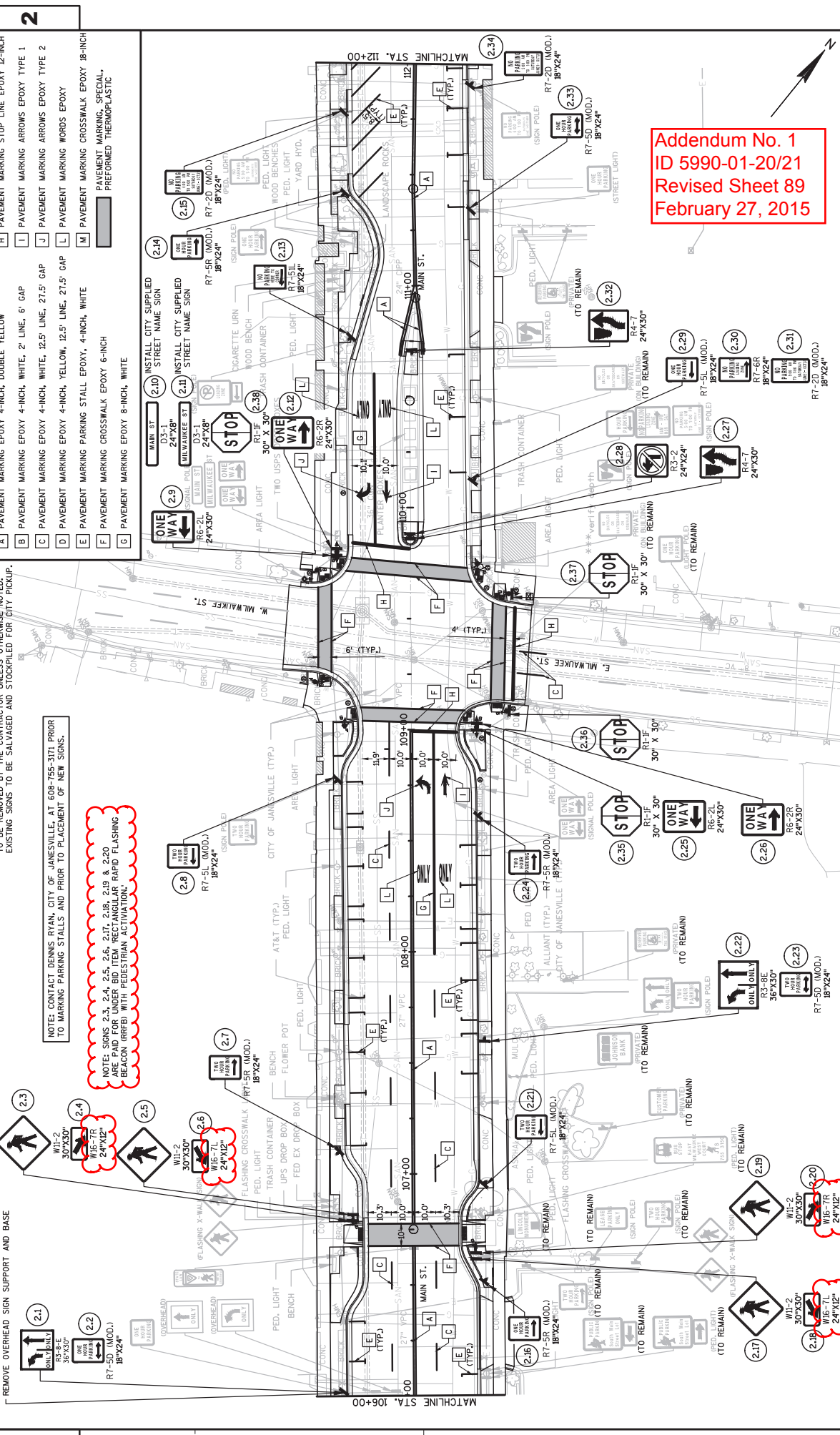
NOTE: ALL EXISTING SIGNS AND POSTS WITHIN THE PROJECT LIMITS TO BE REMOVED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. EXISTING SIGNS TO BE SALVAGED AND STOCKPILED FOR CITY PICKUP.

NOTE: CONTACT DENNIS RYAN, CITY OF JAMESVILLE, AT 608-755-3171 PRIOR TO MARKING PARKING STALLS AND PRIOR TO PLACEMENT OF NEW SIGNS.

NOTE: SIGNS 2.3, 2.4, 2.5, 2.6, 2.7, 2.8, 2.19, & 2.20 ARE PAID FOR UNDER BID ITEM 'RECTANGULAR RAPID FLASHING BEACON (REF) WITH PEDESTRIAN ACTIVATION'.

LEGEND

- A PAVEMENT MARKING EPOXY 4-INCH, DOUBLE YELLOW
- B PAVEMENT MARKING EPOXY 4-INCH, WHITE, 2' LINE, 6' GAP
- C PAVEMENT MARKING EPOXY 4-INCH, WHITE, 12.5' LINE, 27.5' GAP
- D PAVEMENT MARKING EPOXY 4-INCH, YELLOW, 12.5' LINE, 27.5' GAP
- E PAVEMENT MARKING PARKING STALL EPOXY, 4-INCH, WHITE
- F PAVEMENT MARKING CROSSWALK EPOXY 18-INCH PREFORMED THERMOPLASTIC
- G PAVEMENT MARKING EPOXY 8-INCH, WHITE
- H PAVEMENT MARKING STOP LINE EPOXY 12-INCH
- I PAVEMENT MARKING ARROWS EPOXY TYPE 1
- J PAVEMENT MARKING ARROWS EPOXY TYPE 2
- K PAVEMENT MARKING WORDS EPOXY
- L PAVEMENT MARKING CROSSWALK EPOXY 18-INCH PREFORMED THERMOPLASTIC



Addendum No. 1  
 ID 5990-01-20/21  
 Revised Sheet 89  
 February 27, 2015

DELETED BID ITEM 637.2230  
SIGNS TYPE II REFLECTIVE F

Addendum No. 1  
ID 5990-01-20/21  
Revised Sheet 126  
February 27, 2015

PERMANENT SIGNING

CATEGORY	NO	STATION	LOCATION	CODE	SIZE IN X IN	SF	(637.2210) SIGN TYPE II REFLECTIVE H	(637.2215) SIGN TYPE II REFLECTIVE H	(634.0814) POSTS TUBULAR STEEL 2X2-INCH 14-FT	(634.0816) POSTS TUBULAR STEEL 2X2-INCH 16-FT	(SPV.0060.22) INSTALL CITY SUPPLIED STREET NAME SIGN	NOTE
0010	1.1	100+84	LT	D3-1	24 X 8	-	-	-	1	-	1	-
	1.2	100+84	LT	D3-1	24 X 8	-	-	-	-	-	1	-
	1.3	100+84	LT	R1-1	30 X 30	6.25	-	-	-	-	-	ON STREET LIGHT POLE
	1.4	101+79	LT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.5	102+60	LT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.6	103+45	LT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.7	103+90	LT	R6-2L	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.8	104+68	LT	R6-2R	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.9	104+70	LT	R6-2L	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.10	104+70	LT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON STREET LIGHT POLE
	1.11	104+98	LT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.12	104+24	RT	R1-1	30 X 30	6.25	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.13	101+38	RT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.14	101+38	RT	D4-1	30 X 24	5.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.15	102+36	RT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.16	102+36	RT	R7-5L	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.17	102+78	RT	R3-8D	36 X 30	7.50	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.18	103+60	RT	R6-2R	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.19	103+60	RT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.20	103+60	RT	R6-2L	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.21	104+49	RT	R2-1	24 X 30	5.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.22	104+65	RT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.23	104+65	RT	R6-2R	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.24	105+25	RT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE
	1.25	104+03	LT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE
	1.26	104+58	LT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.1	106+02	LT	R3-8E	36 X 30	7.50	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.2	106+02	LT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.3	106+80	LT	W11-2	30 X 30	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.4	106+80	LT	WF16-7R	24 X 12	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.5	106+80	LT	W11-2	30 X 30	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.6	106+80	LT	WF16-7L	24 X 12	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
	2.7	107+10	LT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE
2.8	108+77	LT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.9	108+80	LT	R6-2L	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.10	108+80	LT	D3-1	24 X 8	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.11	108+80	LT	D3-1	24 X 8	-	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.12	108+80	LT	R6-2R	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.13	110+75	LT	R7-5L	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.14	111+42	LT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.15	111+76	LT	R7-2D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE	
2.16	106+52	RT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE	
2.17	106+62	RT	W11-2	30 X 30	-	-	-	-	-	-	ON STREET LIGHT POLE	
2.18	106+62	RT	WF16-7L	24 X 12	-	-	-	-	-	-	ON STREET LIGHT POLE	
2.19	106+65	RT	W11-2	30 X 30	-	-	-	-	-	-	ON STREET LIGHT POLE	
2.20	106+65	RT	WF16-7R	24 X 12	-	-	-	-	-	-	ON STREET LIGHT POLE	
2.21	106+96	RT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE	
2.22	107+61	RT	R3-8E	36 X 30	7.50	-	-	-	-	-	ON STREET LIGHT POLE	
2.23	107+61	RT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE	
2.24	108+62	RT	R7-5R (MOD.)	18 X 24	3.00	-	-	-	-	-	ON STREET LIGHT POLE	
2.25	108+96	RT	R6-2L	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.26	108+96	RT	R6-2R	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.27	109+87	ONLINE	R4-7	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.28	109+87	ONLINE	R3-2	24 X 24	4.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.29	110+13	RT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.30	110+13	RT	R7-6R	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.31	110+13	RT	R7-2D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.32	110+70	ONLINE	R4-7	24 X 30	5.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.33	111+35	RT	R7-5D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.34	111+91	RT	R7-2D (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.35	109+01	RT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.36	109+08	RT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.37	109+61	RT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE	
2.38	109+80	LT	R1-1F	30 X 30	-	6.25	-	-	-	-	ON TRAFFIC SIGNAL POLE	
3.1	112+28	LT	R7-5L (MOD.)	18 X 24	3.00	-	-	-	-	-	ON TRAFFIC SIGNAL POLE	

PAID FOR UNDER RFRFB BID ITEM  
PAID FOR UNDER RFRFB BID ITEM  
PAID FOR UNDER RFRFB BID ITEM

PAID FOR UNDER RFRFB BID ITEM  
PAID FOR UNDER RFRFB BID ITEM  
PAID FOR UNDER RFRFB BID ITEM



DELETED BID ITEM 637, 2230  
SIGN TYPE II REFLECTIVE F

3

PERMANENT SIGNING

CATEGORY	NO.	STATION	LOCATION	CODE	SIZE IN X IN	SP	(637, 2210) SIGN TYPE II REFLECTIVE H	(637, 2215) SIGN TYPE II FOLDING	(634, 0814) POSTS TUBULAR STEEL 2X2 INCH #4 FT	(634, 0816) POSTS TUBULAR STEEL 2X2 INCH #6 FT	(SPV, 0060, 22) INSTALL CITY SUPPLIED STREET NAME SIGN	NOTE
0010	3.2	113+16	LT	R7-5R (MOD.)	18 X 24	3.00						
	3.3	113+16	LT	R7-2D (MOD.)	18 X 24	3.00						
	3.4	114+10	LT	R7-5L (MOD.)	18 X 24	3.00						
	3.5	114+10	LT	R7-2D (MOD.)	18 X 24	3.00						
	3.6	114+64	LT	R7-ID	18 X 24	3.00						
	3.7	115+80	LT	R7-ID	18 X 24	3.00						WITH MOVING SIGNS TYPE II
	3.9	116+63	LT	R7-5R (MOD.)	18 X 24	3.00						
	3.10	117+65	LT	R7-5L (MOD.)	18 X 24	3.00						
	3.11	112+16	RT	R7-5R (MOD.)	18 X 24	3.00						
	3.12	112+93	RT	D3-1	24 X 8	-						
	3.13	112+93	RT	D3-1	24 X 8	-						
	3.14	112+93	RT	R1-1	30 X 30	6.25						
	3.15	113+11	RT	R7-1L	18 X 24	3.00						
	3.16	114+48	RT	R7-ID	18 X 24	3.00						
	3.17	115+61	RT	R7-1R	18 X 24	3.00						
	3.18	116+40	RT	R7-5D (MOD.)	18 X 24	3.00						
	3.19	116+81	RT	R7-5R	18 X 24	3.00						
	3.20	117+67	RT	R7-52R	18 X 24	3.00						
	4.1	118+19	LT	R7-ID	18 X 24	3.00						WITH MOVING SIGNS TYPE II
	4.3	119+23	LT	R7-ID	18 X 24	3.00						ON STREET LIGHT POLE
	4.4	120+11	LT	R7-51R	18 X 24	3.00						
	4.5	122+08	LT	R7-1L	18 X 24	3.00						
	4.6	118+51	RT	R7-5D (MOD.)	18 X 24	3.00						
	4.7	119+56	RT	D3-1	24 X 8	-						
	4.8	119+56	RT	D3-1	24 X 8	-						
	4.9	119+56	RT	R1-1	30 X 30	6.25						
	4.10	120+14	RT	R7-ID	18 X 24	3.00						
	4.11	121+72	RT	R7-ID	18 X 24	3.00						
<b>PROJECT TOTALS</b>						<b>262.50</b>	<b>50.00</b>	<b>4</b>	<b>35</b>	<b>4</b>	<b>8</b>	

TRAFFIC CONTROL

CATEGORY	STAGE	DRUMS NO. DEVICES	DRUMS DAY	(643, 0420) BARRICADES TYPE III	DAY	(643, 0705) WARNING LIGHTS TYPE A	DAY	(643, 0800) ARROW BOARD	DAY	(643, 0900) SIGNS DAY	(643, 1000) SIGNS FIXED MESSAGE	(643, 3000) DETOUR SIGNS	(643, 1050) PCMS
0010	STAGE 1	116	7,076	24	1,964	4,980	4	244	54	3,294	76	3,273	244
	STAGE 2	116	8,700	24	1,800	6,000	4	500	53	3,975	28	4,875	300
<b>PROJECT TOTALS</b>		<b>15,776</b>	<b>15,776</b>	<b>48</b>	<b>3,764</b>	<b>10,980</b>	<b>8</b>	<b>744</b>	<b>107</b>	<b>7,269</b>	<b>105</b>	<b>8,108</b>	<b>544</b>

Addendum No. 1  
ID 5990-01-20/21  
Revised Sheet 127  
February 27, 2015

COVER PLATES TEMPORARY

CATEGORY	DESCRIPTION	(611.8120.S) EACH
0010	UNDISTRIBUTED	5
<b>PROJECT TOTAL</b>		<b>5</b>

TEMPORARY CROSSWALK ACCESS

CATEGORY	DESCRIPTION	(SPV, 0045, 01) DAYS
0010	ST. LAWRENCE	153
	E. COURT ST.	153
	E. MILWAUKEE ST.	153
	E. WALL ST.	153
	PEASE CT.	153
<b>PROJECT TOTAL</b>		<b>1,071</b>

3

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310011PROJECT(S):  
5990-01-20  
5990-01-21FEDERAL ID(S):  
WISC 2015121  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0930	637.2210 Signs Type II Reflective H	262.500 SF	.		.	
0940	637.2215 Signs Type II Reflective H Folding	50.000 SF	.		.	
0960	638.2102 Moving Signs Type II	3.000 EACH	.		.	
0970	638.2602 Removing Signs Type II	75.000 EACH	.		.	
0980	638.3000 Removing Small Sign Supports	28.000 EACH	.		.	
0990	642.5001 Field Office Type B	1.000 EACH	.		.	
1000	643.0100 Traffic Control (project) 01. 5990-01-20	1.000 EACH	.		.	
1010	643.0300 Traffic Control Drums	15,776.000 DAY	.		.	
1020	643.0420 Traffic Control Barricades Type III	3,264.000 DAY	.		.	
1030	643.0705 Traffic Control Warning Lights Type A	10,880.000 DAY	.		.	
1040	643.0800 Traffic Control Arrow Boards	544.000 DAY	.		.	

## SCHEDULE OF ITEMS

REVISED:

CONTRACT:  
20150310011PROJECT(S):  
5990-01-20  
5990-01-21FEDERAL ID(S):  
WISC 2015121  
N/A

CONTRACTOR : \_\_\_\_\_

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1050	643.0900 Traffic Control Signs	7,269.000 DAY	.		.	
1060	643.1000 Traffic Control Signs Fixed Message	105.000 SF	.		.	
1070	643.1050 Traffic Control Signs PCMS	544.000 DAY	.		.	
1080	643.2000 Traffic Control Detour (project) 01. 5990-01-20	1.000 EACH	.		.	
1090	643.3000 Traffic Control Detour Signs	8,108.000 DAY	.		.	
1100	646.0106 Pavement Marking Epoxy 4-Inch	3,785.000 LF	.		.	
1110	646.0126 Pavement Marking Epoxy 8-Inch	370.000 LF	.		.	
1120	647.0156 Pavement Marking Arrows Epoxy Type 1	4.000 EACH	.		.	
1130	647.0166 Pavement Marking Arrows Epoxy Type 2	4.000 EACH	.		.	
1140	647.0356 Pavement Marking Words Epoxy	8.000 EACH	.		.	