



Wisconsin Department of Transportation

February 3, 2016

Division of Transportation Systems Development

Bureau of Project Development
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NOTICE TO ALL CONTRACTORS:

Proposal #08: 5121-09-63
La Crosse - Cashton
Shady Pines Road to CTH OA
STH 33
La Crosse County

5820-01-73
STH 33 – Dutch Creek Bridge
STH 33 NLY .57 MI to Dutch
Creek Bridge
STH 162
La Crosse County

5121-09-73
La Crosse - Cashton
Kirschner Rd to Monroe Co Line
STH 33
La Crosse County

Letting of February 9, 2016

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

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
28	Rectangular Rapid Flashing Beacon System, Item SPV.0105.02

Added Special Provisions	
Article No.	Description
34	Clearing

Schedule of Items

Revised Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
312.0110	Select Crushed Material	Ton	133,362	19,924	153,286

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
100	Misc. Quantity sheet, changed to reflect revised item quantity.

Other

ASP-5: Replace ASP-5 with the attached revised ASP-5 effective with the February 9, 2016 letting.

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
5121-09-63/73, 5820-01-73
February 3, 2016

Special Provisions

3. Prosecution and Progress

*Replace entire section titled **Construction Staging** with the following:*

Construction Staging

The contractor shall stage traffic to minimize the overall inconvenience to traffic and reduce environmental concerns due to dust and erosion. The contractor shall complete one stage of construction, as described below, before beginning operations on the next stage, except for Stage 5 as follows: Stage 5 may be completed with any other single stage. The contractor shall provide access to all properties along the project and to all side roads, unless otherwise noted in the Traffic article of the special provisions.

If hauling between two stages, only on-road trucks shall be used.

28. Rectangular Rapid Flashing Beacon System, Item SPV.0105.02

Replace the entire article language with the following:

A Description

This work shall consist of furnishing and installing a solar powered rectangular rapid flashing beacon (RRFB) 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.

Furnish proposed system to project engineer for review.

B Materials

Furnish a complete RRFB 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.). An assembly may include the following items:

Rectangular Rapid Flashing Beacon:

Each RRFB assembly shall satisfy the FHWA Interim Approval for Optional Use of Rectangular Rapid Flashing Beacons (1a-11), dated July 16, 2008, and all subsequent FHWA Official Interpretation Letters and the Manual of Uniform Traffic Control Devices (MUTCD), including the unit size, mounting location, flash rate, and operational parameters unless modified herein by this special provision. The RRFB assembly shall be programmable to allow the Owning Authority to set the duration of the flashing beacon display based on the crossing time requirements established in the MUTCD.

Signs:

Signage shall include:
R-10-25

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

Solar Power Supply:

The solar power supply shall be fully weather, corrosion and vandal resistant. It shall be power autonomous without need of an external power supply. The batteries shall be sealed, maintenance free, and field-replaceable independently of other components. The battery shall have a minimum rated life span of three years. The power supply system shall have the capacity to operate the RRFB for 30 days at a normal use of 100 activations of 30 seconds each per day without solar charging. The manufacturer shall provide documentation for each installation consisting of solar power calculations to verify load, duty cycle and battery capacity based on location.

The solar panel shall be installed at the highest point on the assembly structure, or as directed by the Engineer, away from the travelled way. The solar panel shall be installed at an angle specified by the manufacturer facing due south with full unobstructed solar exposure for optimum performance of the system, or as recommended by the manufacturer and directed by the Engineer.

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 1 of Section 654 of the current Wisconsin Department of Transportation Standard Specifications.

Hardware:

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

C Construction

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

D Measurement

The department will measure Rectangular Rapid 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 item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0105.02	Rectangular Rapid Flashing Beacon System	LS

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

34. Clearing

Clearing will be completed by others prior to construction. The quantity remaining in the plan is for miscellaneous locations that may need trees cleared during construction.

Schedule of Items

Attached, dated February 3, 2016, are the revised Schedule of Items Page 4.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 100

ADDITIONAL SPECIAL PROVISIONS 5**Fuel Cost Adjustment****A Description**

Fuel Cost Adjustments will be applied to partial and final payments for work items categorized in Section B as a payment to the contractor or a credit to the department. ASP-5 shall not apply to any force account work.

B Categories of Work Items

The following items and Fuel Usage Factors shall be used to determine Fuel Cost Adjustments:

(1) Earthwork.		Unit	Gal. Fuel Per Unit
205.0100	Excavation Common	CY	0.23
205.0200	Excavation Rock	CY	0.39
205.0400	Excavation Marsh	CY	0.29
208.0100	Borrow	CY	0.23
208.1100	Select Borrow	CY	0.23
209.0100	Backfill Granular	CY	0.23
350.0102	Subbase	CY	0.28
350.0104	Subbase	Ton	0.14
350.0115	Subbase 6-Inch	SY	0.05
350.0120	Subbase 7-Inch	SY	0.05
350.0125	Subbase 8-Inch	SY	0.06
350.0130	Subbase 9-Inch	SY	0.07
350.0135	Subbase 10-Inch	SY	0.08
350.0140	Subbase 11-Inch	SY	0.09
350.0145	Subbase 12-Inch	SY	0.09

C Fuel Index

A Current Fuel Index (CFI) in dollars per gallon will be established by the Department of Transportation for each month. The CFI will be the price of No. 2 fuel oil, as reported in U.S. Oil Week, using the first issue dated that month. The CFI will be the average of prices quoted for Green Bay, Madison, Milwaukee and Minneapolis.

The base Fuel Index (BFI) for this contract is \$1.10 per gallon.

D Computing the Fuel Cost Adjustment

The engineer will compute the ratio CFI/BFI each month. If the ratio falls between 0.85 and 1.15, inclusive, no fuel adjustment will be made for that month. If the ratio is less than 0.85 a credit to the department will be computed. If the ratio is greater than 1.15 additional payment to the contractor will be computed. Credit or additional payment will be computed as follows:

- (1) The engineer will estimate the quantity of work done in that month under each of the contract items categorized in Section B.
- (2) The engineer will compute the gallons of fuel used in that month for each of the contract items categorized in Section B by applying the unit fuel usage factors shown in Section B.
- (3) The engineer will summarize the total gallons (Q) of fuel used in that month for the items categorized in Section B.
- (4) The engineer will determine the Fuel Cost Adjustment credit or payment from the following formula:

$$FA = \left(\frac{CFI}{BFI} - 1 \right) \times Q \times BFI$$

(plus is payment to contractor; minus is credit to the department)

Where	FA	=	Fuel Cost Adjustment (plus or minus)
	CFI	=	Current Fuel Index
	BFI	=	Base Fuel Index
	Q	=	Monthly total gallons of fuel

E Payment

A Fuel Cost Adjustment credit to the department will be deducted as a dollar amount each month from any sums due to the contractor. A Fuel Cost Adjustment payment to the contractor will be made as a dollar amount each month.

Upon completion of the work under the contract, any difference between the estimated quantities and the final quantities will be determined. An average CFI, calculated by averaging the CFI for all months that fuel cost adjustment was applied, will be applied to the quantity differences. The average CFI shall be applied in accordance with the procedure set forth in Section D.

End of Addendum

BASE AGGREGATE

CATEGORY	STATION TO	STATION	LOCATION	305.0110		305.0120		312.0110		623.0200		624.0100	
				BASE AGGREGATE DENSE 3/4-1 INCH	TON	BASE AGGREGATE DENSE 1 1/4-1 INCH	TON	SELECT CRUSHED MATERIAL	TON	DUST CONTROL SURFACE TREATMENT	SY*	WATER	MGAL
0010	677+00 - 710+00		MAINLINE	312	8762	8414	31544	141					
	710+00 - 735+00		MAINLINE	256	7213	7020	25967	116					
	735+00 - 778+00		MAINLINE	413	13050	12986	46980	209					
	778+00 - 850+00		MAINLINE	599	19322	18664	69560	310					
	850+00 - 892+00		MAINLINE	349	11288	10874	40637	181					
	892+00 - 922+00		MAINLINE	270	8339	8175	30021	134					
	922+00 - 957+00		MAINLINE	0	9336	11138	33610	150					
	957+00 - 1037+20		MAINLINE	613	21498	21000	77393	344					
	685+60' K' - 688+39' K'		KIRSCHNER RD	21	322	378	1449	6					
	715+44' B' - 717+65' B'		BIWA RD	19	228	272	1026	4					
	745+65' L' - 750+00' L'		CTH I	49	601	723	2705	10					
	756+70' HK' - 760+33' HK'		HASS RD	23	356	410	1602	6					
	760+33' HK' - 763+89' HK'		KNEIFL RD	25	369	419	369	6					
	55+48' R' - 65+94' R'		RITTER LANE	35	1084	1084	13008	18					
	756+75' 162' - 774+09' 162'		STH 162 (SOUTH)	134	4445	4301	16002	72					
	1+47' E' - 6+53' E'		ERICKSON LANE	34	900		4050	15					
	799+75' H' - 803+13' H'		CTH H	32	488	645	2196	8					
	872+10' HD' - 878+00' HD'		HUNDT RD	49	209	419	2508	4					
	869+00' KCL' - 872+82' KCL'		KORN CLEMENTS RD	43	657	839	2957	11					
	916+62' A' - 924+78' A'		ANTONY RD	75	970	1199	4365	16					
	932+04' G' - 934+02' G'		CTH G	14	181	218	815	3					
	952+16' JB' - 954+59' JB'		CTH JB	3	251	351	1130	5					
	1004+25' KCO' - 1008+04' KCO'		KORN COULEE RD	43	476	562	2142	8					
			PE & FE		3340			54					
			EBS(UNDI STRIB)			43365							
			DUST CTRL(UNDI STRIB)			153286	413328	510					
			TOTAL PROJECT 5121-09-73	3411	113685			2341					
			PE & FE					5					
			DUST CTRL(UNDI STRIB)					25					
			TOTAL PROJECT 5820-01-73	387	10542		40956	197					
			TOTAL 0010	3798	124227	153286	454284	2538					

43365

153286

*INCLUDES QUANTITY FOR 2 TREATMENTS

Addendum No. 02
ID 5121-09-63
ID 5121-09-73
ID 5820-01-73
Revised Sheet 100
February 3, 2016

OMP BASE AGGREGATE DENSE 1 1/4-1 INCH COMPACTION

CATEGORY	STATION TO	STATION	LOCATION	371.1000 S	
				TON	TON
0010	677+00 - 1037+20		MAINLINE	98808	98808
	TOTAL PROJECT 5121-09-73			98808	98808
			MAINLINE	10239	10239
	935+46' 162' - 978+71' 162'		MAINLINE	10239	10239
	TOTAL PROJECT 5820-01-73			10239	10239
			TOTAL 0010	109047	109047

CONCRETE DRIVEWAY 6-INCH

CATEGORY	STATION	LOCATION	SY
0010	935+20	PE LT	21
	937+00	PE RT	49
	TOTAL PROJECT 5121-09-73		70

CATEGORY	STATION	LOCATION	SY
0010	977+25' 162'	PE RT	55
	TOTAL PROJECT 5820-01-73		55

CONCRETE SURFACE DRAINS

CATEGORY	STATION	LOCATION	CY
0010	946+08' 162'	LT	7
	947+64' 162'	LT	7
	949+20' 162'	LT	7
	950+76' 162'	LT	7
	952+32' 162'	LT	7
	954+00' 162'	LT	14
	955+96' 162'	RT	7
	957+92' 162'	RT	5
	961+91' 162'	RT	6
	963+71' 162'	RT	8
	965+54' 162'	RT	9
	966+78' 162'	RT	8
	TOTAL PROJECT 5820-01-73		92

CONCRETE PAVEMENT APPROACH SLAB

CATEGORY	STATION TO	STATION	LOCATION	SY
0010	965+89' 3' 162'	- 966+05' 9' 162'		106
	966+77' 2' 162'	- 966+92' 9' 162'		99
	TOTAL PROJECT 5820-01-73			205

SCHEDULE OF ITEMS

REVISED:

CONTRACT:	PROJECT(S):	FEDERAL ID(S):
20160209008	5121-09-63	N/A
	5121-09-73	N/A
	5820-01-73	N/A

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0300	214.0100 Obliterating Old Road	11.000 STA	.	.	.	.
0310	305.0110 Base Aggregate Dense 3/4-Inch	3,798.000 TON	.	.	.	.
0320	305.0120 Base Aggregate Dense 1 1/4-Inch	124,227.000 TON	.	.	.	.
0330	312.0110 Select Crushed Material	153,286.000 TON	.	.	.	.
0340	371.1000.S QMP Base Aggregate Dense 1 1/4-Inch Compaction	109,047.000 TON	.	.	.	.
0350	415.0410 Concrete Pavement Approach Slab	205.000 SY	.	.	.	.
0360	416.0160 Concrete Driveway 6-Inch	125.000 SY	.	.	.	.
0370	416.1010 Concrete Surface Drains	92.000 CY	.	.	.	.
0380	440.4410 Incentive IRI Ride	33,380.000 DOL	1.00000	.	33380.00	.
0390	455.0105 Asphaltic Material PG58-28	2,345.000 TON	.	.	.	.
0400	455.0605 Tack Coat	9,737.000 GAL	.	.	.	.