

# **Wisconsin Department of Transportation**

June 06, 2016

# **Division of Transportation Systems Development**

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

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## **NOTICE TO ALL CONTRACTORS:**

Proposal #09: 2265-00-74, WISC 2016 222

North 27th Street

W. Highland Blvd. to W. Lisbon Ave.

**Local Street** 

**Milwaukee County** 

## Letting of June 14, 2016

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

### **Special Provisions**

	Revised Special Provisions				
Article	Description				
No.	Description				
10	Utilities				
23	Excavating, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S				
70	Excavation, Hauling, and Disposal of Metals and VOC Contaminated Soil, Item SPV.0195.01				

	Added Special Provisions					
Article No.	Description					
71	HMA Pavement 4 MT 58-28 S 3.0% Va Regression Special, Item SPV.0195.02					

	Deleted Special Provisions				
Article No.	Description				
26	HMA Pavement 4 MT 58-28 S, Item 460.6224				

### Schedule of Items

Revised Bid Item Quantities						
Bid Item	Item Description	Unit	Old	Revised	Proposal	
Did item	item Description	Offic	Quantity	Quantity	Total	
205.0501.S	Excavation, Hauling, and Disposal of	Ton	50	-45	5	
203.0301.3	Petroleum Contaminated Soil	1011	30	-45	3	
SPV.0195.01	Excavation, Hauling, and Disposal of Metals	Ton	88	23	111	
3F V.0193.01	and VOC Contaminated Soil	1011	00	23	111	

Added Bid Item Quantities						
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total	
SPV.0195.02	HMA Pavement 4MT 58-28 S 3.0% Va Regression Special	Ton	0	5,800	5,800	

Deleted Bid Item Quantities						
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total	
460.6224	HMA Pavement 4 MT 58-28 S	Ton	5800	-5,800	0	

### **Plan Sheets**

	Revised Plan Sheets				
Plan	Plan Sheet Title (brief description of changes to sheet)				
Sheet	r lan officer title (blief description of changes to sheet)				
51-52	Revised storm sewer sheets to not show discontinued AT&T conduit conflicting with proposed catch basins				
58	Revised Removals and Utility Plan to not show discontinued AT&T conduit conflicting with proposed catch basins				
116	Revised HMA Pavement bid item name on Misc. Quantity sheet				
121	Revised Excavation of Hazardous Materials quantities				

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 2265-00-74 June 06, 2016

#### **Special Provisions**

#### 10. Utilities

Replace paragraphs four and five under section titled AT&T Wisconsin with the following:

AT&T has conduit that crosses the new storm sewer at two locations where the depth of the conduit is unknown. AT&T will test hole these locations to determine if a conflict exists. If it is determined that the AT&T conduit is in conflict with the new storm sewer, it will be adjusted prior to construction. These two locations are as follows:

Station 28+20, 38' LT Station 46+24, 42' LT

## 23. Excavating, Hauling, and Disposal of Petroleum Contaminated Soil, Item 205.0501.S.

Replace paragraph two under section titled A.2 Notice to the Contractor – Contaminated Soil with the following:

North 27th Street from Station 34+00 to 35+50, from the reference line to project limits right, from 7 feet below ground surfaces to at least 10 feet below ground surface. Soil contains PVOCs and must be managed. Approximately 3 cubic yards (approximately 5 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.

Replace Number four under role of the environmental consultant under section titled **A.3 Coordination** with the following:

- 4. Obtaining the necessary approvals for disposal of contaminated soil from the landfill facility.
- 26. DELETED.
- 70. Excavating, Hauling, and Disposal of Metals and VOC Contaminated Soil, Item SPV.0195.01.

Replace entire section titled A.2 Notice to the Contractor – Contaminated Soil Location(s) with the following:

# A.2 Notice to the Contractor – Contaminated Soil Location(s)

The department and others completed testing for soil contamination for locations within this project where excavation is required. Testing indicated that soil contaminated with metals and chlorinated VOCs are present at the following location where excavation is required, as shown on the plans where excavation is required:

North 27th Street from Station 29+00 to 31+00, from the reference line to project limits right, from 0 feet below the ground surface to 10 feet below the ground surface. Soil contains lead, tetrachloroethene (PCE) and pieces of slag and must be managed. Approximately 22 cubic yards (approximately 38 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.

- North 27th Street from Station 34+00 to 35+50, from the reference line to project limits left, from 0 feet below the ground surface to 6 feet below the ground surface. Soil contains lead and must be managed. Approximately 12 cubic yards (approximately 20 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.
- North 27th Street from Station 37+00 to 38+50, from the reference line to project limits left, from 0 feet below the ground surface to 6 feet below the ground surface. Soil contains lead and must be managed. Approximately 6 cubic yards (approximately 10 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.
- North 27th Street from Station 44+50 to 48+70, from the reference line to project limits left, from 0 feet below the ground surface to 3 feet below the ground surface. Soil contains pieces of slag and must be managed. Approximately 25 cubic yards (approximately 43 tons at an estimated 1.7 tons per cubic yard) of soil will be excavated from this location.

Directly load soil excavated by the project at the above location into trucks that will transport the soil to a WDNR-licensed landfill facility for disposal.

If contaminated soils are encountered elsewhere on the project, terminate excavation activities in the area and notify the engineer.

The excavation management plan for this project has been designed to minimize the offsite treatment or disposal of contaminated material. The excavation management plan, including these special provisions, has been developed in cooperation with the WDNR. The WDNR concurrence letter is on file at the Wisconsin Department of Transportation. For further information regarding previous investigation and remediation activities near this project contact:

Name: Mr. Todd Becker (DAAR Engineering, Inc.)

Address: 325 E. Chicago Street, Suite 500, Milwaukee, WI 53202

Phone: (414) 935-4359 Fax: (414) 225-9826

E-mail: todd.becker@daarcorp.com

#### 71. HMA Pavement 4 MT 58-28 S 3.0% Va Regression Special, Item SPV.0195.02.

#### A Description

This special provision describes providing HMA pavement including the binder under a combined bid item along with air void regression as described here within.

Define gradations, traffic levels, and asphaltic binder designation levels as follows:

<u>GRADATIONS</u>		<u>TRAFFIC</u>	TRAFFIC VOLUME		NATION LEVEL
	(NMAS)				
1	37.5 mm	LT	Low	S	Standard
2	25.0 mm	MT	Medium	Н	Heavy
3	19.0 mm	HT	High	V	Very Heavy
4	12.5 mm			Е	Extremely Heavy
5	9.5 mm				·
6	4.75 mm				

Construct HMA pavement of the type the bid item indicates encoded as follows:

Gradation Traffic Binder Designation

Conform to standard spec 460 as modified in this special provision.

#### **B** Materials

Add the following to standard spec 460.2:

Design mixtures conforming to tables 460-1 and 460-2 to 4.0% air voids to establish the aggregate structure.

Determine the target JMF Asphalt Binder content for production from the mix design data corresponding to 3.0% air voids (97% Gmm) target at Ndes. The air voids at the design number of gyrations, (Ndes) shall be achieved by the addition of liquid asphalt meeting the contract specifications.

Production shall conform to VMA and Dust to Binder Ratio requirements of table 460-1 and 460-2.

Replace standard spec table 460-1 with the following to change the footnotes to refer to LT and MT mixes instead of E-0.3 and E-3 mixes:

TABLE 460-1 AGGREGATE GRADATION MASTER RANGE AND VMA REQUIREMENTS

SIEVE	PERCENTS PASSING DESIGNATED SIEVES								
SIEVE		NOMINAL SIZE							
	37.5 mm	25.0 mm	19.0 mm	12.5 mm	9.5 mm	SMA 12.5	SMA 9.5 mm		
	(#1)	(#2)	(#3)	(#4)	(#5)	mm (#4)	(#5)		
50.0-mm	100								
37.5-mm	90 –100	100							
25.0-mm	90 max	90 -100	100						
19.0-mm		90 max	90 -100	100		100			
12.5-mm			90 max	90 -100	100	90 - 97	100		
9.5-mm				90 max	90 -100	58 - 72	90 - 100		
4.75-mm					90 max	25 - 35	35 - 45		
2.36-mm	15 – 41	19 - 45	23 - 49	28 - 58	20 - 65	15 - 25	18 - 28		
75-µm	0 – 6.0	1.0 - 7.0	2.0 - 8.0	2.0 - 10.0	2.0 - 10.0	8.0 - 12.0	10.0 - 14.0		
% MINIMUM VMA	11.0	12.0	13.0	14.0 <sup>[1]</sup>	15.0 <sup>[2]</sup>	16.0	17.0		

<sup>[1] 14.5</sup> for LT and MT mixes

Replace standard spec table 460-2 with the following to switch from E mixes to LT, MT, and HT mixes; and change the tensile strength ratio requirements to 0.75 without antistripping additive and 0.80 with antistripping additive:

**TABLE 460-2 MIXTURE REQUIREMENTS** 

Mixture type	LT	MT	HT	SMA
ESALs x 106 (20 yr design life)	<2.0	2 - <8	>8	> 5 mil
LA Wear (AASHTO T96)				
100 revolutions(max % loss)	13	13	13	13
500 revolutions(max % loss)	50	45	45	40
Soundness (AASHTO T104) (sodium sulfate, max % loss)	12	12	12	12
Freeze/Thaw (AASHTO T103)	18	18	18	18

<sup>[2] 15.5</sup> for LT and MT mixes

(specified counties, max % loss)				
Fractured Faces (ASTM 5821) (one face/2 face, % by count)	65/	75 / 60	98 / 90	100/90
Flat & Elongated (ASTM D4791) (max %, by weight)	5 (5:1 ratio)	5 (5:1 ratio)	5 (5:1 ratio)	20 (3:1 ratio)
Fine Aggregate Angularity (AASHTO T304, method A, min)	40	43	45	45
Sand Equivalency (AASHTO T176, min)	40	40	45	50
Gyratory Compaction				
Gyrations for Nini	6	7	8	8
Gyrations for Ndes	40	75	100	65
Gyrations for Nmax	60	115	160	160
Air Voids, %Va (%Gmm Ndes)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)	4.0 (96.0)
% Gmm Nini	<= 91.5 <sup>[1]</sup>	<= 89.0 <sup>[1]</sup>	<= 89.0	
% Gmm Nmax	<= 98.0	<= 98.0	<= 98.0	
Dust to Binder Ratio <sup>[2]</sup> (% passing 0.075/Pbe)	0.6 - 1.2	0.6 - 1.2	0.6 - 1.2	1.2 - 2.0
Voids filled with Binder (VFB or VFA, %)	68 - 80 <sup>[4] [5]</sup>	65 – 75 <sup>[3] [4]</sup>	65 - 75 <sup>[3] [4]</sup>	70 - 80
Tensile Strength Ratio (TSR) (ASTM 4867)				
no antistripping additive	0.75	0.75	0.75	0.75
with antistripping additive	0.80	0.80	0.80	0.80
Draindown at Production Temperature (%)				0.30

<sup>[1]</sup> The percent maximum density at initial compaction is only a guideline.

Replace standard spec 460.2.8.2.1.7 paragraph six with the following to base payment adjustment on the combined bid item unit price:

(6) The department will reduce payment for nonconforming QMP HMA mixtures, starting from the stop point to the point when the running average is back inside the warning limits, as follows:

## PAYMENT FOR MIXTURE<sup>[1]</sup> [2]

	PRODUCED WITHIN	PRODUCED OUTSIDE
ITEM	WARNING BANDS	JMF LIMITS
Gradation	90%	75%
Asphalt Content	85%	75%
Air Voids	70%	50%
VMA	90%	75%

For a gradation that passes below the boundaries of the caution zone (ref. AASHTO MP3), the dust to binder ratio limits are 0.6 - 1.6.

For #5 (9.5mm) and #4 (12.5 mm) nominal maximum size mixtures, the specified VFB range is 70 - 76%.

<sup>[4]</sup> For #2 (25.0mm) nominal maximum size mixes, the specified VFB lower limit is 67%.

<sup>&</sup>lt;sup>[5]</sup> For #1 (37.5mm) nominal maximum size mixes, the specified VFB lower limit is 67%.

- [1] For projects or plants where the total production of each mixture design requires less than 4 tests refer to CMM 8-36.
- Payment is in percent of the contract unit price for the HMA Pavement bid item. The department will reduce pay based on the nonconforming property with lowest percent pay. The department will administer pay reduction under the Nonconforming QMP HMA Mixture administrative item.

Replace standard spec 465.2 with the following:

- (1) Under the Asphaltic Surface, Asphaltic Surface Detours, and Asphaltic Surface Patching bid items; submit a mix design. Furnish asphaltic mixture meeting the requirements specified for either type LT or MT mix under 460.2; except the engineer will not require the contractor to conform to the quality management program specified under 460.2.8.
- (2) Under the other 465 bid items, the contractor need not submit a mix design. Furnish aggregates mixed with a type AC asphaltic material. Use coarse and fine mineral aggregates uniformly coated and mixed with the asphaltic material in an engineer-approved mixing plant. The contractor may include reclaimed asphaltic pavement materials in the mixture.

#### **C** Construction

Replace standard spec table 460-3 with the following to switch from E mixes to LT, MT, and HT mixes and to increase field density requirements by 1.5% when operating under this HMA Pavement 3.0% Va Regression SPV:

TABLE 460-3 MINIMUM REQUIRED DENSITY[1]

	DEL 700 0 WIII	MINOW ILEGOIN	LD DENOIT I	
		PERCENT OF	TARGET MAXI	MUM DENSITY
LOCATION	LAYER		MIXTURE TYPE	
		LT AND MT	HT	SMA <sup>[5]</sup>
TRAFFIC LANES[2]	LOWER	93.0 <sup>[3]</sup>	93.0 <sup>[4]</sup>	
TRAFFIC LANES	UPPER	93.0	93.0	
SIDE ROADS,	LOWER	93.0 <sup>[3]</sup>	93.0 <sup>[4]</sup>	
CROSSOVERS, TURN LANES, & RAMPS	UPPER	93.0	93.0	
SHOULDERS &	LOWER	91.0	91.0	
APPURTENANCES	UPPER	92.0	92.0	

The table values are for average lot density. If any individual density test result falls more than 3.0 percent below the minimum required target maximum density, the engineer may investigate the acceptability of that material.

Delete standard spec 460.2.8.2.1.5(1) and replace with the following:

(1) Conform to the following control limits for the JMF and warning limits based on a running average of the last 4 data points:

ITEM JMF LIMITS WARNING LIMITS

<sup>[2]</sup> Includes parking lanes as determined by the engineer.

Minimum reduced by 2.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

Minimum reduced by 1.0 percent for a lower layer constructed directly on crushed aggregate or recycled base courses.

<sup>[5]</sup> The minimum required densities for SMA mixtures are determined according to CMM 8-15.

Percent passing given sieve:

37.5-mm	+/- 6.0	+/- 4.5
25.0-mm	+/- 6.0	+/- 4.5
19.0-mm	+/- 5.5	+/- 4.0
12.5-mm	+/- 5.5	+/- 4.0
9.5-mm	+/- 5.5	+/- 4.0
2.36-mm	+/- 5.0	+/- 4.0
75-µm	+/- 2.0	+/- 1.5
Asphaltic content in percent	- 0.3	- 0.2
Air voids in percent	+ 1.3/-1.0	+ 1.0/-0.7
VMA in percent <sup>[1]</sup>	- 0.5	- 0.2

<sup>[1]</sup> VMA limits based on minimum requirement for mix design nominal maximum aggregate size in table 460-1.

Delete standard spec 460.2.8.3.1.6(1) and replace with the following:

- (1) The engineer will provide test results to the contractor within 2 mixture-production days after obtaining the sample. The quality of the product is acceptably verified if it meets the following limits:
  - Va is within a range of 2.0 to 4.3 percent.
  - VMA is within minus 0.5 of the minimum requirement for the mix design nominal maximum aggregate size.

#### **D** Measurement

The department will measure HMA Pavement (type) 3.0% Va Regression Special conforming to standard spec 460.4.

#### **E** Payment

Add the following to standard spec 460.5 to switch from E mixes to LT, MT, and HT mixes; to combine the pavement and binder bid items; and to specify a pay reduction for pavement placed with nonconforming binder:

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

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0195.02	HMA Pavement 4 MT 58-28 S 3.0% Va Regression Special	TON

Payment is full compensation for providing HMA Pavement including asphaltic binder.

In addition to any pay adjustment under standard spec 460.2.8.2.1.7(6), the department will adjust pay for nonconforming binder under the Nonconforming QMP Asphaltic Material administrative item. The department will deduct 25 percent of the contract unit price of the HMA Pavement bid item per ton of pavement placed with nonconforming PG binder the engineer allows to remain in place.

Delete standard spec 460.5.2.3(1) and replace with the following:

(1)If the lot density is greater than the minimum specified in <u>table 460-3</u> and all individual air voids test results for that mixture placed during the same day are within 2.5 - 4.0 percent, the department will adjust pay for that lot as follows:

## INCENTIVE PAY ADJUSTMENT FOR HMA PAVEMENT DENSITY

PERCENT LOT DENSITY ABOVE SPECIFIED MINIMUMPAY ADJUSTMENT PER TON[1]

From -0.4 to 1.0 inclusive \$0

From 1.1 to 1.8 inclusive \$0.40

More than 1.8 \$0.80

The department will prorate the pay adjustment for a partial lot.

### APPENDIX A: Test Procedures for HMA Pavement 3% Va Regression SPV

Delete CMM 8-15.10.1 Target maximum Density and replace with the following:

For pavement density determination, the target value in lb/ft³ (PCF) is established using the mixture maximum specific gravity ( $G_{mm}$ ). For the first day of a paving mixture design, the target maximum density will be the  $G_{mm}$  value corresponding to 3.0% air voids on the mix design multiplied by 62.24 lb/ft³ (PCF). The target maximum density for all other days will be the four  $G_{mm}$  test running average value from the end of the previous days' production multiplied by 62.24 lb/ft³ (PCF). If four tests have not been completed by the end of the first day, the average of the completed  $G_{mm}$  test values multiplied by 62.24 lb/ft³ (PCF) will be used until a running average of 4 is established.

The following data must be recorded for each test on the worksheet for MRS entry

- Density standard and moisture standard
- Density count, moisture counts or contact and air gap counts
- Total wet density or bulk density
- % Compaction
- Manufacturer name and serial number
- Operators name
- Mix design number (WisDOT 250 ID) and daily Target max density target number (G<sub>mm</sub> x 62.24 lb/ft³)

Delete CMM 8-15.15.2.1 Examples of Computing Incentive/Disincentive for Density and replace with the following:

#### Example 1 (nominal tonnage lots):

HMA Pavement, Type 4 HT 58-34 S Lot 2R Total HMA Tonnage for Project: 20,000 Tons % Density of Target Maximum (G<sub>mm</sub>) = 90.4% Required % Density of the G<sub>mm</sub> = 93.0% Lot Tonnage = 750 Contract Price per Ton = \$26.50 From Table 460-3 of this SPV.0195 and 460.5.2.2:

- Amount below Specified Minimum (Table 460-3 of this SPV) = 93.0 90.4 = 2.6
- Payment Factor (SS 460.5.2.2) = 70% (30% Credit to the Department)
- Credit to the Department (HMA Mix) = 30% x \$26.50/Ton x 750 Tons = \$5,962.50

If this were the only failing lot on the project, the final quantities on the estimate would be as shown in Table 3.

#### Example 2 (nominal tonnage lots):

```
HMA Pavement, Type 4 HT 58-34 S Lot 3R % Density of Target Maximum (G_{mm}) = 94.6% Required % Density of the G_{mm} = 93.0% Lot Tonnage = 750 Air Voids for day = 2.9-3.2%
```

Payment Factor = 94.6 - 93.0 (Table 460-3)= 1.6Adjusted Unit Price = \$0.40/Ton x 750 Tons (SS 460.5.2.3(1) of this SPV)= \$300

If this is the only lot with a higher density than required on the project, the final quantities on the estimate would be as shown in Table 3 below:

Table 3 Estimate for Pay Adjustment for Incentive/Disincentive Density

Bid Item	Description	Unit	Cost/Unit	Total Quantity	Total
460.7244	HMA Type 4 HT 58-34 S	TON	\$26.50	20,000	\$530,000.00
460.2000	Incentive Density HMA Pavement	DOL	\$1.00	300.00	\$300.00
804.2005	Disincentive Density HMA Pavement	DOL	\$1.00	-(5,962.5)	-(\$5,962.50)

#### Project Information for Examples 3 and 4 (daily tonnage lots & linear sublots):

A project begins at station 56+78 and ends at station 234+25. It is a 2-lane roadway with a shoulder on each side. The traffic lanes are 12 feet wide and the shoulders are 3 feet wide. Shown in the figure below is the eastbound traffic lane and shoulder for the length of the project. The contractor will be paving the shoulder integrally with the traffic lane. The pavement is a 2-inch overlay and the same HMA mix type is used on the entire project. The HMA mixture includes 5.5% asphaltic material. The bid price for the HMA pavement item is \$41.75 per ton. The specified target density for the traffic lane is 93.0%. The target density for the shoulder is 92.0%.

#### Day 1:

The contractor begins paving at station 56+78 and ends the day at station 102+97, a total length of 4,619 feet. A quantity of 677 tons was placed on the eastbound traffic lane, and 169 tons was placed on the integral shoulder.

### Day 2:

The contractor begins paving at station 102+97. Due to traffic staging requirements, the contractor stops paving at station 159+93, 5,696 feet, and begins paving again at station 202+36. They end the day at the end of the project, station 234+25, 3,189 additional feet. A quantity of 1303 tons was paved on the eastbound traffic lane, and 326 tons was placed on the integral shoulder.

#### Day 3:

The contractor begins paving at station 159+93 and ends the day at station 202+36, 4,243 feet. A total of 622 tons was placed on the eastbound traffic lane, and 156 tons was placed on the integral shoulder.

159+93 56+78 102+97 202+36 В С D Е F G Н Κ 10 13 16 19 22 25 28 **11** 14 **17** 20 23 26 29 32 Ν 0 Ρ Q R S Т U ٧ W Χ М

Figure 6 Linear Sublot Example Project

## Example 3 (daily tonnage lot & linear sublots):

Use the example project information and the following test results from day 1. All of the day's air voids tests were acceptable. (Density Calculated off the PCF value, sublot is the average of the density %)

Sublot ID	Test ID	% Density	Sublot Avg % Density		
Α	1	93.8			
56+78	2	94.2	94.1		
to 71+78	3	94.4			
В	4	94.1			
71+78	5	94.7	94.5		
to 86+78	6	94.6			
С	7	93.6			
86+78	8	94.5	94.1		
to 101+78	9	94.3			
М	37	93.2	93.2		
N	38	94.2	94.2		
0	39	93.0	93.0		

1. Compute the average density for each traffic lane sublot and each shoulder sublot.

SOLUTION: See the results in the table above.

2. Compute the density incentive or disincentive for the day's paving.

## SOLUTION:

- Traffic Lane:

The specified target density for the traffic lane is 93.0%. All of the sublot averages were no more than one percent below the target density, so all of the day's traffic lane test results are used to compute the daily lot density and the lot incentive pay.

- Lot density = (93.8 + 94.2 + 94.4 + 94.1 + 94.7 + 94.6 + 93.6 + 94.5 + 94.3) / 9 tests = 94.2% According to 460.5.2.3(1) of this SPV, this lot density is eligible for incentive pay of \$0.40 per ton. 677 tons of HMA was placed on the traffic lane on day 1, therefore the contractor receives \$270.80 density incentive for the day 1 traffic lane lot. This is for all of sublot A, B & C and the 119' in sublot D that did not reach the random number.

#### - Shoulder:

The minimum required density is 92.0%. All of the sublot averages were acceptable, so all of the day's shoulder tests are used to compute the shoulder lot density. The average of all the shoulder tests is 93.5%. According to the specification, this lot density is eligible for incentive pay of \$0.40 per ton. 169 tons of HMA was placed on the shoulder on day 1, therefore the contractor receives \$67.60 density incentive for the day 1 shoulder lot.

### Example 4 (daily tonnage lot & linear sublots):

Use the example project information and the following test results from day 3. All of the day's air voids tests were acceptable.

Sublot ID	Test ID	% Density	Sublot Avg % Density		
Н	22	91.8			
161+78 to	23	91.9	91.8		
176+78	24	91.7			
I	25	95.1			
176+78	26	94.8	94.9		
to 191+78	27	94.9			
J	28	92.0			
191+78	29	91.8	91.9		
to 202+36	30	91.9			
Т	44	91.9	91.9		
U	45	94.4	94.4		
V	46	92.1	92.1		

Compute the density incentive or disincentive for the day's paving.

#### SOLUTION:

### 1. Traffic Lane:

According to the specification, a minimum density of 93.0% is required for the traffic lane. When verifying whether or not the sublot densities meet the requirements, it is found that sublot H and

sublot J have average densities that are more than one percent below the required minimum. According to the specification, the quantity of HMA pavement placed this day in each of these sublots is subject to disincentive, and the day's test results within these sublots are not included when computing the incentive for the remainder of the lot.

#### 2. Sublot H:

Day 3 began inside the limits of sublot G, at station 159+93, but beyond its random test location. The tests for sublot G represent material placed on day 2. The tests in sublot H represent the day 3 material from station 159+93 to 176+78, a total length of 1685 feet long (185' from sublot G, paved on day 3, and 1500' in sublot H) by 12 feet wide.

Quantity represented by tests in sublot H =

$$\frac{\text{(1685' x 12')}}{\text{(9 sf/sy)}} \times \frac{\text{(2 in. x 110 lb/sy/in)}}{\text{(2000 lb/ton)}} = 247 \text{ tons}$$

According to the disincentive pay table in the specification, the quantities are subject to a pay factor equal to 95 percent of the contract price. This is equivalent to a 5 percent pay reduction.

Disincentive Density HMA Pavement = 247 tons x (\$41.75/ton x 0.05) = -\$515.61

#### 3. Sublot I:

Quantity represented by tests in sublot I =

$$\frac{(1500' \times 12')}{(9 \text{ sf/sy})} \times \frac{(2 \text{ in.} \times 110 \text{ lb/sy/in})}{(2000 \text{ lb/ton})} = 220 \text{ tons}$$

According to the incentive pay table, 220 tons of the HMA pavement item are eligible for an incentive of \$0.80 per ton, or a total of \$176.00.

#### 4. Sublot J:

Day 3 ended within the limits of sublot J, beyond its random test location. The day 3 quantity placed within sublot J, from station 191+78 to 202+36, at length of 1,058 feet, is represented by its tests. The day 2 quantity placed toward the end of sublot J is represented by the tests taken on day 2 within sublot K.

Quantity represented by tests in sublot J=

$$\frac{(1058' \times 12')}{(9 \text{ sf/sy})} \times \frac{(2 \text{ in.} \times 110 \text{ lb/sy/in})}{(2000 \text{ lb/ton})} = 155 \text{ tons}$$

According to the disincentive pay table in the specification, the quantities are subject to a pay factor equal to 95 percent of the contract price. This is equivalent to a 5 percent pay reduction.

Disincentive Density HMA Pavement = 155 tons x (\$41.75/ton x 0.05) = -\$323.56

### 5. Shoulder:

All of the day 3 shoulder sublots have acceptable density values, so we use all of the results to compute the day's shoulder lot density.

Day 3 shoulder lot density = (91.9 + 94.4 + 92.1) / 3 tests = 92.8%

The lot density of 92.8% is not more than 1.0% above the required minimum of 92.0%, therefore the day 3 shoulder pavement does not receive any density incentive.

#### Day 3 Incentive/Disincentive Summary:

Incentive Density HMA Pavement (Lot I) = \$176.00 Disincentive Density HMA Pavement (Lot H) = -\$515.61

Disincentive Density HMA Pavement (Lot J) = -\$323.56

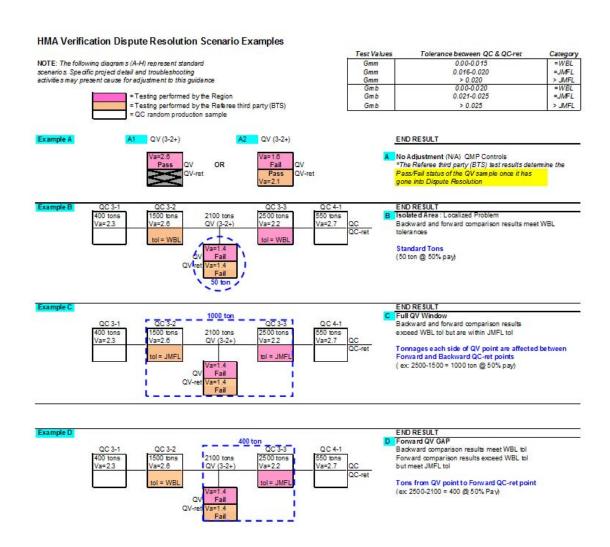
Delete CMM 8-36.6.1 QC Tests and replace with the following:

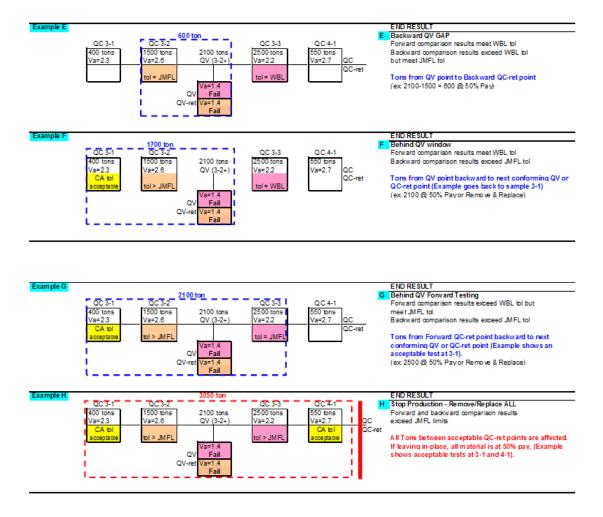
QC testing must be completed, and data posted, on the day the sample was taken or as approved by the engineer.

For administration of projects requiring only one, two, or three single tests per mix design, apply the following tolerances table for mixture evaluation:

- Va = 2.0 5.0%
- VMA = 1.3 from required minimums for Table 460-1 as revised in STSP 460-025
- AC = within -0.1of JMF Pb after regression

Delete CMM 8-36 Figure 8 HMA Verification Dispute Resolution Scenarios and replace with the following:





Delete CMM 8-66.2.2(3) and replace with the following:

- 3. Determine trial asphalt binder contents (estimated by experience or by calculation based on aggregate properties of trial blends).
  - Compact gyratory specimens using a minimum of 3 asphalt binder contents (0.5% increments) and covering a range to include the estimated optimum design binder content as well as 3.0% air voids. Use N<sub>des</sub> for compaction effort.
  - Compare trial binder content results. The design binder content (by either graphing or interpolating
    the trial data results) is determined as that meeting requirements stated in <a href="standard spec 460">standard spec 460</a>.
     The department will determine the optimum binder content corresponding to 3.0% air voids by
    linear regression of the trial gyratory specimens.

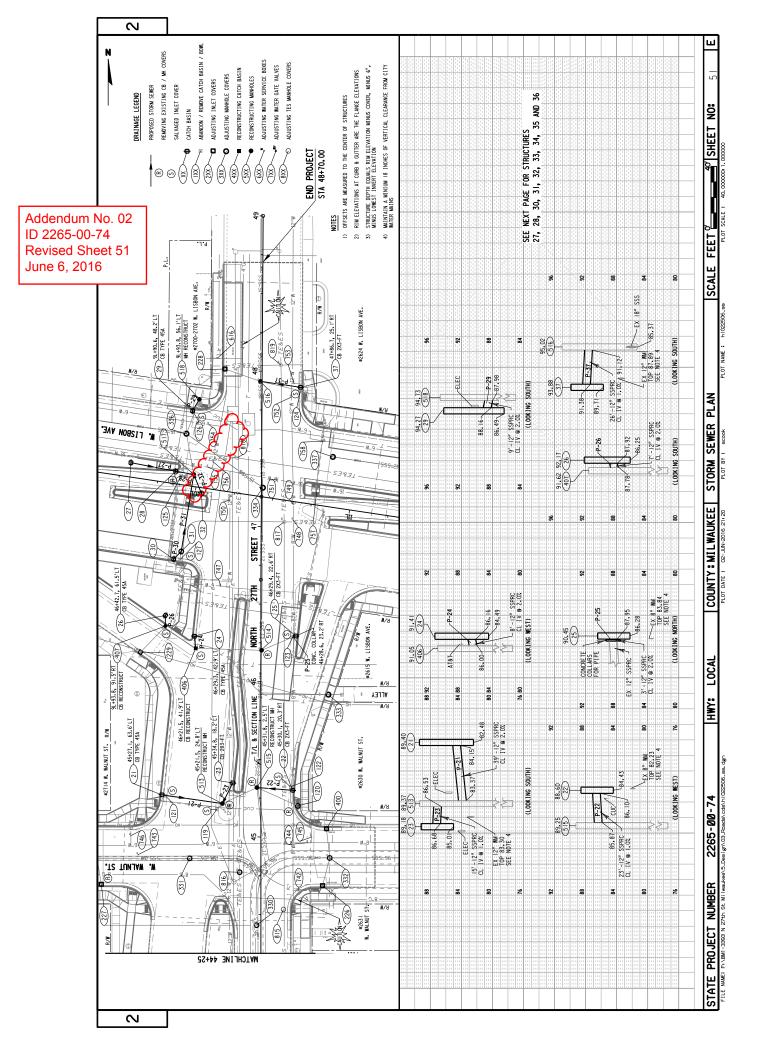
## Schedule of Items

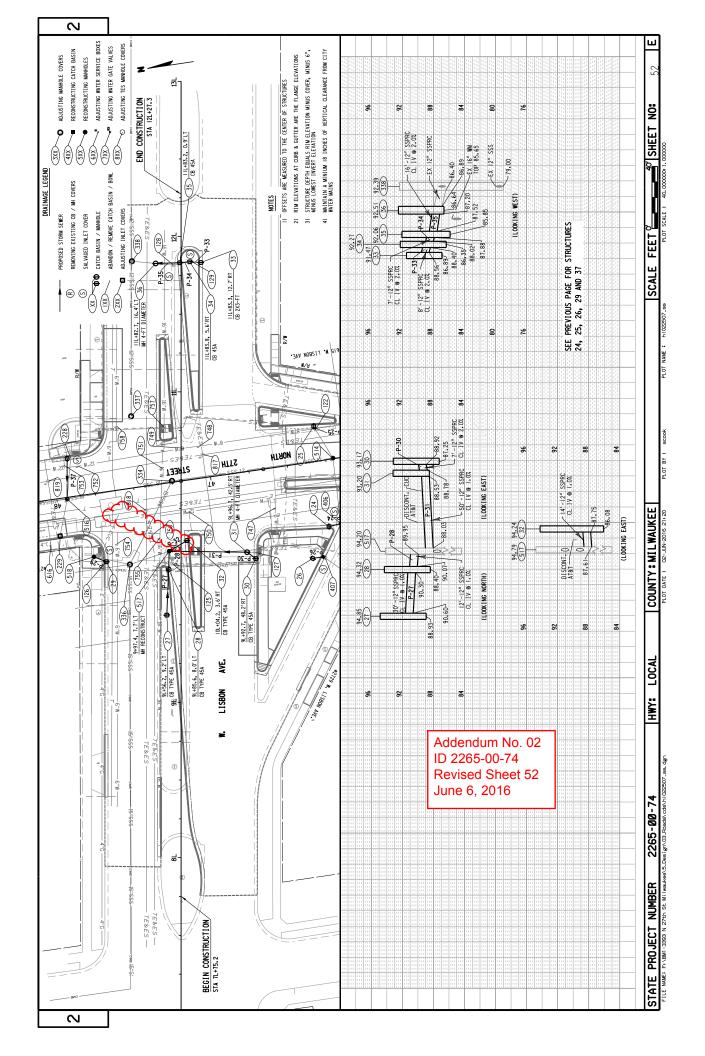
Attached, dated June 06, 2016 are the revised Schedule of Items Pages 1 – 14.

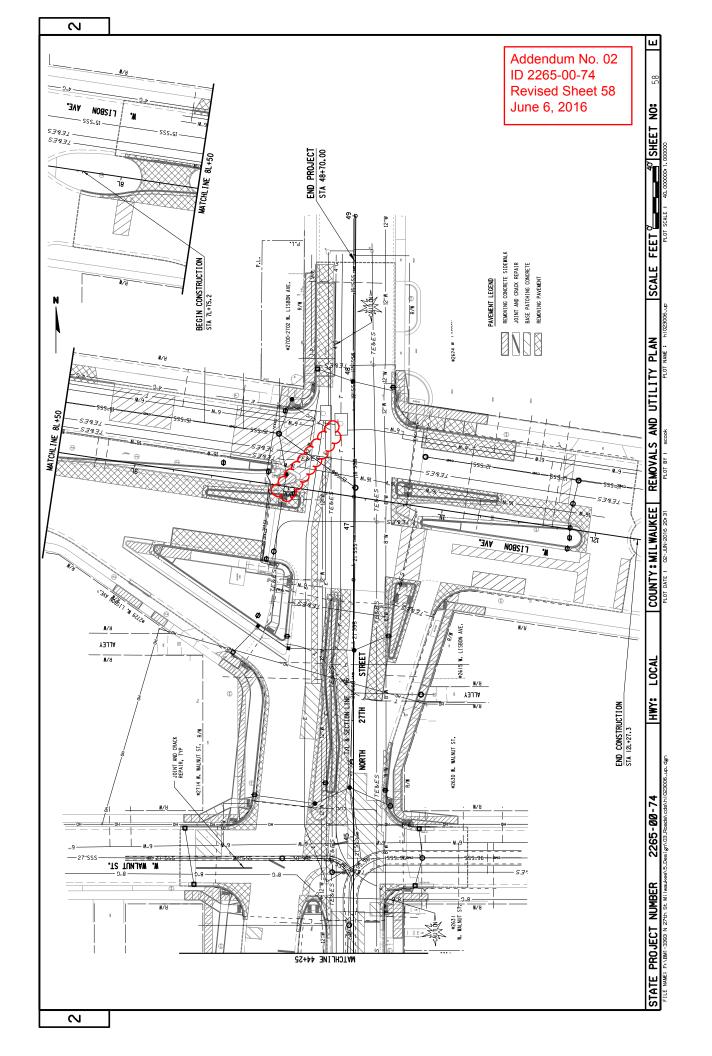
## **Plan Sheets**

The following  $8\frac{1}{2}$  x 11-inch sheets are attached and made part of the plans for this proposal: Revised: 51, 52, 58, 116, and 121.

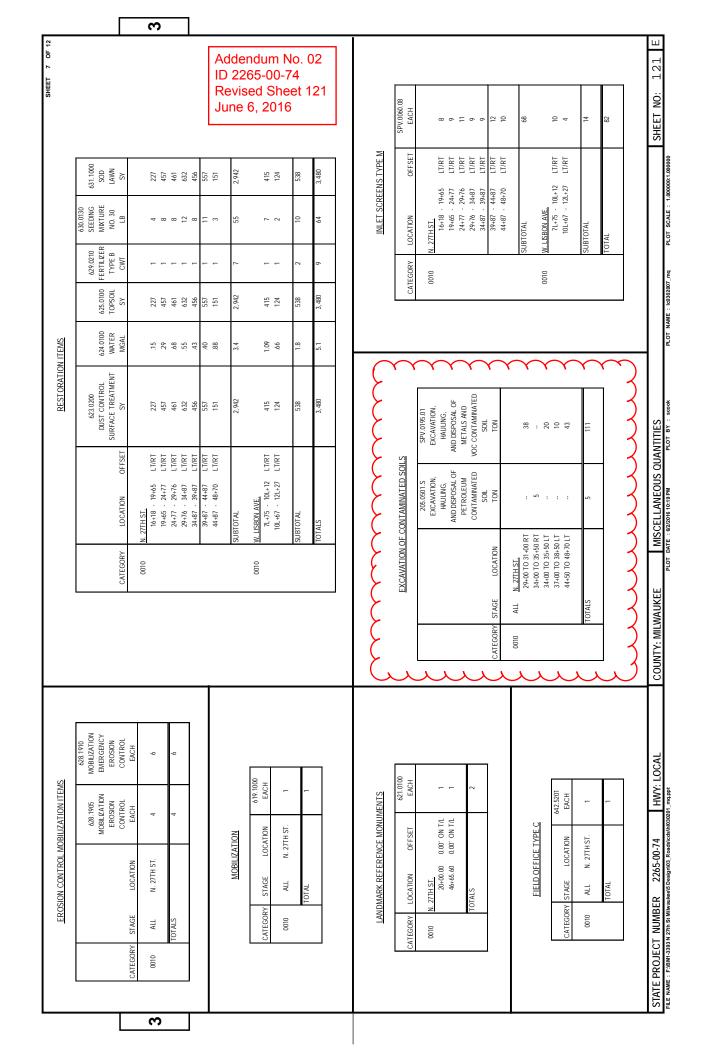
END OF ADDENDUM







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SHEET 2 OF 12		(4) MASS ORDINATE EXCESS	(SHORTAGE) CY	45	209 209	122	255	086		322	0+	027		1.30.			465,0125	ASPHALTIC	SURFACE TEMPORARY TON	۰	2	4 2	2	2	16	2	2	4	20	]																																										
		(3) 130% MASS C EXPANDED EXC	_		1 1					1 1		-		XPANSION FACTOR			465.0120 ASPHALTIC	SURFACE	FELD ENTRANCES TON	-	- :		: :		3	,	:	0	3																																											
	**	(1) 205.0100 EXCAVATION E:	COMMON	45	209	122	123	086	017	322	0+/	1,720				EXCAVATION (E). MATERIAL. EBS EX BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS E S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS I S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS E 5 BACKFILL (3).		EXCAVATION (E). : MATERIAL. EBS E : BACKFILL (3).		S EXCAVATION (E). LE MATERIAL. EBS 3S BACKFILL (3).	EXCAVATION (E). E MATERIAL. EBS E S BACKFILL (3).		EXCAVATION (E). : MATERIAL. EBS E : BACKFILL (3).		EXCAVATION (E). EMATERIAL. EBS E BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS E S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS S BACKFILL (3).		SEXCAVATION (E). E MATERIAL. EBS.	EXCAVATION (E). E MATERIAL. EBS S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS E BACKFILL (3).		S EXCAVATION (E). E MATERIAL. EBS IS BACKFILL (3).	S EXCAVATION (E). LE MATERIAL. EBS SS BACKFILL (3).		S EXCAVATION (E). LE MATERIAL. EBS SS BACKFILL (3).		S EXCAVATION (E). LE MATERIAL. EBS 3S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS I S BACKFILL (3).		EXCAVATION (E). E MATERIAL. EBS S BACKFILL (3).			SPV.0195.02 HMA PAVEMENT	2		Y	710	828	819	205	5,037	466	297	763	2,800				
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						i i	SORY FROM TO	N. 27TH ST		102 - 501					113 - 508	116 - 510			121 - 515 122 - 120 124 - 518	SUBTOTAL	0 W. LISBON AVE	125 - 514 126 - 515		129 - 128	SUBTOTAL	TOTALS																																														
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# Wisconsin Department of Transportation PAGE: 1 DATE: 06/06/16

#### SCHEDULE OF ITEMS REVISED:

CONTRA	ACTOR :			
LINE NO	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION   	QUANTITY AND UNITS		DOLLARS CTS
SECTIO	ON 0001 Roadway Items			
0010	201.0120 Clearing   	   87.000  ID		       .
0020	201.0220 Grubbing   	   87.000  ID		     
	204.0100 Removing  Pavement 	   3,670.000  SY		   
0040	204.0105 Removing  Pavement Butt Joints 	   820.000  SY		     .
	204.0120 Removing  Asphaltic Surface  Milling	   10,620.000  SY		
0060	204.0150 Removing Curb &  Gutter 	   3,830.000  LF		   
0070	204.0155 Removing  Concrete Sidewalk 	3,710.000 SY		
0080	204.0210 Removing  Manholes 	   1.000  EACH		
	204.0215 Removing Catch  Basins 	   28.000  EACH	·	     
0100	204.0245 Removing Storm  Sewer (size) 01. 8-Inch	   580.000   LF		       .

# Wisconsin Department of Transportation PAGE: 2 DATE: 06/06/16

## SCHEDULE OF ITEMS

REVISED:

LINE	ITEM	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY   AND UNITS	DOLLARS   CTS	DOLLARS CTS
0110	204.0245 Removing Storm  Sewer (size) 02.  12-Inch	   27.00  LF	0	
	204.0255 Abandoning  Catch Basins 	   1.00  EACH	0	
0130	204.0280 Sealing Pipes   	   4.00  EACH	0	
	204.0291.S Abandoning  Sewer 	   8.00	0	   
0150	204.9060.S Removing  (item description) 01.  Catch Basin Curb Boxes	   15.00  EACH	0	   
0160	204.9060.S Removing  (item description) 02.  Catch Basin Covers	   27.00  EACH	0	       .
0170	204.9060.S Removing  (item description) 03.  Manhole Covers	   42.00  EACH	0	       .
	205.0100 Excavation  Common	   1,720.00	0   .	     
	205.0501.S Excavation, Hauling, and Disposal of Petroleum Contaminated  Soil	   5.00  TON	0   .	
0200	213.0100 Finishing Roadway (project) 01.   2265-00-74	   1.00	0   .	
0210	305.0120 Base Aggregate  Dense 1 1/4-Inch 	   1,200.00  TON	0	     

# Wisconsin Department of Transportation PAGE: 3 DATE: 06/06/16

#### SCHEDULE OF ITEMS REVISED:

CONTRACT:

ONTRACT: PROJECT(S): FEDERAL ID(S): 20160614009 2265-00-74 WISC 2016222

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY AND UNITS	I	   DOLLARS  CTS
	320.0145 Concrete Base  8-Inch	   2,610.000  SY	   	   
	390.0303 Base Patching  Concrete 	   3,700.000  SY	   	   
	390.0403 Base Patching  Concrete Shes 	   930.000  SY	     .	   
	415.0080 Concrete  Pavement 8-Inch 	   255.000  SY	   	     .
	415.0090 Concrete  Pavement 9-Inch 	   870.000  SY		
	416.0170 Concrete  Driveway 7-Inch 	   180.000  SY		
	416.0270 Concrete  Driveway HES 7-Inch 	   95.000  SY		
	416.0610 Drilled Tie  Bars 	   2,270.000  EACH		
0300	455.0605 Tack Coat   	   3,230.000  GAL		
	460.2000 Incentive  Density HMA Pavement	   3,710.000  DOL	1.00000	   3710.00
	465.0120 Asphaltic  Surface Driveways and  Field Entrances	   3.000  TON		       .

# Wisconsin Department of Transportation PAGE: 4 DATE: 06/06/16

## SCHEDULE OF ITEMS

REVISED:

LINE NO	TTEM DESCRIPTION	APPROX. QUANTITY	UNIT PRICE	BID AMOUNT 
		AND UNITS	DOLLARS   CTS	DOLLARS CTS
	465.0125 Asphaltic  Surface Temporary 	   20.000  TON	 	·
	520.8000 Concrete  Collars for Pipe 	   1.000  EACH		
	601.0331 Concrete Curb &  Gutter 31-Inch 	   1,020.000  LF		
	601.0600 Concrete Curb  Pedestrian 	   50.000  LF		
	602.0410 Concrete  Sidewalk 5-Inch 	32,700.000  SF		
	602.0420 Concrete  Sidewalk 7-Inch 	   840.000  SF		
0410	602.0505 Curb Ramp  Detectable Warning Field  Yellow	780.000		   
0420	608.0412 Storm Sewer  Pipe Reinforced Concrete  Class IV 12-Inch	   746.000  LF		
	611.0410 Reconstructing  Catch Basins 	   8.000  EACH		
	611.0420 Reconstructing  Manholes 	   18.000  EACH	   	
	611.1230 Catch Basins  2x3-FT 	   14.000  EACH		   

# Wisconsin Department of Transportation PAGE: 5 DATE: 06/06/16

#### SCHEDULE OF ITEMS REVISED:

CONTR	ACTOR :			
LINE NO	!	APPROX. QUANTITY AND UNITS	UNIT PRICE	BID AMOUNT
0460	611.2004 Manholes 4-FT  Diameter 	   2.000  EACH	<u>:</u> 	
0470	611.8105 Adjusting Catch  Basin Covers 	   30.000  EACH	   	     
	611.8110 Adjusting  Manhole Covers 	   37.000  EACH	   	     
0490	611.8120.S Cover Plates  Temporary 	   49.000  EACH	     	     
	611.9710 Salvaged Inlet  Covers 	   21.000  EACH	   	
0510	619.1000 Mobilization   	   1.000  EACH	   	
	620.0300 Concrete Median  Sloped Nose 	   840.000  SF	   	     .
0530	621.0100 Landmark  Reference Monuments 	   2.000  EACH	   	     .
	623.0200 Dust Control  Surface Treatment 	   3,480.000  SY		   
0550	624.0100 Water   	   5.100  MGAL	   	       .
0560	625.0100 Topsoil   	   3,480.000  SY	     	       .

# Wisconsin Department of Transportation PAGE: 6 DATE: 06/06/16

## SCHEDULE OF ITEMS

REVISED:

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY   AND UNITS		S   DOLLARS  CTS
0570	628.1905 Mobilizations  Erosion Control 	   4.00  EACH	    0    .	
	628.1910 Mobilizations  Emergency Erosion  Control	   6.00  EACH	0	
0590	629.0210 Fertilizer Type  B 	9.00  CWT	    0    .	
	630.0130 Seeding Mixture  No. 30 	   64.00  LB	0   .	
0610	631.1000 Sod Lawn   	3,480.00	0   .	
	642.5201 Field Office  Type C 	1.00   EACH	    0    .	
0630	643.0100 Traffic Control  (project) 01.  2265-00-74	   1.00  EACH	0   .	
0640	643.0300 Traffic Control  Drums 	24,000.00  DAY	    0    .	
0650	643.0410 Traffic Control  Barricades Type II 	   900.00  DAY	0	
0660	643.0420 Traffic Control  Barricades Type III 	2,000.00   DAY	0	
0670	643.0500 Traffic Control  Flexible Tubular Marker  Posts	   1,030.00  EACH	   0    .	       .

Wisconsin Department of Transportation PAGE: 7
DATE: 06/06/16
SCHEDULE OF ITEMS REVISED: SCHEDULE OF ITEMS REVISED:

LINE	!	1	PPROX.	UNIT PF	BID AM	
NO	DESCRIPTION 	-	ANTITY D UNITS	DOLLARS	   DOLLARS	CTS
0680	643.0600 Traffic Control  Flexible Tubular Marker  Bases	    EACH	1,030.000		   	
0690	643.0705 Traffic Control  Warning Lights Type A 	    DAY	4,700.000		   	
0700	643.0715 Traffic Control  Warning Lights Type C 	    DAY	2,600.000		   	
0710	643.0800 Traffic Control  Arrow Boards 	    DAY	270.000		   	
0720	643.0900 Traffic Control  Signs 	    DAY	5,100.000		   	•
0730	644.1410.S Temporary  Pedestrian Surface  Asphalt	    SF	100.000		   	
0740	644.1601.S Temporary  Curb Ramp 	    EACH	4.000		   	
0750	646.0106 Pavement  Marking Epoxy 4-Inch 	      LF	6,240.000		   	
0760	646.0116 Pavement  Marking Epoxy 6-Inch 	      LF	6,030.000		   	
0770	647.0166 Pavement  Marking Arrows Epoxy  Type 2	    EACH	7.000		     	
0780	647.0206 Pavement  Marking Arrows Bike Lane  Epoxy	      EACH	18.000		     	

# Wisconsin Department of Transportation PAGE: 8 DATE: 06/06/16

## SCHEDULE OF ITEMS

REVISED:

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION	QUANTITY AND UNITS	DOLLARS   CTS	DOLLARS CT
0790	647.0306 Pavement  Marking Symbols Bike  Lane Epoxy	   18.000  EACH	   	
0800	647.0356 Pavement  Marking Words Epoxy	   6.000  EACH	   	   
0810	647.0576 Pavement  Marking Stop Line Epoxy  24-Inch	   270.000  LF	   	   
	647.0776 Pavement  Marking Crosswalk Epoxy  12-Inch	   2,870.000  LF	   	
	649.0400 Temporary  Pavement Marking  Removable Tape 4-Inch	   620.000  LF	     	
0840	650.4000 Construction  Staking Storm Sewer	   37.000  EACH	   	
0850	650.5500 Construction  Staking Curb Gutter and  Curb & Gutter	   6,420.000  LF	   	
	650.7000 Construction  Staking Concrete  Pavement	   860.000  LF	   	
0870	650.8500 Construction  Staking Electrical  Installations (project)  01. 2265-00-74	  LUMP	LUMP	
0880	650.9910 Construction  Staking Supplemental  Control (project) 01.  2265-00-74	  LUMP 	  LUMP 	

# Wisconsin Department of Transportation PAGE: 9 DATE: 06/06/16 SCHEDULE OF ITEMS REVISED:

## SCHEDULE OF ITEMS

REVISED:

LINE	!	!	PROX.	UNIT PR		BID AM	
NO	DESCRIPTION 	-	QUANTITY   AND UNITS		. !	DOLLARS	CTS
0890	652.0220 Conduit Rigid  Nonmetallic Schedule 40  1 1/2-Inch	    LF	40.000  		.	   	
0900	652.0225 Conduit Rigid  Nonmetallic Schedule 40  2-Inch	    LF	  370.000 		.	   	
0910	652.0230 Conduit Rigid  Nonmetallic Schedule 40  2 1/2-Inch	      LF	40.000  		.		
0920	652.0235 Conduit Rigid  Nonmetallic Schedule 40  3-Inch	    LF	440.000  				
0930	652.0615 Conduit Special  3-Inch 	    LF	 1,600.000  		.		•
0940	654.0110 Concrete Bases  Type 10 	    EACH	4.000  				
0950	690.0150 Sawing Asphalt   	    LF	  550.000 				
0960	690.0250 Sawing Concrete   	   1  LF	  7,920.000 				
0970	715.0415 Incentive  Strength Concrete  Pavement	    DOL	500.000  	1	.00000	5	00.00
0980	ASP.1T0A On-the-Job  Training Apprentice at  \$5.00/HR	    HRS	300.000    	5	.00000	<b>_</b>     15	00.00
0990	ASP.1T0G On-the-Job  Training Graduate at \$5.  00/HR	      HRS	  1,800.000 	5	.00000	     90	00.00

# Wisconsin Department of Transportation PAGE: 10 DATE: 06/06/16

SCHEDULE OF ITEMS REVISED:

CONTRACT:

ONTRACT: PROJECT(S): FEDERAL ID(S): 20160614009 2265-00-74 WISC 2016222

LINE	!	!	PROX.	UNIT PRICE		BID AMOUNT	
NO	DESCRIPTION	QUANTITY   AND UNITS		DOLLARS	CTS	l	CT
1000	SPV.0060 Special 04.  Inlet Cover Type 57	    EACH	33.000			   	
1010	SPV.0060 Special 05.  Manhole Covers Type 58A 	    EACH	44.000			   	
1020	SPV.0060 Special 06.  Catch Basin Type 44B 	    EACH	1.000				
1030	SPV.0060 Special 07.  Catch Basin Type 45A 	    EACH	20.000			   	
1040	SPV.0060 Special 08.  Inlet Screens Type M 	    EACH	82.000  				
1050	SPV.0060 Special 09.  Construction Staking  Curb Ramp	    EACH	87.000    87.000			   	
1060	SPV.0060 Special 10.  Utility Line Opening  (ULO)	    EACH	8.000    8.000				
1070	SPV.0060 Special 11.  Removing TES Manholes	    EACH	8.000   8.000			   	
1080	SPV.0060 Special 12.  Adjusting TES Manhole  Covers	    EACH	12.000			   	
1090	SPV.0060 Special 13.  Rectangular Polymer  Vault 13-Inch X 24-Inch  X 18-Inch	      EACH	14.000			     	

# Wisconsin Department of Transportation PAGE: 11 DATE: 06/06/16

SCHEDULE OF ITEMS REVISED:

CONTRACT:

ONTRACT: PROJECT(S): FEDERAL ID(S): 20160614009 2265-00-74 WISC 2016222

LINE	!	!	PROX.	UNIT PRICE		BID AM	OUNT
NO	DESCRIPTION	QUANTITY   AND UNITS				DOLLARS	CTS
1100	SPV.0060 Special 14.  Rectangular Polymer  Vault 17-Inch X 30-Inch  X 18-Inch	    EACH	10.000				
1110	SPV.0060 Special 15.  Install Traffic Signal  Base	    EACH	11.000		.		
	SPV.0060 Special 16.  Concrete Base Type 10  Special	    EACH	4.000		.		
1130	SPV.0060 Special 17.  Poles Type 10 	    EACH	4.000		.		
	SPV.0060 Special 18.  Poles Type 12 Special 	    EACH	3.000		.		
	SPV.0060 Special 19.  Poles Type 13 Special 	    EACH	1.000		.		
	SPV.0060 Special 20.  Monotube Arms 20-Feet 	    EACH	2.000		.		
	SPV.0060 Special 21.  Monotube Arms 25-Feet 	    EACH	2.000		.		
	SPV.0060 Special 22.  Monotube Arms 35-Feet 	    EACH	2.000		.		
1190	SPV.0060 Special 23.  Monotube Arms 40-Feet	      EACH	2.000		.     		

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#### SCHEDULE OF ITEMS REVISED:

LINE	!	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY   AND UNITS	DOLLARS   CTS	DOLLARS CTS
1200	SPV.0060 Special 24.  Installing Conduit Into  Existing Manholes	   17.000  EACH	     	
	SPV.0060 Special 25.  Manholes Type TES 4-FT  Diameter Doghouse	   8.000  EACH	     	   
1220	SPV.0060 Special 26.  Adjusting Water Service  Boxes	   17.000  EACH		   
	SPV.0060 Special 27.  Adjusting Water Gate  Valves	   58.000  EACH	   	     .
1240	SPV.0060 Special 28.  Water Main Protection 	   19.000  EACH		     .
	SPV.0090 Special 01.  Joint And Crack Repair 	   1,550.000  LF		
	SPV.0090 Special 02.  Concrete Curb & Gutter  Integral 31-Inch	   755.000  LF	   	
1270	SPV.0090 Special 03.  Concrete Curb & Gutter  31-Inch Special	   5,020.000  LF		
	SPV.0090 Special 04.  Concrete Curb & Gutter  6-Inch Sloped 31-Inch	   95.000  LF	     	   
1290	SPV.0090 Special 05.  Construction Staking  Asphalt Lower Layer	   3,650.000  LF	     	       .
1300	SPV.0090 Special 06.  Construction Staking  Asphalt Upper Layer	   3,650.000  LF	       .	   

# Wisconsin Department of Transportation PAGE: 13 DATE: 06/06/16

SCHEDULE OF ITEMS REVISED:

CONTRACT:

ONTRACT: PROJECT(S): FEDERAL ID(S): 20160614009 2265-00-74 WISC 2016222

LINE	ITEM	APPROX.	UNIT PRICE	BID AMOUNT
NO	DESCRIPTION 	QUANTITY AND UNITS	DOLLARS   CTS	DOLLARS CT
1310	SPV.0090 Special 07.  Construction Staking  Sidewalk	   4,950.000  LF		
1320	SPV.0090 Special 08.  7-Duct Conduit Cement  Encased 4-Inch Rigid  Nonmetallic Conduit  DB-60	245.000  LF		       
1330	SPV.0090 Special 09.  6-Duct Conduit Cement  Encased 4-Inch Rigid  Nonmetallic Conduit  DB-60	2,550.000  LF 		
1340	SPV.0090 Special 10. 4-Duct Conduit Cement Encased 4-Inch Rigid Nonmetallic Conduit DB-60	   140.000  LF		
1350	SPV.0090 Special 11.  1-Duct Conduit Cement  Encased 4-Inch Rigid  Nonmetallic Conduit  DB-60	   88.000  LF		
1360	SPV.0165 Special 01.  Concrete Sidewalk HES  7-Inch	   700.000  SF	     	
1370	SPV.0180 Special 01.  Joint Sealing	   1,120.000  SY		       .
1380	SPV.0195 Special 01.  Excavation Hauling And  Disposal Of Metals And  VOC Contaminated Soil	111.000		     
1390	450.4000 HMA Cold  Weather Paving	   466.000  TON	         .	     

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SCHEDULE OF ITEMS REVISED:

CONTRACT:

DNTRACT: PROJECT(S): FEDERAL ID(S): 20160614009 2265-00-74 WISC 2016222

CONTR	ACTOR :					
LINE NO	!	APPROX.	UNIT P	RICE	BID AMOUNT	
NO	DESCRIPTION 	QUANTITY   AND UNITS	DOLLARS	CTS	DOLLARS	CTS
1400	SPV.0195 Special 02.  HMA Pavement 4 MT 58-28  S 3.0% Va Regression  Special	   5,800.000  TON	   		     	
	   SECTION 0001 TOTAL		   			•
	   TOTAL BID		   			·