

**ADDENDUM #1**  
**PROJECT 26-RD-01: GREENFIELD CCMG 2026**

**March 19, 2026**

**ITEM #1**

Replace the Technical Specifications pages "TS-1" through "TS-11" with the attached Technical Specifications pages "2026 CCMG- ADDENDUM 1- TS-1" through "2026 CCMG- ADDENDUM 1- TS-9"

**ITEM #2**

For information, the prices listed on the plan sheets may be ignored. These prices were engineers estimates as preliminary estimates submitted to INDOT for budget considerations.

**ITEM #3**

For information, City will self perform parking and handicap parking striping on American Legion.

**ITEM #4**

Note addition of yellow striping and change in units on Bid form. Replace the Bid Forms pages "BID-3" through "BID-23" with the attached Bid Form pages "BID-3 ADDENDUM 1" through "BID-23 ADDENDUM 1"

All other items in the contract documents are valid. Bids must be received by 9:30 am as specified in the advertisement and will be promptly opened at 9:45 am.

End of Addendum

## TECHNICAL SPECIFICATIONS

### TS-101 PAY ITEMS SPECIFICATION REFERENCES

Item No.	Description	Specification
1	Mobilization & Demobilization	2024 INDOT Standard Specifications Section 110
2	Milling, Asphalt, 1.5 IN	2024 INDOT Standard Specifications Section 306
3	Milling, Approaches	2024 INDOT Standard Specifications Section 306
4	HMA Surface, Type B, 12.5 mm	2024 INDOT Standard Specifications Section 402 & TS-104
5	HMA for Approaches, Type B	2024 INDOT Standard Specifications Section 402 & TS-104
6	HMA Wedge and Level, Type B	2024 INDOT Standard Specifications Section 402 & TS-104
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	2024 INDOT Standard Specifications Section 402 & TS-104
8	Line, Thermoplastic, Solid, White, 6 IN	2024 INDOT Standard Specifications Section 808
9	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	2024 INDOT Standard Specifications Section 808
10	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	2024 INDOT Standard Specifications Section 808
11	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	2024 INDOT Standard Specifications Section 808

The Schedule of Pay Items does not contain lump sum pay items for maintenance of traffic or construction engineering; such work will not be paid for directly. The cost thereof shall be included in the cost of other pay items.

### TS-102 ALLOWABLE DISTURBANCE TIME

CONTRACTOR shall schedule and execute work in such a way as to minimize the time of disturbance to any particular street segment. Disturbance shall be defined as any specified and/or planned infrastructure improvements to an individual street on the project. The Disturbance Time start date is the date of actual construction begins and not at the time of sign placement.

A milled surface shall not be left open to traffic longer than five (5) calendar days for mainline pavement and ten (10) days for approaches. If the milled surface is not overlaid after five (5) calendar days for mainline pavement and ten (10) calendar days for approaches, a \$200.00 per calendar day per street shall be assessed as liquidated damages, not as a penalty, but as damages sustained for each calendar day that the milled area remains left open to traffic.

Construction signs shall be removed within seven (7) calendar days of final acceptance of an individual street. The cost of coordinating work activities associated with this specification shall not be paid for directly, but shall be included in the total cost of the contract.

### TS-103 ASPHALT MATERIAL FOR TACK COAT

The cost of this item shall not be paid for directly, but shall be included in the cost of other items.

Asphalt material for tack coat shall be applied to existing pavement prior to the placing of base, intermediate or surface course under applicable provision of Section 406 of the Standard Specifications.

The tack coat shall be applied in such a manner as to minimize inconvenience to traffic and to permit one-lane traffic without pick-up or tracking of the asphalt material. If, after the application of the tack coat, the tack coated section is open to traffic, or the CONTRACTOR did not pave the area covered by the tack at the end of the working day, cover aggregate shall be spread as directed by ENGINEER. The cover aggregate, if required, shall be a fine aggregate No. 24 and will not be paid directly but shall be included in the cost of other items.

**TS-104 LOCAL HMA SPECIFICATIONS**

The current Indiana Department of Transportation (INDOT) Standard Specifications, Section 402 – Hot Mix Asphalt, HMA, Pavement and all applicable provisions, shall apply with the modifications as noted herein. Section numbers refer to INDOT Standard Specifications.

**HMA.01 Description**

This work shall consist of one or more courses of Hot Mix Asphalt (HMA) base, intermediate, surface mixtures or other miscellaneous HMA application.

**HMA.02 Quality Control**

HMA shall be supplied from a Certified HMA Plant in accordance with *Indiana Test Method (ITM) 583 – Certified Volumetric Hot Mix Asphalt Producer Program*. HMA shall be transported and placed according to a Quality Control Plan (QCP) prepared by the Contractor in accordance with *ITM 803 – Contractor Quality Control Plan for HMA Pavement*. The QCP shall be submitted to the Contracting Agency five calendar days prior to commencing HMA paving operations.

**HMA.03 Materials**

PG binders for HMA shall be supplied by an INDOT approved supplier in accordance with *ITM 581 – Asphalt Supplier Certification (ASC) Program* and shall meet the requirements of Section 902.01(a).

Aggregate materials for HMA mixtures shall be supplied by an INDOT Certified Aggregate Producer (CAPP). The aggregates shall meet the requirements of Section 904.

The HMA fine aggregate materials shall meet the requirements of Section 904.02(b), except the fine aggregate angularity table shall be modified as follows:

FINE AGGREGATE ANGULARITY		
Type	Depth from Surface	
	≤ 4 inches*	> 4 inches
B	40	40
C	45	40

\*Note: For 4.75 mm mixtures, the fine aggregate angularity shall be 45.

The HMA coarse aggregate materials shall meet the requirements of 904.03(b), except the coarse aggregate angularity table shall be modified as follows:

COARSE AGGREGATE ANGULARITY		
Type	Depth from Surface	
	≤ 4 inches	> 4 inches
B	75	50

C	85/80*	60
*Note: Denotes two faced crushed requirements.		

HMA coarse aggregates for surface mixtures shall meet the requirements of Section 904.03(d), except they may be modified as follows when the design speed or posted speed limit is equal to or less than 45 mph.

Coarse Aggregate Type	Traffic ESALs	
	< 3,000,000	< 10,000,000
Air-Cooled Blast Furnace Slag	Yes	Yes
Steel Furnace Slag	Yes	Yes
Sandstone	Yes	Yes
Crushed Dolomite	Yes	Yes
Polish Resistant Aggregates	Yes	Yes
Crushed Stone	Yes	*
Gravel	Yes	*
*Note: Crushed Stone or gravel may be used if classified as a crushed dolomite or polish resistant aggregate.		

**HMA.04 Design Mix Formula and Mixture Type**

The design mix formula (DMF) shall be prepared by an INDOT approved Mix Design Laboratory in accordance with Section 401.05 and submitted to the Contracting Agency in an acceptable format one week prior to use. The DMF shall be based on the mixture type (design ESAL) and mixture designation of the following tables.

<i>Mixture Type</i>	<i>Type B*</i>	<i>Type C*</i>
<i>Design ESAL</i>	<i>&lt;3,000,000</i>	<i>≥3,000,000</i>
<i>AADT (Average Annual Daily Traffic)***</i>	<i>&lt; 15,000</i>	<i>15,000 - 30,000</i>
<i>AADTT (Average Annual Daily Truck Traffic)***</i>	<i>&lt; 1700</i>	<i>≥1700</i>
<i>Commercial &amp; Residential Application***</i>	<i>Parking Lots with &lt;300 heavy trucks** per day</i>	<i>Heavy commercial parking lots with ≥300 heavy trucks** per day</i>

<i>Mixture Type</i>	<i>Type B*</i>	<i>Type C*</i>
<b>Surface</b>		
Nominal Maximum Aggregate Sizes	4.75 mm	4.75 mm
	9.5 mm	9.5 mm

	12.5 mm	12.5 mm
Recommended PG Binder Grade	58S-28	58H-28
<b>Intermediate</b>		
Nominal Maximum Aggregate Sizes	9.5 mm	9.5 mm
	12.5 mm	12.5 mm
	19.0 mm	19.0 mm
	25.0 mm	25.0 mm
Recommended PG Binder Grade	58S-28	58H-28
<b>Base</b>		
Nominal Maximum Aggregate Sizes	19.0 mm	19.0 mm
	25.0 mm	25.0 mm
Recommended PG Binder Grade	58S-28	58S-28

\* A higher category mix may be used for a lower category application at no additional cost to the agency.

\*\* Heavy trucks are commercial vehicles with normally 2 axles, six tires or larger.

\*\*\* This information is provided as an approximate comparison only.

Asphalt binder grades are recommended in the above table based on mixture type and designation. The plant discharge temperature for any mixture shall not be more than 315°F whenever PG 58S-28 or PG 58H-28 binders are used and not more than 325° F whenever PG 58E-28 binders are used. HMA mixtures may be produced by using a water injection foaming device or additives as specified and according to the manufacturer's recommendations.

#### **HMA.05 Volumetric Mix Design**

Design Mix Formula (DMF) shall be determined for each mixture from a volumetric mix design by a design laboratory selected from INDOT's list of Approved Mix Design Laboratories. A volumetric mixture shall be designed in accordance with Section 401.05 and AASHTO R 35 with the following tables and exceptions. All loose mixture shall be conditioned for four hours in accordance with AASHTO R 30 prior to testing. Material Adjustment Factor (MAF) shall not apply.

GYRATORY COMPACTION EFFORT					
Mix Type	N <sub>ini</sub>	N <sub>des</sub>	N <sub>max</sub>	Max. % G <sub>mm</sub> @ N <sub>ini</sub>	Max. % G <sub>mm</sub> @ N <sub>max</sub>
B	7	75	115	90.5	98.0
C	8	100	160	89.0	98.0

VOIDS FILLED WITH ASPHALT, VFA, CRITERIA @ N <sub>des</sub>	
Type	VFA %
B	60-70
C	60-70

**Notes:**

1. For 4.75 mm mixtures, the specified VFA range shall be 67% to 79%
2. For 9.5 mm mixtures, the specified VFA range shall be 69% to 72% for design traffic levels  $\geq 3,000,000$  ESALs
3. For 25.0 mm mixtures, the specified lower limit of the VFA shall be 62% for design traffic levels  $< 300,000$  ESALs

**HMA.06 (intentionally left blank)**

**HMA.07 Mix Criteria**

HMA wedge and leveling mixtures shall consist of surface or intermediate mixtures in accordance with HMA.04. Aggregate requirements of 904.03(d) do not apply when the wedge and leveling mixture is covered by a surface or intermediate mixture.

Temporary HMA mixtures shall be the type specified in accordance with HMA.04. A MAF in accordance with 402.05 will not apply.

HMA curbing mixes shall be HMA surface type B in accordance with 402 except 402.05 shall not apply and RAP shall not be used. The binder content shall be 7.0% and the gradations shall meet the following:

HMA Curbing Gradations	
Sieve Size	Percent Passing
1/2 in. (12.5 mm)	100.0
3/8 in. (9.5 mm)	80.0 – 100.0
No. 4 (4.75 mm)	73.0 $\pm$ 5.0
No. 30 (600 $\mu$ m)	20.0 – 50.0
No. 200 (75 $\mu$ m)	6.0 – 12.0

**HMA.08 Recycled Material**

Recycled Materials shall meet the requirements of Section 401.06.

MAXIMUM BINDER REPLACEMENT PERCENTAGE							
Mix Type	Base and Intermediate				Surface		
	Dense Graded				Dense Graded		
	25.0 mm	19.0 mm	12.5 mm	9.5 mm	12.5 mm	9.5 mm	4.75 mm
B	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*
C	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*

\*Note: The contribution of RAS to any HMA mixture shall be  $\leq 3.0\%$  by total mass of mixture and  $\leq 15.0\%$  binder replacement.

**HMA.09 Acceptance of Mixtures**

Acceptance will be on the basis of a Type D Certification in accordance with Section 916(d). The HMA Certification shall be the quality control tests representing the material and shall include air voids at  $N_{design}$  and binder content for material supplied to the project. A Type D Certification reflecting quality control tests with the latest sample results shall be submitted to the Contracting Agency’s representative each

day in which material is received.

The Minimum Testing Frequency for Type D Certification.

Base and Intermediate 1<sup>st</sup> 250 ton and One sample for each 1,000 ton thereafter  
Surface 1<sup>st</sup> 250 ton and One sample for each 600 ton thereafter

**CONSTRUCTION REQUIREMENTS**

**HMA.10 General**

Shall be in accordance with Section 402.10.

**HMA.11 Preparation of Surfaces to be Overlaid**

Milling of an existing surface shall be in accordance with Section 306. Surfaces on which a mixture is placed shall be free from objectionable or foreign materials at the time of placement.

PCCP, milled asphalt surfaces and asphalt shall be tacked according to Section 406. Contact surfaces of curbing, gutters, manholes and other structures shall be tacked in accordance with Section 406.

**HMA.12 Weather Limitations**

HMA courses less than 110 lb/syd are to be placed when the ambient and surface temperatures are 60° F or above. HMA courses equal to or greater than 110 lb/syd but less than or equal to 220 lb/syd are to be placed when the ambient and surface temperatures are 45° F or above. HMA courses greater than 220 lb/syd are to be placed when the ambient and surface temperatures are 32° F or above. Mixture shall not be placed on a frozen subgrade. However, HMA courses may be placed at lower temperatures provided the density of the HMA course is in accordance with Section 402.16 or if approved by the Contracting Agency's representative.

**HMA.13 Spreading and Finishing**

Shall be in accordance with Section 402.13.

**HMA.14 Joints**

Shall be in accordance with Section 402.14.

**HMA .15 Compaction**

The HMA mixture shall be compacted with equipment in accordance with 409.03(d) immediately after the mixture has been spread and finished. A roller application is defined as one pass of the roller over the entire mat. Compaction operations shall be completed in accordance with the following table or by the Low Temperature Compaction Requirements in HMA.16.

NUMBER OF ROLLER APPLICATIONS							
Rollers	Courses ≤ 440 lb/syd					Courses > 440 lb/syd	
	Option 1	Option 2	Option 3	Option 4	Option 5	Option 1	Option 2
Three Wheel	2		4			4	
Pneumatic Tire	2	4				4	
Tandem	2	2	2			4	

Vibratory				6			8
Oscillatory					6		

Rollers shall not cause undue displacement, cracking, or shoving. A reduced number of applications on a course may be approved if detrimental results are being observed.

**HMA.16 Low Temperature Compaction Requirements**

Shall be in accordance with Section 402.16. Density test reports shall be furnished to the Contracting Agency.

**HMA.17 Shoulder Corrugations**

Shall be in accordance with Section 402.17.

**HMA.18 Pavement Smoothness**

Shall be in accordance with Section 402.18.

**HMA.19 Method of Measurement**

Shall be in accordance with Section 402.19, except the Material Adjustment Factor (MAF) shall not apply.

**HMA.20 Basis of Payment**

The accepted quantities for this work will be paid for at the contract unit price per ton for HMA of the type and Nominal Maximum Aggregate Size (NMAS) specified, complete in place.

<u>Pay Item*</u>	<u>Pay Unit</u>
HMA Surface Type __, __mm	Ton
HMA Intermediate Type __, __mm	Ton
HMA Base Type __, __mm	Ton

\* Pay item shall include the mixture type from the table in HMA.04 and the Nominal Maximum Aggregate Size (NMAS).

**TS-105 RESURFACING AT BRIDGES**

Do not resurface bridges within the project unless otherwise designated. In such cases the resurfacing depth shall not exceed the milled depth.

**TS-106 MAINTAINING TRAFFIC**

CONTRACTOR is responsible for coordinating with the OWNER in implementing an acceptable maintenance of traffic plan in accordance with INDOT Standard Specifications Section 801. No direct payment will be made for any items that are involved with maintenance of traffic, but shall be included in the costs of other items within the contract.

The Work shall be maintained during construction and until the contract is accepted. This maintenance shall constitute continuous and effective Work prosecuted day by day with adequate equipment and forces to the end that the roadway, structures, barricades, and construction signs are kept in satisfactory condition at all times.

Once construction operations have begun within the project limits, and through traffic is required to be maintained, the CONTRACTOR shall repair areas as directed which require special maintenance. If the repair Work is determined to be required during construction and is due to the CONTRACTOR's operations, the cost of such Work shall be included in the costs of other pay items. If the areas of the roadway which require repair are due to use by the traveling public or the elements of nature, and are not the fault of the CONTRACTOR, the CONTRACTOR will be paid to repair those areas of the roadway. Such Work will be paid for under the appropriate pay items or in accordance with the Contract Documents for extra or unforeseen Work.

If the contract includes Work for the placing of a course upon a course or subgrade which the CONTRACTOR has constructed previously, such previous course or subgrade shall be maintained during all construction operations. The cost of maintaining this Work shall be included in the costs of other pay items.

Shoulders shall be graded and shaped to assure reasonable safety to traffic before opening any completed pavement to traffic.

Work which is in suitable condition for travel, or any portion thereof, shall be opened to traffic as directed. Such opening shall not be construed as acceptance of the Work or any part thereof, or as a waiver of any of the provisions of the contract.

When it is desirable to open a structure or portion of a highway to traffic, such opening shall be delayed until traffic will cause no injury to completed portions of the Work. When opening to traffic is required or permitted, the CONTRACTOR shall make provisions for the safety of the public as specified or directed. Opening to traffic will not relieve the CONTRACTOR of its liability and responsibility during the period the Work is so opened prior to final acceptance.

#### **TS-107 6x6 LOOP DETECTION**

This Work shall consist of providing detection loops in accordance with the INDOT Standard Drawings and Sections 805 and 922 of the INDOT Standard Specifications, except as revised herein. All detector loops shall be six (6) foot by six (6) foot circular or octagonal loops and consist of four turns of a 1 conductor, 14 AWG, IMSA 51-7 loop wire per 922.13(b). Loop detector lead-in cable shall be IMSA 50-2 lead-in cable in accordance with 922.13(a).

The CONTRACTOR shall layout and paint the location of saw cuts to be made. No saw cutting shall begin until the loop locations are approved by the ENGINEER. Loop saw cut slots shall be thoroughly cleaned and dried before installation of loop wires.

Loop splices shall be performed using 3M brand, "DBY" Direct Bury Splice Kits, or approved equal. CONTRACTOR shall solder the ends of the wire before applying the twist-on connector (wire nut). The two wires shall be secured together with electrical tape, approximately 2-3 inches from the splice. The electrical connector shall be inserted to the bottom of the gel filled tube. CONTRACTOR shall visually check to make sure it is seated on the bottom of the tube. The wires shall be positioned in the wire channels at the top of the tube before closing the tube cover.

CONTRACTOR shall be responsible for completing testing loops in accordance with 805.

Detection Loop will be paid for at the contract unit price per EACH 6' by 6' loop complete and in place. The cost of all labor, material, and equipment necessary to complete the Work, including but not limited to saw cuts, 1c/14 loop wire, backer rod, loop sealer, splicing, and testing shall be included in the bid price for 6x6 Loop Detection.

**TS-107 INCIDENTAL SIGNAL WORK**

This Work shall consist of restoring the existing traffic signal to proper working order after the resurfacing work has been completed, the replacement loops installed per Section 805 & TS-107, and the replacement detector housings have been installed (as needed), per Section 805.

The CONTRACTOR shall be responsible for documenting the existing condition of the traffic signal(s), which are owned and maintained by INDOT. The Work should consist of any incidental items that have not been itemized in the Bid documents to return the signal to proper working order.

CONTRACTOR shall be responsible for completing all work in accordance with 805 and any applicable INDOT guidance or direction.

Incidental Signal Work will be paid for at the contract unit price per lump sum complete and in place. The cost of all labor, material, and equipment necessary to complete the Work shall be included in the bid price for Incidental Signal Work.

**Segment 1- W. Osage Street: S. Pennsylvania Street to 250' west of S. West :** Length: 2,236 Feet  
 Width: 25 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	6,212	SYS		
3	Milling, Approaches	25	SYS		
4	HMA Surface, Type B, 12.5 mm	684	TON		
5	HMA for Approaches, Type B	3	TON		
6	HMA Wedge and Level, Type B	35	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	52	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	400	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	70	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	13	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 2- N. Fortville Pike Road (Franklin Street): W. McKenzie Road to M<sub>1</sub>** Length: 825 Feet

Width: 30 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,750	SYS		
3	Milling, Approaches	12	SYS		
4	HMA Surface, Type B, 12.5 mm	303	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	16	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	23	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	1,650	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	1,650	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	180	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	15	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 3- N. Fortville Pike Road (Franklin Street): McBride Street to 400' n** Length: 625 Feet  
 Width: 30 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,084	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	230	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	12	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	18	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	1,250	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	1,250	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	15	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 4- N. Fortville Pike Road (Franklin Street): 400' north of McBride St** Length: 3,506 Feet  
 Width: 30 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	11,687	SYS		
3	Milling, Approaches	12	SYS		
4	HMA Surface, Type B, 12.5 mm	1,286	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	65	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	97	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	7,012	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	7,012	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	180	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	15	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 5- N. Fortville Pike Road (Franklin Street roundabout): W. New Roæ** Length: 2,460 Feet  
 Width: 15 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	4,100	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	451	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	23	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	34	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	3,713	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	4,920	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	8	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 6- N. Fortville Pike Road (Franklin Street): W. New Road to E. CR 3C** Length: 5,570 Feet

Width: 25 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	15,473	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	1,703	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	86	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	128	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	11,140	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	11,140	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	13	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 7- Meadow Lane: 180' northeast of Greenfield Drive to 130 feet no**      Length: 1,135 Feet  
 Width: 28 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,532	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	389	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	20	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	30	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	448	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 8- McClellan Road: Oak Boulevard to Maple Drive**

Length: 1,158 Feet  
 Width: 34 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	4,375	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	482	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	25	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	37	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	10	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	17	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 9- Meek Street: Forest Avenue to E. South Street**

Length: 141 Feet

Width: 21 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension	
1	Mobilization & Demobilization	1	LS			
2	Milling, Asphalt, 1.5 IN	329	SYS			
3	Milling, Approaches	23	SYS			
4	HMA Surface, Type B, 12.5 mm	37	TON			
5	HMA for Approaches, Type B	3	TON			
6	HMA Wedge and Level, Type B	2	TON			
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	3	TON			
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF			
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF			
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF			
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	252	LF			
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	11	LF			
Total Cost (in numbers)					\$	-
Total Cost (in words)						

**Segment 10- American Legion: Main Street (U.S. 40) to E. South Street**

Length: 280 Feet

Width: 40 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,245	SYS		
3	Milling, Approaches	9	SYS		
4	HMA Surface, Type B, 12.5 mm	137	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	7	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	11	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	10	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	20	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 11- American Legion: E. South Street to End**

Length: 856 Feet

Width: 40 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,805	SYS		
3	Milling, Approaches	9	SYS		
4	HMA Surface, Type B, 12.5 mm	419	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	21	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	32	TON		
8	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
9	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	280	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	10	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	20	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 12- E Osage Street: S. State Street (S.R. 9) to End of Cul-de-sac**

Length: 1,281 Feet

Width: 21 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,989	SYS		
3	Milling, Approaches	9	SYS		
4	HMA Surface, Type B, 12.5 mm	329	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	17	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	25	TON		
8	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
9	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	210	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	11	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 13- Webb Drive: Kingen to Copeland Farms Drive**

Length: 633 Feet

Width: 28 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension	
1	Mobilization & Demobilization	1	LS			
2	Milling, Asphalt, 1.5 IN	1,970	SYS			
3	Milling, Approaches	9	SYS			
4	HMA Surface, Type B, 12.5 mm	217	TON			
5	HMA for Approaches, Type B	1	TON			
6	HMA Wedge and Level, Type B	11	TON			
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	17	TON			
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF			
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF			
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF			
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF			
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LF			
Total Cost (in numbers)					\$	-
Total Cost (in words)						

**Segment 14- Copeland Farms Drive: Webb Drive to Dorothy Drive**

Length: 1,871 Feet  
 Width: 56 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension	
1	Mobilization & Demobilization	1	LS			
2	Milling, Asphalt, 1.5 IN	11,642	SYS			
3	Milling, Approaches	6	SYS			
4	HMA Surface, Type B, 12.5 mm	1,281	TON			
5	HMA for Approaches, Type B	1	TON			
6	HMA Wedge and Level, Type B	65	TON			
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	97	TON			
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF			
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF			
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF			
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	224	LF			
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	28	LF			
Total Cost (in numbers)					\$	-
Total Cost (in words)						

**Segment 15- Dale Court: Dorothy Drive to End of Cul-de-sac**

Length: 255 Feet  
 Width: 24 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	680	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	75	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	4	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	6	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	12	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 16- Dorothy Drive: Copeland Farms Drive to Catt Drive**

Length: 235 Feet

Width: 28 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	732	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	81	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	5	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	7	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	56	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 17- N. School Street: W. North Street to W. Sixth Street**

Length: 1,336 Feet

Width: 75 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension	
1	Mobilization & Demobilization	1	LS			
2	Milling, Asphalt, 1.5 IN	11,134	SYS			
3	Milling, Approaches	20	SYS			
4	HMA Surface, Type B, 12.5 mm	1,225	TON			
5	HMA for Approaches, Type B	3	TON			
6	HMA Wedge and Level, Type B	62	TON			
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	92	TON			
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF			
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF			
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF			
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	400	LF			
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	38	LF			
Total Cost (in numbers)					\$	-
Total Cost (in words)						

**Segment 18- W. Walnut Street: N. Pennsylvania Street to N. School Street** Length: 1,270 Feet

Width: 56 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	7,903	SYS		
3	Milling, Approaches	37	SYS		
4	HMA Surface, Type B, 12.5 mm	870	TON		
5	HMA for Approaches, Type B	5	TON		
6	HMA Wedge and Level, Type B	44	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	66	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	224	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	28	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 19- N. Noble Street: W. Park Avenue to W. Fifth Street**

Length: 1,671 Feet  
 Width: 31 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	5,756	SYS		
3	Milling, Approaches	42	SYS		
4	HMA Surface, Type B, 12.5 mm	634	TON		
5	HMA for Approaches, Type B	5	TON		
6	HMA Wedge and Level, Type B	32	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	48	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	128	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	16	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 20- Center Street: E. Osage Street to Tague Street**

Length: 904 Feet  
 Width: 24 Feet  
 RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,411	SYS		
3	Milling, Approaches	9	SYS		
4	HMA Surface, Type B, 12.5 mm	266	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	14	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	20	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	192	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	20	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	12	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-

**Segment 21- Maple: Elm Drive to Michigan Street**

Length: 1,381 Feet

Width: 35 Feet

RS Thickness: 2 Inch

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	5,371	SYS		
3	Milling, Approaches	14	SYS		
4	HMA Surface, Type B, 12.5 mm	591	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	30	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	45	TON		
8	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LF		
9	Line, Thermoplastic, Solid, White, 6 IN	-	LF		
10	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LF		
11	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	20	LF		
12	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	18	LF		
Total Cost (in numbers)					\$
Total Cost (in words)					-