

ADDENDUM #2

PROJECT 25-RD-01: GREENFIELD CCMG 2025

April 3, 2025

ITEM #1

Technical Specs were omitted from published bid documents. The Technical Specs (pages TS-1 to TS-10) are attached.

ITEM #2

Disregard the published Part 3 (page BID-3) and replace with the attached 29 pages that itemize each of the 29 road segments.

ITEM #3

Clarifications:

1. Curb ramp removals. City will mark sidewalk panels to be removed with a "X".
2. Patching will be determined after milling.
3. City will post the "no parking signs" and be responsible for removal of vehicles.
4. Contractor is responsible for traffic control during operations.

ITEM #4

Clarification on note found in Instructions To Bidders Item 11 (page ITB-7) that states ** Contractor may choose date of Notice to Proceed no earlier than date listed and must achieve Substantial Completion within 60 calendar days, but no later than the date listed. Final Completion must be achieved within 30-calendar days after substantial completion, but no later than the date listed.*

The intent is that the Contractor shall have flexibility to start as needed, but once work in the City has started, 60 calendar days is allowed for Substantial Completion, but Substantial Completion shall be no later than October 31, 2025.

ITEM #5

- Contact for Tyler Rankins, Street Commissioner (cell) 317-586-5260. (office) 317-477-4380
- Contact for Glen Morrow, City Engineer (cell) 812-249-6535. (office) 317-325-1322.

ITEM #6

Companies that attended the March 21, 2025 (non-mandatory) Pre-Bid meeting were All Star Paving and Dave O'Mara.

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	Sidewalk Concrete, Remove	2024 INDOT Standard Specifications Section 202
9	Curb, Remove	2024 INDOT Standard Specifications Section 202
10	Curb Ramp, Concrete	2024 INDOT Standard Specifications Section 604 & 2023 INDOT Std Dwg E 604-SWCR-01 thru 14
11	Detectable Warning Surfaces	2024 INDOT Standard Specifications Section 604 & 2023 INDOT Std Dwg E 604-SWCR-01 thru 14
12	Line, Thermoplastic, Solid, Yellow, 4 IN	2024 INDOT Standard Specifications Section 808
13	Line, Thermoplastic, Solid, White, 4 IN	2024 INDOT Standard Specifications Section 808
14	Line, Thermoplastic, Solid, White, 6 IN	2024 INDOT Standard Specifications Section 808
15	Pavement Message Marking, Thermoplastic, Lane Indication Arrow	2024 INDOT Standard Specifications Section 808
16	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	2024 INDOT Standard Specifications Section 808
17	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	2024 INDOT Standard Specifications Section 808
18	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	2024 INDOT Standard Specifications Section 808
19	Transverse Marking, Thermoplastic, Crosshatch Line, Yellow, 12 IN	2024 INDOT Standard Specifications Section 808
20	6x6 Loop Detection	2024 INDOT Standard Specifications Section 805 & TS-107
21	Signal Detector Housing	2024 INDOT Standard Specifications Section 805
22	Incidental Signal Work	2024 INDOT Standard Specifications Section 805 & TS-108

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 Indiana Department of Transportation (INDOT) Standard Specifications, Section 402 – Hot Mix Asphalt, HMA, Pavement dated 2024, 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.

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
A		
B	40	40
C	45	40
*Note: For 4.75 mm mixtures, the fine aggregate angularity shall be 40 for Type A and 45 for Type B and C.		

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
A	55	
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	≥ 10,000,000
Air-Cooled Blast Furnace Slag	Yes	Yes	Yes
Steel Furnace Slag	Yes	Yes	Yes
Sandstone	Yes	Yes	Yes
Crushed Dolomite	Yes	Yes	Yes
Polish Resistant Aggregates	Yes	Yes	Yes
Crushed Stone	Yes	Yes	*
Gravel	Yes	Yes	*

*Note: Crushed Stone or gravel may be used in accordance with *ITM 221*.

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.

Mixture Type	Type A*	Type B*	Type C*
<i>Design ESAL</i>	<i><300,000</i>	<i>300,000 to <3,000,000</i>	<i>≥3,000,000</i>
<i>AADT (Average Annual Daily Traffic)***</i>	<i><4,000</i>	<i>4,000 - 15,000</i>	<i>15,000 - 30,000</i>
<i>AADTT (Average Annual Daily Truck Traffic)***</i>	<i><50</i>	<i>50 - 1700</i>	<i>>1700</i>
<i>Commercial & Residential Application***</i>	<i>Passenger car parking with <500 stalls and <20 heavy trucks** per day, residential driveways</i>	<i>Parking Lots with 20-300 heavy trucks** per day</i>	<i>Heavy commercial parking lots with 150-300 heavy trucks** per day</i>

Mixture Type	Type A*	Type B*	Type C*
Surface			
Nominal Maximum Aggregate Sizes	4.75 mm	4.75 mm	4.75 mm
	9.5 mm	9.5 mm	9.5 mm
	12.5 mm	12.5 mm	12.5 mm
Recommended PG Binder Grade	58S	58S	58H
Intermediate			
Nominal Maximum Aggregate Sizes	9.5 mm	9.5 mm	9.5 mm
	12.5 mm	12.5 mm	12.5 mm
	19.0 mm	19.0 mm	19.0 mm
	25.0 mm	25.0 mm	25.0 mm
Recommended PG Binder Grade	58S	58S	58S

Base			
Nominal Maximum	19.0 mm	19.0 mm	19.0 mm
Aggregate Sizes	25.0 mm	25.0 mm	25.0 mm
Recommended PG Binder Grade	58S	58S	58S

* 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. Adjustments to the binder grades may be required based on the amount of recycled materials used. Guidelines are contained in HMA.08. The plant discharge temperature for any mixture shall not be more than 315°F whenever PG 58-28, PG 58S, PG 64-28, or PG 70-22 binders are used and not more than 325° F whenever PG 70-28 or PG 76-22 binders are used. HMA mixtures may be produced by using a water injection foaming device or additives as specified and according to the manufactures 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 _{ini}	N _{des}	N _{max}	Max. % G _{mm} @ N _{ini}	Max. % G _{mm} @ N _{max}
A	6	50	75	91.5	98.0
B	7	75	115	90.5	98.0
C	8	100	160	89.0	98.0

VOIDS FILLED WITH ASPHALT, VFA, CRITERIA @ N _{des}	
Type	VFA %
A	70-80
B	65-78
C	65-75

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 ± 5.0
No. 30 (600 µm)	20.0 – 50.0
No. 200 (75 µm)	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
A	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*	25.0*
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 ≤ 3.0% by total mass of mixture and ≤ 15.0% binder replacement.							

HMA Mixtures with a binder replacement greater than 25.0% and less than or equal to 40.0% by weight of total binder content utilizing RAP or a blend of RAP and RAS shall use a binder grade with the upper and lower temperature classification reduced by 6° C from the specified binder grade as shown below.

Specified Binder Grade for Binder Replacement ≤ 25.0%	Specified Binder Grade for Binder Replacement >25.0% and ≤40.0%
PG 64-22	PG 58-28
PG 70-22	PG 64-28
PG 76-22	PG 70-28

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 test representing the material and shall include air voids at N_{design} and binder content for material supplied to the project. Type D Certification 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 One sample for each 1,000 ton

Surface One sample for each 600 ton

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 2- Franklin Court: W. 7th Street to End

Length: 400
Width: 22
RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	978	SYS		
3	Milling, Approaches	9	SYS		
4	HMA Surface, Type B, 12.5 mm	108	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	6	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	9	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	44	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	11	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 3- Fallon Lane: McClarnon Drive to Fields Boulevard

Length: 1120

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,360	SYS		
3	Milling, Approaches	6	SYS		
4	HMA Surface, Type B, 12.5 mm	370	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	19	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	28	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	108	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	27	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 4- Paragon Way: Fields Boulevard to Warren Way

Length: 370

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,110	SYS		
3	Milling, Approaches	6	SYS		
4	HMA Surface, Type B, 12.5 mm	123	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)	10	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	54	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 5- Warren Way: Fields Boulevard. to Paragon Way

Length: 560

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,680	SYS		
3	Milling, Approaches	6	SYS		
4	HMA Surface, Type B, 12.5 mm	185	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	10	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	14	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	54	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 6- Preston Drive: McClarnon Drive to Fields Boulevard

Length: 720

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,160	SYS		
3	Milling, Approaches	14	SYS		
4	HMA Surface, Type B, 12.5 mm	238	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	12	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	18	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	108	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	27	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 7- Tinker Trail: Creston Meadow to Rocky Road

Length: 920

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,760	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	304	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	16	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	23	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 8- Creaston Meadow: Tinker Trail to Rambling Road

Length: 390

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,170	SYS		
3	Milling, Approaches	12	SYS		
4	HMA Surface, Type B, 12.5 mm	129	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	7	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	10	TON		
8	Sidewalk Concrete, Remove	48	SYS		
9	Curb, Remove	18	LFT		
10	Curb Ramp, Concrete	48	SYS		
11	Detectable Warning Surfaces	3	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 9- Rambling Road: Creston Meadow to Gristmill Drive

Length: 1475

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	4,425	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	487	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	Sidewalk Concrete, Remove	208	SYS		
9	Curb, Remove	75	LFT		
10	Curb Ramp, Concrete	208	SYS		
11	Detectable Warning Surfaces	13	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	54	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 10- Gristmill Drive: Rambling Road to School House Drive

Length: 515
Width: 27
RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,545	SYS		
3	Milling, Approaches	10	SYS		
4	HMA Surface, Type B, 12.5 mm	170	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	9	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	13	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	54	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 11- Jefferson Boulevard: Main Street to End

Length: 2943

Width: 33

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	10,791	SYS		
3	Milling, Approaches	4	SYS		
4	HMA Surface, Type B, 12.5 mm	1,188	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	60	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	90	TON		
8	Sidewalk Concrete, Remove	208	SYS		
9	Curb, Remove	78	LFT		
10	Curb Ramp, Concrete	208	SYS		
11	Detectable Warning Surfaces	13	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	726	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	116	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 12- Madison Street: Jefferson Boulevard to Winfield Street

Length: 445

Width: 32

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,583	SYS		
3	Milling, Approaches	13	SYS		
4	HMA Surface, Type B, 12.5 mm	175	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	9	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	14	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	128	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	32	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 13- Harding Avenue: Jefferson Boulevard to Winfield Street

Length: 1300

Width: 26

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,756	SYS		
3	Milling, Approaches	6	SYS		
4	HMA Surface, Type B, 12.5 mm	414	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)	31	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	13	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 14- Ashby Drive: Roosevelt Drive to Winfield Street

Length: 925

Width: 27

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,775	SYS		
3	Milling, Approaches	7	SYS		
4	HMA Surface, Type B, 12.5 mm	306	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	16	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	23	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	108	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	27	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 15- Winfield Street: Madison Avenue to Harding Avenue

Length: 1850
Width: 28
RS Thickness: 2

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	-	SYS		
4	HMA Surface, Type B, 12.5 mm	634	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	32	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	48	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	224	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 16- Tyler Avenue: Main Street to Roosevelt Drive

Length: 575

Width: 36

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,300	SYS		
3	Milling, Approaches	13	SYS		
4	HMA Surface, Type B, 12.5 mm	253	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	13	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	19	TON		
8	Sidewalk Concrete, Remove	48	SYS		
9	Curb, Remove	18	LFT		
10	Curb Ramp, Concrete	48	SYS		
11	Detectable Warning Surfaces	3	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	18	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 17- W 7th Street: Monroe Street to Broadway Street

Length: 2000

Width: 25

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	5,556	SYS		
3	Milling, Approaches	10	SYS		
4	HMA Surface, Type B, 12.5 mm	612	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	31	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	46	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	100	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	38	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 18- Stonemason Road: Main Street to Creston Meadow

Length: 180

Width: 48

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	960	SYS		
3	Milling, Approaches	8	SYS		
4	HMA Surface, Type B, 12.5 mm	106	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	6	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	8	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	192	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	48	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 19- Pennsylvania Street: Main Street to End

Length: 2630

Width: 38

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	11,105	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	1,222	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	62	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	92	TON		
8	Sidewalk Concrete, Remove	128	SYS		
9	Curb, Remove	48	LFT		
10	Curb Ramp, Concrete	128	SYS		
11	Detectable Warning Surfaces	8	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	5,260	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	608	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	60	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	57	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 21- Pierson Street: Riley Avenue to Noble Street

Length: 370
Width: 20
RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	823	SYS		
3	Milling, Approaches	10	SYS		
4	HMA Surface, Type B, 12.5 mm	91	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	5	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	7	TON		
8	Sidewalk Concrete, Remove	128	SYS		
9	Curb, Remove	48	LFT		
10	Curb Ramp, Concrete	128	SYS		
11	Detectable Warning Surfaces	8	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	80	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	20	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 22- Riley Avenue: Main Street to Tague Street

Length: 2000

Width: 26

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	5,778	SYS		
3	Milling, Approaches	7	SYS		
4	HMA Surface, Type B, 12.5 mm	636	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	32	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	48	TON		
8	Sidewalk Concrete, Remove	224	SYS		
9	Curb, Remove	84	LFT		
10	Curb Ramp, Concrete	224	SYS		
11	Detectable Warning Surfaces	14	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	260	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	52	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 23- Kara Court: Tague Street to End

Length: 857

Width: 26

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,476	SYS		
3	Milling, Approaches	5	SYS		
4	HMA Surface, Type B, 12.5 mm	273	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)	21	TON		
8	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	52	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	13	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 24- Sweetwater Lane: Blue Road to Woodstream Drive

Length: 1179

Width: 28

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,668	SYS		
3	Milling, Approaches	25	SYS		
4	HMA Surface, Type B, 12.5 mm	404	TON		
5	HMA for Approaches, Type B	3	TON		
6	HMA Wedge and Level, Type B	21	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	31	TON		
8	Sidewalk Concrete, Remove	128	SYS		
9	Curb, Remove	48	LFT		
10	Curb Ramp, Concrete	128	SYS		
11	Detectable Warning Surfaces	8	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	224	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	28	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 25- Prairieview Lane: Sweetwater Lane to Woodstream Drive

Length: 1110

Width: 28

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	3,454	SYS		
3	Milling, Approaches	10	SYS		
4	HMA Surface, Type B, 12.5 mm	380	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	19	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	29	TON		
8	Sidewalk Concrete, Remove	32	SYS		
9	Curb, Remove	12	LFT		
10	Curb Ramp, Concrete	32	SYS		
11	Detectable Warning Surfaces	2	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	56	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 26- Brookstone Drive: Sweetwater Lane to Carlton Drive

Length: 552

Width: 28

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,718	SYS		
3	Milling, Approaches	15	SYS		
4	HMA Surface, Type B, 12.5 mm	189	TON		
5	HMA for Approaches, Type B	2	TON		
6	HMA Wedge and Level, Type B	10	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	15	TON		
8	Sidewalk Concrete, Remove	64	SYS		
9	Curb, Remove	24	LFT		
10	Curb Ramp, Concrete	64	SYS		
11	Detectable Warning Surfaces	4	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 27- Willowview Lane: Brookstone Drive to Woodstream Drive

Length: 877

Width: 28

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	2,729	SYS		
3	Milling, Approaches	10	SYS		
4	HMA Surface, Type B, 12.5 mm	301	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	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	112	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	28	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 28- Brookview Circle: Woodstream Drive to End

Length: 133

Width: 28

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	414	SYS		
3	Milling, Approaches	5	SYS		
4	HMA Surface, Type B, 12.5 mm	46	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	3	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	4	TON		
8	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	56	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 29- Willowview Court: Woodstream Drive to End

Length: 178
Width: 28
RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	554	SYS		
3	Milling, Approaches	5	SYS		
4	HMA Surface, Type B, 12.5 mm	61	TON		
5	HMA for Approaches, Type B	1	TON		
6	HMA Wedge and Level, Type B	4	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	5	TON		
8	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	-	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	-	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	-	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	56	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	-	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	14	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 30- New Rd and Apple Roundabout

Length: 1912

Width: 22

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	4,674	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	515	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	26	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	39	TON		
8	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	1,000	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	48	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	506	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	216	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					

Segment 31- Franklin and Mckeznie Roundabout

Length: 872

Width: 20

RS Thickness: 2

Item No.	Description	Quantity	Units	Unit Price	Extension
1	Mobilization & Demobilization	1	LS		
2	Milling, Asphalt, 1.5 IN	1,938	SYS		
3	Milling, Approaches	-	SYS		
4	HMA Surface, Type B, 12.5 mm	214	TON		
5	HMA for Approaches, Type B	-	TON		
6	HMA Wedge and Level, Type B	11	TON		
7	HMA Base Repair, Type B, 25.0 mm (6" depth)	16	TON		
8	Sidewalk Concrete, Remove	-	SYS		
9	Curb, Remove	-	LFT		
10	Curb Ramp, Concrete	-	SYS		
11	Detectable Warning Surfaces	-	SYS		
12	Line, Thermoplastic, Solid, Yellow, 4 IN	4,096	LFT		
13	Transverse Marking, Multi-component, Crosswalk Line, White, 24 in. (Sharks Teeth)	48	LFT		
14	Line, Thermoplastic, Solid, White, 6 IN	56	LFT		
15	Transverse Marking, Thermoplastic, Crosswalk, White, 6 IN	-	LFT		
16	Transverse Marking, Thermoplastic, Crosswalk, White, 24 IN	216	LFT		
17	Transverse Marking, Thermoplastic, Stop Line, White, 24 IN	-	LFT		
Total Cost (in numbers)					
Total Cost (in words)					