

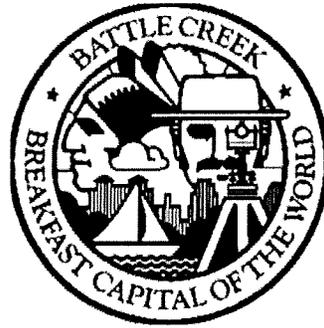


# CITY OF BATTLE CREEK

## *2017 Capital Preventative Maintenance Program*

Invitation for Bid  
**# 2017-060B**

*Prepared by the  
Purchasing Division  
February, 2017*



## TABLE OF CONTENTS

|   |    |
|---|----|
| SECTION I - SPECIAL INFORMATION FOR BIDDERS ..... | 3  |
| SECTION II – OFFER TO CONTRACT .....              | 5  |
| SECTION III - CONTRACTOR'S BID FORMS .....        | 8  |
| SECTION IV - CONTRACTOR'S CONTRACT FORMS .....    | 13 |
| SECTION V - SPECIAL CONDITIONS .....              | 18 |
| SECTION VI - SPECIAL PROVISIONS .....             | 21 |
| SECTION VII – LARA WAGES .....                    | 33 |
| DRAWING .....                                     | 58 |
| ATTACHMENTS .....                                 | 60 |

**CITY OF BATTLE CREEK, MICHIGAN  
 NOTICE OF INVITATION FOR BIDS  
 IFB #2017-060B  
 2017 CAPITAL PREVENTATIVE MAINTENANCE PROGRAM**

**IFB DUE DATE and TIME: March 15, 2017 at 2:00 pm local time (office hours 8-12 and 1-5)**

**BID SUBMITTAL:** Bids must be submitted in a sealed envelope with the IFB number, the due date/time and the bidder's name and address clearly indicated on the envelope. Bids must be in the actual possession of the Purchasing Department Room 214, City Hall, 10 N. Division Street, Battle Creek, Michigan 49014 on or prior to the exact time and date indicated above. The prevailing clock shall be [www.time.gov](http://www.time.gov). Late bids will not be considered. All bids will be publicly opened and read aloud at the aforementioned address. All interested parties are invited to attend.

**PROJECT DESCRIPTION:** The City of Battle Creek will accept sealed bids for the 2017 Capital Preventative Maintenance Program. This project consists of, but is not limited to work taking place on local and major streets throughout the City of Battle Creek. This will include chip seal, hot-in-place recycling, micro-surface, and crack filling. Spot curb and sidewalk repair will be done as well at the direction of the Engineer.

|  |  |
|--|--|
| <p><b>PRE-BID CONFERENCE: N/A</b></p>  | <p><b>FUNDING:</b> This project has NO federal or state funding. All project funding is provided by the City of Battle Creek. None of the CDBG requirements are applicable for this contract.</p>  |
| <p><b>TECHNICAL QUESTIONS OR SITE VISITATION:</b><br/> <b>Engineering Department</b><br/>         Melissa Matson<br/>         269-966-3343</p>   | <p><b>PREVAILING WAGES:</b> Required for this project. See attached wage rates at the end of this document. Contractor shall abide by all the requirements set forth in Section 208.09, PREVAILING WAGES ON CITY PROJECTS, of the City's Administrative Code.</p>  |
| <p><b>COPIES OF IFB and PLANHOLDERS LIST:</b><br/>         Engineering Division<br/>         150 S. Kendall St.<br/>         Battle Creek, MI 49014<br/>         269-966-3343</p>  | <p><b>FEE:</b> None</p>  |
|  | <p><b>IFB ISSUE DATE: February 3, 2017</b></p>   |
| <p><b>DOCUMENT EXAMINATION:</b><br/>         City of Battle Creek, Purchasing Division<br/>         Dodge Corporation in Kalamazoo, Michigan<br/>         Builders Exchange in Grand Rapids, Kalamazoo &amp; Lansing, Michigan</p>   | <p><b>ADDENDA:</b> Each addendum will be on file in the Office of the Purchasing Agent. To the extent possible, copies will be mailed to each person registered as having received a set of bid documents. It shall be the bidder's responsibility to make inquiry as to addenda issued. All such addenda shall become a binding part of the contract.</p> |
| <p><b>BID BOND:</b> Each bid must be accompanied by a certified check, cashier's check, or standard form bid bond, made payable to the City of Battle Creek, in an amount of not less than five (5%) percent of the base bid submitted. Failure of any accepted bidder to enter into a contract for the work will cause forfeit of the bid security. After contracts for the work have been signed, all bid securities will be returned.</p>         | <p><b>PERFORMANCE/LABOR/MATERIALS BONDS:</b> The accepted bidder will be required to furnish a satisfactory performance bond and labor/materials payment bond, each in an amount equal to 100% of the contract and insurance certificate upon forms acceptable to the City.</p>  |
| <p><b>BID VALID:</b> Bids may be withdrawn up to the time and date of the bid opening. After the bid opening, bids may not be withdrawn for a period of ninety (90) days thereafter. The City of Battle Creek reserves the right to waive any irregularity or informality in bids, to reject any and/or all bids, in whole or in part, or to award any contract to other than the low bidder, should it be deemed in its best interest to do so.</p> |  |

## SECTION I - SPECIAL INFORMATION FOR BIDDERS

### 1. General Contract Specification

The following sections of the General Contract Specifications BC-19-08, will be applicable for this contract General Instructions to Bidders and General Conditions of City Contracts.

### 2. Order Of Precedence

The plans and specifications shall be considered to be one complete document and what is called for in one shall be considered as being called for in all. In the event that there is a conflict between the parts, the following order of precedence shall govern:

Addenda to bidding documents  
The Contract Drawings  
The Contract Special Provisions  
The Contract Special Instructions  
The Contract Special Conditions  
The City of Battle Creek General Contract 19-08

### 3. Special Conditions

The purpose of Special Conditions, Special Instructions, and Project Specifications are to change, delete, clarify or add to General Conditions, General Instructions or General Specifications found in GENERAL CONTRACT SPECIFICATIONS BC 19-08, issued 1998. Only those items addressed in Special Conditions, Special Instructions, or Project Provisions are affected. All other conditions in General Conditions, General Instructions and General Specifications still apply. Special Conditions, Special Instructions, Project Specifications, supersedes General Conditions, General Instructions and General Specifications, and in all cases shall take precedence.

### 4. Registration Requirements for Contractors

All bidders, including General Contractors and Specialty Contractors, shall hold or obtain such Contractors or Business Licenses as required State and Local statutes.

### 5. Currency

Prices calculated by the bidder shall be stated in U.S. dollars.

### 6. Unit Price

When the Bid for the work is to be submitted on a unit price basis, unit price Bids will be accepted on all items of work set forth in the Bid, except those designated to be paid for as a lump sum. The estimated of quantities of work to be done is tabulated in the Bid and although stated with as much accuracy as possible, are approximate only and is assumed solely for the basis of calculation upon which the award of Contract shall be made. Payment to the Contractor will be made on the measurement of the work actually performed by the Contractor as specified in the Contract Documents. Unit prices will prevail in event of discrepancy and in bid tabulations.

### 7. Liquidated Damages

Failure of the Contractor to complete the work within the time allowed will result in damages being sustained by the City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. Unless otherwise provided in the Special Conditions, the Contractor will pay to the City for the liquidated damages and not as penalty *one thousand three hundred dollars (\$1300.00)* for each calendar day of delay in finishing the work in excess of the time specified for completion, plus any Contractor will pay the City for the liquidated damages herein before mentioned are in lieu of the actual damages arising from such breaches of this contract; which said sums the City shall have the right to deduct from any monies in its hands, otherwise due, or to become due, to said Contractor or to sue for and recover compensation or damages for non performance of this Contract at the time stipulated herein and provided for. The attention of bidders is directed to the provisions and the General Conditions of contract requiring the Contractor to pay for all excess cost of field engineering and inspection as therein defined.

### 8. Listing of Subcontractors

Failure to list subcontractors and major suppliers, where feasible, may be cause for rejection of the Bidder's Bid as non-responsive.

### 9. Non-collusion:

By signing the Offer to Contract, the bidder, by its officers and authorized agents or representatives present at the time of filing this bid, being duly sworn on their oaths say, that neither they nor any of them have in any way, directly or indirectly entered into any arrangement or agreement with any other bidder or with any public officer of such City of Battle Creek, Michigan, whereby such affidavit or affiants or either of them has paid or is to pay to such other bidder or public officer any sum of money, or has given or is to give to such other bidder or public officer anything of value whatever, or such affidavit or affiants or either of them has not directly or indirectly, entered into any arrangement or agreement with any other bidder or bidders, which tends to or does lessen or destroy free competition in the letting of the contract sought for by the attached bids, that no inducement of any form or character other than that which appears on the face of the bid will be suggested, offered, paid or delivered to any person whomsoever to influence the acceptance of the bid or awarding of the contract, nor has this bidder any agreement or understanding of any kind whatsoever, with any person whomsoever to pay, deliver to, or share with any other person in any way or manner, any of the proceeds of the contract sought by this bid.

10. Contractor's Insurance

a. The Contractor shall at the time of execution of this contract, file with the City the Certificate of Insurance, which shall cover all of his insurance as required herein, including evidence of payment of premiums thereon, and the policy or policies or insurance covering said City and their officers, agents and employees. Each such policy and certificate shall be satisfactory to the City. Nothing contained in these insurance requirements is to be construed as limiting the extent of the Contractor's responsibility for payment of damages resulting from his operations under this Contract. The contractor shall maintain insurances in force at all times during the term of this agreement at the minimum amounts and types as indicated.

| <u>Coverage Afforded</u>                       | <u>Limits of Liability</u>    |
|--|-------------------------------|
| Workers' Compensation:                         | \$ 100,000 or statutory limit |
| Commercial General Liability: Bodily Injury    | \$1,000,000 each occurrence   |
| (including XCU if appropriate) Property Damage | \$1,000,000 each occurrence   |
| or Combined Single Limit                       | \$2,000,000                   |
| Automobile Liability: Bodily Injury            | \$ 300,000 each person        |
| Liability                                      | \$ 500,000 each occurrence    |
| Property Damage                                | \$ 500,000                    |
| or Combined Single Limit                       | \$ 500,000                    |

The City of Battle Creek shall be listed as an additional insured on general liability coverage, and shall be provided with a Certificate of Insurance that reflects this additional insured status. A 30-day notice of cancellation or material change shall be provided to the City and so noted on the Certificate of Insurance. All certificates and notices shall be sent to City of Battle Creek, 10 N. Division, Suite 214, Battle Creek, MI 49014.

11. Vendor Evaluation: Experience with the City shall be taken into consideration when evaluating responsibility of the vendor.

12. Permits: Contractor shall secure all necessary permits to complete the work as described in this IFB. These costs shall be included in the bid price.

13. Michigan Constitutional Requirement:

a). Notwithstanding any provision in this Contract to the contrary, and in accordance with Article I, Section 26 of the Michigan Constitution as adopted by the electorate November 7, 2006, the City and its general contractors shall not discriminate against, or grant preferential treatment to, any individual or group on the basis of race, sex, color, ethnicity, or national origin in the operation of this Contract.

b). This section shall not prohibit any action that must be taken to establish or maintain eligibility for any federal program if ineligibility would result in a loss of federal funds in connection with this Contract, nor shall this section be interpreted as prohibiting bona fide qualifications based on sex that are reasonable necessary to the execution of this Contract.

c). In the event of conflict between any term of this Contract and this section, the language of this section shall control.

d) "Any party bringing a legal action or proceeding against any other party arising out of or relating to this Agreement or the transactions it contemplates shall bring the legal action or proceeding: (i) in the United States District Court for the Western District of Michigan; or (ii) in any court of the State of Michigan sitting in Calhoun County, if there is no federal subject matter jurisdiction."

**SECTION II – OFFER TO CONTRACT**

DATE: \_\_\_\_\_

NAME OF BIDDER: \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

To: The City of Battle Creek, Michigan

The undersigned, as Bidder, declares that the only person or parties interested in this bid as principals are those named herein; that this bid is made without collusion with any person, firm or corporation; that he has carefully examined the location of the proposed work, the proposed forms of Agreement and Bonds, and the Contract Drawings and Specifications for the above designated work, all other documents referred to or mentioned in the Contract Documents, the Contract Drawings and Specifications, including Addenda issued thereto; and he proposes and agrees if this bid is accepted that he will contract with the City of Battle Creek, Michigan, in the form of the copy of the Agreement included in these Contract Documents, to provide all necessary machinery, tools, apparatus, and other means of construction, including utility and transportation services necessary to do all the work and furnish all materials and equipment specified or referred to in the Contract Documents, in the manner and time therein prescribed and according to the requirements of the City of Battle Creek, Michigan, as therein set forth and to furnish the Contractor's Bonds and Insurance, and to do all other things required of the Contractor by the Contract Documents, and that he will take in full payment therefore the sums set forth BELOW;

A bid must be made on each item with no qualifying statement(s). Bidder acknowledges that quantities are not guaranteed and final payment will be based on actual quantities determined as provided in the Contract Documents. All specific cash allowances are included in the prices set forth below and have been computed in accordance with the Contract Documents.

Acknowledgement of addenda: \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_; \_\_\_\_\_

**2017 Capital Preventative Maintenance Program –# 2017-060B**  
 (Quantities Indicated Are Approximate Only)

| ITEM NO. | ESTIMATED QUANTITIES | UNIT | DESCRIPTION OF WORK                                      | UNIT PRICE | ITEM TOTAL |
|----------|----------------------|------|--|------------|------------|
| 1        | 1.00                 | LSUM | Mobilization, Max 5%                                     |            |            |
| 2        | 4.00                 | Ea   | Tree, Rem, 19 inch to 36 inch                            |            |            |
| 3        | 850.00               | Syd  | Sidewalk, Rem  |            |            |
| 4        | 65.00                | Syd  | Driveway, Nonreinf Conc, 6 inch                          |            |            |
| 5        | 6,200.00             | Sft  | Sidewalk, Conc, 4 inch                                   |            |            |
| 6        | 700.00               | Sft  | Sidewalk, Conc, 6 inch                                   |            |            |
| 7        | 17.65                | Lnmi | Overband Crack Fill, Lane                                |            |            |
| 8        | 68,000.00            | Syd  | Micro-Surface, Single Cse , Special                      |            |            |
| 9        | 16,500.00            | Ft   | _ Seal HMA Curb, Slurry                                  |            |            |
| 10       | 38,000.00            | Syd  | _ HMA Surface, HIPR                                      |            |            |
| 11       | 271,200.00           | Syd  | Seal, Single Chip  |            |            |
| 12       | 79,900.00            | Syd  | Seal, Single Chip , Modified                             |            |            |
| 13       | 271,200.00           | Syd  | _ Fog Seal, Special                                      |            |            |
| 14       | 15                   | Ea   | Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike  |            |            |
| 15       | 15                   | Ea   | Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym            |            |            |
| 16       | 9                    | Ea   | Pavt Mrkg, Ovly Cold Plastic, Lt Turn Arrow Sym          |            |            |
| 17       | 7                    | Ea   | Pavt Mrkg, Ovly Cold Plastic, Only                       |            |            |
| 18       | 3                    | Ea   | Pavt Mrkg, Ovly Cold Plastic, Rt Turn Arrow Sym          |            |            |
| 19       | 1                    | Ea   | Pavt Mrkg, Ovly Cold Plastic, School                     |            |            |
| 20       | 2                    | Ea   | Pavt Mrkg, Ovly Cold Plastic, Thru and Rt Turn Arrow Sym |            |            |
| 21       | 3300                 | Ft   | Pavt Mrkg, Thermopl, 6 inch, Crosswalk                   |            |            |
| 22       | 280                  | Ft   | Pavt Mrkg, Thermopl, 12 inch, Crosswalk                  |            |            |
| 23       | 1130                 | Ft   | Pavt Mrkg, Thermopl, 24 inch, Stop Bar                   |            |            |
| 24       | 28150                | Ft   | Pavt Mrkg, Waterborne, 4 inch, White                     |            |            |
| 25       | 36600                | Ft   | Pavt Mrkg, Waterborne, 4 inch, Yellow                    |            |            |
| 26       | 570                  | Ea   | Raised Pavt Marker, Temp, Type 1, White, Monodirectional |            |            |
| 27       | 740                  | Ea   | Raised Pavt Marker, Temp, Type 1, Yellow, Bidirectional  |            |            |
| 28       | 1                    | LSUM | _ Traffic Maintenance and Control                        |            |            |
| 29       | 2000                 | Syd  | _ Turf Establishment, Special                            |            |            |
| 30       | 1                    | LSUM | Project Cleanup  |            |            |

**TOTAL BASE BID \$ \_\_\_\_\_**

**BID CONDITIONS**

It is expressly understood and agreed that the total base bid as reflected on the attached Bidding Schedule is the basis for establishing the amount of the bid security on this bid and that this total base bid is not to be construed a Lump Sum Bid. It is further understood that quantities in the Bidding Schedule for unit price items are approximate only, and that payment of a contract will be made only on the actual quantities or work completed in place, measured on the basis defined in the General Provisions, Contract Specifications or other Contract Documents.

The undersigned has carefully checked the attached Bidding Schedule against the Contract Drawings and Specifications and other Contract Documents before preparing this Bid and accepts the said quantities to be substantially correct, both as to classification and amount, and as correctly listing the complete work to be done in accordance with the Contract Drawings, Specifications and other Contract Documents.

**BID SECURITY**

Accompanying this bid is a \_\_\_\_\_ in the amount of five percent (5%) or \_\_\_\_\_ Dollars (\$\_\_\_\_\_). The total amount of bid security is based on the total base bid of this Bid.

**COMPLETION**

If awarded a contract under this Bid, the undersigned agrees to start work at the site July 3, 2017. The undersigned further agrees to complete the project by October 2, 2017.

**LIQUIDATED DAMAGES**

Liquidated damages of \$1300.00 per calendar day will be assessed for failure to meet any deadline, as noted in the Project Specifications.

**BIDDER'S SIGNATURE:** Complete the applicable paragraph below.

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder, and that our firm is not debarred from doing business under the Federal Excluded Parties List System (epls.gov).

I, the Contractor or Contractor's legally authorized signer, further certify compliance with the City of Battle Creek Ordinance Chapter 214, Discrimination Prohibited. I further acknowledge and agree that the Contractor's violation of Chapter 214 shall be a material breach of this contract. In addition, Contractor acknowledges and agrees that it shall be liable for any costs or expenses incurred by the City in obtaining from other sources, the work and services to be rendered or performed or the goods or properties to be furnished or delivered to the City under the contract as a result of a material breach in the Contract for violations of Chapter 214.

**(a) Corporation**

The bidder is a corporation organized and existing under the State of \_\_\_\_\_, which operates under the legal name of \_\_\_\_\_, and the full names of its officers are as follows:

President: \_\_\_\_\_  
Secretary: \_\_\_\_\_  
Treasurer: \_\_\_\_\_  
Manager: \_\_\_\_\_

**(b) Co-Partnership**

The bidder is a co-partnership consisting of individual partners whose full names are as follows:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**(c) Individual**

The bidder is an individual whose full name is \_\_\_\_\_ and, if operating under a trade name, said trade name is \_\_\_\_\_.

NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
CITY & STATE: \_\_\_\_\_

**THIS BID OFFERED BY:**

SIGNATURE: \_\_\_\_\_  
NAME: \_\_\_\_\_  
TITLE: \_\_\_\_\_  
PHONE: \_\_\_\_\_  
FAX: \_\_\_\_\_  
EMAIL: \_\_\_\_\_

(SEAL)

Subscribed and sworn to before me this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Notary Public  
County of \_\_\_\_\_  
Commission Expires: \_\_\_\_\_

**SECTION III - CONTRACTOR'S BID FORMS**

THESE FORMS MUST BE RETURNED WITH THE BID

**TABLE OF CONTENTS**

CONTRACTOR'S BID BOND

CORPORATION CERTIFICATE

SUBCONTRACTOR AND DBE FORM

STATEMENT OF EXPERIENCE OF BIDDERS

### CONTRACTOR'S BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, \_\_\_\_\_, (hereinafter called the "Principal"), and \_\_\_\_\_ (hereinafter called the "Principal"), and \_\_\_\_\_ hereinafter called the "Surety"), a corporation chartered and existing under the laws of the State of \_\_\_\_\_, with its principal offices in the City of \_\_\_\_\_ and authorized to do business in the State of Michigan, are held and firmly bound unto the City of Battle Creek (hereinafter called the "Owner"), in the full and just sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_) good and lawful money of the United States of America, to be paid upon demand of the Owner, to which payment well and truly to be made, the Principal and Surety bind themselves, their heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents.

WHEREAS, the Principal is about to submit, or has submitted to the Owner, a Bid for furnishing all labor, materials, equipment and incidentals necessary to complete this contract.

WHEREAS, the Principal desires to file this bond in accordance with law, in lieu of a certified bidder's check otherwise required to accompany this Bid.

NOW, THEREFORE: The conditions of this obligation are such that if the Bid be accepted, the Principal shall, within ten (10) days after the date of receipt of a written notice of award of contract, execute a contract in accordance with the Bid and upon the terms, conditions and price(s) set forth therein, of the form and manner required by the Owner, and execute a sufficient and satisfactory contract performance bond payable to the Owner, and in an amount of One Hundred Percent (100%) of the total contract price in the form and with security satisfactory to said Owner, then this obligation to be void; otherwise to be and remain in full force and virtue in law; and the Surety shall, upon failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid Owner, upon demand, the amount hereof in good and lawful money of the United States of America, not as a penalty but as liquidated damages.

IN TESTIMONY THEREOF, the Principal and Surety have caused these presents to be duly signed and sealed this \_  
\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Principal

By: \_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Surety

By: \_\_\_\_\_  
(Seal)

Countersigned: \_\_\_\_\_

**CERTIFICATE TO BE EXECUTED**

**IF**

**CONTRACTOR IS A CORPORATION**

I, \_\_\_\_\_, certify that I am the \_\_\_\_\_ of the Corporation named as Contractor hereinabove; that \_\_\_\_\_ who signed the foregoing Agreement on behalf of the Contractor was then the \_\_\_\_\_ of said Corporation; that said Agreement was duly signed for and in behalf of said Corporation by authority of its governing body and is within the scope of its corporate powers.

\_\_\_\_\_

(Corporate Seal)

**SUBCONTRACTOR AND DBE FORM – submit with bid**

**I. YOUR FIRM'S BACKGROUND:**

Is your firm an MBE (at least 51% minority ownership)?  YES  NO

Is your firm a WBE (at least 51% woman ownership)?  YES  NO

Are you subcontracting any part of this project?  YES  NO

**II. SUBCONTRACTING INFORMATION:** If subcontracting any part of the project, the bidder/contractor expressly agrees that:

- (1) If awarded a contract as a result of this bid, the major subcontractors used in the prosecution of the work will be those listed below, and
- (2) The following list includes all subcontractors who will perform work representing approximately five percent (5%) or more of the Total Base Bid.
- (3) The Bidder represents that the subcontractors listed below are financially responsible and are qualified to do the work required.

| SUBCONTRACTOR NAME | City/State | Trade or Commodity | MBE | WBE | Approximate dollar value |
|--------------------|------------|--------------------|-----|-----|--------------------------|
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |
| _____              | _____      | _____              | Y/N | Y/N | \$ _____                 |

**III. DBE RECRUITMENT ACTIVITY LOG:** List the MBE's and WBE's that were approached about being a subcontractor for this job, but who are NOT listed above as a subcontractor.

| NAME OF FIRM APPROACHED, BUT NOT USED ON THIS PROJECT | City/State | Trade or Commodity | MBE | WBE | Reason not used on this project |
|---|------------|--------------------|-----|-----|---------------------------------|
| _____   | _____      | _____              | Y/N | Y/N | _____                           |
| _____   | _____      | _____              | Y/N | Y/N | _____                           |
| _____   | _____      | _____              | Y/N | Y/N | _____                           |
| _____   | _____      | _____              | Y/N | Y/N | _____                           |

**STATEMENT OF EXPERIENCE OF BIDDER**

The Bidder shall state below the work of similar magnitude or character that he has done, and shall give references that will enable the City of Battle Creek to judge his experience, skill and business standing and of his ability to conduct the work as completely and as rapidly as required under the terms of this contract.

**PROJECT AND LOCATION**

**REFERENCES (include name and phone number)**

(1)

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(2)

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(3)

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(4)

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(5)

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(6)

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(7)

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**SECTION IV - CONTRACTOR'S CONTRACT FORMS**

THESE FORMS WILL BE REQUIRED FOR AWARD

CONTRACT FORM

PERFORMANCE BOND

LABOR AND MATERIAL BOND

**CONTRACT FORM**  
**CONTRACT NO. 2017-060B**  
**2017 CAPITAL PREVENTATIVE MAINTENANCE PROGRAM**

THIS AGREEMENT, made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, 2017, by and between \_\_\_\_\_ hereinafter called the "Contractor" and the City of Battle Creek, hereinafter called the "Owner."

WITNESSETH: In consideration for the mutual covenants hereinafter stated, the parties agree for themselves, their personal representatives, successors, assigns as follows:

I. The Contractor promises and agrees:

A. To furnish all materials, construction water, equipment, tools, dewatering devices, skill and labor of every description necessary or reasonable incidental to carrying forth and completing in good, firm, substantial and workmanlike manner, the work specified, in strict conformity with the true intent of the NOTICE TO BIDDERS, SPECIAL INSTRUCTIONS, GENERAL INSTRUCTIONS, BID, SPECIAL CONDITIONS, GENERAL CONDITIONS, AGREEMENT, BONDS, GENERAL SPECIFICATIONS, and Project Specifications, and other contract documents and addenda thereto, which are hereby made a part hereof as fully and to the same effect as though they had been set forth at length herein.

B. To commence work under this contract on or before a date to be specified by the owner in a written Notice to Proceed and complete the project by the date specified in Bid.

C. Requirements for a specific trade or contract will generally be described in that portion of the specifications or drawings related to that trade or contract. Such requirements may, however, be described in other sections of the Contract Documents. The Contractor will be held responsible for having carefully examined all drawings and read all requirements of the specifications and all Contract Documents to avoid omissions or duplications and to insure a complete job.

D. The Contractor must be fully informed about conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his contract.

E. Any claim by the Contractor of an inability to meet any requirement set forth in the Contract Documents, or that any requirement of these documents is impractical or unreasonable, will not be recognized, unless the claim was made at the time his Bid was submitted, and specific provision is made for such claim in the Agreement between Owner and Contractor (Bid and Agreement).

F. Warranty: Contractor shall remove and replace at no additional cost to the City any defects in workmanship or materials which may be apparent or may develop within a period of one (1) year from the date of final acceptance.

II. The Owner promises and agrees:

A. To pay the Contractor for said work when completed in accordance with the provisions of these contract documents, and for the contract sum of:

\_\_\_\_\_ dollars (\$\_\_\_\_\_).

Payment for work is subject to additions provided therein and for the authorized work complete in place and accepted by the Owner or its authorized representatives.

III. It is further understood and agreed between the parties hereto as follows:

A. The said work is to be done in accordance with the laws of the State of Michigan to the entire satisfaction and approval of the Owner or its duly authorized representatives.

B. The decision of said Owner's authorized representative upon any questions connected with the execution of this Agreement or any failure or delay in the prosecution of the work by said Contractor shall be final and conclusive.

C. If, at any time after the execution of the Agreement and the Bond for its faithful performance, the Owner shall deem the surety or sureties then upon said bond to be unsatisfactory or, if, for any reason said bond shall cease to be adequate security for the performance of the work, the Contractor shall, at his expense, within fifteen (15) calendar days after receipt of written notice from the Owner to do so, furnish an additional bond or bonds in such form and amount and with such surety or sureties as shall be satisfactory to the Owner. In such event, no further payment to the Contractor shall be deemed to be due under this Agreement until such new or additional security for the faithful performance of the work shall be furnished in a manner and form satisfactory to the Owner.

D. VENUE: Any party bringing a legal action or proceeding against any other party arising out of or relating to this Agreement or the transactions it contemplates shall bring the legal action or proceeding:

(i) in the United States District Court for the Western District of Michigan; or

(ii) in any court of the State of Michigan sitting in Calhoun County, if there is no federal subject matter jurisdiction.

IN WITNESS WHEREOF, the said parties have hereunto set their hands and affixed their seals, the day and year first above written.

STATE OF MICHIGAN)  
                  ) ss  
COUNTY OF CALHOUN)

In the Presence of:

\_\_\_\_\_

\_\_\_\_\_  
Notary Public

SIGNED, SEALED, AND  
EXECUTED BY CONTRACTOR:

**I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder, and that our firm is not debarred from doing business under the Federal Excluded Parties List System (epls.gov):**

By: \_\_\_\_\_

Title: \_\_\_\_\_

CONTRACT FORM APPROVED BY:

\_\_\_\_\_  
City Attorney

SIGNED, SEALED, & EXECUTED  
BY CITY OF BATTLE CREEK

\_\_\_\_\_  
City Manager

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_, as Principal, and \_\_\_\_\_, as Surety, are held and firmly bound unto the City of Battle Creek in the full and just sum of \_\_\_\_\_ Dollars (\$\_\_\_\_\_) lawful money of the United States of America for the payment of which sum of money well and truly to be made, we bind ourselves, heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has entered into a certain written contract dated the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_ for the \_\_\_\_\_ complete, as described in the foregoing Bid and Agreement.

NOW THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that if the said Principal shall in all respects well and truly keep and perform the said contract, and shall pay all sums of money due or to become due, for any labor, materials, apparatus, fixtures or equipment furnished for the purpose of constructing the work provided in said contract, and shall defend, indemnify and save harmless said City of Battle Creek against any liens, encumbrances, damages, claims, demands, expenses, costs and charges of every kind except as otherwise provided in said specifications and other Contract Documents arising out of or in relation to the performance of said work and the provisions of said contract, and shall remove and replace any defects in workmanship or materials which may be apparent or may develop within a period of one (1) year from the date of final acceptance, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

And the said Surety, for value received, hereby stipulates and agreed that no change, extension of time, alteration or addition to the terms of the contract or to work to be performed thereunder or the specifications accompanying the same shall in any wise affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Agreement or to the work or to the specifications.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_.

**PRINCIPAL ATTEST:**

\_\_\_\_\_  
Principal Business Name

\_\_\_\_\_  
Principal Secretary Signature & Seal

\_\_\_\_\_  
Address

\_\_\_\_\_  
Principal Secretary Printed Name

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Witness of Principal

**SURETY ATTEST:**

\_\_\_\_\_  
Surety Business Name

BY: \_\_\_\_\_  
Attorney-in-Fact Signature & Seal

\_\_\_\_\_  
Address

\_\_\_\_\_  
Attorney-in-Fact Printed Name

\_\_\_\_\_  
City, State, Zip

**LABOR AND MATERIALS BOND**

KNOW ALL MEN BY THESE PRESENT, that we, the undersigned, \_\_\_\_\_, hereinafter called the "Principal," and \_\_\_\_\_, a corporation organized and existing under the laws of the State of \_\_\_\_\_, having its principal office at \_\_\_\_\_, hereinafter called the "Surety," are held and firmly bound unto the City of Battle Creek, hereinafter called the "Owner," for use of any and every person, co-partnership, association or corporation interested in the full and just sum of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), lawful money of the United States of America, to be paid to the said obligees or its or their assigns, to which payment well and truly to be made we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents. Sealed with our respective seals and dated this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

WHEREAS, the above bounded \_\_\_\_\_, Principal, has entered into a contract with the City of Battle Creek.

Dated the \_\_\_\_ day of \_\_\_\_\_, 20\_\_, for the \_\_\_\_\_.

NOW, THEREFORE, THE CONDITION OF THIS CONDITION IS SUCH, that if the above bounded Principal shall and will promptly pay or cause to be paid all sums of money which may be due any person, co-partnership, association or corporation for all material furnished and labor supplied or performed in the prosecution of the work, whether or not the said material or labor enter into and become component parts of the work or improvement contemplated, then this obligation to be void; otherwise to remain in full force and effect.

The Principal and Surety further jointly and severally agree with the obligee herein that every person, co-partnership, association or corporation who, whether as subcontractor or otherwise, has furnished material or supplied or performed labor in the prosecution of the work as above provided and who has not been paid therefore may sue in assumption on this bond in the name of the Owner for his, their, or its use, prosecute the same to final judgment for such sum or sums as may be justly due him, them, or it, and have execution thereon, provided, however, that the Owner shall not be liable for payment of any costs or expenses of any such suit.

IT IS FURTHER AGREED, that any alterations which may be made in the terms of the contract or in the work to be done or materials to be furnished or labor to be supplied or performed under it or the giving by the Owner or any extension of time for the performance of the contract or any other forbearance on the part of either the Owner or the Principal to the other, shall not in any way release the Principal and Surety or Sureties or either or any of them their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the Surety or Sureties of any such alteration, extension or forbearance being hereby waived.

IN WITNESS WHEREOF, the said Principal and Surety have duly executed this bond under the seal and day and year first above written.

ATTEST:

\_\_\_\_\_  
(Seal)

\_\_\_\_\_  
Principal

BY: \_\_\_\_\_

\_\_\_\_\_  
Surety

ATTEST

\_\_\_\_\_

BY: \_\_\_\_\_  
Attorney-in-Fact

(SEAL)

## SECTION V - SPECIAL CONDITIONS

1. Supplementary Definitions: The following additional definitions supplement the definitions included in the General Contract Specifications BC 19-08, Paragraph I-1 of the General Conditions of Contract:

(a) "Owner" or "City of Battle Creek" or "City" shall mean the City of Battle Creek, MI, acting through the City Commission or any other board official, or officials to which or whom the power belonging to the Commission shall, by virtue of any act or acts thereafter passed are held to appertain.

(b) "Engineer" shall mean the City Engineer, or other persons designated by the City acting directly or through authorized agents.

2. Contract Drawings: The drawings applicable to the work to be performed under this contract and which are referred to in this documents as the plans or as the contract drawings.

3. Photographs: Construction photographs will not be required.

The location of existing piping and underground utilities, such as gas mains, electric duct lines, etc., as shown on the Contract Drawings has been determined from the best available information by actual surveys or furnished and taken from the records of the parent utility companies and drawings of the existing facilities. However, the City does not assume responsibility that during construction utilities other than those shown may be different from the locations designated on the Contract Drawings.

At locations where detailed positions of these facilities become necessary to the new construction, the Contractor shall, at his own expense, furnish all labor and tools to either verify and substantiate the record drawing locations or definitely establish the position of the facilities.

4. Insurance: The Public Liability and Property Damage Insurance shall also include the following coverages:

Contractor's Protection (Subcontractors to the Contractor)  
Products - Completed Operations.

5. Responsibility to the Public: Before every construction operation that will substantially affect area residents and businesses adjacent to the project site (such as business driveway closures, mailbox relocation, etc.) the Contractor will attempt to notify those residents and businesses affected. Notification may be verbal or by door hanger notices. The City will provide preprinted door hanger material to carry the Contractor's message. The responsibility for filling out the door hangers and distributing them rests with the Contractor. Payment for this work is included in the payments for other items of work.

6. Accident Reports From Contractor: The Contractor shall furnish to the City copies of the reports of all accidents occurring at the construction sites from beginning to completion of his work under this contract.

7. Location and Marking Underground Utilities: The Contractor shall be responsible for contacting the Calhoun County Construction and Utilities Association (MISS DIG) 72 hours prior to starting construction for the location and marking of all underground utilities.

8. Paving Operations-Last Loads: It is the responsibility of the Contractor to determine the amount of material used to complete a specific project or to conclude a day's construction. Therefore, the City will not pay for an entire truck load if not used to complete the work.

A method of measurement mutually agreeable to both the City and the Contractor to determine the portion of the truckload placed will be determined before paving operations begin.

9. Street Sweeping: If the Contractor requests the City to sweep a street under construction, the Contractor shall give to the Engineer a written request for such service at least 24 hours in advance. Billing for this service will be handled by the City's Public Service Department. VACUUM SWEEPING ONLY SHALL BE PERFORMED ON THIS PROJECT.

10. Dust Control: The contractor shall furnish, install and use appropriate measures to control dust at the construction site at all times. If appropriate measures are not taken in the opinion of the engineer, the city may use its own force to control the dust and all charges for doing so will be charged to the contractor.

11. Driveway Access: Special consideration shall be made by project Contractor to minimize the obstruction of driveways along the project. The Contractor shall maintain traffic, both in and out, during the entire project.

12. Traffic Signs: Contractor shall remove and stockpile all existing traffic signs at the direction of the engineer in the field. (Incidental to the project.)

13. Restoration: The contractor shall grade all disturbed areas around new sidewalk within 48 hours of placement of same.

14. Butt-Joints: The Contractor will be required to construct a butt joint at all construction paving limits adjoining existing roads. This will include sawcutting the joint to expose a minimum of 1.5-inch vertical face the entire width of the adjoining existing street. This shall also include all intersections along the construction limits. The sawcutting will be incidental to the project.

15. Property Corners: All property irons, monuments, benchmarks, section and quarter section monuments that are removed or disturbed during construction shall be replaced by a Registered Land Surveyor, and documented on all drawings. This shall be the responsibility of the Contractor and the cost considered included in Project Cleanup.

16. Soil Erosion and Sedimentation Control: All permits required shall be taken out by the Owner. Any work and materials determined by the Engineer to be required, that are not pay items in the contract, shall be provided by the Contractor according to MDOT specification 2.13.03 and be incidental to the total project bid.

17. Test Boring: Test borings shall be provided by the Owner for Contractor's reference. Owner makes no guarantee of accuracy or variations of soil changes or ground water conditions between boring locations. Pavement thickness may also vary between boring locations.

18. Curb and Gutter Construction: The contractor shall allow all new curb and gutter construction 48 hours of curing time prior to placing bituminous mixture against this new curb and gutter. Also, the contractor will not be allowed to place any bituminous mixture on a given street, prior to the placement of all concrete curb and gutter marked for replacement.

19. CONTRACTOR STORM WATER REQUIREMENTS. The City of Battle Creek has a storm sewer system that is separate from its sanitary system. Storm water from the city's system drains directly to local waterways without typically being cleaned. The City of Battle Creek is subject to the requirements of the Phase II Storm Water Regulations (the "Phase II Regulations"), 33 USC 1251, et seq., published by the United States Environmental Protection Agency ("EPA") in the Federal Register on December 8, 1999. One of the requirements is to ensure that contractors performing work for the city be trained in illicit discharges and pollution prevention and good housekeeping. The following are the items each employee performing work for the City of Battle Creek must be trained on by his/her employer prior to work commencing:

General Requirements:

- Block or add best management practices to storm drains in all construction or project areas prior to any work commencing.
- A Soil Erosion and Sedimentation Control (SESC) permit is required for all sites within 500 feet of a lake, stream, or county drain; or if a site disturbs more than one acre of land. Any sedimentation and erosion control practices should be well defined and all expectations should be clarified in all projects.
- Clean or rinse all equipment in areas with a secure rinse pad or where wash water will not runoff into storm drains or surface waters.
- Inspect equipment daily and repair any leaks. Use drip pans or absorbent materials to contain leaks until repairs are made.
- Implement spill control and clean-up practices for leaks and spills from fueling, oil, or use of hazardous materials. Never allow a spill to enter the storm drain system.
- Use the least hazardous material available for all projects. When the use of hazardous materials is necessary, ensure proper use, storage, and disposal of these materials.
- Protect and maintain as much natural vegetation as possible during the project by phasing the project.

- Properly dispose of all debris and excavated soil material – do not place near storm drains, rivers, streams, wetlands, or any environmentally sensitive area.
- Minimize water use and control all storm water discharge where possible.
- Schedule activities for dry weather.

Illicit Discharges – all illicit discharges and illicit connections :

- Illicit discharges means any discharge to, or seepage into, a separate storm sewer that is not composed entirely of storm water or uncontaminated groundwater. Illicit discharges include non-storm water discharges through pipes or other physical connections; the dumping of motor vehicle fluids, household hazardous wastes, domestic animal wastes, or leaf litter; the collection and intentional dumping of grass clippings or leaf litter; or unauthorized discharges of sewage, industrial waste, restaurant wastes, or any other non-storm water waste directly into a separate storm sewer.
- Illicit connection means a physical connection to the MS4 that 1) primarily conveys illicit discharges into the MS4, or 2) is not authorized or permitted by the local authority.

Bridge and Stream Crossing:

- Use suspended netting or tarps to capture paint, rust, paint-removing agents, or other materials to prevent discharge of materials to surface waters.
- Properly manage concrete slurry produced from diamond grinding, concrete sawing, or drilling activities using as little water as possible. Cover storm drains completely with filter fabric or plastic during the activity and contain the slurry using straw bales, sandbags, or gravel dams around the storm drains. Slurry management for diamond grinding can often be handled on site, such as reusing the solids from the grinding process while the water is infiltrated in the road right-of-way. For sawing and drilling activities, prevent wastewater from entering storm drains and surface waters by directing it to vegetated areas or vacuuming it for proper disposal.
- Do not use coal tar emulsions to seal asphalt surfaces.
- Sweep grass clippings and leaves onto turf areas. Do not allow clippings or leaves to go into the City's municipal separate storm sewer system (MS4).
- The Manufactured Fertilizer Ordinance, Ordinance 13-07 – Chapter 650, must be adhered to should any project properties be fertilized.

**SECTION VI - SPECIAL PROVISIONS**

SEAL, SINGLE CHIP, MODIFIED ..... 22  
FOG SEAL ..... 24  
HOT-IN-PLACE RECYCLING (HIPR) HMA SURFACE ..... 25  
TURF ESTABLISHMENT, SPECIAL ..... 27  
TRAFFIC MAINTENANCE AND CONTROL ..... 28  
MICRO-SURFACING, SINGLE CSE, SPECIAL ..... 29  
SEAL HMA CURB, SLURRY ..... 30  
SWEEPING ..... 31  
SIDE WALKS ..... 32

## Special Provision For

### SEAL, SINGLE CHIP, MODIFIED

**a. Description.** This work consists of the application of a Seal, Single Chip in accordance with section 505 of the Standard Specification for construction, except as modified in this special provision. Seal, Single Chip, Modified pay item includes the application of a fog seal following the Seal, Single Chip as per contract documents except as modified in this special provision.

**b. Material.** The material must meet the following requirement:

- Asphalt Emulsion: CRS-2M ..... 904
- Asphalt Emulsion: CSS-1h ..... 904

Fine Aggregate shall be **Trap Rock** consistent with the following requirements for gradation and quality:

| Sieve Size       | % <i>Passing by Weight</i> | Job Mix Formula<br>Tolerance % |
|------------------|----------------------------|--------------------------------|
| ½ in [12.5 mm]   | 100                        | —                              |
| ¾ in [9.5 mm]    | 100                        | ± 5                            |
| ¼ in [6.3 mm]    | 0 - 80                     | ± 7                            |
| No. 4 [4.75mm]   | 0 - 50                     | ± 7                            |
| No. 8 [2.36 mm]  | 0 - 12                     | ± 4                            |
| No. 16 [1.18 mm] | 0 - 5                      | ± 4                            |
| No. 50 [300 µm]  | —                          | ± 4                            |
| No. 100 [150 µm] | —                          | ± 4                            |
| No. 200 [75 µm]  | 0.0 – 1.0                  | —                              |

| Material Tests                  | Fine Aggregate Durability<br>for Bituminous Seal Coat<br>Meeting the Requirements<br>of AASHTO T96 as<br>Modified |
|---------------------------------|---|
| Soft Particles, % MAX - MTM 110 | ≤ 5   |
| Percent Crushed, Min – MTM 117  | ≥ 80  |

**c. Equipment.**

1. **Street Sweeping.** Vacuum sweeping will only be permitted on this project.

**d. Application Rates.**

1. Apply Asphalt Emulsion CRS-2M for Seal, Single Chip, Modified at a rate of 0.25 to 0.32 gallons per square yard.
2. Apply Fine Aggregate Trap Rock at a rate of 15 pounds to 20 pounds per square yard.
3. Apply Asphalt Emulsion CSS-1h for fog seal at a rate of 0.08 to 0.12 gallons per square yard.

**e. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay items:

| <b>Pay Item</b>             | <b>Pay Unit</b> |
|-----------------------------|-----------------|
| Seal, Single Chip, Modified | Square Yard     |

**Special Provision  
For  
FOG SEAL**

***DESCRIPTION***

This work shall consist of sealing chip sealed pavements per Section 505 of the 2012 Michigan Department of Transportation Standard Specifications for Construction and the following provisions. Roads to be Fog Sealed are listed in Attachment A and shall be applied within 1 week of the application of chip seal, but not on the same day as the application of chip seal.

***MATERIALS***

The material must meet the following requirement:

Asphalt Emulsion: CSS-1h..... 904

***CONSTRUCTION***

Before applying the fog seal, the pavement surface must be clean of any foreign material besides the existing chip seal and dry with a temperature above 55° F. Apply the fog seal at a dilution rate of 50% (1:1) (equal parts water to equal parts emulsion) over the surface using a properly calibrated distributor truck. Recommended application rates for "Tight Surface Road" are 0.03-0.11 gal/yd<sup>2</sup> and 0.09-0.22 gal/yd<sup>2</sup> for "Open Surface Road". Definition(s) for a Tight Surface Road is of low absorbance and relatively smooth and for Open Surface Road is relatively porous and absorbent with open voids. If emulsion is not absorbed into the surface after 2-3 minutes, decrease the application rate until emulsion is absorbed in the 2-3 minute window. If surface has a look as it can absorb more emulsion, increase application rate to get adequate road coverage.

***MEASUREMENT AND PAVEMENT***

The completed work as measured for the Fog Seal will be paid for at the following contract item (pay item). The price shall be payment in full for furnishing all necessary labor, equipment, and materials.

**Pay Item**  
Fog Seal

**Pay Unit**  
Syd

**Special Provision  
For  
HOT-IN-PLACE RECYCLING (HIPR) HMA SURFACE**

**a. Description.** This work consists of recycling and rehabilitating existing asphalt pavement by heating, rejuvenating, scarifying, and compacting the existing HMA pavement surface. Perform this work according to the Michigan Department of Transportation 2012 Standard Specifications for Construction and as specified herein.

**b. Materials.** Furnish blended medium neutral asphalt extract rejuvenating compound with the following properties:

**REJUVENATING ASPHALT PROPERTIES**

| <b>Description</b>     | <b>Test Method</b> | <b>Value</b> |
|------------------------|--------------------|--------------|
| Viscosity @ 100°C, cSt | ASTM D 445         | 7.0 – 8.0    |
| Moisture, ppm          | ASTM D 6304        | 400 max.     |
| Specific Gravity       | ASTM D 70          | 0.92 – 0.98  |

Furnish General Certification for the Rejuvenating Asphalt material, to include a certificate of analysis for the specified properties, at least 10 business days prior to use.

**c. Construction.** Prior to commencing the hot-in-place recycling, clean and dry the entire surface to be rehabilitated, removing earth, vegetation, and any other foreign material. Perform hot-in-place recycling work only when the ambient air temperature is 50° F, or above, and is expected to remain above 50° F for the remainder of the workday.

Utilizing a continuous, one pass process, heat the surface of the existing bituminous pavement, apply rejuvenating asphalt, and scarify to a **0.15 ft (1.8 inch) nominal (1.5-inch minimum) depth**. Apply heat under an enclosed hood, extending at least four-inches beyond the proposed scarification width on both sides. Do not heat the existing pavement to a surface temperature exceeding 375° F.

Scarify the heated surface with pressure scarifiers equipped to scarify and move material away from the face of gutter pan to a depth of ½-inch by eight-inch wide. Operate the heating and scarifying process in tandem, not to exceed thirty (30) feet per minute.

Furnish a recycling machine equipped with an adjustable rejuvenating asphalt applicator with 0.02 to 0.15 gallons per square yard range, capable of accurately recording the total amount of rejuvenating asphalt used. Immediately before the scarifying operation, apply the approved rejuvenating asphalt evenly across the entire width of the heated pavement, per the manufacturer's recommended application rate. The rejuvenating asphalt application rate of 0.10 gallon per square yard is assumed for the purpose of bidding this project. The Engineer may adjust the application rate, or waive rejuvenating asphalt application altogether, based on existing pavement conditions or rehabilitation results.

Distribute the heated, modified, and scarified pavement material over the width being rehabilitated, so as to produce a uniform cross-section. Where adjacent to existing curb and gutter, screed away from gutters to leave approximately 1 inch reveal for matching the overlay (under a separate contract item) to the edge of gutter. Rake or grade treated material away from all match lines at intersecting streets and termini to form a butt joint as directed.

When a HIPR pass is being performed adjacent to a previously placed HIPR mat, the longitudinal repaving seam shall extend at least two-inches into the previously placed mat.

Ensure a 175° F minimum temperature of the heated, modified, and scarified pavement material exiting the back of the screed. Compact the recycled mat using an 8 or 10-ton steel wheel roller, equipped with a scraper device and water system to keep the wheels wet and prevent material pick-up, if encountered. Operate roller(s) in static mode, fully compacting the recycled mat before the mat temperature drops below 150° F.

Ensure depth of scarification and the quality of rehabilitated material by continually testing the process and resulting material. The Engineer will inspect, sample and test the rehabilitated material to ensure compliance with these specifications.

**d. Measurement and Payment.** The completed work for *HMA Surface, HIPR* will be measured in place by the square yard. Cost for Rejuvenating Asphalt will be included in the cost for *HMA Surface, HIPR*. Payment for *HMA Surface, HIPR* includes all equipment, materials, fuel, heating fuel, and labor to perform the work as described herein.

Pay Item

Pay Unit

HMA Surface, HIPR

Square Yard

**SPECIAL PROVISION  
FOR  
TURF ESTABLISHMENT, SPECIAL**  
1 of 1

**DESCRIPTION**

Turf Establishment, Special shall be per Section 816 of the 2012 Standard Specifications for Construction and will include placement of 3 inches topsoil, Chemical Fertilizer Nutrient-Class C, Seeding Mixture TUF, Mulch (straw), and Anchoring Mulch at the specified rates.

The salvaged topsoil material shall be free of rock and wood debris. Visible rocks, roots, branches, and other debris will be removed by the Contractor and consider included with this item. When salvaged topsoil is not suitable or there is not a sufficient amount for establishment, it is the contractor's responsibility to bring screened-topsoil as part of the pay-item.

Payment for watering turf will be not be paid separately, but considered included and necessary in this item to establish the turf once the seed has germinated.

A one-year period of establishment commencing at the completion of the initial planting season will be required for all grass. A growing season is defined as the months of June, July and August. All grass shall be in a healthy growing condition at the start of the establishment period. The Engineer will inspect the grass at the end of the first growing season to determine if grass is unacceptable. Unacceptable grass is defined as being dead, missing, unhealthy, or otherwise unsatisfactory at the time of inspection, or grass that was not planted in conformance with these specifications. At the contractor's cost, replacement grass shall be replanted after September 15 following the initial growing season or prior to May 10 of the following spring planting season. This replacement grass shall remain the responsibility of the general contractor of the original contract with no additional payment.

The Contractor will also be responsible for preparing the topsoil a second time prior to the re-establishment of grass following the initial growing season in any unacceptable areas. This will include complete removal of weeds, raking and leveling the prepared soil along with the removal of any rocks or roots.

**PAYMENT**

Turf establishment will be paid up to 2 Ft on either side of sidewalk unless agreed upon by the engineer. All work to prepare and place topsoil for the establishment of turf shall be paid at the appropriate contract unit prices for the following contract items (pay items):

**PAY ITEM**

Turf Establishment, Special

**PAY UNIT**

Square Yard

## **Special Provision For**

### **TRAFFIC MAINTENANCE AND CONTROL**

#### **DESCRIPTION**

Maintaining traffic shall be in accordance with Section 812 of the 2012 Michigan Department of Transportation Standard Specifications for Construction and these Special Provisions. All traffic control shall conform to the 2011 edition of the Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

Payment for traffic control devices will be made based on a lump sum for the maximum number of each device required at any one time during the life of the project. At a minimum, the Contractor will be required to provide barricades, plastic drums, and signage per Figure 6C-3 on page 559 of the MMUTCD along with personnel (equipped to communicate with each other) at the front, end, and at any intersecting street of the lane being treated as necessary to flag and control traffic. These costs shall be considered included in the lump sum price for Traffic Maintenance and Control. Damage from vehicular traffic to newly treated road shall be the Contractor's responsibility.

Contractor is responsible for maintaining traffic at all times while work is being performed. Access to residences and businesses affected by the treatment may be closed up to two hour (as explained in the notification) to allow treatment cure time to be completed. Access to emergency vehicles will be maintained at all times. Use of part width construction for maintaining traffic will be considered included in the Traffic Maintenance and Control pay item. Payment for the cost of temporary access roads and driveway approaches to the existing business and homes will not be made separately, but will be considered included in the prices bid for other items of work.

No work prior to the summer recess will be allowed on roads that contain a school. The Contractor shall notify all residences and businesses affected by the treatment within one day in advance by door hangers and other means as deemed necessary by the Engineer. Door hangers will be supplied by the City of Battle Creek with the Contractor to complete the date and time of treatment. The contractor shall notify the engineer when the first day of construction is planned no less than 72 hours prior to the start of the work. Following this correspondence, the engineer will issue a press release providing general notification to all of the city's residents of the planned work. No work shall be performed prior to the issuance of this press release.

#### **PAYMENT**

All work for Traffic Maintenance and Control shall be paid as a lump sum price, regardless of the number and type of traffic control devices used, per the following contract items (pay items):

| <b><u>Pay Item</u></b>                 | <b><u>Pay Unit</u></b> |
|--|------------------------|
| <b>Traffic Maintenance and Control</b> | <b>Lump Sum</b>        |

## **Special Provision For**

### **MICRO-SURFACING, SINGLE CSE, SPECIAL**

#### **SCOPE**

All Streets in this project are two-way with less than 2000 commercial ADT and shall receive a micro-surface treatment. Streets to receive treatment are listed in the "Attachment" section. The limits of each street shall be along the flow line of intersecting streets or as marked by the Engineer. The streets will be crack filled by the City of Battle Creek prior to receiving treatment. Any streets found with improper crack seals will require the Contractor to move to a different street while City crews repair improper crack seals. Improper crack seals will be determined by the Engineer and will include displacement of the material for the crack seal. Contractor shall allow 48-hours for the City of Battle Creek to make repairs.

Remobilization will be considered as having been included in the contract unit prices bid for other contract items.

The contract start date shall be ten days after the award of the contract or July 11, 2017, whichever is later. The Contractor will be allowed until October 2<sup>nd</sup> 2017 to complete the project. Prior to the start date, the Contractor will be required to attend a preconstruction meeting. At this meeting the contractor shall provide the Engineer with a tentative progress schedule detailing the days and times for performing work on the streets listed in the "Attachments". The Contractor shall be required to give the Engineer 72 hours notice to perform any work on a street and shall notify the residents as outlined in the Special Provision for Traffic Maintenance and Control.

Pavement markings for individual streets are shown in "Attachments" and shall be applied within 24 hours after the street receives treatment, otherwise placement of temporary pavement markings will be required at no additional cost to the contract. Permanent pavement markings will be paid separately.

#### **DESCRIPTION**

Micro-surface treatment to streets shall be per Section 504 of the Michigan Department of Transportation 2012 Standard Specification for Construction and these specifications.

#### **MATERIALS AND CONSTRUCTION**

Asphalt Emulsion for micro-surface treatments shall be CSS-1mM. Fine aggregates shall absorb enough asphalt that the product is black in appearance when completed. This shall be demonstrated per the test strip as described in Section 504.02 B.

Contractor shall clean off excess debris from manhole covers, water boxes, and monument boxes and demonstrate that structures can be opened after micro-surface treatment is performed.

#### **MEASURE AND PAYMENT**

The completed work as measured for micro-surface will be paid for at the contract unit price for the following contract item (pay item).

| <u>Pay Item</u>                    | <u>Pay Unit</u> |
|------------------------------------|-----------------|
| Micro-Surface, Single Cse, Special | Square Yard     |

Micro-surface will be measured by area in square yards measured in place. The length will be measured along the centerline of each roadway. The Engineer in conjunction with the Contractor shall measure the width.

Final payment will be made after the test results for extractions and aggregate gradations from the job samples are received, and also a report of actual yield.

## **Special Provision For**

### **SEAL HMA CURB, SLURRY**

**DESCRIPTION**

This item shall be used when streets that are to be micro-surfaced have a vertical HMA curb face, and only a hand application can be made to the curb. Winged curb and shoulders shall be micro-surfaced with the street and payment will be considered included with the "Micro-Surfacing, Single Cse, Special" pay item. Application to the HMA curb shall be done using an approved slurry seal mix and shall be placed prior to micro-surfacing the street. Crack sealing asphalt curbs will not be required.

**MATERIAL AND CONSTRUCTION**

Materials for slurry seal shall be per Section 506 of the Michigan Department of Transportation 2012 Standard Specification for Construction and these specifications. Fine aggregates, 2FA shall absorb enough asphalt that the product is black in appearance matching the micro-surfaced street. Contractor shall protect adjacent lawns, landscaping, mailboxes, drives, and other property from excess slurry.

**MEASUREMENT AND PAYMENT**

The completed work as measured for slurry sealing the HMA curb will be paid for at the following contract item (pay item). The price shall be payment in full for furnishing all necessary labor, equipment, and materials.

**Pay Item**

Seal HMA Curb, Slurry

**Pay Unit**

Foot

**Special Provision  
For  
SWEEPING**

**Description**

This work shall consist of sweeping pavements in the construction area per Section 505 of the 2012 Michigan Department of Transportation Standard Specifications for Construction and the following provisions. Sweeping shall include service roads and cross streets that are within the construction area and used by the contractor, or as directed by the Engineer.

**Equipment**

The initial sweeper shall be a motorized power broom to thoroughly clean the existing pavement prior to placing the chipseal. The follow up sweeper shall be a self-propelled vacuum type street sweeper equipped with pickup attachments and curb brushes.

**Sweeping**

Sweeping of curb and gutters shall be done 24 hours after the street is chipsealed. Excess stones along the roadway shall be swept up via vacuum sweeper after 5 days of the chipseal treatment and/or before fogseal application.

**Basis of Payment**

The work of sweeping will not be paid for separately, but considered included in the Project Cleanup pay item.

**Pay Item**  
Project Cleanup

**Pay Unit**  
Lump Sum

**SIDE WALKS**

| <b>Sidewalk Quantities</b> |                         | <b>4 IN LENGTH</b> | <b>4 IN sft</b> | <b>6 IN LENGTH</b> | <b>6 IN sft</b> | <b>DRIVE syd</b> | <b>CONC REM</b> | <b>M TREE</b> | <b>TURF</b> |
|----------------------------|-------------------------|--------------------|-----------------|--------------------|-----------------|------------------|-----------------|---------------|-------------|
| Ashley St                  | Margaret to Michigan    | 57                 | 256.5           | 15                 | 67.5            |                  | 36              |               |             |
| Burr St                    | Pleasant to Beckman     | 20                 | 80              |                    |                 |                  | 9               |               |             |
| Cliff St                   | Elm to east city limit  | 127.5              | 573.75          |                    |                 |                  | 63.75           |               |             |
| Colvin Ave                 | Michigan to north end   | 173                | 778.5           | 37                 | 166.5           | 42               | 147             | 1             |             |
| Lavista Blvd               | Territorial to Columbia | 133                | 532             |                    |                 |                  | 60              | 1             |             |
| Maple Grove Ave            | Capital to Wren         | 32.5               | 146.25          |                    |                 |                  | 16.25           |               |             |
| Mary St                    | Elm to Mott             | 485                | 2182.5          | 20                 | 90              |                  | 252.5           | 1             |             |
| Mott St                    | Mary to Cliff           | 355                | 1597.5          | 85                 | 382.5           | 20               | 240             |               |             |
| <b>TOTALS</b>              |                         | <b>1383</b>        | <b>6147</b>     | <b>157</b>         | <b>706.5</b>    | <b>62</b>        | <b>824.5</b>    | <b>3</b>      | <b>2000</b> |

## SECTION VII – LARA WAGES REQUIREMENTS OF THE PREVAILING WAGES ON STATE PROJECTS ACT, PUBLIC ACT 166 OF 1965

The State of Michigan determines prevailing rates pursuant to the Prevailing Wages on State Projects Act, Public Act 166 of 1965, as amended. The purpose of establishing prevailing rates is to provide minimum rates of pay that must be paid to workers on construction projects for which the state or a school district is the contracting agent and which is financed or financially supported by the state. By law, prevailing rates are compiled from the rates contained in collectively bargained agreements which cover the locations of the state projects. The official prevailing rate schedule provides an hourly rate which includes *wage and fringe benefit totals* for designated construction mechanic classifications. The overtime rates also include *wage and fringe benefit totals*. Please pay special attention to the overtime and premium pay requirements. Prevailing wage is satisfied when wages plus fringe benefits paid to a worker are equal to or greater than the required rate.

**State of Michigan responsibilities under the law:**• The department establishes the prevailing rate for each classification of construction mechanic *requested by a contracting agent* prior to contracts being let out for bid on a state project.

### **Contracting agent responsibilities under the law:**

- If a contract is not awarded or construction does not start within 90 days of the date of the issuance of rates, a re- determination of rates must be requested by the contracting agent.
- Rates for classifications needed but not provided on the Prevailing Rate Schedule, *must* be obtained *prior* to contracts being let out for bid on a state project.
- The contracting agent, by written notice to the contractor and the sureties of the contractor known to the contracting agent, may terminate the contractor's right to proceed with that part of the contract, for which less than the prevailing rates have been or will be paid, and may proceed to complete the contract by separate agreement with another contractor or otherwise, and the original contractor and his sureties shall be liable to the contracting agent for any excess costs occasioned thereby.

### **Contractor responsibilities under the law:**

- Every contractor and subcontractor shall keep posted on the construction site, in a conspicuous place, a copy of all prevailing rates prescribed in a contract.
- Every contractor and subcontractor shall keep an accurate record showing the name and occupation of and the actual wages and benefits paid to each construction mechanic employed by him in connection including certified payroll, as used in the industry, with said contract. This record shall be available for reasonable inspection by the contracting agent or the department.
- Each contractor or subcontractor is separately liable for the payment of the prevailing rate to its employees.
- The prime contractor is responsible for advising all subcontractors of the requirement to pay the prevailing rate prior to commencement of work.
- The prime contractor is secondarily liable for payment of prevailing rates that are not paid by a subcontractor.
- A construction mechanic *shall only* be paid the apprentice rate if registered with the United States Department of Labor, Bureau of Apprenticeship and Training and the rate is included in the contract.

### **Enforcement:**

A person who has information of an alleged prevailing wage violation on a state project may file a complaint with the State of Michigan. The department will investigate and attempt to resolve the complaint informally. During the course of an investigation, if the requested records and posting certification are not made available in compliance with Section 5 of Act 166, the investigation will be concluded and a referral to the Office of Attorney General for civil action will be made. The Office of Attorney General will pursue costs and fees associated with a lawsuit if filing is necessary to obtain records

**Informational Sheet: Prevailing Wages on State Projects  
 General Information Regarding Fringe Benefits**

**Certain** fringe benefits **may** be credited toward the payment of the Prevailing Wage Rate:

- If a fringe benefit is paid directly to a construction mechanic
- If a fringe benefit contribution or payment is made on behalf of a construction mechanic
- If a fringe benefit, which may be provided to a construction mechanic, is pursuant to a written contract or policy
- If a fringe benefit is paid into a fund, for a construction mechanic

When a fringe benefit is not paid by an hourly rate, the hourly credit will be calculated based on the annual value of the fringe benefit divided by 2080 hours per year (52 weeks @ 40 hours per week).

The following is an example of the types of fringe benefits allowed and how an hourly credit is calculated:

|                            |  |               |
|----------------------------|--|---------------|
| Vacation                   | 40 hours X \$14.00 per hour = \$560/2080 =             | \$ .27        |
| Dental insurance           | \$31.07 monthly premium X 12 mos. = \$372.84 /2080 =   | \$ .18        |
| Vision insurance           | \$5.38 monthly premium X 12 mos. = \$64.56/2080 =      | \$ .03        |
| Health insurance           | \$230.00 monthly premium X 12 mos. = \$2,760.00/2080 = | \$1.33        |
| Life insurance             | \$27.04 monthly premium X 12 mos. = \$324.48/2080 =    | \$ .16        |
| Tuition                    | \$500.00 annual cost/2080 =                            | \$ .24        |
| Bonus                      | 4 quarterly bonus/year x \$250 = \$1000.00/2080 =      | \$ .48        |
| 401k Employer Contribution | \$2000.00 total annual contribution/2080 =             | \$ .96        |
| <b>Total Hourly Credit</b> |  | <b>\$3.65</b> |

Other examples of the types of fringe benefits allowed:

- Sick pay
- Holiday pay
- Accidental Death & Dismemberment insurance premiums

The following are examples of items that **will not** be credited toward the payment of the Prevailing Wage Rate

- Legally required payments, such as:
  - Unemployment Insurance payments
  - Workers' Compensation Insurance payments
  - FICA (Social Security contributions, Medicare contributions)
- Reimbursable expenses, such as:
  - Clothing allowance or reimbursement
  - Uniform allowance or reimbursement
  - Gas allowance or reimbursement
  - Travel time or payment
  - Meals or lodging allowance or reimbursement
  - Per diem allowance or payment
- Other payments to or on behalf of a construction mechanic that are not wages or fringe benefits, such as:
  - Industry advancement funds
  - Financial or material loans

**OPERATING ENGINEERS CLASSIFICATION DESCRIPTIONS**

|                  |   |  |
|------------------|---|--|
| <b>Class I</b>   | Asphalt Paver (self-propelled)<br>Asphalt Planer (self-propelled)<br>Asphalt Plant Operator<br>Auto-Grader<br>Blade Grader Operator<br>Batch Plant (concrete-central mix)<br>Backhoe (with over 3/8 yard bucket)<br>Bulldozer Operator<br>Concrete Pump 3" and over<br>Conveyor Loader Operator (euclid type)<br>Crane Operator<br>Dragline Operator<br>Elevating Grader Operator<br>End-loader Operator (1 yard capacity or over)<br>Slip Form Paver<br>Finishing Machine Operator (asphalt)<br>Gradall Operator (and similar type machines)<br>Hoisting Engineer<br>Hydro demolisher (water blaster)<br>Locomotive Operator<br>Mechanic | Paver Operator (5 bags or more)<br>Pump Operator (6" discharge or over, gas, diesel powered, or generator of 300 amp or larger)<br>Pile Driving Operator<br>Roto Mill<br>Roller Operator (Asphalt)<br>Side Boom Tractor (type D-4, equivalent or larger)<br>Self-Propelled or Tractor Drawn Scraper<br><br>Slurry Machine (asphalt)<br>Swinging Boom Truck (over 12 ton capacity)<br>Shouldering or Gravel Distributing Machine Operator (self-propelled)<br>Shovel Operator<br>Side Boom Tractor (type D-4 or equivalent or larger)<br>Tractor Operator<br>Trenching Machine Operator (ladder or wheel type)<br>Tube Finisher (slip form paving)<br>Farm type tractor with attached pan |
| <b>Class II</b>  | Sweeper (wayne type & similar equipment)<br>Screening Plant Operator<br>Washing Plant Operator<br>Crusher Operator<br>Vacuum Truck Operator   | Backhoe (with 3/8 yard bucket or less)<br>Side Boom Tractor (smaller than D-4 type or equivalent)<br>Batch Plant (concrete-dry mix)  |
| <b>Class II</b>  | Grease Truck  |  |
| <b>Class III</b> | Air Compressor Operator (600 cfm or more)<br>Air Compressor (2 or more, less than 600 cfm)<br>Concrete Breaker<br>Tractor Operator (farm type with attachments)<br>Wagon Drill Operator   |  |
| <b>Class IV</b>  | Boiler Fireman<br>Oiler<br>End-loader Operator (under 1 yard capacity)<br>Roller Operator (other than asphalt)<br>Curing Equipment Operator (self-propelled)<br>Concrete Saw Operator (Over 40 HP)<br>Power Bin Operator<br>Plant Drier Operator (asphalt)<br>Vibratory Compaction Equipment (6' wide or over)<br>Guard Post Driver Operator<br>All Mulching Equipment<br>Boom or Winch Hoist Truck Operator<br>End Dumps   | Stump Remover Skid<br>Steer Fireman<br>Mechanic's Helper<br>Trencher (service)<br>Flexplane Operator<br>Cleftplane Operator<br>Grader Operator<br>Self-propelled Fine-Grade or Form (concrete)<br>Finishing Machine Operator (concrete)<br>Concrete Pump (under 3")<br>Farm Type Tractor Operator<br>Mesh Installer (self-propelled)   |

## LABORERS CLASSIFICATION DESCRIPTIONS

- Class 1** Asphalt Shoveler or Loader, Asphalt Raker Tender, Asphalt Plant Misc., Railroad Track and Trestle Laborer, Burlap Man, Carpenter's Tender, Top Man, Yard Man, Guard Rail Builder's Tender, Earth Retention Barrier and Wall and Mechanically Stabilized Earthen Wall Installers Tender, Highway and Median Barrier Installer's Tender (including Sound, Retaining and Crash Barrier), Fence Erector's Tender, Dumper (wagon, truck, etc.) Joint Filling Labor, Misc., Unskilled Labor, Sprinkler Labor, Form Setting Labor, Form Stripper, Pavement Reinforcing, Handling and Placing (e.g. wire mesh, steel mats, dowel bars, etc.) Mason's or Bricklayer's Tender on Manholes, Manhole Builder, Headwalls, etc., Waterproofing (other than buildings), Seal Coating and Slurry Mix, Shoring, Underpinning, Bridge Painting, etc. (spray, roller and brush) Sandblasting, Pressure Grouting, and Bridge Pin and Hanger Removal, Material Recycling Laborer, Horizontal Paver (brick, concrete, clay, stone and asphalt) Ground Stabilization and Modification Laborer, Grouting, Waterblasting, Sign Installer and remote control operated equipment.
- Class 2** Mix Operator (less than 5 sacks), Air or Electric Tool Operator (jack hammer, etc.), Spreader, Boxman (asphalt, stone, gravel, etc.), Concrete Paddler, Power Chain Saw Operator, Paving Batch Truck Dumper, Tunnel Mucker (highway work only), Concrete Saw Operator (under 40 H.P.), Dry Pack Machine and Roto-Mill Grounds Person.
- Class 3** Tunnel Miner (highway work only), Finishers Tender, Guard Rail Builder, Highway and Median Barrier Installer, Fence Erector, Bottom Man, Powder Man, Wagon Drill and Air Track Operators, Curb and Side Rail Setters' Tender, Diamond & Core Drills, Earth Retention Barriers, Walls and Mechanically Stabilized Earthen Wall Installer (including sound, retaining and crash barrier), grade checker and certified welder.
- Class 4** Asphalt Raker
- Class 5** Pipe Layers, Oxy-gun
- Class 6** Line-Form Setter for Curb or Pavement and asphalt screed checker/screw man on asphalt paving machines.
- Class 7** Concrete Specialist, finishing and troweling, of cast in place or precast concrete by any and all methods.

**OVERTIME PROVISIONS FOR Road Builder WAGE RATE SCHEDULE**

- Overtime is represented as a nine character code. Each character represents a certain period of time after the first 8 hours Monday thru Friday.

|                       | Monday thru Friday | Saturday | Sunday & Holidays | Four 10s |
|-----------------------|--------------------|----------|-------------------|----------|
| First 8 Hours         |                    | 4        | 8                 | 9        |
| 9 <sup>th</sup> Hour  | 1                  | 5        |                   |          |
| 10 <sup>th</sup> Hour | 2                  | 6        |                   |          |
| Over 10 hours         | 3                  | 7        |                   |          |

Overtime for Monday thru Friday after 8 hours:

the 1<sup>st</sup> character is for time worked in the 9<sup>th</sup> hour (8.1 - 9 hours)  
 the 2<sup>nd</sup> character is for time worked in the 10<sup>th</sup> hour (9.1 - 10 hours)  
 the 3<sup>rd</sup> character is for time worked beyond the 10<sup>th</sup> hour (10.1 and beyond)

Overtime on Saturday:

the 4<sup>th</sup> character is for time worked in the first 8 hours on Saturday (0 - 8 hours) the 5<sup>th</sup> character is for time worked in the 9<sup>th</sup> hour on Saturday (8.1 - 9 hours) the 6<sup>th</sup> character is for time worked in the 10<sup>th</sup> hour (9.1 - 10 hours)  
 the 7<sup>th</sup> character is for time worked beyond the 10<sup>th</sup> hour (10.01 and beyond)

Overtime on Sunday & Holidays

the 8<sup>th</sup> character is for time worked on Sunday or on a holiday

4 Ten hour days @ Straight Time

The 9<sup>th</sup> character indicates if an optional 4-day 10-hour per day workweek can be worked between Monday and Friday without paying overtime after 8 hours worked. **To utilize a 4 ten workweek, notice is required from the employer to employee prior to the start of work on the project.**

- Overtime Indicators Used in the Overtime Provision: H - means TIME AND ONE-HALF due  
 D -means DOUBLE PAY due  
 X means TIME AND ONE HALF due after 40 hours worked  
 Y means YES an optional 4-day 10-hour per day workweek can be worked without paying overtime after 8 hours worked  
 N -means NO optional 4-day 10-hour per day workweek can be worked without paying overtime after 8 hours worked

- EXAMPLES:

HHHHHDDY - This example shows that the 1½ rate must be used for time worked after 8 hours Monday thru Friday (characters 1 - 3)and for all hours worked on Saturday, (characters 4 - 6), except hours worked after 10 hours on Saturday (7<sup>th</sup> character). Work done after 10 hours must be paid at the double time rate. Work done on Sunday or holidays must be paid double time (character 8). The Y (character 9) indicates that 4 ten-hour days is an acceptable alternative workweek at regular pay.

HHHHHHHY means that the 1½ rate must be used for time worked after 8 hours worked Monday thru Friday (characters 1-3); and for any hours worked on Saturdays, Sundays or holidays (characters 4-8). The Y (character 9) indicates that 4 ten-hour days is an acceptable alternative workweek at regular pay.

**XXHXXHDY this example allows 4 ten hour days Monday thru Saturday to be worked. Hours worked beyond ten Monday thru Saturday OR hours worked after 40 hours in one week must be paid at time and one half. Sunday or holiday hours must be paid at double.**

**2017 Road Builder Rates  
 GENERAL INFORMATION**

Page 1 of 20

| <u>Classification</u> |                          |       | Straight      | Time and a | Double  |          |
|-----------------------|--------------------------|-------|---------------|------------|---------|----------|
| Name                  | Description              |       | Hourly        | Half       | Time    | Overtime |
| Provision             |                          |       |               |            |         |          |
| =====                 |                          |       |               |            |         |          |
| =                     |                          |       |               |            |         |          |
| <b>CARPENTERS</b>     |                          |       |               |            |         |          |
| CARPENTERS ZONE 1     |                          | RBCZ1 | <b>WAGE</b>   | \$29.47    | \$44.21 |          |
| X                     |                          | X     | H             | X          | X       | X H H Y  |
|                       |                          |       | <b>FRINGE</b> | \$26.83    | \$36.05 |          |
|                       | <b>Apprentice Rates:</b> |       |               |            |         |          |
|                       | 1ST 6 MONTHS             |       | <b>WAGE</b>   | \$12.97    | \$19.46 |          |
|                       |                          |       | <b>FRINGE</b> | \$16.50    | \$20.56 |          |
|                       | 2ND 6 MONTHS             |       | <b>WAGE</b>   | \$16.21    | \$24.32 |          |
|                       |                          |       | <b>FRINGE</b> | \$18.53    | \$23.60 |          |
|                       | YEAR 2                   |       | <b>WAGE</b>   | \$19.16    | \$28.74 |          |
|                       |                          |       | <b>FRINGE</b> | \$20.38    | \$26.38 |          |
|                       | YEAR 3                   |       | <b>WAGE</b>   | \$22.10    | \$33.15 |          |
|                       |                          |       | <b>FRINGE</b> | \$22.22    | \$29.14 |          |
|                       | YEAR 4                   |       | <b>WAGE</b>   | \$25.05    | \$36.98 |          |
|                       |                          |       | <b>FRINGE</b> | \$24.06    | \$31.90 |          |

CARPENTERS ZONE 1  
 Wayne, Oakland, Macomb, Sanilac, St. Clair, Monroe  
 and the following townships of Livingston County  
 Brighton, Deerfield, Genoa, Hartland, Osceola and  
 Tyrone

Project Number: 2017 Capital Preventative maintenance Program

**GENERAL INFORMATION**

Page 2 of 20

| <u>Classification</u> |   |        |   |                    |                    |                |          |
|-----------------------|---|--------|---|--------------------|--------------------|----------------|----------|
| Name                  | Description   |        |   | Straight<br>Hourly | Time and a<br>Half | Double<br>Time | Overtime |
| Provision             |   |        |   |                    |                    |                |          |
| =====                 |   |        |   |                    |                    |                |          |
|                       |   |        |   |                    |                    |                |          |
| X                     | CARPENTERS ZONE 2   | RBCZ2  | X | WAGE<br>H          | \$26.33<br>X       | \$39.50<br>X   | X H H Y  |
|                       |   |        |   | FRINGE             | \$19.18            | \$19.18        |          |
|                       | <b>Apprentice Rates:</b>  |        |   |                    |                    |                |          |
|                       | 1ST YEAR  |        |   | WAGE               | \$15.80            | \$23.70        |          |
|                       |   |        |   | FRINGE             | \$19.18            | \$19.18        |          |
|                       | 2ND YEAR  |        |   | WAGE               | \$18.43            | \$27.64        |          |
|                       |   |        |   | FRINGE             | \$19.18            | \$19.18        |          |
|                       | 3RD YEAR  |        |   | WAGE               | \$21.06            | \$31.59        |          |
|                       |   |        |   | FRINGE             | \$19.18            | \$19.18        |          |
|                       | 4TH YEAR  |        |   | WAGE               | \$22.38            | \$33.57        |          |
|                       |   |        |   | FRINGE             | \$19.18            | \$19.18        |          |
|                       | CARPENTERS ZONE 2<br>The entire state except those counties and townships listed in Zone 1                      |        |   |                    |                    |                |          |
| X                     | CEMENT MASONS<br>CEMENT MASONS ZONE 1   | RBCMZ1 | X | WAGE<br>H          | \$30.44<br>X       | \$45.66<br>X   | H H H Y  |
|                       |   |        |   | FRINGE             | \$13.34            | \$13.34        |          |
|                       | <b>Apprentice Rates:</b>  |        |   |                    |                    |                |          |
|                       | 1ST YEAR  |        |   | WAGE               | \$17.96            | \$26.94        |          |
|                       |   |        |   | FRINGE             | \$13.34            | \$13.34        |          |
|                       | 2ND YEAR  |        |   | WAGE               | \$22.09            | \$33.14        |          |
|                       |   |        |   | FRINGE             | \$13.34            | \$13.34        |          |
|                       | 3RD YEAR  |        |   | WAGE               | \$26.23            | \$39.34        |          |
|                       |   |        |   | FRINGE             | \$13.34            | \$13.34        |          |
|                       | CEMENT MASONS ZONE 1<br>Genesee, Oakland, Macomb, Monroe, Washtenaw,<br>Wayne, Livingston and Saginaw Counties. |        |   |                    |                    |                |          |

**GENERAL INFORMATION**

Page 3 of 20

| <u>Classification</u>             |                          |          |                 |                 |             |          |         |
|-----------------------------------|--------------------------|----------|-----------------|-----------------|-------------|----------|---------|
| Name                              | Description              |          | Straight Hourly | Time and a Half | Double Time | Overtime |         |
| Provision                         |                          |          |                 |                 |             |          |         |
| =====                             |                          |          |                 |                 |             |          |         |
| =                                 |                          |          |                 |                 |             |          |         |
| CEMENT MASONS ZONE 2              |                          | RBCMZZ   | <b>WAGE</b>     | \$28.94         | \$43.41     |          |         |
| X                                 |                          | X        | H               | X               | X           | H H H Y  |         |
|                                   |                          |          | <b>FRINGE</b>   | \$13.34         | \$13.34     |          |         |
|                                   | <b>Apprentice Rates:</b> |          |                 |                 |             |          |         |
|                                   | 1ST YEAR                 |          | <b>WAGE</b>     | \$17.13         | \$25.70     |          |         |
|                                   |                          |          | <b>FRINGE</b>   | \$13.34         | \$13.34     |          |         |
|                                   | 2ND YEAR                 |          | <b>WAGE</b>     | \$21.08         | \$31.62     |          |         |
|                                   |                          |          | <b>FRINGE</b>   | \$13.34         | \$13.34     |          |         |
|                                   | 3RD YEAR                 |          | <b>WAGE</b>     | \$25.25         | \$37.88     |          |         |
|                                   |                          |          | <b>FRINGE</b>   | \$13.34         | \$13.34     |          |         |
| CEMENT MASONS ZONE 2              |                          |          |                 |                 |             |          |         |
| All counties not listed in Zone 1 |                          |          |                 |                 |             |          |         |
|                                   |                          |          |                 |                 |             |          |         |
| <b>IRONWORKER</b>                 |                          |          |                 |                 |             |          |         |
| Metal Fence & Guard Rail          |                          | IR-55-MF | <b>WAGE</b>     | \$20.00         | \$30.00     | \$40.00  | H H D H |
| H                                 |                          | H        | H               | D               | Y           |          |         |
|                                   |                          |          | <b>FRINGE</b>   | \$19.87         | \$29.81     | \$39.74  |         |
| Lenawee                           |                          | Monroe   |                 |                 |             |          |         |

**GENERAL INFORMATION**

Page 4 of 20

| Classification   |                          |               |                 |                 |             |             |
|--|--------------------------|---------------|-----------------|-----------------|-------------|-------------|
| Name   | Description              |               | Straight Hourly | Time and a Half | Double Time | Overtime    |
| Provision  |                          |               |                 |                 |             |             |
| =====  |                          |               |                 |                 |             |             |
| IRONWORKERS ZONE 1: Fence, sound barrier and guardrail   |                          |               |                 |                 |             |             |
| RBIRZ1   |                          | <b>WAGE</b>   | \$24.00         | \$36.00         | \$48.00     | X X H X X X |
| H  |                          | <b>D</b>      | Y               |                 |             |             |
| erection/installation work, and exterior signage work.   |                          |               |                 |                 |             |             |
|  |                          | <b>FRINGE</b> | \$11.55         | \$11.55         | \$11.55     |             |
|  | <b>Apprentice Rates:</b> |               |                 |                 |             |             |
|  | 60%                      | <b>WAGE</b>   | \$14.40         | \$21.60         | \$28.80     |             |
|  |                          | <b>FRINGE</b> | \$10.75         | \$10.75         | \$10.75     |             |
|  | 65%                      | <b>WAGE</b>   | \$15.60         | \$23.40         | \$31.20     |             |
|  |                          | <b>FRINGE</b> | \$10.85         | \$10.85         | \$10.85     |             |
|  | 70%                      | <b>WAGE</b>   | \$16.80         | \$25.20         | \$33.60     |             |
|  |                          | <b>FRINGE</b> | \$10.96         | \$10.96         | \$10.96     |             |
|  | 75%                      | <b>WAGE</b>   | \$18.00         | \$27.00         | \$36.00     |             |
|  |                          | <b>FRINGE</b> | \$11.05         | \$11.05         | \$11.05     |             |
|  | 80%                      | <b>WAGE</b>   | \$19.20         | \$28.80         | \$38.40     |             |
|  |                          | <b>FRINGE</b> | \$11.15         | \$11.15         | \$11.15     |             |
|  | 85%                      | <b>WAGE</b>   | \$20.40         | \$30.60         | \$40.80     |             |
|  |                          | <b>FRINGE</b> | \$11.25         | \$11.25         | \$11.25     |             |
| <b>IRONWORKERS ZONE 1</b>  |                          |               |                 |                 |             |             |
| Genesee, Oakland, Macomb, Washtenaw and Wayne Counties   |                          |               |                 |                 |             |             |
| <br>   |                          |               |                 |                 |             |             |
| IRONWORKERS ZONE 2: Fence, sound barrier and   |                          |               |                 |                 |             |             |
| RBIRZ2   |                          | <b>WAGE</b>   | \$20.00         | \$30.00         | \$40.00     | X X H X X X |
| H  |                          | <b>D</b>      | Y               |                 |             |             |
| guardrail erection/installation work, and exterior signage work.   |                          |               |                 |                 |             |             |
|  |                          | <b>FRINGE</b> | \$11.55         | \$11.55         | \$11.55     |             |
|  | <b>Apprentice Rates:</b> |               |                 |                 |             |             |
|  | 60%                      | <b>WAGE</b>   | \$12.00         | \$18.00         | \$24.00     |             |
|  |                          | <b>FRINGE</b> | \$10.75         | \$10.75         | \$10.75     |             |
|  | 65%                      | <b>WAGE</b>   | \$13.00         | \$19.50         | \$26.00     |             |
|  |                          | <b>FRINGE</b> | \$10.85         | \$10.85         | \$10.85     |             |
|  | 70%                      | <b>WAGE</b>   | \$14.00         | \$21.00         | \$28.00     |             |
|  |                          | <b>FRINGE</b> | \$10.96         | \$10.96         | \$10.96     |             |
|  | 75%                      | <b>WAGE</b>   | \$15.00         | \$22.50         | \$30.00     |             |
|  |                          | <b>FRINGE</b> | \$11.05         | \$11.05         | \$11.05     |             |
|  | 80%                      | <b>WAGE</b>   | \$16.00         | \$24.00         | \$32.00     |             |
|  |                          | <b>FRINGE</b> | \$11.15         | \$11.15         | \$11.15     |             |
|  | 85%                      | <b>WAGE</b>   | \$17.00         | \$25.50         | \$34.00     |             |
|  |                          | <b>FRINGE</b> | \$11.25         | \$11.25         | \$11.25     |             |
| <b>IRONWORKERS ZONE 2</b>  |                          |               |                 |                 |             |             |
| The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne and Lenawee |                          |               |                 |                 |             |             |

**GENERAL INFORMATION**

Page 5 of 20

| Classification  |   |                | Straight  | Time and a   | Double       |          |
|-----------------|---|----------------|-----------|--------------|--------------|----------|
| Name            | Description   |                | Hourly    | Half         | Time         | Overtime |
| Provision       |   |                |           |              |              |          |
| =====           |   |                |           |              |              |          |
| <b>LABORERS</b> |   |                |           |              |              |          |
| X               | LABORERS CLASS 1 ZONE 1   | RBLABC1Z1<br>X | WAGE<br>X | \$22.32<br>X | \$33.48<br>X | X X H Y  |
|                 |   |                | FRINGE    | \$16.14      | \$17.66      |          |
|                 | <b>Apprentice Rates:</b>  |                |           |              |              |          |
|                 | 0-1000 WORK HOURS   |                | WAGE      | \$16.74      | \$25.11      |          |
|                 |   |                | FRINGE    | \$16.14      | \$17.66      |          |
|                 | 1001-2000 WORK HOURS  |                | WAGE      | \$17.86      | \$26.79      |          |
|                 |   |                | FRINGE    | \$16.14      | \$17.66      |          |
|                 | 2001-3000 WORK HOURS  |                | WAGE      | \$18.97      | \$28.46      |          |
|                 |   |                | FRINGE    | \$16.14      | \$17.66      |          |
|                 | 3001-4000 WORK HOURS  |                | WAGE      | \$21.20      | \$31.80      |          |
|                 |   |                | FRINGE    | \$16.14      | \$17.66      |          |
|                 | <b>LABORERS ZONE 1</b><br>Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |                |           |              |              |          |
| X               | LABORERS CLASS 1 ZONE 2   | RBLABC1Z2<br>X | WAGE<br>X | \$20.41<br>X | \$30.62<br>X | X X H Y  |
|                 |   |                | FRINGE    | \$16.00      | \$17.45      |          |
|                 | <b>Apprentice Rates:</b>  |                |           |              |              |          |
|                 | 0-1000 WORK HOURS   |                | WAGE      | \$15.31      | \$22.96      |          |
|                 |   |                | FRINGE    | \$16.00      | \$17.45      |          |
|                 | 1001-2000 WORK HOURS  |                | WAGE      | \$16.33      | \$24.50      |          |
|                 |   |                | FRINGE    | \$16.00      | \$17.45      |          |
|                 | 2001-3000 WORK HOURS  |                | WAGE      | \$17.35      | \$26.02      |          |
|                 |   |                | FRINGE    | \$16.00      | \$17.45      |          |
|                 | 3001-4000 WORK HOURS  |                | WAGE      | \$19.39      | \$29.08      |          |
|                 |   |                | FRINGE    | \$16.00      | \$17.45      |          |
|                 | <b>LABORERS ZONE 2</b><br>Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren |                |           |              |              |          |

**GENERAL INFORMATION**

Page 6 of 20

| <u>Classification</u>   |                      |   | Straight      | Time and a | Double  |          |
|---|----------------------|---|---------------|------------|---------|----------|
| Name  | Description          |   | Hourly        | Half       | Time    | Overtime |
| Provision   |                      |   |               |            |         |          |
| =====   |                      |   |               |            |         |          |
| LABORERS CLASS 1 ZONE 3 & 4   | RBLABC1Z3            |   | <b>WAGE</b>   | \$19.66    | \$29.49 |          |
| X   | X                    |   | X             | X          | X       | X X H Y  |
|   |                      |   | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| <b>Apprentice Rates:</b>  |                      |   |               |            |         |          |
|   | 0-1000 WORK HOURS    |   | <b>WAGE</b>   | \$14.74    | \$22.11 |          |
|   |                      |   | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 1001-2000 WORK HOURS |   | <b>WAGE</b>   | \$15.73    | \$23.60 |          |
|   |                      |   | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 2001-3000 WORK HOURS |   | <b>WAGE</b>   | \$16.71    | \$25.06 |          |
|   |                      |   | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 3001-4000 WORK HOURS |   | <b>WAGE</b>   | \$18.68    | \$28.02 |          |
|   |                      |   | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| <b>LABORERS ZONE 3</b>  |                      | <b>LABORERS ZONE 4</b>  |               |            |         |          |
| Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix, Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent, Lake, Leelanau, Manistee, Mason, Mecosta, Missaukee, Montcalm, Montmorency, Newaygo, Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa, Presque Isle, Roscommon and Wexford |                      | Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft |               |            |         |          |
| LABORERS CLASS 2 ZONE 1   | RBLABC2Z1            |   | <b>WAGE</b>   | \$22.45    | \$33.68 |          |
| X   | X                    |   | X             | X          | X       | X X H Y  |
|   |                      |   | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| <b>Apprentice Rates:</b>  |                      |   |               |            |         |          |
|   | 0-1000 WORK HOURS    |   | <b>WAGE</b>   | \$16.84    | \$25.26 |          |
|   |                      |   | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 1001-2000 WORK HOURS |   | <b>WAGE</b>   | \$17.96    | \$26.94 |          |
|   |                      |   | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 2001-3000 WORK HOURS |   | <b>WAGE</b>   | \$19.08    | \$28.62 |          |
|   |                      |   | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 3001-4000 WORK HOURS |   | <b>WAGE</b>   | \$21.33    | \$32.00 |          |
|   |                      |   | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| <b>LABORERS ZONE 1</b>  |                      |   |               |            |         |          |
| Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |                      |   |               |            |         |          |

**GENERAL INFORMATION**

Page 7 of 20

| Classification  |                      |   | Straight  | Time and a | Double  |          |
|---|----------------------|---|---|------------|---------|----------|
| Name  | Description          |   | Hourly  | Half       | Time    | Overtime |
| Provision   |                      |   |   |            |         |          |
| =====   |                      |   |   |            |         |          |
| LABORERS CLASS 2 ZONE 2   | RBLABC2Z2            |   | <b>WAGE</b>   | \$20.61    | \$30.92 |          |
| X   | X                    | X | X   | X          | X       | X X H Y  |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
| <b>Apprentice Rates:</b>  |                      |   |   |            |         |          |
|   | 0-1000 WORK HOURS    |   | <b>WAGE</b>   | \$15.46    | \$23.19 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 1001-2000 WORK HOURS |   | <b>WAGE</b>   | \$16.49    | \$24.74 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 2001-3000 WORK HOURS |   | <b>WAGE</b>   | \$17.52    | \$26.28 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 3001-4000 WORK HOURS |   | <b>WAGE</b>   | \$19.58    | \$29.37 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
| <b>LABORERS ZONE 2</b>  |                      |   |   |            |         |          |
| Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren   |                      |   |   |            |         |          |
| LABORERS CLASS 2 ZONES 3 & 4  | RBLABC2Z4            |   | <b>WAGE</b>   | \$19.87    | \$29.81 |          |
| X   | X                    | X | X   | X          | X       | X X H Y  |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
| <b>Apprentice Rates:</b>  |                      |   |   |            |         |          |
|   | 0-1000 WORK HOURS    |   | <b>WAGE</b>   | \$14.90    | \$22.35 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 1001-2000 WORK HOURS |   | <b>WAGE</b>   | \$15.90    | \$23.85 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 2001-3000 WORK HOURS |   | <b>WAGE</b>   | \$16.89    | \$25.34 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
|   | 3001-4000 WORK HOURS |   | <b>WAGE</b>   | \$18.88    | \$28.32 |          |
|   |                      |   | <b>FRINGE</b>   | \$16.00    | \$17.45 |          |
| <b>LABORERS ZONE 3</b>  |                      |   | <b>LABORERS ZONE 4</b>  |            |         |          |
| Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix, Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent, Lake, Leelanau, Manistee, Mason, Mecosta, Missaukee, Montcalm, Montmorency, Newaygo, Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa, Presque Isle, Roscommon and Wexford |                      |   | Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft |            |         |          |

**GENERAL INFORMATION**

Page 8 of 20

| Classification  |                      |  | Straight      | Time and a | Double  |          |
|---|----------------------|--|---------------|------------|---------|----------|
| Name  | Description          |  | Hourly        | Half       | Time    | Overtime |
| Provision   |                      |  |               |            |         |          |
| =====   |                      |  |               |            |         |          |
| LABORERS CLASS 3 ZONE 1   | RBLABC3Z1            |  | <b>WAGE</b>   | \$22.63    | \$33.95 |          |
| X   | X                    |  | X             | X          | X       | X X H Y  |
|   |                      |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| <b>Apprentice Rates:</b>  |                      |  |               |            |         |          |
|   | 0-1000 WORK HOURS    |  | <b>WAGE</b>   | \$16.97    | \$25.46 |          |
|   |                      |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 1001-2000 WORK HOURS |  | <b>WAGE</b>   | \$18.10    | \$27.15 |          |
|   |                      |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 2001-3000 WORK HOURS |  | <b>WAGE</b>   | \$19.24    | \$28.86 |          |
|   |                      |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 3001-4000 WORK HOURS |  | <b>WAGE</b>   | \$21.50    | \$32.25 |          |
|   |                      |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| <b>LABORERS ZONE 1</b>  |                      |  |               |            |         |          |
| Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |                      |  |               |            |         |          |
| LABORERS CLASS 3 ZONE 2   | RBLABC3Z2            |  | <b>WAGE</b>   | \$20.85    | \$31.28 |          |
| X   | X                    |  | X             | X          | X       | X X H Y  |
|   |                      |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| <b>Apprentice Rates:</b>  |                      |  |               |            |         |          |
|   | 0-1000 WORK HOURS    |  | <b>WAGE</b>   | \$15.64    | \$23.46 |          |
|   |                      |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 1001-2000 WORK HOURS |  | <b>WAGE</b>   | \$16.68    | \$25.02 |          |
|   |                      |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 2001-3000 WORK HOURS |  | <b>WAGE</b>   | \$17.72    | \$26.58 |          |
|   |                      |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 3001-4000 WORK HOURS |  | <b>WAGE</b>   | \$19.81    | \$29.72 |          |
|   |                      |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| <b>LABORERS ZONE 2</b>  |                      |  |               |            |         |          |
| Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren |                      |  |               |            |         |          |

**GENERAL INFORMATION**

Page 9 of 20

| <u>Classification</u>   |   |               | Straight | Time and a | Double |          |
|---|---|---------------|----------|------------|--------|----------|
| Name  | Description   |               | Hourly   | Half       | Time   | Overtime |
| Provision   |   |               |          |            |        |          |
| =====   |   |               |          |            |        |          |
| =   |   |               |          |            |        |          |
| LABORERS CLASS 3 ZONES 3 & 4  | RBLABC3Z3   | <b>WAGE</b>   | \$20.16  | \$30.24    |        |          |
| X   | X   | X             | X        | X          | X      | X H Y    |
|   |   | <b>FRINGE</b> | \$16.00  | \$17.45    |        |          |
| <b>Apprentice Rates:</b>  |   |               |          |            |        |          |
|   | 0-1000 WORK HOURS   | <b>WAGE</b>   | \$15.12  | \$22.68    |        |          |
|   |   | <b>FRINGE</b> | \$16.00  | \$17.45    |        |          |
|   | 1001-2000 WORK HOURS  | <b>WAGE</b>   | \$16.13  | \$24.20    |        |          |
|   |   | <b>FRINGE</b> | \$16.00  | \$17.45    |        |          |
|   | 2001-3000 WORK HOURS  | <b>WAGE</b>   | \$17.14  | \$25.71    |        |          |
|   |   | <b>FRINGE</b> | \$16.00  | \$17.45    |        |          |
|   | 3001-4000 WORK HOURS  | <b>WAGE</b>   | \$19.15  | \$28.72    |        |          |
|   |   | <b>FRINGE</b> | \$16.00  | \$17.45    |        |          |
| LABORERS ZONE 3   | LABORERS ZONE 4   |               |          |            |        |          |
| Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix, Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent, Lake, Leelanau, Manistee, Mason, Mecosta, Missaukee, Montcalm, Montmorency, Newaygo, Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa, Presque Isle, Roscommon and Wexford | Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft |               |          |            |        |          |
| LABORERS CLASS 4 ZONE 1   | RBLABC4Z1   | <b>WAGE</b>   | \$22.71  | \$34.07    |        |          |
| X   | X   | X             | X        | X          | X      | X H Y    |
|   |   | <b>FRINGE</b> | \$16.14  | \$17.66    |        |          |
| <b>Apprentice Rates:</b>  |   |               |          |            |        |          |
|   | 0-1000 WORK HOURS   | <b>WAGE</b>   | \$17.03  | \$25.54    |        |          |
|   |   | <b>FRINGE</b> | \$16.14  | \$17.66    |        |          |
|   | 1001-2000 WORK HOURS  | <b>WAGE</b>   | \$18.17  | \$27.26    |        |          |
|   |   | <b>FRINGE</b> | \$16.14  | \$17.66    |        |          |
|   | 2001-3000 WORK HOURS  | <b>WAGE</b>   | \$19.30  | \$28.95    |        |          |
|   |   | <b>FRINGE</b> | \$16.14  | \$17.66    |        |          |
|   | 3001-4000 WORK HOURS  | <b>WAGE</b>   | \$21.57  | \$32.36    |        |          |
|   |   | <b>FRINGE</b> | \$16.14  | \$17.66    |        |          |
| LABORERS ZONE 1   |   |               |          |            |        |          |
| Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |   |               |          |            |        |          |

**GENERAL INFORMATION**

Page 10 of 20

| Classification  |                      |        | Straight  | Time and a | Double |          |
|---|----------------------|--------|---|------------|--------|----------|
| Name  | Description          |        | Hourly  | Half       | Time   | Overtime |
| Provision   |                      |        |   |            |        |          |
| =====   |                      |        |   |            |        |          |
| LABORERS CLASS 4 ZONE 2   | RBLABC4Z2            | WAGE   | \$21.20   | \$31.80    |        |          |
| X   | X                    | X      | X   | X          |        | X X H Y  |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
| <b>Apprentice Rates:</b>  |                      |        |   |            |        |          |
|   | 0-1000 WORK HOURS    | WAGE   | \$15.90   | \$23.85    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 1001-2000 WORK HOURS | WAGE   | \$16.96   | \$25.44    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 2001-3000 WORK HOURS | WAGE   | \$18.02   | \$27.03    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 3001-4000 WORK HOURS | WAGE   | \$20.14   | \$30.21    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
| <b>LABORERS ZONE 2</b>  |                      |        |   |            |        |          |
| Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren   |                      |        |   |            |        |          |
| LABORERS CLASS 4 ZONES 3 & 4  | RBLABC4Z3            | WAGE   | \$20.60   | \$30.90    |        |          |
| X   | X                    | X      | X   | X          |        | X X H Y  |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
| <b>Apprentice Rates:</b>  |                      |        |   |            |        |          |
|   | 0-1000 WORK HOURS    | WAGE   | \$15.45   | \$23.18    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 1001-2000 WORK HOURS | WAGE   | \$16.48   | \$24.72    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 2001-3000 WORK HOURS | WAGE   | \$17.51   | \$26.26    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
|   | 3001-4000 WORK HOURS | WAGE   | \$19.57   | \$29.36    |        |          |
|   |                      | FRINGE | \$16.00   | \$17.45    |        |          |
| <b>LABORERS ZONE 3</b>  |                      |        | <b>LABORERS ZONE 4</b>  |            |        |          |
| Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix, Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent, Lake, Leelanau, Manistee, Mason, Mecosta, Missaukee, Montcalm, Montmorency, Newaygo, Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa, Presque Isle, Roscommon and Wexford |                      |        | Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and Schoolcraft |            |        |          |

**GENERAL INFORMATION**

Page 11 of 20

| Classification   |                      |        | Straight | Time and a | Double |          |
|--|----------------------|--------|----------|------------|--------|----------|
| Name   | Description          |        | Hourly   | Half       | Time   | Overtime |
| Provision  |                      |        |          |            |        |          |
| =====  |                      |        |          |            |        |          |
| =  |                      |        |          |            |        |          |
| LABORERS CLASS 5 ZONE 1  | RBLABC5Z1            | WAGE   | \$22.92  | \$34.38    |        |          |
| X  | X                    | X      | X        | X          | X      | X X H Y  |
|  |                      | FRINGE | \$16.14  | \$17.66    |        |          |
| <b>Apprentice Rates:</b>   |                      |        |          |            |        |          |
|  | 0-1000 WORK HOURS    | WAGE   | \$17.19  | \$25.78    |        |          |
|  |                      | FRINGE | \$16.14  | \$17.66    |        |          |
|  | 1001-2000 WORK HOURS | WAGE   | \$18.34  | \$27.51    |        |          |
|  |                      | FRINGE | \$16.14  | \$17.66    |        |          |
|  | 2001-3000 WORK HOURS | WAGE   | \$19.48  | \$29.22    |        |          |
|  |                      | FRINGE | \$16.14  | \$17.66    |        |          |
|  | 3001-4000 WORK HOURS | WAGE   | \$21.77  | \$32.66    |        |          |
|  |                      | FRINGE | \$16.14  | \$17.66    |        |          |
| LABORERS ZONE 1<br>Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |                      |        |          |            |        |          |
| LABORERS CLASS 5 ZONE 2  | RBLABC5Z2            | WAGE   | \$21.07  | \$31.61    |        |          |
| X  | X                    | X      | X        | X          | X      | X X H Y  |
|  |                      | FRINGE | \$16.00  | \$17.45    |        |          |
| <b>Apprentice Rates:</b>   |                      |        |          |            |        |          |
|  | 0-1000 WORK HOURS    | WAGE   | \$15.80  | \$23.70    |        |          |
|  |                      | FRINGE | \$16.00  | \$17.45    |        |          |
|  | 1001-2000 WORK HOURS | WAGE   | \$16.86  | \$25.29    |        |          |
|  |                      | FRINGE | \$16.00  | \$17.45    |        |          |
|  | 2001-3000 WORK HOURS | WAGE   | \$17.91  | \$26.86    |        |          |
|  |                      | FRINGE | \$16.00  | \$17.45    |        |          |
|  | 3001-4000 WORK HOURS | WAGE   | \$20.02  | \$30.03    |        |          |
|  |                      | FRINGE | \$16.00  | \$17.45    |        |          |
| LABORERS ZONE 2<br>Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren |                      |        |          |            |        |          |

**GENERAL INFORMATION**

Page 12 of 20

| Classification  |   |  | Straight      | Time and a | Double  |          |
|---|---|--|---------------|------------|---------|----------|
| Name  | Description   |  | Hourly        | Half       | Time    | Overtime |
| Provision   |   |  |               |            |         |          |
| =====   |   |  |               |            |         |          |
| LABORERS CLASS 5 ZONES 3 & 4  | RBLABC5Z3   |  | <b>WAGE</b>   | \$20.22    | \$30.33 |          |
| X   | X   |  | X             | X          | X       | X X H Y  |
|   |   |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| <b>Apprentice Rates:</b>  |   |  |               |            |         |          |
|   | 0-1000 WORK HOURS   |  | <b>WAGE</b>   | \$15.16    | \$22.74 |          |
|   |   |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 1001-2000 WORK HOURS  |  | <b>WAGE</b>   | \$16.18    | \$24.27 |          |
|   |   |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 2001-3000 WORK HOURS  |  | <b>WAGE</b>   | \$17.19    | \$25.78 |          |
|   |   |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
|   | 3001-4000 WORK HOURS  |  | <b>WAGE</b>   | \$19.21    | \$28.82 |          |
|   |   |  | <b>FRINGE</b> | \$16.00    | \$17.45 |          |
| LABORERS ZONE 3   | LABORERS ZONE 4   |  |               |            |         |          |
| Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix,<br>Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand<br>Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent,<br>Lake, Leelanau, Manistee, Mason, Mecosta,<br>Missaukee, Montcalm, Montmorency, Newaygo,<br>Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa,<br>Presque Isle, Roscommon and Wexford | Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic,<br>Houghton, Iron, Keweenaw, Luce, Mackinac,<br>Marquette, Menominee, Ontonagon and Schoolcraft |  |               |            |         |          |
| LABORERS CLASS 6 ZONE 1   | RBLABC6Z1   |  | <b>WAGE</b>   | \$23.22    | \$34.83 |          |
| X   | X   |  | X             | X          | X       | X X H Y  |
|   |   |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| <b>Apprentice Rates:</b>  |   |  |               |            |         |          |
|   | 0-1000 WORK HOURS   |  | <b>WAGE</b>   | \$17.42    | \$26.13 |          |
|   |   |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 1001-2000 WORK HOURS  |  | <b>WAGE</b>   | \$18.58    | \$27.87 |          |
|   |   |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 2001-3000 WORK HOURS  |  | <b>WAGE</b>   | \$19.74    | \$29.61 |          |
|   |   |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
|   | 3001-4000 WORK HOURS  |  | <b>WAGE</b>   | \$22.06    | \$33.09 |          |
|   |   |  | <b>FRINGE</b> | \$16.14    | \$17.66 |          |
| LABORERS ZONE 1   |   |  |               |            |         |          |
| Genesee, Macomb, Monroe, Oakland, Washtenaw<br>and Wayne  |   |  |               |            |         |          |



**GENERAL INFORMATION**

Page 14 of 20

| <u>Classification</u>   |   |  | Straight | Time and a | Double |          |
|---|---|--|----------|------------|--------|----------|
| Name  | Description   |  | Hourly   | Half       | Time   | Overtime |
| Provision   |   |  |          |            |        |          |
| =====   |   |  |          |            |        |          |
| LABORERS CLASS 7 ZONES 2, 3, 4  | RBLABC72  | <b>WAGE</b>  | \$23.98  | \$35.97    |        |          |
| X   | X   | X  | X        | X          |        | X X H Y  |
|   |   | <b>FRINGE</b>  | \$16.00  | \$17.45    |        |          |
| <b>Apprentice Rates:</b>  |   |  |          |            |        |          |
| 0-1000 WORK HOURS   |   | <b>WAGE</b>  | \$17.98  | \$26.97    |        |          |
|   |   | <b>FRINGE</b>  | \$16.00  | \$17.45    |        |          |
| 1001-2000 WORK HOURS  |   | <b>WAGE</b>  | \$19.18  | \$28.77    |        |          |
|   |   | <b>FRINGE</b>  | \$16.00  | \$17.45    |        |          |
| 2001-3000 WORK HOURS  |   | <b>WAGE</b>  | \$20.38  | \$30.57    |        |          |
|   |   | <b>FRINGE</b>  | \$16.00  | \$17.45    |        |          |
| 3001-4000 WORK HOURS  |   | <b>WAGE</b>  | \$22.78  | \$34.17    |        |          |
|   |   | <b>FRINGE</b>  | \$16.00  | \$17.45    |        |          |
| <b>LABORERS ZONE 2</b>  | <b>LABORERS ZONE 3</b>  | <b>LABORERS ZONE 4</b>   |          |            |        |          |
| Allegan, Barry, Bay, Berrien, Branch, Calhoun, Cass, Gogetic, Clinton, Eaton, Gratiot, Hillsdale, Huron, Ingham, Jackson, Kalamazoo, Lapeer, Lenawee, Livingston, Schoolcraft, Midland, Muskegon, Saginaw, Sanilac, Shiawassee, St. Clair, St. Joseph, Tuscola, and Van Buren | Alcona, Alpena, Antrim, Arenac, Benzie, Charlevoix, Cheboygan, Clare, Crawford, Emmet, Gladwin, Grand Traverse, Ionia, Iosco, Isabella, Kalkaska, Kent, Lake, Leelanau, Manistee, Mason, Mecosta, Missaukee, Montcalm, Montmorency, Newaygo, Oceana, Ogemaw, Osceola, Oscoda, Otsego, Ottawa, Presque Isle, Roscommon and Wexford | Alger, Baraga, Chippewa, Delta, Dickinson, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon and |          |            |        |          |
| LABORERS CLASS 7 ZONE 1   | RBLABC7Z1   | <b>WAGE</b>  | \$24.29  | \$36.44    |        |          |
| X   | X   | X  | X        | X          |        | X X H Y  |
|   |   | <b>FRINGE</b>  | \$16.14  | \$17.66    |        |          |
| <b>Apprentice Rates:</b>  |   |  |          |            |        |          |
| 0-1000 WORK HOURS   |   | <b>WAGE</b>  | \$18.22  | \$27.33    |        |          |
|   |   | <b>FRINGE</b>  | \$16.14  | \$17.66    |        |          |
| 10001-2000 WORK HOURS   |   | <b>WAGE</b>  | \$19.43  | \$29.14    |        |          |
|   |   | <b>FRINGE</b>  | \$16.14  | \$17.66    |        |          |
| 2001-3000 WORK HOURS  |   | <b>WAGE</b>  | \$20.65  | \$30.98    |        |          |
|   |   | <b>FRINGE</b>  | \$16.14  | \$17.66    |        |          |
| 3001-4000 WORK HOURS  |   | <b>WAGE</b>  | \$23.08  | \$34.62    |        |          |
|   |   | <b>FRINGE</b>  | \$16.14  | \$17.66    |        |          |
| <b>LABORERS ZONE 1</b>  |   |  |          |            |        |          |
| Genesee, Macomb, Monroe, Oakland, Washtenaw and Wayne   |   |  |          |            |        |          |

**GENERAL INFORMATION**

Page 15 of 20

| <u>Classification</u>   |  |            |                    |                    |                |          |
|---|--|------------|--------------------|--------------------|----------------|----------|
| Name  | Description  |            | Straight<br>Hourly | Time and a<br>Half | Double<br>Time | Overtime |
| Provision   |  |            |                    |                    |                |          |
| =====   |  |            |                    |                    |                |          |
| =   |  |            |                    |                    |                |          |
| <b>OPERATING ENGINEERS</b>  |  |            |                    |                    |                |          |
| OPERATING ENGINEERS CLASS I ZONE 1 & 2                            |  | RBOEC1Z1   | <b>WAGE</b>        | \$27.53            | \$41.30        | H H H H  |
| H   |  | H          | H                  | H                  | Y              |          |
|   |  |            | <b>FRINGE</b>      | \$27.14            | \$29.21        |          |
| <b>Apprentice Rates:</b>  |  |            |                    |                    |                |          |
| 1ST 6 MONTHS  |  |            | <b>WAGE</b>        | \$19.27            | \$28.90        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| 2ND 6 MONTHS  |  |            | <b>WAGE</b>        | \$20.65            | \$30.98        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| 3RD 6 MONTHS  |  |            | <b>WAGE</b>        | \$22.02            | \$33.03        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| 4TH 6 MONTHS  |  |            | <b>WAGE</b>        | \$23.40            | \$35.10        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| 5TH 6 MONTHS  |  |            | <b>WAGE</b>        | \$24.78            | \$37.17        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| 6TH 6 MONTHS  |  |            | <b>WAGE</b>        | \$26.15            | \$39.22        |          |
|   |  |            | <b>FRINGE</b>      | \$26.14            | \$28.21        |          |
| OPERATING ENGINEERS ZONE 1  | OPERATING ENGINEERS ZONE 2   |            |                    |                    |                |          |
| Genesee, Oakland, Macomb, Monroe, Washtenaw<br>and Wayne counties | The entire state except those counties listed in Zone<br>1: Genesee, Oakland, Macomb, Monroe, Washtenaw<br>and Wayne |            |                    |                    |                |          |
| OPERATING ENGINEERS CLASS II ZONE 1                               |  | RBOEC2Z1   | <b>WAGE</b>        | \$21.68            | \$32.52        | H H H H  |
| H   |  | H          | H                  | H                  | Y              |          |
|   |  |            | <b>FRINGE</b>      | \$26.26            | \$27.89        |          |
| OPERATING ENGINEERS ZONE 1  |  |            |                    |                    |                |          |
| Genesee, Oakland, Macomb, Monroe, Washtenaw<br>and Wayne counties |  |            |                    |                    |                |          |
| OPERATING ENGINEERS GREASE TRUCK CLASS II ZONE                    |  | RBOEC2Z1GT | <b>WAGE</b>        | \$22.81            | \$34.22        | H H H H  |
| H   |  | H          | H                  | H                  | Y              |          |
| 1   |  |            | <b>FRINGE</b>      | \$26.43            | \$28.14        |          |
| OPERATING ENGINEERS ZONE 1  |  |            |                    |                    |                |          |
| Genesee, Oakland, Macomb, Monroe, Washtenaw<br>and Wayne counties |  |            |                    |                    |                |          |

**GENERAL INFORMATION**

Page 16 of 20

| <u>Classification</u>  |             |        | Straight | Time and a | Double |          |
|--|-------------|--------|----------|------------|--------|----------|
| Name   | Description |        | Hourly   | Half       | Time   | Overtime |
| Provision  |             |        |          |            |        |          |
| =====  |             |        |          |            |        |          |
| OPERATING ENGINEERS CLASS 2 ZONE 2   | RBOEC2Z2    | WAGE   | \$21.55  | \$32.33    |        | H H H H  |
| H  | H           | H      | H        | Y          |        |          |
|  |             | FRINGE | \$26.24  | \$27.86    |        |          |
| OPERATING ENGINEERS ZONE 2   |             |        |          |            |        |          |
| The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne |             |        |          |            |        |          |
| OPERATING ENGINEERS GREASE TRUCK CLASS 2 ZONE 2  | RBOEC2Z2GT  | WAGE   | \$22.68  | \$34.02    |        | H H H H  |
| H  | H           | H      | H        | Y          |        |          |
| 2  |             | FRINGE | \$26.41  | \$28.11    |        |          |
| OPERATING ENGINEERS ZONE 2   |             |        |          |            |        |          |
| The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne |             |        |          |            |        |          |
| OPERATING ENGINEERS CLASS III ZONE 1   | RBOEC3Z1    | WAGE   | \$21.19  | \$31.79    |        | H H H H  |
| H  | H           | H      | H        | Y          |        |          |
|  |             | FRINGE | \$26.19  | \$27.78    |        |          |
| OPERATING ENGINEERS ZONE 1   |             |        |          |            |        |          |
| Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne counties   |             |        |          |            |        |          |
| OPERATING ENGINEERS CLASS III ZONE 2   | RBOEC3Z2    | WAGE   | \$21.06  | \$31.59    |        | H H H H  |
| H  | H           | H      | H        | Y          |        |          |
|  |             | FRINGE | \$26.17  | \$27.75    |        |          |
| OPERATING ENGINEERS ZONE 2   |             |        |          |            |        |          |
| The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne |             |        |          |            |        |          |
| OPERATING ENGINEERS CLASS IV ZONE 1  | RBOEC4Z1    | WAGE   | \$21.04  | \$31.56    |        | H H H H  |
| H  | H           | H      | H        | Y          |        |          |
|  |             | FRINGE | \$26.17  | \$27.75    |        |          |
| OPERATING ENGINEERS ZONE 1   |             |        |          |            |        |          |
| Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne counties   |             |        |          |            |        |          |

**GENERAL INFORMATION**

Page 17 of 20

| Classification   |             |  | Straight      | Time and a | Double  |          |
|--|-------------|--|---------------|------------|---------|----------|
| Name   | Description |  | Hourly        | Half       | Time    | Overtime |
| Provision  |             |  |               |            |         |          |
| =====  |             |  |               |            |         |          |
| OPERATING ENGINEERS CLASS IV ZONE 2  | RBOEC4Z2    |  | <b>WAGE</b>   | \$20.78    | \$31.17 | H H H H  |
| H  | H           |  | H             | H          | Y       |          |
|  |             |  | <b>FRINGE</b> | \$26.13    | \$27.69 |          |
| OPERATING ENGINEERS ZONE 2   |             |  |               |            |         |          |
| The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Washtenaw and Wayne |             |  |               |            |         |          |
| <b>Pipe and Manhole Rehab</b>  |             |  |               |            |         |          |
| General Laborer for rehab work or normal cleaning and cctv   | TM247       |  | <b>WAGE</b>   | \$19.99    | \$29.99 | H H H H  |
| H  | H           |  | H             | H          | N       |          |
| work-top man, scaffold man, CCTV assistant, jetter-vac assistant   |             |  |               |            |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21     | \$8.21  |          |
| Statewide  |             |  |               |            |         |          |
| Tap cutter/CCTV Tech/Grout Equipment Operator: unit driver   | TM247-2     |  | <b>WAGE</b>   | \$24.49    | \$36.74 | H H H H  |
| H  | H           |  | H             | H          | N       |          |
| and operator of CCTV; grouting equipment and tap cutting equipment   |             |  |               |            |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21     | \$8.21  |          |
| Statewide  |             |  |               |            |         |          |
| CCTV Technician/Combo Unit Operator: unit driver and   | TM247-3     |  | <b>WAGE</b>   | \$23.24    | \$34.86 | H H H H  |
| H  | H           |  | H             | H          | N       |          |
| operator of cctv unit or combo unit in connection with normal cleaning and televising work                     |             |  |               |            |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21     | \$8.21  |          |
| Statewide  |             |  |               |            |         |          |
| Boiler Operator: unit driver and operator of steam/water heater  | TM247-4     |  | <b>WAGE</b>   | \$24.99    | \$37.49 | H H H H  |
| H  | H           |  | H             | H          | N       |          |
| units and all ancillary equipment associated   |             |  |               |            |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21     | \$8.21  |          |
| Statewide  |             |  |               |            |         |          |

**GENERAL INFORMATION**

Page 18 of 20

| Classification   |             |  |               | Straight | Time and a | Double  | Overtime |
|--|-------------|--|---------------|----------|------------|---------|----------|
| Name   | Description |  |               | Hourly   | Half       | Time    |          |
| Provision  |             |  |               |          |            |         |          |
| =====  |             |  |               |          |            |         |          |
| =  |             |  |               |          |            |         |          |
| Combo Unit driver & Jetter-Vac Operator                  | TM247-5     |  | <b>WAGE</b>   | \$24.99  | \$37.49    |         | H H H H  |
| H  | H           |  | H             | H        | N          |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21   | \$8.21     |         |          |
| Statewide  |             |  |               |          |            |         |          |
| Pipe Bursting & Slip-lining Equipment Operator           | TM247-6     |  | <b>WAGE</b>   | \$25.99  | \$38.99    |         | H H H H  |
| H  | H           |  | H             | H        | N          |         |          |
|  |             |  | <b>FRINGE</b> | \$8.21   | \$8.21     |         |          |
| Statewide  |             |  |               |          |            |         |          |
| <b>Roadway Electrical</b>                                |             |  |               |          |            |         |          |
| Signal Tech, Communication Tech, Tower Tech, Fiber Optic | EC-17       |  | <b>WAGE</b>   | \$37.60  | \$56.40    | \$75.20 | H H H H  |
| H  | H           |  | H             | D        | Y          |         |          |
| Splicer  |             |  | <b>FRINGE</b> | \$16.28  | \$21.54    | \$26.81 |          |
| <b>Apprentice Rates:</b>                                 |             |  |               |          |            |         |          |
| 1st 6 months   |             |  | <b>WAGE</b>   | \$22.56  | \$33.84    | \$45.12 |          |
|  |             |  | <b>FRINGE</b> | \$12.07  | \$15.23    | \$18.39 |          |
| 2nd 6 months   |             |  | <b>WAGE</b>   | \$24.44  | \$36.66    | \$48.88 |          |
|  |             |  | <b>FRINGE</b> | \$12.59  | \$16.01    | \$19.43 |          |
| 3rd 6 months   |             |  | <b>WAGE</b>   | \$26.32  | \$39.48    | \$52.64 |          |
|  |             |  | <b>FRINGE</b> | \$13.12  | \$16.81    | \$20.49 |          |
| 4th 6 months   |             |  | <b>WAGE</b>   | \$28.20  | \$42.30    | \$56.40 |          |
|  |             |  | <b>FRINGE</b> | \$13.65  | \$17.60    | \$21.55 |          |
| 5th 6 months   |             |  | <b>WAGE</b>   | \$30.08  | \$45.12    | \$60.16 |          |
|  |             |  | <b>FRINGE</b> | \$14.17  | \$18.38    | \$22.59 |          |
| 6th 6 months   |             |  | <b>WAGE</b>   | \$33.84  | \$50.76    | \$67.68 |          |
|  |             |  | <b>FRINGE</b> | \$15.23  | \$19.97    | \$24.71 |          |
| Statewide  |             |  |               |          |            |         |          |

**GENERAL INFORMATION**

Page 19 of 20

| Classification   |             |                  | Straight     | Time and a   | Double       | Overtime |
|--|-------------|------------------|--------------|--------------|--------------|----------|
| Name   | Description |                  | Hourly       | Half         | Time         |          |
| Provision  |             |                  |              |              |              |          |
| =====  |             |                  |              |              |              |          |
| =  |             |                  |              |              |              |          |
| Operator A - operates at least 3 of the following: backhoe,<br>H excavator, directional bore or boom/digger truck.                                       | EC-17A<br>H | <b>WAGE</b><br>H | \$31.81<br>D | \$47.72<br>Y | \$63.62      | H H H H  |
|  |             | <b>FRINGE</b>    | \$14.66      | \$19.12      | \$23.57      |          |
| Road Builder Statewide   |             |                  |              |              |              |          |
| Operator B - operates any 2 of the following: backhoe, excavator,<br>H directional bore or boom/digger truck   | EC-17B<br>H | <b>WAGE</b><br>H | \$29.72<br>H | \$44.58<br>H | \$59.44<br>H | H D Y    |
|  |             | <b>FRINGE</b>    | \$14.07      | \$18.23      | \$22.39      |          |
| <b>Apprentice Rates:</b>   |             |                  |              |              |              |          |
|  |             | <b>WAGE</b>      | \$0.00       | \$0.00       |              |          |
|  |             | <b>FRINGE</b>    |              | \$0.00       |              |          |
| Road Builder Statewide   |             |                  |              |              |              |          |
| Groundman<br>H   | EC-17G<br>H | <b>WAGE</b><br>H | \$27.63<br>D | \$41.45<br>Y | \$55.26      | H H H H  |
|  |             | <b>FRINGE</b>    | \$13.49      | \$17.36      | \$21.23      |          |
| <b>TRUCK DRIVERS</b>   |             |                  |              |              |              |          |
| TRUCK DRIVERS ZONE 1 EUCLID TYPE EQUIPMENT<br>H  | TD1<br>H    | <b>WAGE</b><br>H | \$25.15<br>H | \$37.73<br>Y |              | H H H H  |
|  |             | <b>FRINGE</b>    | \$19.20      | \$11.46      |              |          |
| TRUCK DRIVERS ZONE 1<br>Genesee, Oakland, Macomb, Monroe, Livingston,<br>Washtenaw and Wayne   |             |                  |              |              |              |          |
| TRUCK DRIVERS ZONE 2 EUCLID TYPE EQUIPMENT<br>H  | TD2<br>H    | <b>WAGE</b><br>H | \$25.05<br>H | \$37.58<br>Y |              | H H H H  |
|  |             | <b>FRINGE</b>    | \$19.20      | \$11.46      |              |          |
| TRUCK DRIVERS ZONE 2<br>The entire state except those counties listed in Zone<br>1: Genesee, Oakland, Macomb, Monroe, Livingston,<br>Washtenaw and Wayne |             |                  |              |              |              |          |

**GENERAL INFORMATION**

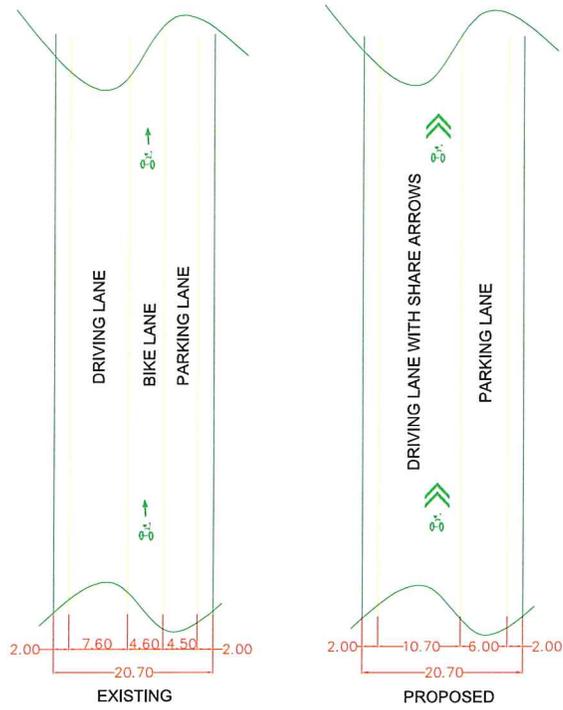
Page 20 of 20

| <u>Classification</u>  |  |           |           |                 |                 |             |          |
|--|--|-----------|-----------|-----------------|-----------------|-------------|----------|
| Name   | Description  |           |           | Straight Hourly | Time and a Half | Double Time | Overtime |
| Provision  |  |           |           |                 |                 |             |          |
| =====  |  |           |           |                 |                 |             |          |
| H  | TRUCK DRIVERS ZONE 1 8 YARD CAPACITY OR GREATER  | TD81<br>H | WAGE<br>H | \$25.00<br>H    | \$37.50<br>Y    |             | H H H H  |
|  |  |           | FRINGE    | \$19.20         | \$11.46         |             |          |
| TRUCK DRIVERS ZONE 1<br>Genesee, Oakland, Macomb, Monroe, Livingston, Washtenaw and Wayne  |  |           |           |                 |                 |             |          |
| H  | TRUCK DRIVERS ZONE 2 8 YARD CAPACITY OR GREATER  | TD82<br>H | WAGE<br>H | \$24.90<br>H    | \$37.35<br>Y    |             | H H H H  |
|  |  |           | FRINGE    | \$19.20         | \$11.46         |             |          |
| TRUCK DRIVERS ZONE 2<br>The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Livingston, Washtenaw and Wayne |  |           |           |                 |                 |             |          |
| H  | TRUCK DRIVERS ZONE 1 ALL TRUCKS (except dump trucks of 8 cubic yard capacity or over, tandem axle trucks, transit mix and semis, euclid type equipment, double bottoms and low boys) | TD91<br>H | WAGE<br>H | \$24.90<br>H    | \$37.35<br>Y    |             | H H H H  |
|  |  |           | FRINGE    | \$19.20         | \$11.46         |             |          |
| TRUCK DRIVERS ZONE 1<br>Genesee, Oakland, Macomb, Monroe, Livingston, Washtenaw and Wayne  |  |           |           |                 |                 |             |          |
| H  | TRUCK DRIVERS ZONE 2 All trucks (except dump trucks of 8 cubic yard capacity or over, tandem axle trucks, transit mix and semis, euclid type equipment, double bottoms and low boys) | TD92<br>H | WAGE<br>H | \$24.80<br>H    | \$37.20<br>Y    |             | H H H    |
|  |  |           | FRINGE    | \$19.20         | \$11.46         |             |          |
| TRUCK DRIVERS ZONE 2<br>The entire state except those counties listed in Zone 1: Genesee, Oakland, Macomb, Monroe, Livingston, Washtenaw and Wayne |  |           |           |                 |                 |             |          |

**DRAWING**



# LaVista Columbia to Territorial



ENGINEERING DEPARTMENT  
CITY OF BATTLE CREEK, MICHIGAN



|  |                     |              |
|--|---------------------|--------------|
| TITLE<br>LAVISTA BIKE LANE RECONFIGURATION |                     |              |
| DRAWN BY: MLM                              | APPROVED: DJC       | DATE: 1/2017 |
| SCALE: NTS                                 | SHEET 1 OF 1 SHEETS | DWG. NO.     |

## ATTACHMENTS

A –Chipseal Roads

B – Alley Treatments

C – Microsurfacing

D – Hot-In-Place

E – Seal, Single Chip, Modified

F – Crack Fill





## Attachment B - 2017 Chipseal - Alley Treatments

| Item          | Location      | Limits                 | Length (ft) | Width (ft) | Area (sft)       | Area (syd) |
|---------------|---------------|------------------------|-------------|------------|------------------|------------|
| 1             | Mint St.      | Washington to Meachem  | 950         | 10         | 9500             | 1055.56    |
| 2             | Rhimes Ave.   | Goguac to Battle Creek | 264         | 16         | 4224             | 469.33     |
| 3             | Alley #4      | Poplar to Union        | 680         | 10         | 6800             | 755.56     |
| 4             | Alley #5      | Alley #4 to Cherry     | 689         | 10         | 6890             | 765.56     |
| 5             | Alley #6      | Alley #4 to Cherry     | 753         | 10         | 7530             | 836.67     |
| 6             | Alley #8      | Wagner to Capital      | 1050        | 10         | 10500            | 1166.67    |
| 7             | Alley #9      | Orchard to Sherman     | 881         | 11         | 9691             | 1076.78    |
| 8             | Fremont Place | Orchard to Fremont     | 1415        | 12         | 16980            | 1886.67    |
| 9             | Alley #11     | Sherman to Emmett      | 1239        | 8          | 9912             | 1101.33    |
| 10            | Alley #13     | Hunter to Pitman       | 328         | 11         | 3608             | 400.89     |
| 11            | Harvard Ct.   | Harvard to Garfield    | 539         | 14         | 7546             | 838.44     |
| 12            | Hoffman Ct.   | Harvard to west end    | 214         | 14         | 2996             | 332.89     |
| 13            | Alley #15     | Calhoun to Glenwood    | 427         | 8          | 3416             | 379.56     |
| 14            | Alley #18     | Althea to Barney       | 295         | 10         | 2950             | 327.78     |
| <b>Total:</b> |               |                        |             |            | <b>11,393.67</b> |            |

**ATTACHMENT C- 2017 MICROSURFACING**

| Location         | Limits                            | Length (ft) | Width (ft) | Area (sft)        | Area (syd)       | Asphalt Curb(ft) | 4" Yellow     | 24" S.B.      | 6" Crosswalk  | 12" White    |
|------------------|-----------------------------------|-------------|------------|-------------------|------------------|------------------|---------------|---------------|---------------|--------------|
| Alco Ave         | S 28th St - Apperson Rd           | 501         | 31         | 15531             | 1,725.67         | 870              |               |               |               |              |
| Ansted Dr        | Alco Ave - Apperson Rd            | 411         | 30.5       | 12535.5           | 1,392.83         | 730              |               |               |               |              |
| Apperson Rd      | S 28th St - south end             | 1370        | 30         | 41100             | 4,566.67         | 2,215            |               |               |               |              |
| Applewood Pl     | Country Club Ter - Briarhill Dr   | 495         | 26         | 12870             | 1,430.00         |                  |               |               |               |              |
| Beachfield Dr    | Riverside Dr - east end           | 2460        | 30         | 73800             | 8,200.00         |                  |               | 15            | 73            |              |
| Briarhill Dr     | Riverside Dr - Country Club Ter   | 2450        | 26         | 63700             | 7,077.78         |                  |               | 17            | 90            |              |
| Cherry Ln        | Country Club Ter - Briarhill Dr   | 503         | 25         | 12575             | 1,397.22         |                  |               |               |               |              |
| Country Club Ter | Riverside Dr - Briarhill Dr       | 3050        | 26         | 79300             | 8,811.11         |                  |               | 20            | 95            |              |
| Edgebrook Dr     | Hillbrook Dr - Lift Station (O-2) | 1510        | 32         | 48320             | 5,368.89         | 2,600            |               |               |               |              |
| Highland Ave     | W Columbia Ave - Latimer Ln       | 395         | 21         | 8295              | 921.67           |                  |               | 11            |               |              |
| Hillbrook Dr     | Edgebrook Dr - E Minges Rd        | 1275        | 32         | 40800             | 4,533.33         | 2,178            |               |               |               |              |
| Lynwood Dr       | N Minges Rd - Eastern most Creek  | 1770        | 22         | 38940             | 4,326.67         |                  | 434           | 9             | 51            |              |
| Minges Cir       | Entire length                     | 1873        | 32         | 59936             | 6,659.56         | 3,182            |               |               |               |              |
| Minges Rd E      | Riverside Dr - Hillbrook Dr       | 2920        | 32         | 93440             | 10,382.22        | 4,605            |               | 22            | 92            | 72           |
| Turner St        | W Michigan Ave - W Van Buren St   | 310         | 34         | 10540             | 1,171.11         |                  |               | 11            | 61            |              |
| <b>TOTALS:</b>   |                                   |             |            | <b>611,682.50</b> | <b>67,964.72</b> | <b>16,380.00</b> | <b>434.00</b> | <b>105.00</b> | <b>462.00</b> | <b>72.00</b> |

## Attachment D - 2017 Hot-in Place

| Location        | Limits                      | Length (ft) | Width (ft) | Area (sft)   | Area (syd)      |
|-----------------|-----------------------------|-------------|------------|--------------|-----------------|
| Beckman Ave     | Territorial to Columbia     | 2203        | 23.5       | 51770.5      | 5752.28         |
| Lavista Blvd    | Territorial to Columbia     | 4370        | 31         | 135470       | 15052.22        |
| Minges Creek Pl | Beckley to Glen Cross       | 2924        | 38         | 113667.02    | 12629.67        |
| N 20th St       | Michigan to Industrial Park | 1292        | 29         | 37468        | 4163.11         |
| <b>TOTAL:</b>   |                             |             |            | <b>10789</b> | <b>37597.28</b> |

Mileage: 2.04

### Attachment E - 2017 Seal, Single Chip, Modified

| LOCATION               | LIMITS                  | LENGTH | WIDTH  | SFT              | SYD      |
|------------------------|-------------------------|--------|--------|------------------|----------|
| Highland Blvd W        | West end to 20th        | 9537   | 40     | 381480           | 42386.67 |
| N 25th St              | Goguoac to Highland     | 1316   | 23.5   | 30926            | 3436.22  |
| N 26th St              | Floral to Highland      | 1063   | 23     | 24449            | 2716.56  |
| Spartan Dr             | Limit to Wolverine      | 275    | 24     | 6600             | 733.33   |
| Verona Pumping Station | Brigden dr to North End | 1081   | Varies | 25200            | 2800.00  |
| Wolverine Dr           | Waubascon to Spartan    | 472    | 19     | 8968             | 996.44   |
| Ridgemoor Ave          | Michigan to Limit       | 2874   | 24     | 68976            | 7664.00  |
| Waubascon Rd           | Morgan to Limit         | 2605   | 22     | 57310            | 6367.78  |
| Limit St               | Waubascon to Roseneath  | 4421   | 22     | 97262            | 10806.89 |
| <b>TOTAL:</b>          |                         |        |        | <b>77,907.89</b> |          |

## Attachment F- 2017 Crack Fill

| Location         | Limits                              | Length(ft) | Lanes | Lane-feet    |
|------------------|-------------------------------------|------------|-------|--------------|
| Bechman Ave. N   | Territorial Rd. W - Goguac St. W    | 2610       | 2     | 5220         |
| Beckwith Rd.     | Capital Ave. SW - Cascade Dr.       | 1094       | 2     | 2188         |
| Beckwith Rd.     | Oakside Dr. - Hamilton Ln. E.       | 1170       | 2     | 2340         |
| Birch Hill Dr.   | Christy Dr. - Shortridge Rd.        | 1830       | 2     | 3660         |
| Brookfield Dr.   | Birch Hill Dr. - Riverside Dr.      | 380        | 2     | 760          |
| Cass St. N       | VanBuren St. W - Champion St.       | 282        | 2     | 564          |
| Cherrywood Ln.   | Helmer Rd. S - end Phase I          | 1485       | 2     | 2970         |
| Christy Dr.      | Entire Road                         | 1490       | 2     | 3010         |
| Christy Rd.      | Entire Road                         | 1505       | 2     | 2980         |
| Fairfield Ave.   | Woodrow Ave. S - Arbor St.          | 685        | 2     | 1370         |
| Flora Ln.        | Knapp Dr. - Summit Dr.              | 313        | 2     | 626          |
| Hamilton Ln. E   | Capital Ave. - Riverside Dr.        | 2685       | 2     | 5370         |
| Illinois St.     | Lathrop Ave. - Kingman Ave. E       | 1097       | 2     | 2194         |
| Langley Rd.      | Capital Ave. - Hamilton Ln. E       | 1935       | 2     | 3870         |
| LaVista Blvd. S  | Waweenork Dr. - Honey Ln.           | 854        | 2     | 1708         |
| Liberty St.      | McCamy St. S - Capital Ave. SW      | 750        | 2     | 1500         |
| Meadow Dr.       | Capital Ave. SW - Riverside Dr.     | 2650       | 2     | 5300         |
| Oakside Dr.      | Beckwith Dr. - Rebecca Rd.          | 353        | 2     | 706          |
| Parkway Dr.      | Langley Rd. E - Beckwith Rd.        | 605        | 2     | 1210         |
| Plymouth Ave.    | Parkway Dr. - Jordan St.            | 882        | 2     | 1764         |
| Poplar St.       | VanBuren St. E - Capital Ave. NE    | 1300       | 2     | 2600         |
| Rebecca Rd.      | Capital Ave. SW - Oakside           | 689        | 2     | 1378         |
| Shortridge Rd.   | Entire Road                         | 1050       | 2     | 2100         |
| South Ave.       | Oakhill Dr. to Dickman Rd. E        | 1222       | 2     | 2444         |
| Stone Ave.       | Porter St. - First St.              | 220        | 2     | 440          |
| Summit Dr.       | Flora Ln. - Knapp Dr.               | 1130       | 2     | 2260         |
| Watkins Ln.      | Minges Rd. S east for entire length | 3379       | 2     | 6758         |
| Waupakisco Beach | 200'                                | 200        | 2     | 400          |
| Westfield Dr.    | Northfield Dr. - Southfield Dr.     | 1080       | 2     | 2160         |
| Wood St. N       | Parkway Dr. - Greenwood Ave.        | 857        | 2     | 1714         |
| <b>TOTAL:</b>    |                                     |            |       | <b>71564</b> |
| <b>LN MILE</b>   |                                     |            |       | <b>12.30</b> |

| Location        | Limits                                 | Length(ft) | Lanes | Lane-feet    |
|-----------------|--|------------|-------|--------------|
| Burnham St. E   | Fonda - South Ave.                     | 1087       | 2     | 2174         |
| Capital Ave. NE | Michigan Ave. - North Ave              | 1315       | 4     | 4860         |
| Capital Ave. SW | Dickman Rd. W - Michigan Ave.          | 1919       | 3     | 7676         |
| Carl Ave.       | Dickman Rd W-south entr. to Freedom Ln | 1250       | 2     | 2500         |
| Goguac St. E    | Capital Ave. SW - Riverside Dr.        | 1268       | 2     | 2536         |
| Gould St.       | Michigan Ave. W - VanBuren St. W.      | 282        | 2     | 564          |
| Jackson St. W   | Kendall St. S - Washington Ave. S      | 1743       | 4     | 6972         |
| McCamy St. N    | State St. W - VanBuren St. W           | 446        | 3     | 1338         |
| Union St.       | Capital Ave.- VanBuren St.             | 1250       | 2     | 2500         |
| <b>TOTAL:</b>   |  |            |       | <b>31120</b> |
| <b>LN MILE</b>  |  |            |       | <b>5.35</b>  |

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