

City of Mt. Pleasant, Michigan

# **CONTRACT DOCUMENTS**

For Construction  
of

2013 Mission Street Connector Road #1



**KATHLEEN L. LING**  
Mayor

**KATHIE GRINZINGER**  
City Manager

Prepared By:  
Fleis & VandenBrink Engineering, Inc.  
Midland, MI

**STEVE HEIN**  
Interim DPW Director

June 2013

City of Mt. Pleasant, Michigan

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# THE CITY OF MT. PLEASANT, MICHIGAN

## CITY HALL

320 W. Broadway • 48858-2447  
(989) 779-5300  
(989) 773-4691 fax

## PUBLIC SAFETY

804 E. High • 48858-3595  
(989) 779-5100  
(989) 773-4020 fax

## PUBLIC WORKS

1303 N. Franklin • 48858-4682  
(989) 779-5400  
(989) 772-6250 fax

## NOTICE TO BIDDERS

### 2013 Mission Street Connector Road #1

The City of Mt. Pleasant, Michigan, is requesting sealed bids at the Office of the City Clerk, City Hall, 320 W. Broadway, Mt. Pleasant, Michigan 48858, until 1:30 p.m. (local time), on July 16, 2013, at which time and place the bids will be publicly opened and read. All bids shall be submitted in a sealed envelope, plainly marked "2013 Mission Street Connector Road #1 – July 16, 2013."

Proposals are solicited on a unit price basis, for the following work (approx. quantities):

HMA Base Crushing and Shaping	2840	SYD
Aggregate Base, 8 inch	225	SYD
Subbase, CIP	150	CYD
Curb and Gutter Construction	1400	FT
Sidewalk Construction	1900	SFT
Concrete Pavement	300	SYD
Bituminous Paving	500	TON

All bid proposals must be accompanied by a bid bond, bank cashier's check, bank draft, or certified check for not less than five percent (5%) of the bid price, made payable to the City of Mt. Pleasant.

A Pre-Bid meeting will not be held.

This project is not subject to Prevailing Wage law.

To view and download complete Plans and Specifications at no charge, visit the City of Mt. Pleasant website at [www.mt-pleasant.org](http://www.mt-pleasant.org) and navigate to the [bids and quotes](#) page.

A non-refundable \$50.00 fee is required for plans and specifications picked up at the Public Works Building, 1303 N. Franklin Street, Mt. Pleasant, Michigan 48858, (989) 779-5401, Monday through Friday, 8:00 a.m. to 4:30 p.m. A non-refundable \$60.00 fee is required for plans and specifications that must be mailed.

The City of Mt. Pleasant reserves the right to accept or reject any or all bids, to waive any irregularities in the bids, and to select the bid considered most advantageous to the City.

Jen Flachs  
Engineering Aide  
(989) 779-5406

Jeremy Howard  
City Clerk

City of Mt. Pleasant, Michigan  
**INSTRUCTIONS TO BIDDERS**

1. **Proposals**

Proposals must be made upon the forms provided therefore, with the Bid amount both written and shown in figures, and all other data required submitted.

The Proposal, bound together with all Proposal Documents, must be enclosed in a sealed envelope marked as specified in the Notice to Bidders for such Bid and clearly indicating the name and address of the Bidder and must be received by the City Clerk, City Hall, 320 West Broadway Street, Mt. Pleasant, Michigan 48858, no later than the time and date specified in the Notice to Bidders. At such specified time, Proposals shall be publicly opened and read aloud.

2. **Basis of Proposals**

Proposals are solicited on the basis of unit price(s) and/or lump sum(s), as specified on the Proposal form.

The City of Mt. Pleasant (also referred to as "Owner"), reserves the right to accept any Bid, to reject any or all Bids, to waive any irregularities in the Bids, and to select the Bid considered most advantageous to the city.

3. **Comparison of Bids**

In comparing Bids, consideration shall be given to the time proposed for completion of the Contract, qualifications of Bidder, price differentials, alternate Proposals for the alternate items listed in the Proposal (if applicable), and any other pertinent factors. **The City of Mt. Pleasant grants a preference to businesses located within the Mt. Pleasant City Limits. The preference given is a differential above the low bid if the low bid is not from a City of Mt. Pleasant bidder. The differential allowed is 3% of the total for bids between \$5,000 and \$9,999 and 2% of the total for bids over \$10,000. The maximum credit allowed is \$1500.00.** The Owner reserves the right to make an award to the Bidder whose Proposal is deemed to be in the best interest of the Owner.

4. **Time**

Time is of the essence in the performance of the Contract, and each Bidder, by submitting a Proposal, certifies his/her acceptance of the time allowed by the Contract for the completion of the work specified.

5. **Indemnification**

The Contractor shall save and hold harmless the city and its employees from and against all claims, damages, losses, or expenses, including attorney's fees, arising out of or resulting from the performance of the work; provided that any such claim, damage, loss or expense is caused in whole or in part by any negligent or willful act of omission of the contractor, subcontractor, employee, or anyone under their direction. The Contractor shall at his/her own expense, defend any and all such actions and shall pay all attorney's fees, costs, and expenses pertaining thereto.

6. **Bid Deposits**

Each Proposal shall be accompanied by a certified check, bank cashier's check, bank draft, or a Bid Bond by a recognized Surety Company similar to a U. S. Government Standard Form Bid Bond, in the amount of five percent (5%) of the total amount of the Bid, made payable to the City of Mt. Pleasant, subject to forfeiture to the Owner in the event of failure on the part of the successful Bidder to enter into the attached form of agreement to do the work specified by said Proposal at the price and within the time stated therein. The Bid Deposit of all Bidders, except the three (3) lowest acceptable Bidders, shall be returned within two (2) weeks after opening of bids. The bid deposits of the three (3) lowest acceptable bidders shall be returned within 48 hours after the executed Contract(s) have been finally approved by the Owner.

7. **Liquidated Damages**

A liquidated damage clause, as given in the Contract form, provides that the Contractor shall pay the Owner as liquidated damages, and not as a penalty, the amount as indicated in Section 108.10 of the 2012 MDOT Standard Specifications for Construction for each and every calendar day that the Contractor may be in default of substantial completion of the work required under said Contract.

8. **Insurance and Bonds**

The successful Bidder will be required to execute (2) Bonds, in the form attached hereto, with Surety acceptable to the Owner and insurance, as follows:

- a. Bond in the amount of 100% of the Estimated Contract Price running to the City of Mt. Pleasant, Michigan, to insure the completion of the entire work, according to the statutes of the State of Michigan in effect at that time.
- b. Bond in the amount of 100% of the Estimated Contract Price running to the People of the State of Michigan for the protection of Subcontractors and Labor and Material Men, according to the statutes of the State of Michigan in effect at that time.
- c. Insurance in the amounts required by City Ordinance as specified in the Section 1 - General Construction Specifications, attached hereto.

The successful bidder shall be required to furnish for each set of executed Contract Documents, and conformed copies thereof, an original conformed Performance Bond, Labor and Materials Bond, and Insurance Certificates.

9. **Permits and Local Codes**

The Owner shall procure the required permits for municipal sanitary sewer construction, municipal water system construction, and soil erosion control.

The Contractor shall obtain, at his/her expense, all other required local construction permits and shall comply with local building code and inspection requirements.

10. **Qualifications of Bidders**

It is the intent of the Owner to award the Contract to a Bidder fully capable, both financially and with regard to experience, to perform and complete all work in a satisfactory and timely manner. Evidence of such competency must be furnished on the forms included in the proposal, listing projects of similar difficulty, scope of work, and size, which the Bidder has satisfactorily undertaken and completed.

It is the intention of the City to award the contract to a Contractor whose ability and financial resources are fully equal to the task of performing the work in a satisfactory manner. With this in view, the Proposal calls for at least five (5) references, using specific names of persons to contact concerning the Contractor's ability to do this particular class of work. References from municipalities are preferred. The mere ability to furnish a Performance Bond shall not be accepted as sufficient evidence of responsibility on the part of the Bidder. The Bidder may also be required to furnish evidence of his current financial status.

11. **Interpretation of Documents**

If any Bidder is in doubt as to the true meaning of any part of the Plans, Specifications or any Contract Document, he/she may submit to the Owner a written request for an interpretation thereof. Any interpretation made in response to such a query shall be made only by Addendum, duly issued, and a copy of such Addendum shall be mailed or duly delivered to each prospective Bidder. The Owner shall not be responsible for any other explanation or interpretation of the Contract Documents. Alternative proposals that are suggested by bidders will be given consideration, if presented before the bid opening. If accepted, an addendum will be issued and sent out to all potential bidders, so that they may bid on the alternatives that have been identified.

12. **Execution of Bid Proposal**

A Bid Proposal, which is not signed by the individual making it, should have attached thereto a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the person for whom it is signed.

A Bid Proposal, which is signed by a partnership, shall be signed by all of the partners or by an Attorney-in-Fact. If signed by an Attorney-in-Fact, there should be attached to the Bid a Power of Attorney evidencing authority to sign the Bid Proposal in the name of the partnership and such Power of Attorney shall be signed by all partners of the partnership.

A Bid Proposal, which is signed for a corporation, should have the correct corporate name thereof and the signature of the President, or other authorized officer(s) of the corporation, manually written below the corporate name and on the line indicating "By:\_\_\_\_\_." If such a Bid Proposal is manually signed by an officer other than the President of the corporation, a certified copy of a Resolution of the Board of Directors evidencing the authority of such officer(s) to sign the Bid Proposal should be attached thereto. Such a Bid Proposal should also bear the attested signature of the Secretary of the corporation and an impression of the corporate seal.

13. **Execution of Contract**

The successful Bidder to whom an award is made shall be required to enter into a written agreement, in the form attached hereto, within ten (10) days after receipt of a Notice of Award and copies of the documents to be executed. In the event the successful Bidder fails to comply with this provision, he/she may be considered by the Owner to have abandoned all his/her rights and interests in the award and his/her certified check or amount of the Bid Bond may be declared to be forfeited to the Owner, and the Contract may be awarded to another.

14. **Bidder Responsibility For Conditions of Work and Site**

The Bidder, or his/her representative, shall make personal investigation of the site of work and of existing structures and shall determine to his/her own satisfaction the conditions to be encountered, the nature of the ground, the difficulties involved in making connections to existing structures and pipes, and any and all other factors affecting the work proposed under the Contract.

The Bidder to whom the Contract is awarded shall not be entitled to any additional compensation by reason of conditions being different from those anticipated or by reason of his/her failure to fully acquaint himself/herself with the conditions at the site affecting the work of the Contract.

15. **Changes in Work**

If any change is required to be made in the work of the Contract, a payment adjustment therefore shall be determined as specified in Section 103 of the 2012 MDOT Standard Specifications for Construction.

16. **Prevailing Wage**

This project is **not** subject to Prevailing Wage laws.

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Revised: June 2013

City of Mt. Pleasant, Michigan  
**BID PROPOSAL**

**2013 MISSION STREET CONNECTOR ROAD #1**

TO: City Hall/City Clerk  
320 W. Broadway Street  
Mt. Pleasant, MI 48858

BID DATE: July 16, 2013  
TIME: 1:30 p.m.

The undersigned, as Bidder, hereby declares that his bid is made in good faith without fraud or collusion with any person or persons bidding on the same Contract; that he has carefully read and examined the Contract Documents, including the Notice to Bidders, Instructions, Bond Forms, Technical and Detailed Specifications, and Contract Drawings, for the designated work and understands all of the same; that he, or his representative, has made such a personal investigation at the site as is necessary to determine the character and difficulties attending the execution of the proposed work; and he proposes and agrees that if this Proposal is accepted, he will contract with the Owner in the form of the Contract hereto annexed, to provide necessary machinery, tools, apparatus and other means of construction, including utility and transportation services, necessary to do all the work and furnish all the materials and equipment specified or referred to in the Contract Documents, including Addenda No. \_\_, \_\_, and \_\_, in the manner and time therein prescribed, and according to the requirements of the Owner as therein set forth to furnish Contractor Bonds and Insurance required of the Contractor by the Contract Documents, and that he will take in full payment therefore the unit prices set forth in the following Proposal.

The Bidder understands that the Owner reserves the right to reject any or all bids and to waive any irregularities in the bidding.

The Bidder agrees that his bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving the bids.

Upon receipt of a written Notice of Award of the Bid, the Bidder shall execute the formal Contract Agreement attached hereto within ten (10) days and shall deliver to the Owner a Surety Bond or Bonds required. In the event the Contract and Bond are not executed within the time above set forth, the Bid Deposit attached in the sum of five percent (5%) of the Bid Proposal shall become the property of the Owner as liquidated damages for the delay and additional expense to the Owner caused thereby.

The Bidder hereby agrees to commence work under this Contract on or before date to be specified in the written Notice to Proceed executed by the Owner and to fully complete the project as stipulated in the Special Conditions. The Bidder further agrees to pay as liquidated damages the sum of Two Hundred Dollars (\$200.00) for each consecutive calendar day thereafter, as provided.

The below unit prices shall include all labor, materials, overhead, profit, insurance,  
2013 MISSION STREET CONNECTOR ROAD #1

etc., to cover the finished work of the several kinds specified, and the Bidder agrees to perform all of the work described in the Specifications and/or shown on the Plans for the following unit prices:

**CONNECTOR ROAD**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
1	HMA Base Crushing and Shaping, Modified	2400	SYD	\$	\$
2	Excavation, Earth	60	CYD	\$	\$
3	Embankment, CIP	60	CYD	\$	\$
4	Curb and Gutter, Rem	240	FT	\$	\$
5	Sidewalk, Rem	35	SYD	\$	\$
6	Pavt, Rem	25	SYD	\$	\$
7	Subbase, CIP	45	CYD	\$	\$
8	Curb, Conc, Det E2	230	FT	\$	\$
9	Curb, Conc, Det F2	520	FT	\$	\$
10	Curb, Conc, Det F4	25	FT	\$	\$
11	Spillway, Conc	2	EA	\$	\$
12	Driveway, Opening, Conc, Det M	255	FT	\$	\$
13	Dr Structure, Repair	4	EA	\$	\$
14	Dr Structure Cover, CB, Modified	1	EA	\$	\$
15	Dr Structure Cover, Adj, Case 2	2	EA	\$	\$
16	Conc Pavt, Reinf, 6 inch	250	SYD	\$	\$
17	Sidewalk, Conc, 4 inch	220	SF	\$	\$
18	Sidewalk, Conc, Thickened Edge, 4 inch	550	SF	\$	\$
19	Decorative Colored Conc. Slab, 6 inch	580	SF	\$	\$
20	Sidewalk Ramp, Conc, 6 inch	100	SF	\$	\$
21	Detectable Warning Surface	10	FT	\$	\$
22	Expansion Jt, Backer Rod, Caulk	155	FT	\$	\$
23	HMA, 3C, Leveling Course (2 inch)	1820	SYD	\$	\$
24	HMA, 4C, Top Course (1.5 inch)	1820	SYD	\$	\$
25	Pavt Mrkg, Waterborne, 4 inch,	1	LS	\$	\$
26	Pavt Mrkg, Ovly Cold Plastic, Right Arrow	1	EA	\$	\$
27	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	15	FT	\$	\$
28	Stop Sign	1	EA	\$	\$
29	Right Turn Only Sign	1	EA	\$	\$
30	No Left Turn Sign	1	EA	\$	\$
31	Gate Box, Adj, Case 2	1	EA	\$	\$
32	Restoration, Modified	300	SYD	\$	\$
33	Dumpster Enclosure	1	LS	\$	\$
34	Minor Traffic Devices	1	LS	\$	\$

35	Testing (Allowance)	1	LS	\$ 2,500.00	\$ 2,500.00
36	Preconstruction Audio Video Recording	1	LS	\$	\$

**SUBTOTAL \$**

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**(figures)**

(written)

\_\_\_\_\_ and \_\_\_\_/100 Dollars

**CMU APPROACH**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
37	Excavation, Earth	155	CYD	\$	\$
38	Tree, Rem	19	EA	\$	\$
39	Stump, Rem	19	EA	\$	\$
40	Sidewalk, Rem	94	SYD	\$	\$
41	Subbase, CIP	75	CYD	\$	\$
42	Aggregate Base, 8 inch	207	SYD	\$	\$
43	Curb, Conc, Det F2	107	FT	\$	\$
44	Sewer, CI A, 12 inch, Tr Det B	6	FT	\$	\$
45	Sewer Tap, 12 inch	2	EA	\$	\$
46	Dr Structure Cover, CB, Modified	2	EA	\$	\$
47	Drop Inlet, Type 1	2	EA	\$	\$
48	Conc Pavt, Reinf, 6 inch (CMU 8' walk, w/ stone base)	54	SYD	\$	\$
49	Sidewalk, Conc, 4 inch	125	SF	\$	\$
50	Detectable Warning Surface	40	FT	\$	\$
51	HMA, 3C, Leveling Course (2 inch)	207	SYD	\$	\$
52	HMA, 4C, Top Course (1.5 inch)	207	SYD	\$	\$
53	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	105	FT	\$	\$
54	Pavt Mrkg, Ovly Cold Plastic, 18 inch, Stop Bar	18	FT	\$	\$
55	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Crosswalk	42	FT	\$	\$
56	Stop Sign	1	EA	\$	\$
57	Restoration, Modified	150	SYD	\$	\$
58	Minor Traffic Devices	1	LS	\$	\$
59	Testing (Allowance)	1	LS	\$ 300.00	\$ 300.00
60	Preconstruction Audio Video Recording	1	LS	\$	\$

**SUBTOTAL \$**

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(figures)

(written)

\_\_\_\_\_ and \_\_\_\_/100 Dollars

**PAPA JOHN'S ENTRY AND PARKING**

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL COST
61	HMA Base Crushing and Shaping	500	SYD	\$	\$
62	Excavation, Earth	65	CYD	\$	\$
66	Embankment, CIP	40	CYD	\$	\$
64	Curb and Gutter, Rem	220	FT	\$	\$
65	Sidewalk, Rem	35	SYD	\$	\$
66	Pavt, Rem	10	SYD	\$	\$
67	Subbase, CIP	30	CYD	\$	\$
68	Aggregate Base, 8 inch	110	SYD	\$	\$
69	Curb, Conc, Det F2	160	FT	\$	\$
70	Curb, Conc, Det F4	10	FT	\$	\$
71	Driveway, Opening, Conc, Det M	100	FT	\$	\$
72	Sewer, CI A, 12 inch, Tr Det B	15	FT	\$	\$
73	Dr Structure Cover, CB, Modified	1	EA	\$	\$
74	Dr Structure Cover, Adj, Case 2	1	EA	\$	\$
75	Dr Structure, 36 inch dia	1	EA	\$	\$
76	Dr Structure, Tap, 12 inch	1	EA	\$	\$
77	Sidewalk, Conc, 4 inch	320	SF	\$	\$
78	HMA, 3C, Leveling Course (2 inch)	475	SYD	\$	\$
79	HMA, 4C, Top Course (1.5 inch)	475	SYD	\$	\$
80	Pavt Mrkg, Waterborne, 4 inch,	1	LS	\$	\$
81	Restoration, Modified	200	SYD	\$	\$
82	Minor Traffic Devices	1	LS	\$	\$
83	Testing (Allowance)	1	LS	\$ 750.00	\$ 750.00
84	Preconstruction Audio Video Recording	1	LS	\$	\$

**SUBTOTAL \$**

=====

(figures)

(written)

\_\_\_\_\_ and \_\_\_\_/100 Dollars

**GRAND TOTAL BID**

**\$**

=====

**(figures)**

(written)

\_\_\_\_\_ and \_\_\_\_/100 Dollars

The bid sections above are for accounting purposes only. The entire project will be awarded as one contract.

RESPECTFULLY SUBMITTED:

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ ST \_\_\_\_\_ Zip Code \_\_\_\_\_

Area Code/Telephone Number \_\_\_\_\_ Date \_\_\_\_\_

Fax \_\_\_\_\_

EMAIL \_\_\_\_\_

Authorized Signature \_\_\_\_\_

Print of Type Name and Title \_\_\_\_\_

# EXPERIENCE QUESTIONNAIRE

To be furnished by Bidder  
City of Mt. Pleasant, Michigan

**The signatory of this proposal guarantees the truth and accuracy of all statements and of all answers hereinafter made.**

1. How many years have you been in business as a contractor under your present name?

\_\_\_\_\_

2. How many years have you been a principal officer of a firm under a different name?

\_\_\_\_\_

Name of Firm \_\_\_\_\_

3. What projects of a similar nature has your organization contracted for within the past five years? (NOTE: Fill out each blank completely.)

<b>Name of Owner &amp; Location</b>	<b>Name/Address/Phone # of Person in Charge as Reference</b>	<b>Type of Work</b>	<b>Value of Work</b>	<b>Date Completed</b>
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1.

2.

3.

4.

**City of Mt. Pleasant, Michigan  
SUPPLEMENTAL SPECIFICATIONS**

**2013 Mission Street Connector Road #1**

Construction Specifications

The work under this contract shall be completed following the 2012 MDOT Standard Specifications for Construction along with the City of Mt. Pleasant 2012 Standard Special Provisions, except as modified herein.

1. Time Constraints

Completion of this project within the time constraints described below is essential. The Contractor shall begin work on the project on July 29, 2013. Contractor has 6 weeks to complete the project from start of construction.

The west end of the project that is on CMU property must be complete and East Campus Drive open with no lane closures by August 15, 2013. The limits of this work are noted on the plans.

2. Construction Phasing

- A. All curb and gutter, HMA, sidewalk, and storm drainage at the west end of the project on CMU property shall be complete by August 15, 2013. East Campus Drive shall be open to traffic with no lane closures.
- B. The new approach for Papa John's needs to be completed before the east end of the new road can be started. The existing Papa John's parking lot shall not be removed at this time. This existing Papa John's approach shall be left in place and utilized while the new approach is being constructed.
- C. After the new approach is complete, the existing Papa John's approach can be removed and the east end of the new road can be constructed.
- D. After the new road is complete, the parking lot for Papa John's can be removed and replaced.

3. Holidays

No work is to be scheduled by the contractor on Sundays, nor on the following holidays or holiday weekends:

Labor Day	8/31/2013 to 9/2/2013
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#### 4. Access

Access to driveways for local residents, schools, and businesses shall be maintained and available for use. All driveways shall be opened by the contractor when the contractor is not working, including all evenings, Sundays, and holidays, except as approved in writing by the inspector and with written notification to the residents/owners.

#### 5. Refuse and Recyclable Collection

The Contractor shall schedule the work to allow and provide access for refuse and recycling contractors to provide their services to the businesses. If the refuse and recycling contractors are unable to collect materials due to construction operations, then the construction contractor shall collect and dispose of the refuse and collect and deliver the recyclable material to the Material Recovery Facility (MRF) on River Road at no cost to the City. It is the responsibility of the construction contractor to contact the refuse and recycling contractors to coordinate operations.

#### 6. Audio-Video Recording

An aboveground audio-video recording of the construction area along and adjacent to the project meeting the requirements of the Special Provision for Preconstruction Audio-Video Recording is required. Deliver to DPW prior to mobilization.

#### 7. Location Verification

The Contractor shall excavate, as the Contractor deems necessary, or at the direction of the Engineer, all points of the pipe connection or reconnection to verify the material, condition, location, alignment, and elevation prior to setting of manholes, valves, tees, or bends. The cost of this work and the temporary and permanent restoration thereof shall be included in the various unit prices for the project.

#### 8. Concrete Removal

Sidewalk, concrete drives, and curb and gutter removal shall be to existing construction joints. Unbroken joints shall be saw cut prior to removal. If a saw cut can be made where the remaining section is undisturbed, unbroken or unjointed, and is five feet (5') in length at its least direction, then removal may be to that point.

#### 9. Excavated Material

All excavated material, concrete, asphalt, broken pipe, and other material shall become the property of the Contractor for disposal, except as noted.

#### 10. Tree Protection and Preservation

The Contractor shall protect and preserve trees within the construction area. If the Contractor causes tree damage resulting from non-compliance with the tree crossing detail, or if excessive damage occurs to the trunk or main limbs of a tree, the Contractor shall pay for the damages to the tree. The value of the tree shall be the amount appraised by the City's tree consultant. The Contractor shall also pay for the cost of removal in the event the damaged tree must be removed within a two-year period.

#### 11. Truck Route Streets

The Contractor shall not allow any trucks, or equipment associated with this project to be driven on non-truck route City streets. The Contractor shall ensure that all trucks and equipment associated with the project travel only on streets identified as truck route streets on the Truck Route Map in the construction specification details. If any of the Contractors, the Contractors' subs, and/or suppliers, are seen driving on other City streets, the Contractor shall be required to pay for resurfacing the street with a polymer-modified asphalt approved by the City at a rate of application determined by the City.

#### 12. Utility Location

The Contractor shall expose all existing utilities and services that will be crossed by proposed pipe. Utility locations and elevations, as shown on the plans, are approximations and shall be verified by the Contractor prior to beginning any work. The Contractor is required to call the MISS DIG system as noted in the Standard Construction Specifications.

#### 13. Soil Borings

No soil boring were obtained for this project. Should a bidder desire to make soil borings within the proposed roadway, the Contractor making the borings shall first obtain a permit from Public Works. Insurance meeting the requirements of the City of Mt. Pleasant is required. The soil boring permit fee is \$25.00 per hole, and will be refunded if the results of the soil boring in the form of a soil-boring log are submitted to the City Engineer within one week after the close of bidding.

#### 14. Insurance

The contractor shall carry insurance that will provide for the full replacement cost of any property that is damaged during the project. The contractor shall also pay the immediate costs of the homeowner/resident in the event an incident occurs, while waiting for the insurance company to make

compensation. Immediate costs include but are not limited to: Hotel/Motel bills and meals if the building is unusable, costs for basic necessities such as beds or clothes in the event they are damaged.

15. Project Meetings

The contractor shall attend weekly progress meetings with the Engineer to provide updates on the project, the schedule of work for the following week, and to resolve outstanding issues.

16. Pre-Bid Meeting

There will not be a pre-bid meeting on this project.

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**TECHNICAL SPECIFICATIONS**

City of MtPleasant

1 of 1

April 12

**GENERAL REQUIREMENT**

The 2012 MDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION shall govern all technical specifications of this contract. The following parts of the contract will prevail over all other parts in the following order:

- A. Special Provisions
- B. Supplemental Specifications
- C. Project Plans and Drawings
- D. City of Mt. Pleasant Standard Special Provisions
- E. MDOT Standard Plans
- F. MDOT Standard Specifications
- G. City of Mt. Pleasant Standard Construction Specifications

The Contractor shall not take advantage of any apparent error or omission in the contract documents. If any uncertainty, inconsistency, omission, or conflict is discovered in the contract documents, the Engineer will decide as to the true intent.

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**LINES, LEVELS, AND SURVEYS**

City of MtPleasant

1 of 1

June 2013

Staking is by the Contractor. The contractor shall carefully preserve all benchmarks, reference points, grade stakes, and other necessary control points and be held responsible for all errors that may result from their loss or disturbances.

This work shall be incidental to the project and no pay item will be provided.

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**UTILITY COORDINATION**

City of MtPleasant

1 of 1

June 23, 2013

The contractor shall cooperate and coordinate construction activities with the owners of utilities as stated in Section 104.08 of the 2012 MDOT Standard Specifications for Construction. In addition, for the protection of underground utilities, the contractor shall follow the requirements in Section 107.12 of the 2012 MDOT Standard Specifications for Construction. Contractor delay claims, resulting from a utility, will be determined based upon Section 109.05E of the 2012 MDOT Standard Specifications for Construction.

**A) General**

For protection of underground utilities, the Contractor shall call the Miss Dig system at (800) 482-7171 a minimum of three (3) working days prior to excavating. Members will thus be routinely notified. This does not relieve the Contractor of the responsibility of notifying utility owners who may not be a part of the Miss Dig alert system.

**B) Coordination with Utilities**

During the course of the construction, the Contractor will encounter both overhead and underground utilities. The contact information of the utility company representatives are as follows:

Consumers Energy - Electric  
Rich Klender  
1325 Wright Avenue  
Alma, MI 48801  
(517) 466-4279

Winn Telecom – Communications  
Paul Labrie  
402 N. Mission St.  
Mt. Pleasant, MI 48858  
(989) 621-8788 cell

DTE Energy/MichCon – Gas  
Ronald Marrow  
1011 Hastings  
Traverse City, MI 49684  
(231) 258-3785  
Cell: (231) 590-1284

City of Mt. Pleasant – Water, Sanitary &  
Storm Sewer  
Jason Moore  
1303 N. Franklin Ave.  
Mt. Pleasant, MI 48858  
(989) 779-5405 or (989) 779-5401

Frontier – Telephone  
Mark Marshall  
345 Pine Street  
Alma, MI 48801  
(989) 463-0392

Charter Communication – Cable TV  
Bryon Carroll  
915 E. Broomfield Rd.  
Mt. Pleasant, MI 48858  
(989) 621-0505

The Contractor's attention is directed to existing underground gas mains, which are located adjacent to or near the work. The Contractor shall use extreme care when working in these areas, and shall notify DTE Energy/MichCon Gas Company at least three (3) working days in advance before beginning any excavation in these areas.

**C) Relocation**

The City will be coordinating the relocation of the transformer on the south side of the proposed roadway.

As part of the relocation, the contractor will be responsible to coordinate their work with the appropriate utility company's relocation work.

It will be necessary to provide the utility with a "clean route" for the installation of their utilities (removal of the pavement and concrete). The exact location has not been determined.

A coordination meeting will be held prior to start of construction to review the utility companies relocation schedules.

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**CURB AND GUTTER, CONC, \_\_\_\_\_**

City of MtPleasant

1 of 1

January 29, 2013

**A) Description**

Install Curb and Gutter, Conc, \_\_\_\_\_, Modified according to this Special Provision and as shown on the plans.

**B) Materials**

The materials used for this work shall meet the requirements of Section 802.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construct Curb and Gutter, Conc, \_\_\_\_\_, Modified in accordance with the requirements of Section 802 of the 2012 Standard Specifications for Construction. The material placed directly under the Curb and Gutter, Conc, \_\_\_\_\_, Modified shall be 22A aggregate, and shall be included in the bid price for Curb and Gutter, Conc, \_\_\_\_\_, Modified, as detailed on the proposed cross-section plan sheet. Thickness of this material shall be approximately 1.5 inches for local streets and 2.25 inches for major streets.

**D) Measurement and Payment**

The complete work as measured for Curb and Gutter, Conc, \_\_\_\_\_, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

**Contract Item (Pay Item)**

**Pay Unit**

Curb and Gutter, Conc, \_\_\_\_\_, Modified .....Foot

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**DRIVEWAY OPENING, CONC, DET M, MODIFIED**

City of MtPleasant

1 of 1

June 22, 2013

**A) Description**

Construct Driveway Opening, Conc, Det M, Modified in accordance with the requirements of Standard Plan R-29 series and Section 802 of the 2012 Standard Specifications for Construction.

**B) Materials**

The materials used for this work shall meet the requirements of Section 802.02 of the 2012 Standard Specifications for Construction except that the reinforcing steel shall be eliminated.

**C) Construction**

Construct Driveway Opening, Conc, Det M, Modified in accordance with the requirements of Standard Plan R-29 series and Section 802 of the 2012 Standard Specifications for Construction except that the reinforcing steel shall be eliminated. The approximate 2 inches to 2.5 inches of material placed under the Construct Driveway Opening, Conc, Det M, Modified shall be 22A aggregate, and shall be included in the bid price for Construct Driveway Opening, Conc, Det M, Modified.

**Measurement and Payment**

The complete work as measured for Driveway Opening, Conc, Det M, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Driveway Opening, Conc, Det M, Modified.....	Foot

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**DETECTABLE WARNING SURFACE, MODIFIED**

City of MtPleasant

1 of 1

June 18, 2013

**A) Description**

This work shall be done in accordance with the requirements of Standard Plan R-28 series and Section 803 of the 2012 Standard Specifications for Construction except that the detectable warning plate shall be an asphalt dipped Cast Iron warning plate.

**B) Materials**

The detectable warning plate shall be an asphalt dipped Cast Iron warning plate meeting the requirements of section 803 of the 2012 Standard Specifications for Construction. The detectable warning plates at East Campus Drive shall be Cast Iron warning plate meeting the requirements of Section 803 of the 2012 Standard Specifications for Construction and powder coated Federal Yellow.

**C) Construction**

This work shall be done in accordance with the requirements of Standard Plan R-28 series and Section 803 of the 2012 Standard Specifications for Construction except that the detectable warning plate shall be an asphalt dipped Cast Iron warning plate at Mission Street and Cast Iron powder coated Federal Yellow at East Campus Drive.

**D) Measurement and Payment**

The complete work as measured for Detectable Warning Surface, Modified will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

**Contract Item (Pay Item)**

**Pay Unit**

Detectable Warning Surface, Modified .....Foot

Detectable Warning Surface, Modified, Yellow .....Foot

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**DR STRUCTURE COVER, \_\_\_\_, MODIFIED**

City of MtPleasant

1 of 1

January 29, 2013

**A) Description**

Dr Structure Cover, \_\_\_\_, Modified, hereinafter referred to as Cover, shall consist of materials and work as described in Section 403 of the Michigan Department of Transportation 2012 Standard Specifications for Construction except as modified herein.

**B) Materials**

Covers shall include geotextile fabric, frame, grate or cover and shall be of the type indicated on the plans.

**1) Dr Structure Cover, CB, Modified**

Catch basin cover types shall depend on their location on the plans.

- i)** Catch basins covers located in Det M openings shall be model 5100Z with type M1 grate as manufactured by East Jordon Iron Works, or approved equal.
- ii)** All other catch basins covers located in the curb shall be model 7205 with type M1 grate as manufactured by East Jordon Iron Works, or approved equal.
- iii)** Unless otherwise indicated on the plans, catch basins covers outside of the curb shall be model 1040 with type M1 grates as manufactured by East Jordon Iron Works, or approved equal.

**2) Dr Structure Cover, STM, Modified**

- i)** Storm drainage structure covers shall be model 1040 with type B cover as manufactured by East Jordon Iron Works, or approved equal.

**3) Dr Structure Cover, SAN, Modified**

- i)** Sanitary drainage structure covers shall be model 1040 with type A cover as manufactured by East Jordon Iron Works, or approved equal. The preferred cover shall be stamped with the City of Mt. Pleasant logo.

**C) Construction**

Construct drainage structure covers according to the details on the plans and section 403 of the Standard Specifications. Drainage structure shall be wrapped with geotextile fabric as shown on the plans.

**D) Measurement and Payment**

This work will be measured and paid as specified in section 403 & 802 of the Standard Specifications using the following contract items (pay items).

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Dr Structure Cover, CB, Modified .....	Each

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**AGGREGATE BASE, \_\_\_\_ INCH, MODIFIED**

City of MtPleasant

1 of 1

June 26, 2013

**A) Description.** Construct an aggregate base course on a surface approved by the Engineer.

**B) Materials.** Provide materials in accordance with the following:

The materials used for this work shall be made from the excess crushed and shaped material of the existing HMA surface and meet the gradation requirements for 22 A Dense-Graded Aggregates of Section 902.05 of the 2012 Standard Specifications for Construction as close as possible. The method to achieve the gradation needs to be approved by the Engineer before milling starts. All excess millings are to be removed from the site at the Contractors expense.

**C) Construction**

Construct Aggregate Base, \_\_\_\_ inch, Modified in accordance with the requirements of Section 302 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

The complete work as measured for Aggregate Base, \_\_\_\_ inch, Modified will be paid for at the contract unit price for the following contract pay items and includes all equipment and labor to place this item. This pay item is for areas that have new pavement that are currently lawn areas.

**Contract Item (Pay Item)**

**Pay Unit**

Aggregate Base, \_\_\_\_ inch, Modified.....Square Yard

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**DECORATIVE CONCRETE SIDEWALK**

City of MtPleasant

1 of 1

June 18, 2013

**A) Description.** This work consists of constructing decorative colored concrete sidewalks, pavements, and header strips and decorative finished sidewalks at the locations specified on the plans. Complete this work in accordance with the standard specifications, except as modified in the details on the plans and in this special provision.

1. **Submittals:** Submit a plan showing the types and locations of joints, reinforcement, and sequence of construction. Submit a report detailing the concrete mix designs to be used, including manufacturers and/or suppliers of mixture components. Submit technical data sheets for a single manufacturer's complete system for products and/or materials including admixtures, colorants, curing compounds, decorative concrete sealer, dry-shake finish materials, imprinting tools, and any other products requested by the Engineer. Submit Test Data Certification with test results conducted by an independent testing laboratory within the past 24 months reporting that the coloring pigment conforms to the general requirements of ASTM C 979. Obtain approval from the Engineer prior to beginning work.

2. **Certification:** Provide proof of Michigan Concrete Association (MCA) Decorative Concrete Certification, or proven equivalent manufacturer training and certification for placing decorative concrete, to the Engineer

**B) Materials.** Provide materials for the sidewalks in accordance with subsection 803.02 and for the pavements and header strips in accordance with subsection 602.02 of the Standard Specifications for Construction, except as modified herein. Provide material for an aggregate base course under the header strips in accordance with subsection 302.02 of the Standard Specifications for Construction. Provide detectable warning surfaces meeting the requirements of subsection 803.02.B of the Standard Specifications for Construction.

1. Use a single manufacturer's complete system for products and/or materials.

a. Concrete Colorant. Use complete pigment system including integral colorants, and/or release hardeners from one of the following manufacturers, or other sources as approved by the Engineer.

Brickform .....	989-792-9009
Decorative Concrete Resources .....	866-792-9000
Increte Systems .....	800-752-4626
L.M. Scofield Co. ....	586-292-1492
Prism Pigments .....	888-440-4250
Proline Concrete Tools .....	800-795-4750
Vexcon Chemicals .....	616-299-8897

- I. Concrete Integral Color (full depth). Use a Terra Cotta and Quarry Red, or approved equal, pre-weighed and packaged coloring pigment in either powder, granular, or liquid form. Ensure that materials comply with ASTM C 979 standards for integrally colored concrete.
- b. Curing Compound. Do not use standard curing compounds on decorative concrete. Instead use a surface sealer as listed in section d.3 of this special provision.
- c. Stamp Mats. Use semirigid polyurethane mats with projecting textured and ridged underside capable of imprinting texture and joint patterns on plastic concrete. Pattern is to match the existing stamped concrete at the adjacent round-about. Stamp mat is to become property of the City after the construction is complete.
- d. Surface Sealer. Use a Type I, Class A solvent acrylic sealer conforming to the requirements of ASTM C 1315 from the approved list below, or other as approved by the Engineer.
  - I. Brickform.
    - Safety-Seal MS-5.
  - II. Vexcon Chemicals.
    - Certi-Vex AC 1315 solvent base sealer.
    - Certi-Vex Gloss Sealer FT solvent base sealer.
- e. Slip resistant additive. Mix slip resistant additive with the sealer according to the manufacturer's recommendations.
  - I. Increte
    - Shur-Grip.
  - II. Vexcon Chemicals
    - Certi-Vex Grip.
  - III. H & C
    - SharkGrip.

### **C) Construction**

1. **Equipment.** Use tools capable of producing the light broom finish pattern(s) shown on the plans and/or as required by the Engineer.
2. **Construction.** Construct sidewalks in accordance with subsection 803.03 of the Standard Specifications for Construction and Standard Plans R-28 and R-29 Series, except as modified in this special provision and the details on the plans. Construct the pavements and header strips in accordance with subsection 602.03 of the Standard Specifications for Construction and applicable standard plans, except as modified in this special provision and the details on the plans. Construct an aggregate base course under the header strips in accordance with subsection 302.03 of the Standard Specifications for Construction and the details on the plans. Install detectable warning surface according to the manufacturer's instructions and Standard Plan R-28 Series.

a. Preparation. Carefully lay out the locations of forms and joints, taking into consideration the orientation of the pattern as shown on the plans, intended aesthetics, and construction sequence.

b. Integral Color. Comply with the color manufacturer's published recommendations and instructions for mix designs, admixtures, concrete temperature, mixing, installing, finishing, and curing. Coordinate stamped colored concrete to ensure consistency in color, texture, and quality.

c. Pattern. Comply with MCA practices. Lay out to proper alignment and tool to a consistent depth while concrete is plastic. Do not allow the surface to crust over or harden before finishing pattern.

d. Mat Stamping. After floating and while concrete is plastic, apply mat-stamped finish. Apply liquid release agent to the concrete surface and the stamp mat. Uniformly mist surface of concrete at a rate of 5 gal/1000 sq ft. After application of release agent, accurately align and place stamp mats in sequence. Uniformly load mats and press into concrete to produce required imprint pattern and depth of imprint on concrete surface. Gently remove stamp mats. Hand stamp edges and surfaces unable to be imprinted by stamp mats. Remove residual release agent according to manufacturer's written instructions, but no fewer than three days after stamping concrete. High-pressure-wash surface and joint patterns, taking care not to damage stamped concrete. Control, collect, and legally dispose of runoff.

e. Acid Washing. Acid washing of decorative surface may be required to achieve the desired finish as directed by the Engineer. A minimum of 36 hours after placement, apply a solution of 1 part muriatic acid to 30 parts potable water to the surface of the pavement and lightly scrub with a straw broom. Wash the surface until proper color has been achieved and then flush thoroughly.

f. Sealing Decorative Surface. Seal the surface with approved sealer according to the manufacturer's recommendations. Refer to section d.3. of this special provision for approved products and to the manufacturer's technical data sheets for proper installation procedures, including moisture content restrictions at time of application.

**D) 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>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Decorative Colored Conc Slab, 6 inch.....	Square Foot

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**HMA APPLICATION ESTIMATE – PARKING LOT**

City of MtPleasant

1 of 1

June 23, 2013

**A) Description**

This work shall be done in accordance with the requirements of section 501 of the 2012 Standard Specifications for Construction and applicable supplemental specifications and special provisions, and as specified herein. The HMA Approach bid item shall include paving of HMA Driveways and cross streets. Cross streets shall be constructed in two passes at the same cross-section as the mainline pavement, follow the procedures outlined in MDOT 501.03F4.

**B) Materials**

The HMA base course shall be HMA, 3C and the top course shall be HMA, 4C.

The leveling course shall have a yield of 220 pounds per square yard and the binder shall be PG 64-28.

The top course shall have a yield of 165 pounds per square yard, an AWI of 260, minimum, and the binder shall be PG 64-28.

The HMA Bond Coat material shall be per Section 501.03. The uniform rate of application shall be 0.05 - 0.15 gallons per square yard.

**C) Construction**

Construct HMA per section 501.03 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

This work will be measured and paid as by the Square Yard as measured by the Engineer of placement.

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
HMA, 3C, Leveling Course .....	Square Yard
HMA, 4C, Top Course .....	Square Yard

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**MAINTAINING TRAFFIC**

City of MtPleasant

1 of 1

May 7, 2013

**A) Description**

Traffic shall be maintained throughout the project according to sections 104.11 and 812 of the Michigan Department of Transportation 2012 Standard Specifications and as specified herein. The Contractor shall for the safety and protection of through and local traffic, furnish, erect, and maintain traffic control devices as shown on the plans and as directed by the Engineer. The Contractor shall remove the traffic control devices in a prompt, safe, and orderly manner upon completion of the work or when directed by the Engineer.

The Contractor shall maintain access to business and residential driveways at all times as described herein.

The Contractor shall notify the Engineer a minimum of 72 business hours prior to the implementation of any detours, street closures, or lane closures.

Traffic control elements, traffic control devices, barricade lighting, barricade spacing, taper lengths, etc., shall conform to the requirements of the 2005 edition of the Michigan Manual of Uniform Traffic Control Devices as amended, unless otherwise specified herein. This includes advance warning signs, barricades and channeling devices at intersecting streets, on which traffic is to be maintained.

The Contractor is required to contact all local and state police, fire, emergency services that have jurisdiction within the construction influence area a minimum of five (5) calendar days prior to the implementation of any lane closure or detours.

Changes and/or adjustments to the maintaining traffic plans and standards may be applied as determined by the Engineer.

**1) Construction Influence Area (CIA)**

The CIA shall include the right-of-way of the street where work is to take place from the beginning to the end of the construction signing and inclusive of all the construction signing on the intersecting streets & detours.

**B) Materials**

All traffic control devices and their usage shall conform to the 2005 edition of the Michigan Manual of Uniform Traffic Control Devices as amended, and as specified as herein.

Construction signing shall be required as shown in the Maintaining Traffic plan sheets.

Signs, barricades, and plastic drums shall be cleaned over the entire surface as required by the Engineer.

**1) Temporary Signs**

All signs must be approved by the Engineer prior to use.

All diamond-shaped warning signs shall be 48" x 48" mounted at a 7' minimum bottom height. Distances shown between construction warning, regulatory, and guide signs shown on the plans and typical are approximate and may require field adjustment, as directed by the Engineer.

All temporary signs shall be constructed with legends and symbols flush to the sign's face and not extending beyond the sign borders or edges. Temporary warning, regulatory, and guide signs not required for a particular work Operation shall be removed, completely covered, or laid down with the legs off, as directed by the Engineer.

**C) Construction**

The contractor shall limit street excavation activities to 300 feet at a time. The contractor's backfill and aggregate base placement shall follow closely behind, such that no more than 300 feet of road shall be without existing pavement or a minimum of four (4) inches of compacted gravel on the sub-base.

**D) Measurement and Payment**

This work will be measured and paid as specified in section 403 & 802 of the Standard Specifications using the following contract items (pay items).

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Minor Traf Devices .....	Lump Sum

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**RESTORATION, MODIFIED**

City of MtPleasant

1 of 3

January 29, 2013

**A) Description**

- i) This work shall include all labor, materials and equipment to clean up and restore public and private ground to a condition equal to or better than that which existed prior to construction. This includes removal and legal disposal of all construction debris, litter, and materials.

**B) Materials**

- 1) Topsoil  
Black dirt or natural surface soil, high in organic material, free from stones, brush, debris, objectionable weeds, or other litter, and approved by the City Engineer prior to spreading. The engineer may perform a soil test prior to approval. Peat material is not acceptable.
- 2) Fertilizer  
Fertilizer shall be commercial seed starting 20-10-10 grade supplied in the manufacturer's packaging with composition clearly marked. Bulk fertilizer may be used when certified delivery slips are furnished by the Contractor, meeting section 816 of the 2012 MDOT specifications.
- 3) Seed  
Seed material and application shall meet section 816 of the 2012 MDOT specifications, using TUF seed mixture.
- 4) Mulch and Adhesive  
Mulch and adhesives shall meet section 816 of the 2012 MDOT specifications, for wood fiber mulch. Paper mulch or straw are not acceptable.

**C) Construction**

- 1) Preparation of Seed Bed
  - i) Grading  
Grades on areas to be seeded shall be maintained in a true and even condition. Where the grades are not defined, they shall be established by the Contractor to blend with existing adjacent grades without irregularities and shall provide for proper drainage.
  - ii) Placing Topsoil  
Topsoil shall be evenly spread by blade graders, or other approved methods, to a minimum depth of four inches (4"). Any irregularities in the surface resulting from

topsoiling or other operations shall be corrected in order to prevent the formation of depressions where water will stand. Topsoil shall not be placed until the subgrade has been smoothly graded and compacted, and the engineer or inspector approves the subgrade in writing.

**iii) Application of Fertilizer**

Fertilizer shall meet the requirements of section 812 of the 2012 MDOT specifications for Class A fertilizer.

**iv) Cleanup**

After completion of the above operations, the surface shall be cleared of stones, roots, brush, wire, grade stakes, and other objects that might be a hindrance to maintenance operations.

**2) Seeding**

TUF seed mixture meeting requirements of section 816 of the 2012 MDOT specifications shall be used on all lawn areas and adjacent backslopes. No seeding shall be done until the Engineer has inspected the seed container and has given written approval of the topsoil. Seeding for erosion control measures shall be cereal rye seed.

**3) Mulching**

**i) Straw and Hay Mulch**

As part of the seeding and fertilizing operations, wood fiber mulch shall be spread over the surface as required in section 816 of the 2012 MDOT specifications. Paper mulch is not acceptable.

**ii) Mulch Adhesive**

Mulch shall be held in place by a spray coating of mulch adhesive. The Contractor shall protect all traffic, signs, structures, and other objects from being marked or disfigured by the adhesive material. Fire hydrants shall be covered prior to the placement of all sprayed materials. Adhesive material shall be applied uniformly at a rate of 400 gallons per acre, sprayed simultaneously with the mulch, or a surface application of adhesive sprayed immediately following mulching.

**4) Establishment of Seeded Areas**

The Contractor shall be responsible for the proper care of the seeded area during the period when the grass is becoming established, and shall be responsible for a total grass cover. The acceptance of the work will not be given until grass cover is established.

**i) Watering**

Seeded areas shall be watered whenever excessive drying is evident during the period set for establishment of the seeded area. The Contractor shall be responsible for the proper care of the seeded areas and for the establishment of a uniform stand of grass until final acceptance of the entire work covered by the Contract.

The City has established a program to encourage residents to water the newly seeded areas, to help establish the lawn. Residents will be given a credit on their water bill for watering the newly seeded areas.

- ii) Weeds  
After the grass has become established, if it appears to have more than ten percent (10%) weeds, the Contractor shall spray with an approved herbicide (weed killer).

**D) Measurement and Payment**

Restoration, Modified shall be paid for by the square station as measured along the project centerline and will include all work necessary to restore both sides of the street. The price paid shall be payment in full for all Restoration, Modified work.

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Restoration, Modified .....	Square Yard

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**SIGNAGE**

City of MtPleasant

1 of 1

May 7, 2013

**A) Description**

This work consists of furnishing and installing signs and supports.

**B) Materials**

- 1) Stop sign.
  - i) Sign - 24" Type III, Type C panel and face per Section 919.02 of the 2012 Standard Specifications for Construction.
  - ii) Support – Steel Post Sign Supports per Section 919.04.B of the 2012 Standard Specifications for Construction.
- 2) Right Turn Only sign.
  - i) Sign – 30"x36" R3-5 sign Type III, Type B panel and face per Section 919.02 of the 2012 Standard Specifications for Construction.
  - ii) Support – Steel Post Sign Supports per Section 919.04.B of the 2012 Standard Specifications for Construction.
- 3) No Left Turn sign.
  - i) Sign – 36"x36" R3-2 sign, Type III, Type B panel and face per Section 919.02 of the 2012 Standard Specifications for Construction.
  - ii) Support – Steel Post Sign Supports per Section 919.04.B of the 2012 Standard Specifications for Construction.

**C) Construction**

- 1) All Signs
  - i) Install per Section 810.03 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

The complete work as measured for Signage will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete these items.

- i) The unit price for all signs include the sign, support and footing (if required).

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Stop Sign .....	Each
Right Turn Only Sign.....	Each
No Left Turn Sign .....	Each

City of Mt. Pleasant

SPECIAL PROVISION  
FOR  
**SEALANTS**

City of MtPleasant

1 of 1

May 7, 2013

**A) Description**

This work consists of placing expansion joint, backer rod and caulk.

**B) Materials**

1) Expansion Joint

- i) ½" fiber joint filler per subsection 914.03.A of the MDOT 2012 Standard Specifications for Construction.

2) Backer Rod

- i) Solid, round, closed cell, cross-linked foam meeting the requirements of ASTM D 5249, for Type 3, of diameter and density required to control sealant depth and prevent bottom-side adhesion of sealant.

3) Caulk

- i) Sikaflex 2C or approved equal.

**C) Construction**

- 1) Expansion Joints: Form expansion joints of preformed joint-filler strips abutting concrete curbs, catch basins, manholes, inlets, structures, other fixed objects, and where indicated.

- i) Locate expansion joints at intervals of 50 feet unless otherwise indicated

- ii) Extend joint fillers full width and depth of joint.

- iii) Terminate joint filler not less than 1/2 inch or more than 1 inch below finished surface if joint sealant is indicated.

- iv) Place top of joint filler flush with finished concrete surface if joint sealant is not indicated.

- v) Furnish joint fillers in one-piece lengths. Where more than one length is required, lace or clip joint-filler sections together.

- vi) During concrete placement, protect top edge of joint filler with metal, plastic, or other temporary preformed cap. Remove protective cap after concrete has been placed on both sides of joint.

**2) Backer Rod**

- i) Install joint-sealant backings of kind indicated to support joint sealants during application and at position required to produce cross-sectional shapes and depths of installed sealants relative to joint widths that allow optimum sealant movement capability.
  - (1) Do not leave gaps between ends of joint-sealant backings.
  - (2) Do not stretch, twist, puncture, or tear joint-sealant backings.
  - (3) Remove absorbent joint-sealant backings that have become wet before sealant application and replace them with dry materials.

**3) Caulk**

- i) Install joint sealants using proven techniques that comply with the following and at the same time backings are installed.
  - (1) Place joint sealants so they directly contact and fully wet joint substrates.
  - (2) Completely fill recesses in each joint configuration.
  - (3) Produce uniform, cross-sectional shapes and depths relative to joint widths that allow optimum sealant movement capability.

**C) Measurement and Payment**

The complete work as measured for Sealants will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

The unit price for the Expansion Jt, Backer Rod, Caulk include the cost of the following:

- i) Providing and placing required joint materials such as expansion joint fillers, backer rod, and sealants.
- ii) Forming and cleaning of joints.

**Contract Item (Pay Item)**

**Pay Unit**

Expansion Jt, Backer Rod, Caulk .....Foot

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**SIDEWALK, CONC, THICKENED EDGE, \_\_\_\_\_ INCH**

City of MtPleasant

1 of 1

May 7, 2013

**A) Description**

This work consists of placing 4 inch concrete sidewalk with a thickened edge where it abuts proposed HMA pavement.

**B) Materials**

The materials used for this work shall meet the requirements of Section 803.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construct Sidewalk, Conc, Thickened Edge, 4 inch in accordance with the requirements of section 802 of the 2012 Standard Specifications for Construction and as detailed on the detail sheet.

**C) Measurement and Payment**

The complete work as measured for Sidewalk, Conc, Thickened Edge, 4 inch will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Sidewalk, Conc, Thickened Edge, 4 inch.....	Square Foot

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**DRAINAGE STRUCTURE REPAIR**

City of MtPleasant

1 of 1

May 7, 2013

**A) Description**

Repair Drainage Structure in accordance to this Special Provision and as shown on the plans.

**B) Materials**

The materials used for this work shall meet the requirements of Section 403.02 of the 2012 Standard Specifications for Construction. Mortar shall be Type R-2 per Section 702 of the 2012 Standard Specifications for Construction. Geotextile Blanket shall meet the requirements of Section 910.03.A of the 2012 Standard Specification for Construction.

**C) Construction**

Excavate outside of the existing catch basins at the pipe locations to a depth of 1 foot below the pipe. Clean the penetration of any loose debris and/or mortar on both the inside and outside of the structure. Apply new mortar on both the inside and outside of the structure to provide a watertight seal. Wrap the outside of the pipe with an 18 inch wide piece of geotextile blanket. Backfill with 6A stone.

Remove the casting and riser from the existing structure. Rebuild the riser to accommodate the proposed rim elevation. Wrap the outside of the riser with an 18" wide piece of geotextile blanket. Backfill with 6A stone.

**D) Measurement and Payment**

The complete work as measured for Dr Structure, Repair will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item.

**Contract Item (Pay Item)**

**Pay Unit**

Dr Structure, Repair .....Ea

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**DUMPSTER ENCLOSURE**

City of MtPleasant

1 of 1

June 18, 2013

**A) Description**

This work consists of constructing and installing the dumpster enclosure.

**B) Materials**

**1) CMUs: ASTM C 90**

- i) Products: Subject to compliance with requirements, providing the following:
- ii) Density Classification: Normal weight.
- iii) Size (Width) Nominal 8"x8"x16"
- iv) Pattern and Texture:  
(1) Standard Pattern
- v) Colors: Standard Concrete Color. No special color.
- vi) Flashing: Mortar Net USA Inc.: Blok-Flash
- vii) Mortar: Masonry Cement Mortar  
(1) ASTM C 270, Type N  
(2) Masonry Cement: 1 part  
(3) Mortar Sand: 2½ parts min./3 parts max.

**2) Steel Framing for Dumpster Corral:**

- i) Steel Plates, Shapes, and Bars: ASTM a 36/A 36M
- ii) Steel Tubing: ASTM A 500, cold formed steel tubing.
- iii) Steel Panels: Zinc-coated (galvanized) steel sheet complying with ASTM A 653/A 653M
- iv) Size: As noted on plans.
- v) Bolts Galvanized  
(1) ASTM A 325, ½-inch diameter minimum unless indicated otherwise on the drawings.
- vi) Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.
- vii) Galvanizing: Hot-dip galvanize items to comply with ASTM a 123/A 123M.
- viii) Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.

**3) CMU Painting System:**

- i) Block Filler, Latex, Interior/Exterior
- ii) Latex, Exterior Flat  
(1) Color to be selected by Owner

**4) Concrete Footings:** Per Section 706 of the 2012 Standard Specifications for Construction.

- i) Concrete: Grade S2 per Section 701 of the 2012 Standard Specifications for Construction.

- ii) Steel Reinforcement per Section 905 of the 2012 Standard Specifications for Construction.

### **C) Construction**

Construct Dumpster Enclosure, Special in accordance with the following:

#### **1) CMU**

- i) Use full-size units without cutting if possible. If cutting is required to provide a continuous pattern or to fit adjoining construction, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces and, where possible, cut edges concealed.
- ii) Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in bond pattern indicated on Drawings; do not use units with less than nominal 8-inch horizontal face dimensions at corners or jambs.
- iii) Fill cores in hollow CMUs with grout at posts, and similar items unless otherwise indicated.
- iv) Lay solid masonry units with completely filled bed and head joints; butter ends with sufficient mortar to fill head joints and shove into place. Do not deeply furrow bed joints or slush head joints.
- v) Tool exposed joints slightly concave when thumbprint hard, using a jointer larger than joint thickness unless otherwise indicated.
- vi) Install single-wythe CMU flashing system in bed joints of CMU walls where indicated to comply with manufacturer's written instructions. Install CMU cell pans with upturned edges located below face shells and webs of CMUs above and with weep spouts aligned with face of wall. Install CMU web covers so that they cover upturned edges of CMU cell pans at CMU webs and extend from face shell to face shell.
- vii) Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure.

#### **2) Steel Framing for Dumpster Corral:**

- i) Fabrication: Conform to applicable portions of AISC:
  - (1) Specification for the Design, Fabrication, and Erection of Structural Steel for Building.
  - (2) Code of Standard Practice (excluding Code of Standard Practice - Section 4.2.1).
- ii) Install items square and level, accurately fitted and free from distortion and defects.
- iii) Provide all shoring, bracing and accessories required for complete erection.
- iv) Bolts shall be tightened snug-tight as defined by AISC, unless otherwise noted on the Drawings.

#### **3) Painting:**

- i) Paint CMU with one coat of block filler and two finish coats.

#### **4) Structural Concrete:**

- i) Construct per Section 706 of the 2012 Standard Specifications for Construction.

### **D) Measurement and Payment**

The complete work as measured for Dumpster Enclosure, Special will be paid for at the contract unit price for the following contract pay items and includes all material, equipment, and labor to complete this item. The reinforced concrete pavement inside the dumpster enclosure will be paid for separately.

**Contract Item (Pay Item)**

**Pay Unit**

Dumpster Enclosure, Special .....Lump Sum

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**HMA BASE CRUSHING AND SHAPING, MODIFIED**

City of MtPleasant

1 of 1

June 26, 2013

**A) Description**

This work consists of constructing new aggregate base from existing flexible pavement

**B) Materials**

The materials used for this work shall meet the requirements of Section 350.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construction methods shall meet the requirements of Section 305.03 of the 2012 Standard Specifications for Construction

**D) Measurement and Payment**

Payment will be based on plan quantity, in accordance with subsection 109.01.A of the 2012 Standard Specifications for Construction, regardless of any variation in depth. Removal of surplus material is included in this pay item.

**Contract Item (Pay Item)**

**Pay Unit**

HMA Base Crushing and Shaping, Modified.....Square Yard

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**PERMANENT PAVEMENT MARKINGS, MODIFIED**

City of MtPleasant

1 of 1

June 26, 2013

**A) Description**

This work consists of applying waterborne permanent pavement markings in accordance with Michigan Manual on Uniform Traffic Control Devices. Provide markings, shapes, spacing, and dimensions that conform to the MDOT Pavement Marking Standards.

**B) Materials**

The materials used for this work shall be Waterborne Pavement Marking Material and meet the requirements of Section 811.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construction methods shall meet the requirements for Waterborne Pavement Markings in Section 811.03 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

Payment for **Pavt Mrkg, Waterborne, 4 inch** shall be by lump sum and include both yellow and blue striping as shown on the plans.

<b>Contract Item (Pay Item)</b>	<b>Pay Unit</b>
Pavt Mrkg, Waterborne, 4 inch .....	Lump Sum

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**ROADWAY EARTHWORK, MODIFIED**

City of MtPleasant

1 of 1

June 26, 2013

**A) Description**

This work consists of excavating soil and placing embankments or fills per Section 205.01 of the 2012 Standard Specifications for Construction.

**B) Materials**

The materials used for this work shall meet the requirements of Section 205.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construction methods shall meet the requirements of Section 205.03 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

Payment for **Excavation, Earth** shall be based on measurements by the Engineer for removing topsoil and other selected excavated materials to expose the subgrade in areas that have new pavement that are currently lawn areas and includes all equipment and labor to perform this work.

Payment for **Embankment, CIP** shall be based upon measurements by the Engineer for placing embankment material in areas that are currently paved and will become lawn areas after the existing pavement has been removed and includes all equipment and labor to place this item.

**Contract Item (Pay Item)**

**Pay Unit**

Excavation, Earth .....	Cubic Yard
Embankment, CIP .....	Cubic Yard

City of Mt. Pleasant  
SPECIAL PROVISION  
FOR  
**SUBBASE, MODIFIED**

City of MtPleasant

1 of 1

June 26, 2013

**A) Description**

This work consists of constructing a granular subbase on a surface approved by the Engineer per Section 301.01 of the 2012 Standard Specifications for Construction.

**B) Materials**

The materials used for this work shall meet the requirements of Section 301.02 of the 2012 Standard Specifications for Construction.

**C) Construction**

Construction methods shall meet the requirements of Section 301.03 of the 2012 Standard Specifications for Construction.

**D) Measurement and Payment**

Payment for **Subbase, CIP** shall be based on measurements by the Engineer for subbase material in areas that have new pavement that are currently lawn areas and includes all equipment and labor to perform this work.

**Contract Item (Pay Item)**

**Pay Unit**

Subbase, CIP .....Cubic Yard