

## ADDENDUM No. 2

ITB No. 4366

### Geddes Avenue Improvements Project

**Due: May 27, 2015, 2:00 p.m. (NEW DUE DATE)**

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for Geddes Avenue Improvement Project, ITB No. 4366, on which proposals will be received on/or before May 27, 2015 by 2:00 p.m.

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 6 page(s) and 12 drawing(s).**

**Bidder is to acknowledge receipt of this Addendum No. 2, including all attachments (if any) in its Bid by so indicating on page P-1 of the Invitation to Bid Form. Bids submitted without acknowledgement of receipt of this addendum will be considered nonconforming.**

#### I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid documents which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

<u>Section/Page(s)</u>	<u>Change</u>
------------------------	---------------

Contract Book/Cover Sheet, AD-1, and IB-2	
---	--

	The bid due date has been revised. Replace the previous bid date of Friday, May 22 at 10:00 a.m. to the <b>new bid due date of Wednesday, May 27, 2015 at 2:00 p.m.</b>
--	---

Bid Forms/BF-3	Increase the Estimated Quantity of <b>Item #249 Aggregate Base Course, 21AA Limestone, 6 inch, C.I.P.</b> from 436 Syd to <b>3631 Syd</b>
----------------	---

Bid Forms/BF-5	Increase the Estimated Quantity of <b>Item #290 Drainage Aggregate, Type I</b> from 146 Ton to <b>4,100 Tons</b>
----------------	--

Bid Forms/BF-5	Increase the Estimated Quantity of <b>Item #291 Drainage Aggregate, Type II</b> from 8 Ton to <b>70 Tons</b>
----------------	--

Bid Forms/BF-6	Delete Item #381-SP "Earth Retention for Sanitary Sewer Construction"
----------------	---

Det. Specs/DS-31 thru 32

Replace the Detailed Specification for Item #204 – Preconstruction Documentation with the attached ADD-2-3 through ADD-2-4. Revised to clarify requirements of pre-construction audiovisual recording.

Det. Specs/DS-54 thru 55

Replace the Detailed Specification for Item #223 – Temporary HMA Pavement with the attached ADD-2-5 through ADD-2-6. Revised to include removal of pavement and aggregate.

Det. Specs/DS-127 thru 128

Delete the Detailed Specification for #381-SP “Earth Retention for Sanitary Sewer Construction”

Plans/47-54

Replace Sheets 47-54 with the attached ADD-2-Sheets 1 through 8. Notes on plans were revised.

Plans/56-58

Replace Sheets 56-58 (most recently ADD-1-8 through 10) with the attached ADD-2-Sheet 9 through 11. Notes on plans were revised.

Plans/187

Replace Sheet 187 (most recently ADD-1-17) with the attached ADD-2-Sheet 12. The quantity table has been updated.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

**DETAILED SPECIFICATION  
FOR  
ITEM #204 – PRECONSTRUCTION DOCUMENTATION**

**DESCRIPTION**

This work shall include digital audiovisual record of the physical, structural, and aesthetic conditions of the construction site and adjacent areas as provided herein and all work necessary to return facilities to their preconstruction condition at the conclusion of the project.

This audiovisual work will be performed for the entire project limits prior to the start of construction. This work also includes the documentation of all existing cracks and structural defects witnessed during the audiovisual record.

**MATERIALS**

Recording and camera equipment used to record the condition of existing facilities shall be in proper working condition at the time of preconstruction documentation. CD's, DVD's, or other digital media used to record the preconstruction documentation images shall be good quality, new materials.

Materials needed to return existing facilities to their preconstruction condition shall be new, quality products, and shall match the preconstruction properties of the existing component. Contractor shall submit material choices, including samples and manufacturer's literature, as applicable, to the Engineer for approval a minimum of (7) days prior to incorporating any materials into an existing facility.

**PRODUCTION**

The audiovisual taping shall be conducted by the Contractor and witnessed by the Engineer immediately following the award of the Contract and prior to beginning any work. The Contractor shall employ a professional firm acceptable to the City and actively engaged in preconstruction color audio-video recording.

The Contractor shall furnish two (2) copies of the completed audiovisual record to the Engineer. An index of the footage shall be included, which will enable any particular area of the project to be easily found. This includes indexing the files according to street. The Contractor shall retain a second copy of the audiovisual record for his/her own use. Any portion of the film determined by the Engineer to be unacceptable for the documentation of existing conditions shall be filmed again at the Contractor's sole expense prior to mobilizing onto the site.

The preconstruction documentation shall include all surface features on both sides of the road within the zone of construction influence including existing driveways, sidewalks, parkways, curbs, ditches, streets, landscaping, trees, culverts, retaining walls, fences, visible utilities, bridge piers, abutments, slope paving and all buildings visible from the right-of-way. This includes documenting all existing cracks, steps, porches, and all possible areas of concern from various angles on existing buildings that could be affected by the construction. At a minimum, the preconstruction documentation shall include portions of all buildings and structures that are within 30 feet of the street right of way and within 20 feet of any buildings shown to be removed on the drawings. Preconstruction documentation shall include documentation of all existing cracks and structural defects.

The preconstruction documentation shall be recorded in the form of preconstruction video in DVD format, pictures, and field notes.

Cameras shall be high quality 3 chip color video camera, optical stabilization. 20X minimum optical magnification, and shall be capable of producing NTSC 525 lines resolution/60 fields/30 frames per second and minimum illumination capabilities of at least 3-lux. Video recordings shall be time and date stamped on screen, include 2 simultaneous audio tracks (track 1 for SMPTE time code corresponding with number visible on screen and included on computer printout, track 2 with narrative commentary).

The audio-visual filming shall be completed in accordance with the following minimum requirements:

1. DVD Format, No Editing - The filming shall be done in color using equipment that allows audio and visual information to be recorded. Splicing or editing of the tape shall not be allowed and the speed and

electronics of the videotaping equipment and DVD shall be equal to that which is standard to the video taping industry.

2. Perspective / Speed / Pan / Zoom - To ensure proper perspective, the distance from the ground to the camera lens shall not be less than 10 feet and the filming must proceed in the general direction of travel at a speed not to exceed 48 feet per minute. Pan and zoom rates shall be controlled sufficiently so that playback will ensure quality of the object viewed.
3. Display - The recording equipment shall have transparent time, date stamp and digital annotation capabilities. The final copies of the tape shall continuously and simultaneously display the time (hours:minutes:seconds) and the date (month/date/year) in the upper left-hand corner of the frame. Accurate project stationing, where applicable, shall be included in the lower half of the frame in standard format (i.e. 1+00). Below the stationing periodic information is to be shown, including project name, name of area shown, street address, direction of travel, viewing direction, etc.

If in the event, the stationing has not been established on-site, refer to the plans and approximate the proposed stationing.

4. Audio Commentary / Visual Features. Locations relative to project limits and landmarks must be identified by both audio and video means at intervals no longer than 100 feet along the filming route. Additional audio commentary shall be provided as necessary during filming to describe streets, buildings, landmarks, and other details, which will enhance the record of existing conditions.
5. Visibility / Ground Cover - The filming shall be performed during a time of good visibility. Filming shall not be performed during periods of precipitation or when snow, leaves, or other natural debris obstruct the area being filmed. The Contractor shall notify the Engineer in writing in the event that the weather or snow cover is anticipated to cause a delay in filming.

Any portion of the film determined by the Engineer to be unacceptable for the documentation of existing conditions shall be filmed again at the Contractor's sole expense prior to mobilizing onto the site.

#### **AUDIOVISUAL FILMING SERVICES**

The following companies are known to be capable of providing the filming services required by this Detailed Specification and shall be utilized, unless the Contractor receives prior written approval from the Engineer to utilize another company of comparable or superior qualifications.

Construction Video Media  
Midwest Company  
Topo Video, Inc.  
Video Media Corp.  
Paradigm 2000, Inc.

#### **MEASUREMENT AND PAYMENT**

The completed work shall be paid for at the contract unit price for the following contract item (pay item) which shall include all materials, equipment and labor required to complete the work.

##### **PAY ITEM**

Preconstruction Documentation

##### **PAY UNIT**

Lump Sum

“Preconstruction Documentation” includes recording the condition of existing facilities within and adjacent to the project and the repair or replacement of any building or structure damaged during construction.

**DETAILED SPECIFICATION  
FOR  
ITEM #223 – TEMPORARY HMA PAVEMENT**

**DESCRIPTION**

This work shall consist of constructing, maintaining, and subsequently removing roads and pavements for maintenance of traffic purposes. Work shall be in accordance with Sections 204, 501, and 602 of the Michigan Department of Transportation 2012 Standard Specifications for Construction, and as specified herein. These requirements shall not apply to pavements to remain in place after construction is completed.

**MATERIALS**

The materials used for this work shall be in accordance with subsections 501.02 or 601.02 of the 2012 Standard Specifications for Construction, except as modified herein. Temporary pavement may include the following materials or any combination thereof: hot mix asphalt, cold patch mixture, and/or concrete pavement. The type of temporary pavement to be placed must be approved by the Engineer.

The Contractor shall provide mix designs to the Engineer for review prior to placement. For each submittal or resubmittal, the Contractor shall allow at least 7 calendar days from the date of the submittal to receive the Engineer's acceptance, request for revisions, or rejection of the mix design. Required revisions or resubmittals will not be a basis of payment for additional compensation, extra work, or an extension of time.

**CONSTRUCTION METHODS**

Construct the temporary pavement according to subsection 501.03 and 601.03 of the 2012 Standard Specifications for Construction, except as modified herein.

The temporary pavement material shall meet the minimum thickness shown in the following table:

<u>Pavement Type</u>	<u>Minimum Thickness</u>
Flexible (includes HMA and Cold Patch)	2.5"
Rigid (includes Concrete)	6"

Pavement shall be placed to provide proper drainage and prevent improper ponding of water. Steel reinforcement, lane ties, and steel baskets for longitudinal and transverse joints shall not be required.

Construction methods shall also follow Detailed Specification HMA Paving and Concrete Placement and Protection.

**MAINTENANCE**

The Contractor is to maintain all portions of the temporary pavements in good condition with respect to both safety and smoothness for travel as long as it is needed for maintenance of traffic according to subsection 104.07.C of the 2012 Standard Specifications of Construction. If at any time during the project the Engineer documents that the temporary pavement requires repairs or renewals, the Engineer will provide written notification with instructions for corrective action to the Contractor. Upon receipt of the notification of correction action, the Contractor has four hours to correct. If the temporary roadway cannot be corrected with the four hour time period, the Contractor will develop a written implementation schedule for the corrective action and submit the schedule to the Engineer for approval within one hour or time agreed upon with the Engineer of receiving the written notification. If the schedule is not approved, or if the schedule is approved but not followed, the Engineer will adjust the contract according to subsection 812.03.C. If the implementation schedule is not followed, the Engineer will notify the Contractor in writing that they are in violation of this subsection.

In addition to the actions described in subsection 812.03.C, of the Standard Specifications for Construction, the following potential action will be in effect for this project. A contract price adjustment will be made in the amount of \$100 per hour for every hour the improvements or corrective action remains incomplete. If improvements or corrections have not been made to the satisfaction of the Engineer, the contract will be adjusted until the temporary roadway is acceptable.

**REMOVAL**

The Contractor shall remove and dispose of the temporary pavement when the temporary pavement is no longer needed in accordance with Section 204 of the Michigan Department of Transportation 2012 Standard Specifications for Construction.

Removal of the temporary pavement and the aggregate base it was placed on shall not be paid for separately, but be included in the pay item “Temporary HMA Pavement”.

**MEASUREMENT AND PAYMENT**

The completed work as measured will be paid for at the contract unit prices for the following contract items (pay items):

**PAY ITEM**

**PAY UNIT**

Temporary HMA Pavement

Ton

Measurement of Temporary HMA Pavement shall be by the ton, in place and will be payment in full for all labor, equipment, and material needed to properly complete the work as shown on the plans, as detailed in the Specifications, and as directed by the Engineer.

Unused HMA remaining in trucks after the work is completed shall be returned to the plant and re-weighed, and the corrected weight slip shall be provided to the Engineer. No payment will be made for the unused HMA material. All weight slips must include the type of mixture (codes are not acceptable), as well as vehicle number, gross weight, tare weight and net weight.