ADDENDUM No. 3  

ITB No. 4477  

Street Resurfacing - 2017  

Bids Due: March 30, 2017 at 10:00 A.M. (local time)  

The following changes, additions, and/or deletions shall be made to the Invitation to Bid for Street Resurfacing - 2017, ITB No. 4477, on which proposals will be received on/or before March 30, 2017, at 10:00 A.M. (local time).

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. This Addendum includes 137 pages.

Bidder is to acknowledge receipt of this Addendum No. 3, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum will be considered nonconforming.

The following forms provided within the ITB Document must be included in submitted bids at bid opening.

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these completed forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS/CLARIFICATIONS

Changes to the Bid documents 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.

Item #1: The revised Contract Plan Set mistakenly was not included with Addendum 2; replace the original issued Bid Set dated 03-08-17 (sheets 1 thru 136) with set issued as Addendum 1 dated 03-24-17 (sheets 1 thru 136) and included with this Addendum 3. Changes include the following:

Plan Sheets 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 29, 31, 51, 59, 64, 66, 74, 82, 116, 122 and 133 of 136 (Location Cover Sheets) – Revised QUANTITY TABLE and QUANTITY TABLE for Sign, Type B, Temp, Prismatic to reflect correct pay items and quantities respective to each location, revised CONSTRUCTION METHOD AND SEQUENCING notes to reflect work required at each respective location.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.
# CITY OF ANN ARBOR

## PROJECT MANAGEMENT

### ANNUAL STREET RESURFACING - 2017

**ITB No. 4477 FILE No. 2017004**

### SHEET INDEX

<table>
<thead>
<tr>
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<th>TITLE</th>
<th>MAP INDEX NO.</th>
<th>SHEET</th>
</tr>
</thead>
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<tr>
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<td>COVER SHEET</td>
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<td>3</td>
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<td>16-17</td>
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<td>HIGH ORCHARD DRIVE</td>
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<td>WEST DAVIS AVENUE</td>
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<td>CATHERINE STREET</td>
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<td>CHURCH STREET</td>
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<td>64-67</td>
<td>GREEN ROAD NON-MOTORIZED PATH</td>
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<td>68-73</td>
<td>HILL STREET</td>
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<td>133-136</td>
<td>WEST STADIUM BOULEVARD</td>
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</table>

### VICINITY MAP

- **NORTH**
- **RIVER**
- **MAJOR AND LOCAL STREET RESURFACING**

---

**NOTES**

- **DATE**
- **PROJECT MANAGEMENT SERVICE UNIT**

---

**PREPARED UNDER THE SUPERVISION OF**

DAVID ARTHUR

**ENGINEER**

No. 52912

---

**ANNUAL STREET RESURFACING - 2017 / ITB No. 4477 / FILE No. 2017004**

---

**PROJECT MANAGEMENT PUBLIC SERVICES - CITY OF ANN ARBOR**

---

**MAJOR AND LOCAL STREET RESURFACING - 2017 / ITB No. 4477 / FILE No. 2017004**
Know what's below. Call before you dig.
PLAN: NONE

Know what's below. Call before you dig.

CITY OF ANN ARBOR

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

ANNUAL STREET RESURFACING - 2017

SPEED HUMP CROSS SECTION

SECTION B-B

SPEED HUMP CROSS SECTION

SECTION A-A

GENERAL NOTES:

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.

2. PAINT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.

PAVEMENT MARKING DETAIL

CENTERS OF HOLES

2" COLD PLASTIC INLAI (TYP.)
CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: 4TH STREET

ITB No. 4477  FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

1. According to the schedule of work on 4th Street, the project is to be completed in accordance with the timeframe provided. The project will follow the sequence of work as outlined in the contract and the LEGEND and CONSTRUCTION METHOD AND SEQUENCING details provided in the plan.

2. The project is to be completed within the timeframe provided, with any deviations from the schedule to be communicated in writing to the City of Ann Arbor Public Services.

3. The project is to be completed with all necessary permits and approvals in place.

4. The project is to be completed with all necessary inspections and testing in place.

5. The project is to be completed with all necessary documentation and reports in place.

6. The project is to be completed with all necessary maintenance and repair work in place.

NOTES

LEGEND

SYMBOL

DESCRIPTION

CONSTRUCTION METHOD AND SEQUENCING

1. The project is to be completed within the timeframe provided, with any deviations from the schedule to be communicated in writing to the City of Ann Arbor Public Services.

2. The project is to be completed with all necessary permits and approvals in place.

3. The project is to be completed with all necessary inspections and testing in place.

4. The project is to be completed with all necessary documentation and reports in place.

5. The project is to be completed with all necessary maintenance and repair work in place.

6. The project is to be completed with all necessary repair work in place.

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ANNUAL STREET RESURFACING - 2017
5TH STREET - PRINCETON ST TO W LIBERTY ST
STA. 10+00 - STA. 30+11

SEE ABOVE RIGHT
STA:19+50

SEE BELOW LEFT
STA:19+50
CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: 6TH STREET

ITB No. 4477    FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

1. Performs all concrete work, including reinstallation, as required.
2. Performs all concrete work, including reinstallation, as required.
3. Performs all concrete work, including reinstallation, as required.
4. Performs all concrete work, including reinstallation, as required.
5. Performs all concrete work, including reinstallation, as required.
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18. Performs all concrete work, including reinstallation, as required.
19. Performs all concrete work, including reinstallation, as required.
20. Performs all concrete work, including reinstallation, as required.
Know what's below. Call before you dig.
Know what's below. Call before you dig.
# Project Management

**Project Location:** Arella Boulevard

**ITB No:** 4477  **FILE No:** 2017-004

## Construction Method and Sequencing

- **Know what's below. Call before you dig.**
- **Preparation, demolition, and excavation shall be required.**
- **Perform all concrete work, including Kerbing, as required.**
- **Temporary cover all structural covers located within the existing building anding, and remove all materials removed.**
- **Complete all concrete, and crack fill, linear paving, post-tension and/or base work as required.**
- **Place, shape, and compact the趁着, base material as required.**
- **Complete all structural covers, bedding a base and connection to their finished elevations as required.**
- **Complete and plant top cover base as required.**
- **Complete and complete all finish works.**
- **Complete all finishings, construction including all cleanup and final certification.**

## Table: Quantities

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Units</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
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<td>40550019</td>
<td>Driveway, Nonsurfaced</td>
<td>Ft</td>
<td>60.00</td>
</tr>
<tr>
<td>40550020</td>
<td>Roadway, Nonsurfaced</td>
<td>Ft</td>
<td>60.00</td>
</tr>
<tr>
<td>40550021</td>
<td>Epoxy Coating</td>
<td>Sq Ft</td>
<td>10.00</td>
</tr>
</tbody>
</table>

## Diagram: Construction Key

**Legend:**

- **A:** Asphalt, 8 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A1:** Asphalt, 6 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A2:** Asphalt, 4 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A3:** Asphalt, 2 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A4:** Asphalt, 1 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A6:** Asphalt, 6 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A7:** Asphalt, 4 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A8:** Asphalt, 2 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent
- **A9:** Asphalt, 1 in. thick, surfaced, with 1 in. asphalt, bitumen, or equivalent

## Notes

- **Construction sequence and execution shall be as directed by the Project Manager.**
- **All materials shall be delivered to the job site as required.**
- **All materials shall be delivered to the job site as required.**

## Contact Information

**City of Ann Arbor Public Services**

**301 East Huron Street, P.O. Box 8647**

**Ann Arbor, Michigan 48107-8647**

**734-794-6410   www.a2gov.org**
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## CITY OF ANN ARBOR PROJECT MANAGEMENT

### PROJECT LOCATION: HIGH ORCHARD COURT

**ITB No. 4477  FILE No. 2017-004**

### CONSTRUCTION METHOD AND SEQUENCING

1. **Prepare Track:** Perform the track work as required.
2. **Prepare Base:** Prepare and construct the base as required.
3. **Concrete Pour:** Pour the concrete as required.
4. **Concrete Finish:** Finish and curing of the concrete as required.
5. **Test Pave:** Test pave the surface as required.
6. **Final Finish:** Final finish and curing of the surface as required.
7. **Open to Traffic:** Open to traffic as required.

### LEGEND

- **Concrete:** Black
- **Base:** Gray
- **Grass:** Green
- **Driveway:** Yellow
- **Pavement:** Red

### QUANTITIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
</table>

### NOTES

- **Notice:** The construction work shall be performed in accordance with the plans and specifications.
- **Responsibility:** The contractor shall be responsible for all work performed on the site.
- **Permits:** All necessary permits shall be obtained prior to the commencement of any work.
- **Safety:** All safety regulations and guidelines shall be followed to ensure the safety of all personnel and the public.
- **Supervision:** The project supervisor shall be present on the site during the construction period.

---

**City of Ann Arbor Public Services**
301 East Huron Street, P.O. Box 8647
Ann Arbor, Michigan 48107-8647
734-794-6410  www.a2gov.org

**Project Management Services Unit**
251 East Huron Street
P.O. Box 6457
Ann Arbor, MI 48107-6457
734-794-6450  www.a2gov.org
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Know what's below. Call before you dig.
CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: WEST JEFFERSON STREET

ITB No. 4477   FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

[Detailed construction method and sequencing information]

NOTES

[Construction notes and requirements]

PROJECT MANAGEMENT SERVICES UNIT
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www.a2gov.org

ANNUAL STREET RESURFACING - 2017
WEST JEFFERSON STREET
STA. 10+00 - STA. 32+00

SEE ABOVE RIGHT
STA:21+00

SEE SHEET 28
STA:32+00
Know what's below. Call before you dig.
Know what's below.
Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

WORK ON THE STREET PROJECTS BUT IS NOT LIMITED TO THE FOLLOWING ITEMS: CONTINUE THE WORK IN THE DETACHED LANE TO COMPLETE THE STREET LANDSCAPE AND THE STREET LIGHTING. THE WORK WILL BE COMPLETED IN Phases. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be scheduled to minimize the impact on traffic and to provide continuous access for the residents and businesses. The work will be performed in stages to minimize the impact on traffic and to provide continuous access for the residents and businesses.
PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

301 EAST HURON STREET
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ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

ANNUAL STREET RESURFACING - 2017

ARLINGTON BOULEVARD

TRAFFIC CONTROL

SEE SHEET 33
STA: 21+02

SEE SHEET 35
STA: 32+05
Do not dig without permission. Call before you dig.

Know what's below.

CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
P.O. BOX 8647
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734-794-6410
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ANNUAL STREET RESURFACING - 2017
ARLINGTON BOULEVARD

STA: 43+07

STA: 54+09

SEE SHEET 35

SEE SHEET 37

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

36 OF 136
PLAN:
1:40

Know what's below.
Call before you dig.
Know what's below. Call before you dig.
Know what's below. Call before you dig.

PLAN: 1:40

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
CITY OF ANN ARBOR
PUBLIC SERVICE
301 EAST HURON STREET
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ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

ANNUAL STREET RESURFACING - 2017
ARLINGTON BOULEVARD
PAVEMENT MARKINGS
SEE SHEET 46
STA: 21+02
LIMITS

45 OF 136
KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.
Know what's below.
Call before you dig.
Know what's below. Call before you dig.
ARLINGTON BLVD

GEDDES RD

Limit

Plan: 1:40

Know what's below. Call before you dig.

City of Ann Arbor
Public Service
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734-794-6410
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Project Management - Public Services - City of Ann Arbor

ANNUAL STREET RESURFACING - 2017

ARLINGTON BOULEVARD

PAVEMENT MARKINGS

SEE SHEET 49

STA: 65+12
CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: CATHERINE STREET

ITB No. 4477  FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

Work on the street required, but is not limited to, the following items: Complete the work in accordance with the plans and specifications, at the date shown below which term shall mean and include the time necessary to complete the work. Contractors are required to submit to the City a written report within 10 days of the completion of their work. The City reserves the right to reject any report that does not fully satisfy the City's requirements.

TABLE 1: PROJECT MANAGEMENT SERVICES UNIT
CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410   www.a2gov.org

NOTES
LEGEND
SYMBOL
DESCRIPTION
CONSTRUCTION METHOD AND SEQUENCING

CONTRACTOR: [Contractor Name]
DATE: [Date]

QUANTITIES

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<th>Item Code</th>
<th>Description</th>
<th>Quantity</th>
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<td>[Description]</td>
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</tr>
<tr>
<td>000002</td>
<td>[Description]</td>
<td>[Quantity]</td>
</tr>
<tr>
<td>000003</td>
<td>[Description]</td>
<td>[Quantity]</td>
</tr>
</tbody>
</table>

PACKAGES

1. [Package 1]
2. [Package 2]
3. [Package 3]

INSTRUCTIONS

1. All work shall be performed in accordance with the plans and specifications.
2. All work shall be performed in a good and workmanlike manner.
3. All work shall be performed in accordance with all applicable codes and regulations.
4. All work shall be performed in accordance with all applicable laws and ordinances.

REPORTS

All reports shall be submitted to the City within 10 days of the completion of the project. The reports shall include all necessary information as required by the City. The reports shall be submitted in the form specified by the City. The reports shall be submitted on [date].

CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: CATHERINE STREET

ITB No. 4477  FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

Work on the street required, but is not limited to, the following items: Complete the work in accordance with the plans and specifications, at the date shown below which term shall mean and include the time necessary to complete the work. Contractors are required to submit to the City a written report within 10 days of the completion of their work. The City reserves the right to reject any report that does not fully satisfy the City's requirements.

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CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410   www.a2gov.org

NOTES
LEGEND
SYMBOL
DESCRIPTION
CONSTRUCTION METHOD AND SEQUENCING

CONTRACTOR: [Contractor Name]
DATE: [Date]

QUANTITIES

<table>
<thead>
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<tr>
<td>000003</td>
<td>[Description]</td>
<td>[Quantity]</td>
</tr>
</tbody>
</table>

PACKAGES

1. [Package 1]
2. [Package 2]
3. [Package 3]

INSTRUCTIONS

1. All work shall be performed in accordance with the plans and specifications.
2. All work shall be performed in a good and workmanlike manner.
3. All work shall be performed in accordance with all applicable codes and regulations.
4. All work shall be performed in accordance with all applicable laws and ordinances.

REPORTS

All reports shall be submitted to the City within 10 days of the completion of the project. The reports shall include all necessary information as required by the City. The reports shall be submitted in the form specified by the City. The reports shall be submitted on [date].
Know what's below. Call before you dig.
Know what's below. Call before you dig.
Know what's below.
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CITY OF ANN ARBOR
PUBLIC SERVICE
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ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

ANNUAL STREET RESURFACING - 2017
2017004

CATHERINE ST
PAVEMENT MARKINGS
SEE SHEET 57
STA: 28+50
SEE BELOW LEFT
STA: 39+50

SEE ABOVE RIGHT
STA: 39+50
# City of Ann Arbor

**Project Management**

**Project Location:** Church Street

**ITB No. 4477**  **FILE No. 2017-004**

## Project Details:

- **Project Management:** Public Services - City of Ann Arbor
- **Address:** 301 East Huron Street, P.O. Box 8647, Ann Arbor, Michigan 48107-8647
- **Telephone:** 734-794-6410   www.a2gov.org

## Construction Method and Sequencing

- **Work Notes:** The work is to be performed in accordance with the plans and specifications attached to the document.
- **Construction Schedule:** The work is to be performed during scheduled construction periods to minimize traffic disruption.
- **Project Completion:** The project is to be completed in the manner specified in the plans and specifications.

## Construction Key

<table>
<thead>
<tr>
<th>Legend</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTION METHOD AND SEQUENCING</td>
<td></td>
</tr>
</tbody>
</table>

## Quantities

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Units</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSTRUCTION MATERIALS</td>
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</tbody>
</table>

## Notes

- **Legend:** Construction Method and Sequencing
- **Symbol:** Various symbols for construction materials and sequencing.
- **Construction Notes:** Specific instructions for construction methods and sequencing.

---

The above document details a project management plan for the City of Ann Arbor, specifically for Church Street. It includes construction details, quantities, and notes for the project. The plan is designed to ensure smooth execution with minimal disruption to the community. The document is comprehensive, covering all aspects from planning to completion, ensuring all work is done according to specified standards and specifications.
PLAN:

1" = 200'

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ANNUAL STREET RESURFACING - 2017
CHURCH STREET
DETOUR
KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
Know what's below. Call before you dig.
Know what's below. Call before you dig.

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ANNUAL STREET RESURFACING - 2017
CHURCH STREET PAVEMENT MARKINGS
LOCATION: GREEN ROAD NON-MOTORIZED PATH

CONSTRUCTION METHOD AND SEQUENCING

NOTE: THIS DRAWING IS FOR INFORMATIONAL PURPOSES ONLY AND DOES NOT CONSTITUTE A CONTRACT. THE CONTRACTOR IS RESPONSIBLE FOR THE SEQUENCING AND METHODS OF CONSTRUCTION.

CONSTRUCTION KEY

LEGEND

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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</table>

NOTES

1. ADEQUATE MAINTENANCE OF TRAFFIC (AMT) PLAN AND INITIAL INJURY PROTECTION
2. CONDUCT PERIODICAL OR PERMANENT WORK
3. PLACE, GRADE, SHAPE, AND COMPLY WITH MATERIALS AS REQUIRED
4. COMPLETE ALL PREP PRETREATMENT
5. COMPLETE ANY PREPAREDNESS WORK AND ALL CLEAR UP
6. COMPLETE ALL PREP CLEARING METHODS AND END CLEAR UP.

QUANTITIES

<table>
<thead>
<tr>
<th>Item</th>
<th>Item Code</th>
<th>Description</th>
<th>Unit</th>
<th>Price</th>
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</thead>
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</table>

POLICE, FIRE, AND SECURITY

INSTRUCTIONS TO CONTRACTORS:

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PROJECT MANAGEMENT SERVICES UNIT
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CONSTRUCTION METHOD AND SEQUENCING

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CONSTRUCTION KEY

LEGEND

<table>
<thead>
<tr>
<th>SYMBOL</th>
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NOTES

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**ANNUAL STREET RESURFACING - 2017**

**GREEN ROAD NON-MOTORIZED PATH**

STA. 9+50

---

STA. 9+50

---

STA. 19+00

---

SEE SHEET 66

---

SEE ABOVE RIGHT

---

STA: 9+50

---

SEE BELOW LEFT

---

PLAN: 1" = 40'

---

Know what's below.

---

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---

PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

---

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ANNUAL STREET RESURFACING - 2017

GREEN ROAD NON-MOTORIZED PATH
STA. 19+00 - STA. 38+00

SEE SHEET 65

STA:19+00
SEE BELOW LEFT

STA:28+50
SEE ABOVE RIGHT

STA:28+50
SEE SHEET 67

STA:38+00
R:
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ANNUAL STREET RESURFACING - 2017
GREEN ROAD NON-MOTORIZED PATH
STA. 38+00 - STA. 43+35
SEE SHEET 66 STA:38+00
**PROJECT LOCATION:** HILL STREET

**CONSTRUCTION METHOD AND SEQUENCING**

**NOTE:** ALL WORK IS TO BE PERFORMED IN CONFORMITY WITH THE CITY OF ANN ARBOR PUBLIC SERVICES REGULATIONS AND THE CITY OF ANN ARBOR PUBLIC SERVICES CONTRACT DOCUMENTS. NON-COMPLIANCE WITH PERMITS, ORDINANCES, LAWS, OR REGULATIONS MAY RESULT IN CESSION, REFUSAL OF PAYMENT, OR CANCELLATION OF CONTRACT. CONTRACTOR SHALL COMPLY WITH ALL CITY OF ANN ARBOR REGULATIONS, LAWS, AND ORDINANCES. NON-COMPLIANCE MAY RESULT IN CESSION, REFUSAL OF PAYMENT, OR CANCELLATION OF CONTRACT.
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2017004 - ANNUAL STREET RESURFACING - 2017

Hill Street
STA: 10+00 - STA: 25+12

See below left

STA: 19+00

See above right

STA: 19+00
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2017004
ANNUAL STREET RESURFACING - 2017
# Project Location: Miller Avenue

**ITB No. 4477   FILE No. 2017-004**

**Operational Status:**

**Project Details:**

- **Project Location:** Miller Avenue
- **Annual Street Resurfacing - 2017**

## Project Management

**Project Location:** Miller Avenue

**ITB No. 4477   FILE No. 2017-004**

**Operational Status:**

## Construction Method and Sequencing

**Description:**

1. **Annual Maintenance of Patches (HMA) Plan:**
   - **Sealcoat and Install Soil Bender and Sealcoat Operations as Directed by the Engineer.**

2. **Concrete Repair Work Related to Paving Operations:**
   - **Sealcoat and Install Soil Bender and Keene Operations as Directed by the Engineer.**

3. **Install Preformed Concrete Vertical Stems:**
   - **Sealcoat and Install Soil Bender Operations as Directed by the Engineer.**

4. **Perform All Concrete Work, Including Restoration:**
   - **Sealcoat and Install Soil Bender Operations as Directed by the Engineer.**

5. **Place 2 Inches of Crown Roll Fiber by Sealing:**
   - **Sealcoat and Install Soil Bender Operations as Directed by the Engineer.**

6. **Remove All Joint and Other Erosion Materials Operations and/or Have Requests as Required:**
   - **Sealcoat and Install Soil Bender Operations as Directed by the Engineer.**

7. **Place 3 1/2 Inches of Crown Roll Fiber by Sealing:**
   - **Sealcoat and Install Soil Bender Operations as Directed by the Engineer.**

**Notes:**

- **Repeat Step 1:**
  - **Note:**
    - Place 3 1/2 Inches of Crown Roll Fiber by Sealing.

- **Perform All Joint and Other Erosion Materials Operations and/or Have Requests as Required:**
  - **Note:**
    - Place 3 1/2 Inches of Crown Roll Fiber by Sealing.

- **Clean Up and Final Restoration:**
  - **Note:**
    - Place 3 1/2 Inches of Crown Roll Fiber by Sealing.

- **Complete All Miscellaneous Construction Including All Clean Up and Final Restoration:**
  - **Note:**
    - Place 3 1/2 Inches of Crown Roll Fiber by Sealing.

- **Remove All Traffic Control Devices and Barricade Signs**
  - **Note:**
    - Place 3 1/2 Inches of Crown Roll Fiber by Sealing.

---

**QUANTITIES**

<table>
<thead>
<tr>
<th>Material</th>
<th>Name</th>
<th>Description</th>
<th>Grade</th>
<th>Size</th>
<th>Code</th>
<th>Unit</th>
<th>Quantity</th>
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**CONSTRUCTION KEY**

<table>
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<tr>
<th>Material</th>
<th>Description</th>
<th>Grade</th>
<th>Code</th>
<th>Unit</th>
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</table>

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**NOTES**

- **Legend:**
  - **Description Activity:**
    - **Construction Method and Sequencing**

- **SYMBOLS:**
  - **Description Activity:**
    - **Construction Details**

---

**PROJECT MANAGEMENT SERVICES UNIT**

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734-794-6410   www.a2gov.org

---

**ADDED NOTES:**

- **Construction Details:**
  - **Description Activity:**
    - **Construction Details**

---

**APPROVED:**

- **Construction Details:**
  - **Description Activity:**
    - **Construction Details**

---

**PROJECT CONTACT:**

CITY OF ANN ARBOR PUBLIC SERVICES
301 EAST HURON STREET, P.O. BOX 8647
ANN ARBOR, MICHIGAN 48107-8647
734-794-6410   www.a2gov.org
Know what's below.
Call before you dig.
Call before you dig.
MILLER AVE
M-14 EXIT RAMP
M-14 ON RAMP
LIMITS
LIMITS
LIMITS
LIMITS
M-14
M-14
MILLER AVE
PLAN: 1:40

Know what's below. Call before you dig.

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ANNUAL STREET RESURFACING - 2017
MILLER AVENUE
STA. 10+00 - STA. 28+50

SEE SHEET 79 STA:28+50
SEE ABOVE RIGHT STA:17+50
SEE BELOW LEFT STA:11+50
SEE BELOW LEFT STA:11+50

M-14 ON RAMP
M-14 EXIT RAMP

STA:17+50
STA:17+50
STA:28+50
SEE SHEET 79 STA:28+50
Know what's below. Call before you dig.

MILLER AVE
KUEHNLE AVE
M-14 EXIT RAMP
M-14 ON RAMP
LIMITS
N MAPLE RD
LIMITS

PLAN: 1:40

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2017004
ANNUAL STREET RESURFACING - 2017
MILLER AVENUE
STA. 28+50 - STA. 43+26
SEE ABOVE RIGHT
STA:39+50
SEE SHEET 78
STA:28+50
SEE BELOW LEFT
STA:39+50
Know what's below. Call before you dig.

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2017004
ANNUAL STREET RESURFACING - 2017
MILLER AVENUE
PAVEMENT MARKINGS

SEE BELOW LEFT
STA: 17+50

SEE SHEET 81
STA: 28+50

SEE ABOVE RIGHT
STA: 17+50
MILLER AVE
KUEHNLE AVE
M-14 EXIT RAMP
M-14 ON RAMP
LIMITS
N MAPLE RD
MILLER AVENUE
PAVEMENT MARKINGS
SEE SHEET 81
STA:28+50
SEE BELOW LEFT
STA:39+50
SEE ABOVE RIGHT
STA:39+50
Know what's below. Call before you dig.
THE CONTRACTOR SHALL PROVIDE THE STREET LIGHTING DISCONNECT BOX/LIGHTING CONTROLLER SHOWN HERE AND AS SPECIFIED IN THE CONTRACT DOCUMENTS.

THE CONTRACTOR SHALL PROVIDE & CEMENT A PEDESTRIAN SIGNAL POLE FOUNDATION AS SHOWN HERE.

THE CONTRACTOR SHALL PROVIDE THE COMMUNICATIONS HANDHOLE ASSEMBLY AS SHOWN HERE.

TRAFFIC SIGNAL OR ELECTRICAL HANDHOLE ASSEMBLY

CONDUIT PLACEMENT DETAIL

PEDESTRIAN SIGNAL POLE FOUNDATION SD-SL-3

COMMUNICATIONS HANDHOLE ASSEMBLY

ANCHOR BOLT PROJECTION DETAIL

STREETLIGHT FOUNDATION SD-SL-1

STREETLIGHT DETAIL

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ANNUAL STREET RESURFACING - 2017

S Division Street
Stage 1 PH 1

Stage 1 PH 2A

NOTICE: FOR CHANNELIZING DEVICE, 42 INCH HCONS HAVE BEEN PLACED TO PLUG THESE DEVICES AT DRIVING OPENINGS. IT IS ADSERT WITH TRAFFIC CONTROL.
STAGING NOTES:

STAGE 1

1. INSTALL LEAD IN TRAFFIC CONTROL DEVICES AND SIGNS
2. CLOSE DIVISION PART-WIDTH BETWEEN PACKARD AND WILLIAM
3. CONTRACT FIELD SERVICES TO COORDINATE REMOVAL OF THE TRAFFIC DETECTION PUCKS IN ALL OF THE INTERSECTIONS
4. CONSTRUCT WATER MAIN AND BUMPOUT AT THE SOUTHEAST QUADRANT OF JEFFERSON/DIVISION AND COMPLETE CURB REPAIRS WITHIN THIS PHASE.
5. UPON PASSING WATER MAIN TESTS, CONSTRUCT WATER SERVICE LEADS PART WIDTH AND RESTORE TRENCHES
   - BEGIN CONSTRUCTION OF BUMPOUT AT THE NORTHEAST QUADRANT OF JEFFERSON/DIVISION

PHASE 2

1. IMPLEMENT LANE CLOSURES AND DETLECTORS FOR WILLIAMS, LIBERTY AND WASHINGTON AND EXTEND PART WIDTH CLOSURE OF DIVISION TO EAST HURON
2. CONSTRUCT BUMPOUTS AND COMPLETE CURB REPAIRS
   - PLACE HAND PATCHING, HMA LVSP TO RESTORE PEDSTRIAN AND VEHICLE TRAFFIC PRIOR TO SHIFTING TRAFFIC ON INTERSECTING INDIANCE
   - MAINTAIN LANE CLOSURES ON SIDESTREETS THRU THE REMAINDER OF THE PROJECT

PHASE 3

1. LOWER STRUCTURES IF NOT COMPLETED DURING PREVIOUS PHASE
2. PLACE SIGNS AND TRAFFIC CONTROL DEVICES TO CLOSE SOUTH LANE OF EAST HURON
3. MILL HMA FROM POB TO EAST HURON (POE) FOR DETAIL 7 AND 8 JOINT REPAIRS NECESSARY
4. COMPLETE ANY DETAIL 7 AND 8 JOINT REPAIRS NECESSARY
5. PLACE HMA LEVELING FROM POB TO POE
6. RAISE ALL STRUCTURES
7. INSTALL GEOSYNTHETIC PAVING LAYER FROM POB TO POE
8. PLACE HMA TOP COURSE FROM POB TO POE
9. REMOVE LANE CLOSURE FROM EAST HURON
10. INSTALL TEMPORARY STOP BARS
11. MILL HMA FROM POB TO POE (POE)
Know what's below.
Call before you dig.
Know what's below. Call before you dig.
Know what's below.
Call before you dig.
PLAN: 1" = 40'

Know what's below. Call before you dig.

Project Management - Public Services - City of Ann Arbor

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PUBLIC SERVICES
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ANNUAL STREET RESURFACING - 2017

STAGE 2

- Phase 1
  1. Install traffic control devices and signage to switch the full-width closure of Division between Packard and East Huron.
  2. Complete installation of hydrant and leads and all concrete work with the exception of the manhole at the west end of Division.
  3. Plate grass plantings, man (LP) to restore pedestrian and vehicle traffic prior to shifting traffic on intersecting streets.
  4. Upon completion, abandon at E. Huron
  5. Upon abandonment, the water main, complete construction or decommission at the southwest quadrant of William/Division.

- Phase 2
  1. Construct swales and complete curb repair.
  2. Plate grass plantings, man (LP) to restore pedestrian and vehicle traffic prior to shifting traffic on intersecting streets.
  3. Complete to maintain lane closures on Division thru the remainder of the project.

- Phase 3
  1. Lower structures if not completed during previous phases
  2. Place signs and traffic control devices to close south lane of East Huron
  3. Paint main from pole to pole for to pole
  4. Complete any detail work and general repair necessary
  5. Place main (LP) from pole to pole
  6. Move all structures
  7. Install geotextile paving layer from pole to pole
  8. Place main (LP) from pole to pole
  9. Remove lane closure from East Huron
  10. Install a pavement marker

WORK ZONE BEGINS
TRAFFIC FINES DOUBLED
SEE SHEET 94
STA:15+00
Know what's below. Call before you dig.
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115
OF
136

2017004

ANNUAL STREET RESURFACING - 2017

S DIVISION STREET
PMARK 20+50 TO POE
STOP BAR AND CROSSWALK DETAIL
DOTTED LINE DETAIL
DASHED SEGMENT DETAIL
BIKE SYMBOL DETAIL
TYPICAL DOUBLE YELLOW SEPARATION DETAIL
SHARROW BIKE SYMBOL DETAIL

Know what's below. Call before you dig.
PROJECT LOCATION: S UNIVERSITY AVENUE

ITB No. 4477   FILE No. 2017-004

CONSTRUCTION METHOD AND SEQUENCING

1. PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR
PROJECT MANAGEMENT

PROJECT LOCATION: S UNIVERSITY AVENUE
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PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR
ANNUAL STREET RESURFACING - 2017
S UNIVERSITY AVENUE
TRAFFIC CONTROL
SEE SHEET 119
STA: 16+50
Know what's below. Call before you dig.
Know what's below.
Call before you dig.
Know what's below.
Call before you dig.
Call before you dig.
Know what's below.
Call before you dig.

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PUBLIC SERVICES
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ANNUAL STREET RESURFACING - 2017
W. LIBERTY STREET
TRAFFIC CONTROL

SEE SHEET 125
STA: 18+50
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ANNUAL STREET RESURFACING - 2017
WEST LIBERTY STREET
STA: 18+50 - STA: 29+50

SEE SHEET 129
STA: 29+50
1:40

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ANNUAL STREET RESURFACING - 2017
W LIBERTY ST
STA: 29+50 - STA: 38+06

SEE SHEET 128
SHE 31-05
Plan: 1:40

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2017 Annual Street Resurfacing - 2017

S University Avenue
Pavement Markings

See Sheet 131
STA: 18+50
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ANNUAL STREET RESURFACING - 2017

WEST LIBERTY STREET
PAVEMENT MARKINGS
SEE SHEET 131
STA:29+50
# CITY OF ANN ARBOR
## PROJECT MANAGEMENT

### PROJECT LOCATION: W. STADIUM BLVD

**ITB No. 4477  FILE No. 2017-004**

### CONSTRUCTION METHOD AND SEQUENCING

- **Know what's below. Call before you dig.**
- **PROJECT MANAGEMENT - PUBLIC SERVICES - CITY OF ANN ARBOR**

### LEGEND

<table>
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<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>A</td>
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<tr>
<td>B</td>
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### QUAINTIES

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<th>Item Code</th>
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<th>Unit</th>
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<td>00001</td>
<td>Concrete Pavement C-1500</td>
<td>T</td>
<td>150</td>
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</table>
Know what's below.
Call before you dig.

Project Management - Public Services - City of Ann Arbor
301 East Huron Street
P.O. Box 8647
Ann Arbor, MI 48107-8647
734-794-6410
www.a2gov.org

ANNUAL STREET RESURFACING - 2017
W. STADIUM BLVD
STA. 10+00 - STA. 28+18

SEE BELOW LEFT
STA: 21+00

SEE ABOVE RIGHT
STA: 21+00
Know what’s below. Call before you dig.