SPEED HUMP CROSS SECTION

SECTION B-B

PAVEMENT MARKING DETAIL

GENERAL NOTES

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

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

SPEED HUMP CROSS SECTION

SECTION A-A
### CITY OF ANN ARBOR
### PROJECT MANAGEMENT
### 2015 ANNUAL RESURFACING
### PROJECT LOCATION: S. STATE STREET

IBT No. 4371 FILE No. 2015-004

#### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following tasks. The order of construction shall be as shown unless otherwise authorized or directed by the Engineer.

2. Placement of temporary, maintenance, and soil erosion controls in accordance with the plans and as directed by the Engineer.

3. Performance of all concrete work, including subgrades, in accordance with the plans and as directed by the Engineer.

4. Installation of drainage, stormwater management, and watermain systems, subject to change by the Engineer upon request. All work shall be performed in accordance with the Engineer's purchase order and as directed by the Engineer.

5. Performance of other work as specified or directed by the Engineer.

6. Complete all pavement work in accordance with the plans, and as directed by the Engineer.

7. Complete all miscellaneous construction including all cleanup and final restoration.

8. Remove all traffic control devices, ensure all equipment is clear of the street.

#### NOTES:

- The enclosed work program is integral to the overall construction plan and must be followed. Any deviation from this plan requires prior written approval from the Engineer. The failure to follow this plan may result in additional costs to the Contractor. Any recommended changes shall be noted on the plans and specifications.

- The undersigned is authorized to make changes in the plans and specifications if so directed by the Engineer. These changes shall be noted on the plans and specifications.

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CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include but not be limited to the following: The order of construction shall be as shown unless otherwise specified or directed by the Engineer.

2. Implement Traffic Maintenance and Soil-Botanics controls in accordance with the plans and as directed by the Engineer.

3. Perform all concrete work, including reinstatement, in accordance with the plans and as directed by the Engineer.

4. Hills and slopes of driveways, material from existing pathways that may include standard road base materials, open to be reinstated by the Engineer shall be kept full.

5. Perform backfilling and base returns as directed by the Engineer.

6. Shade trees, and re-landscape the existing road base as required, and as directed by the Engineer.

7. Adjust all structures, curbs, manholes, and other value items to their original elevations.

8. Place 14 inches of the remaining mix as specified or directed, as the wearing course, in the lift.

9. Complete all pavement markings in accordance with the plans and as directed by the Engineer.

10. Complete all miscellaneous construction including all clean-up and final reinstatement.

11. Remove all traffic control devices, paving mix on the road.
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: NEWPORT ROAD
ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be performed on the street shall include, but not be limited to, the following: the work of construction shall be in such a manner as not to interfere with the public welfare.

2. Implement traffic maintenance, and soil erosion controls in accordance with the plans, and as directed by the engineer.

3. Perform all construction work, including detours, so as to provide for the safety of the public, and as directed by the engineer.

4. Supply equipment with materials from existing passages that may involve lane closures, and works in the public interest, as directed by the engineer.

5. Perform all traffic control and site safety as directed by the engineer.

6. Grade, shape, and compact the existing street base as required, and as directed by the engineer.

7. Place all materials at the intersections but as specified on the drawings, and as directed by the engineer.

8. Complete all pavement markings in accordance with the plans, and as directed by the engineer.

9. Complete all miscellaneous construction including all clean-up and final restoration.

10. Remove all traffic control devices, remaining wet on each.

NOTES:

The details and specifications are approximate and subject to change without notice. The City of Ann Arbor shall be held harmless for any errors or omissions. The City of Ann Arbor reserves the right to reject any and all bids. The City of Ann Arbor reserves the right to change any specifications or the work to be done, and the time to complete the work, or any part thereof. The City of Ann Arbor reserves the right to make changes in the plans and specifications, and to make such other changes in the plans and specifications as may be necessary for the proper performance of the work. The City of Ann Arbor shall not be liable for any losses or damages sustained by any person or property incurred in the performance of the work, or by reason of any errors or omissions in the plans and specifications. The City of Ann Arbor reserves the right to make changes in the plans and specifications, and to make such other changes in the plans and specifications as may be necessary for the proper performance of the work. The City of Ann Arbor shall not be liable for any losses or damages sustained by any person or property incurred in the performance of the work, or by reason of any errors or omissions in the plans and specifications.
**TRAFFIC CONTROL & ROAD SURFACING**

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**CONSTRUCTION METHOD AND SEQUENCING**

1. The work to be completed on the street shall include, but not be limited to, the following: Traffic control, signing, striping and surfacing. The work shall be performed in accordance with the plans and specifications at the option of the Contractor.

2. All work shall be performed in accordance with the plans and specifications.

3. All work shall be performed in accordance with the plans and specifications.

4. All work shall be performed in accordance with the plans and specifications.

5. All work shall be performed in accordance with the plans and specifications.

6. All work shall be performed in accordance with the plans and specifications.

7. All work shall be performed in accordance with the plans and specifications.

8. All work shall be performed in accordance with the plans and specifications.

9. All work shall be performed in accordance with the plans and specifications.

10. All work shall be performed in accordance with the plans and specifications.

**NOTES:**

- The Contractor is responsible for all traffic control and for making the work area safe for all persons who work or live in the area.

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CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING

PROJECT LOCATION: DHU VARREN ROAD

ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to:
   the following:
   a. The order of construction shall be as shown unless otherwise authorized by the
      Engineer.
   b. Implement traffic control and soil erosion controls in accordance with the plans,
      and as specified by the Engineer.

- Performing all construction work, including restoration, in accordance with the plans,
and as specified by the Engineer.

- Remove raised pavement markers from the existing roadway.

- All existing materials, materials from existing structures, and material from
existing road shall be removed from the roadway prior to new pavement.

- Post all notices and/or signs required as directed by the Engineer.

- Place all materials in the roadway as specified or directed, as the paving course, or
in the existing.

- Complete all pavement markings in accordance with the plans, and as directed by
the Engineer.

- Complete all miscellaneous construction including all clean-up and final restoration.

- Remove all traffic control devices, leaving one traffic lane.

- Not recommended to construct in these areas unless coordinated with the City's
General Plan and/or Designated Industry Organizations and/or Sewer. When the
Builder is not the Engineer, the Builder should coordinate with the City's
Engineer and/or the appropriate Department for the coordination of this project.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the
   following tasks. The order of construction shall be as shown unless otherwise
   directed by the Engineer:

2. Implement Traffic Maintenance and soil erosion controls in accordance with the
   plans and as directed by the Engineer.

3. Install all proposed storm sewer and underground as shown on the plans, and as
   directed by the Engineer.

4. Laid all structure courses, including valve and manhole boxes

5. Perform all backfill work, including restoration, in accordance with the plans, and as
   directed by the Engineer.

6. Will be opened for ventilation, maintenance, and testing purposes. This may include
   standard road work, in place to be determined by the Engineer. Prior to any full
   prior, perform backfill work and base repair as directed by the Engineer.

7. Grade, shape, and recompact the existing road base as required, and as directed by
   the Engineer.

8. Place 2 inches of the surfacing mix as specified on directed, as the leading course, in
   the limits.

9. Grind all structure courses, monolith也就是说, value boxes to their original dimensions.

10. Place 2 inches of the surfacing mix as specified on directed, at the leading course, in
    the limits.

11. Complete all pavement markings in accordance with the plans and as directed by
    the Engineer.

12. Complete all miscellaneous construction including all clean-up and final restoration.

13. Remove all Traffic Control Devices, remove any SDS flags.

NOTES:

The work is to be performed in three phases: the first phase of the work will
include the following tasks. The order of construction shall be as shown unless
otherwise directed by the Engineer. The second phase of the work shall
include the following tasks. The third phase of the work shall include the
following tasks. The order of construction shall be as shown unless otherwise
directed by the Engineer. The third phase of the work shall include the
following tasks. The order of construction shall be as shown unless otherwise
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following tasks. The order of construction shall be as shown unless otherwise
directed by the Engineer. The third phase of the work shall include the
following tasks. The order of construction shall be as shown unless otherwise
directed by the Engineer.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the
   following items: the boxed construction shall be as shown unless otherwise
   authorized or directed by the Engineer.
2. Implement Traffic Maintenance, and any Division of maintenance in accordance with the Plans,
   and as directed by the Engineer.
3. Install and procure Street signs, and undertake all shown on the Plans, and as
   directed by the Engineer.
4. Lend all structure courses, including value and monumental stones.
5. Perform all roadway work, including restoration, in accordance with the Plans,
   and as directed by the Engineer.

6. Any work of drainage, sanitary, and utility work that may be performed by the
   Engineer under the control of the City of Ann Arbor

7. Perform any traffic signs and other highway improvements directed by the Engineer.
8. Perform safe and efficient road closures as directed by the Engineer.
9. Perform excavation and re-compact the existing road base as required, and as directed
   by the Engineer.
10. Complete all pavement markings in accordance with the Plans, and as directed by the
    Engineer.
11. Complete all miscellaneous construction including clean-up and final restoration.
12. Remove all traffic control devices, remove and as directed.

NOTES:

- The City of Ann Arbor, City Engineer, or Project Manager may, at their discretion, and by giving
  written notice, alter the plans and specifications, if necessary to accommodate unforeseen
  conditions, or to correct mistakes or errors in the plans and specifications.
- The City of Ann Arbor reserves the right to make and direct change orders for work necessary to
  complete the work, or to correct mistakes or errors in the plans and specifications.
- Any claim or dispute arising from these plans shall be submitted to the City of Ann Arbor
  for resolution in accordance with the City's Procurement Policies.
- The undersigned acknowledges for the City of Ann Arbor.
- Without the written permission of the City of Ann Arbor, any work covered by this plan shall not be
  performed.
- The City of Ann Arbor reserves the right to reject any and all bids, and to accept the lowest
  bid which they may consider acceptable.
- The City of Ann Arbor reserves the right to waive any or all bids if they determine it to be in the
  best interest of the City.

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CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following:
   - The hours of construction shall be as shown on the plans or directed by the Engineer.
   - Implement traffic maintenance, and spoil removal controls in accordance with the plans, and as directed by the Engineer.
   - Install all grading and trenching work, and underdrain as shown on the plans, and as directed by the Engineer.
   - Lay all structure courses, including valves and manhole boxes.

   1. Perform all concrete work, including restoration, in accordance with the plans, and as directed by the Engineer.
   2. Lay all pipe or underground electric, telephone, or cable lines as shown on the plans, and as directed by the Engineer.
   3. Perform backfill and base materials as directed by the Engineer.
   4. Grade, pave, and re-compact the existing road base as required, and as directed by the Engineer.
   5. Paint 2 colors of the fire hydrants as specified on the plans, as shown on the plans, and as directed by the Engineer.
   6. Restore all existing structure, including sidewalks and valve boxes to their original condition.
   7. Paint 2 colors of the fire hydrants as specified on the plans, as shown on the plans, and as directed by the Engineer.
   8. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
   9. Complete all miscellaneous construction including all clean-up and final restoration.

10. Remove all traffic control devices, remove any dirt or flag.
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: BRIERWOOD STREET
ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following items: The order of construction shall be as shown unless otherwise specified on the plans. (a)
2. Implement infield maintenance and soil erosion controls in accordance with the plans, and as directed by the Engineer.
3. Install and maintain storm sewer and underground utilities as shown on the plans, and as directed by the Engineer.
4. Install all structure courses, including valve and manhole boxes.
5. Peg off all corners, including intersection, in accordance with the plans, and as directed by the Engineer.
6. Install 6.0 inches of roadbase material, including existing roadway. This may include standard loose material, option to be determined by the Engineer before final pour with full mix.
7. Perform infield maintenance base repairs as directed by the Engineer.
8. Grade, shape, and recompact the existing road base as required, and as directed by the Engineer.
9. Pour 2 inches of the bituminous mix as specified on the plans, as the grading course, in the left lane.
10. Reduce all structure courses, manhole surcharge, valve boxes to their roadbed elevations.
11. Pour 2 inches of the bituminous mix as specified on the plans, as the wearing course, in the right lane.
12. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
13. Complete all miscellaneous construction including all cleanup and final restoration.
14. Remove all traffic control devices, remove Mylar St. flags.

NOTES:

The work described in this project is included in the 2015 Annual Resurfacing Project, Project No. 2015-004. The project is located in the City of Ann Arbor, Michigan. The project includes

- Roadbase material
- Surfacing material
- Traffic control
- Storm sewer
- Underground utilities

The project is expected to be completed in 2015. The project is funded through the City's Capital Improvement Program (CIP) and is supported by local sales tax revenues.

The City of Ann Arbor, through its Department of Public Works, is responsible for the rehabilitation of neighborhood street networks.

The undersigned responsible for the performance of this project is the City of Ann Arbor. The undersigned is responsible for the performance of this project, and has not made any representations or warranties in connection with the performance of this project.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following: the roads of construction shall be as shown unless otherwise authorized or directed by the designer.

2. Implement traffic control and soil erosion controls in accordance with the plans and as directed by the designer.

3. Initial and final grading, trenching, and backfill shall be as shown on the plans, and as directed by the designer.

4. Lined all structure courses, including valve and manifolds boxes.

5. Perform all concrete work, including pavement, in accordance with the plans, and as directed by the designer.

6. All work of paving, marking, and re-flooding, shall include applying standard road base material. This material may be obtained from the designer, and other materials may be obtained at a cost to be determined by the designer.

7. Perform underground and/or raise repair as directed by the designer.

8. Grade, paint, and re-flood the existing road base as required, and as directed by the designer.

9. Place 2 inches of the identifier as specified on the plans, and as directed by the designer.

10. Complete all project work in accordance with the plans and as directed by the designer.

11. Complete all miscellaneous construction including all clean-up and final restoration.

12. Remove all traffic control devices, remove men & flags.

NOTES:

The construction work on this project shall be in accordance with the plans and specifications set forth in the contract documents. The contractor shall comply with all applicable laws and regulations. The city of Ann Arbor reserves the right to inspect the work at any time and may withhold payment for work not completed in accordance with the plans and specifications. The contractor shall be responsible for any damages caused by the contractor or its agents and may not be a part of the City of Ann Arbor system. This work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only. The work is for design and construction use only.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following: the order of construction shall be as shown unless otherwise authorized or directed by the engineer.

2. Maintenance, traffic control, and soil erosion controls in accordance with the plans, and as directed by the engineer.

3. Install and provide storm sewers, and underground as shown on the plans, and as directed by the engineer.

4. Laid all structure courses, including valve and manhole boxes.

5. Perform all temporary work, including restoration, in accordance with the plans, and as directed by the engineer.

6. Will be located on both sides of the street, adjacent to existing roadways, and new pavement shall be constructed with full, asphalt, and as directed by the engineer.

7. Perform underground and/or base repairs as directed by the engineer.

8. Grade, water, and re-compact the existing road base as required, and as directed by the engineer.

9. Place 2 inches of the final course as specified or directed, as the engineer, course, in the left.

10. Adjacent all structure courses, manhole box, and valve boxes to final pavement elevations.

11. Place 18 inches of the final course as specified or directed, as the engineer, course, in the left.

12. Complete all pavement markings in accordance with the plans, and as directed by the engineer.

13. Complete all miscellaneous construction buildings all clean-up and final restoration.

14. Remove all traffic control devices, remove signs, or flags.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following: Road surface construction shall be as shown unless otherwise authorized or directed by the Engineer.

2. Implement traffic maintenance and soil erosion controls in accordance with the plans and as directed by the Engineer.

3. Install and repair storm sewer and underground as shown on the plans and as directed by the Engineer.

4. Lend all structure courses, including valve and manhole boxes.

5. Perform all concrete work, including pavement and as shown on the plans, and as directed by the Engineer.

6. Will lay of concrete material from existing roadway and any public sidewalks, then base material, open to be removed by the Engineer after 30 days, with full payment. Perform inspections and/or base repairs as directed by the Engineer.

7. Grade, surface, and re-contract the existing road base as required and as directed by the Engineer.

8. Map 2 inches of the existing base or as specified or directed as the existing course, in the lift.

9. Grind all structure courses, manhole boxes, and other valued areas to their finished elevations.

10. Place a form of the previously map as specified or directed as the wearing course, in the lift.

11. Complete all pavement markings in accordance with the plans and as directed by the Engineer.

12. Complete all miscellaneous construction including all clean-up and final restoration.

13. Remove all traffic control devices. Remove any Die flags.

14. Complete all miscellaneous construction including all clean-up and final restoration.

15. Remove all traffic control devices. Remove any Die flags.

NOTES:

The following work is required at this location. Important to note: This project may be subject to change and may not be a part of the work. Any changes may become a part of the project. The Engineer shall be responsible for proper execution and may not be a part of the work. The work shall be subject to changes due to unforeseen conditions and may not be a part of the work. Any changes may become a part of the project. The work shall be subject to changes due to unforeseen conditions.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to, the following items. The order of construction shall be as shown unless otherwise authorized or directed by the Engineer.

2. Implement temporary pedestrian and soil erosion controls in accordance with the plans, and as directed by the Engineer.

3. Install and provide striping, signals, and underdrain as shown on the plans, and as directed by the Engineer.

4. Lined all structure courses, including valve and manhole boxes.

5. Perform all construction work, including restoration, in accordance with the plans, and as directed by the Engineer.

6. Will use various methods of temporary pedestrian and soil erosion controls, which may include temporary road space barriers or striping to be determined by the Engineer prior to final design.

7. Perform underground and/or pipe repairs as directed by the Engineer.

8. Grade, pave, and re-compact the existing road base as required, and as directed by the Engineer.

9. Place 2 inches of the specified mix as specified on directed, and as directed by the Engineer.

10. Install all structure courses. Permanent drainage valve boxes to meet required elevations.

11. Place 2 inches of the specified mix as specified on directed, and as directed by the Engineer.

12. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.

13. Complete all miscellaneous construction including all clean-up and final restoration.


NOTES:

The sheets on this project in these plans shall comply with the plans, specifications, and standards as shown on this plan and as directed by the Engineer. The construction, and/or preparation of this proposal, does not prejudice the Contractor from submission of bids. The Contractor accepts responsibility for completing the work in accordance with the contract documents and specifications, and agrees to the provisions of the contract documents and specifications and tender documents.

The underground locations shown for natural gas, electrical, and telephone lines, are approximate. The City of ANN ARBOR reserves the right to require any aspects of this project, in the event of a major utility service, to be relocated prior to construction to accommodate these utilities.

Traffic signals, temporary pedestrian and soil erosion controls, and temporary road space barriers, which may be used during the construction, are temporary and shall not be considered a part of the final product.

The above-mentioned temporary pedestrian and soil erosion controls, and the temporary road space barriers, shall be removed and the final products shall be replaced with permanent materials. The City of ANN ARBOR reserves the right to require the Contractor to complete the work in accordance with the contract documents and specifications and tender documents.
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: LONDONDERRY ROAD
ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

NOTE:
THIS WORK
FOLLOWS WATER
MAIN PROJECT AND
WILL UTILIZE
EXISTING TRAFFIC
CONTROL PLACED
BY OTHERS.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the
   following: The Order of construction shall be as shown on the drawings or
   as directed by the Engineer.

2. Maintain traffic and soil erosion controls in accordance with the plans and as directed by
   the Engineer.

3. Install all proposed storm inlets, and understand as shown on the plans and as
   directed by the Engineer.

4. Laid all structure courses, including valve and manhole boxes.

5. Perform all concrete work, including restoration, in accordance with the plans and as
   directed by the Engineer.

6. Will lay all of the materials for the original roadway and any other materials
   along the same materials, to be left open by the engineer, prior to this work.

7. Perform backfill to and/or back grades as directed by the Engineer.

8. Grade stable and re-compact the existing road base as required, and as directed by the
   Engineer.

9. Pour 2 coats of the emulsion as specified on the plans, as the concrete course, in
   the lift.

10. Lay all structure courses, including backman, backman and valve boxes to their
    previous locations.

11. Pour 2 coats of the emulsion as specified on the plans, as the concrete course, in
    the lift.

12. Complete all pavement markings in accordance with the plans and as directed by the
    Engineer.

13. Complete all miscellaneous construction including all cleanup and final restoration.

14. Remove all traffic control devices. Remove was on flags.

NOTE:

THIS WORK
FOLLOWS WATER
MAIN PROJECT AND
WILL UTILIZE
EXISTING TRAFFIC
CONTROL PLACED
BY OTHERS.

TRAFFIC CONTROL & EQUIPMENT

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CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: DEVONSHIRE ROAD
ITB No. 4371 FILE No. 2015-004

NOTES:

NOTES TO CONTRACTOR OR COMPANY: THESE PLANS AND DOCUMENTS ARE RECOMMENDED TO
THE CONTRACTOR OR COMPANY, WHO BEGINS IN THE DISCUSSIONS OR CONSULTATIONS, AND AS DIRECTED BY THE
ENGINEER AND AS DIRECTED BY THE ENGINEER. THE DRAWING OF ANY CONTRACTOR OR COMPANY
SHELTER, NEST DUTIES, AND TO COMPLETE IT, INTO THE CONSTRUCTION AND RESPONSIBILITY OF THIS
PROJECT. THE CONTRACTOR OR COMPANY IS RESPONSIBLE FOR THE RESPONSIBILITY OF
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CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: BELMONT ROAD
ITB No. 4371 FILE No. 2015-004

TRAFFIC CONTROL & SIGN LEGEND

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
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<tr>
<td>100</td>
<td>ROAD WORK SIGN</td>
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<tr>
<td>101</td>
<td>ROAD CLOSED AHEAD</td>
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<tr>
<td>102</td>
<td>ROAD CLOSED BEHIND</td>
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<tr>
<td>103</td>
<td>PEDESTRIAN CROSSING</td>
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<td>104</td>
<td>6 IN. LEARNED BARRELLS</td>
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</tr>
<tr>
<td>105</td>
<td>ROAD CLOSED TO TRAFFIC</td>
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CONSTRUCTION METHOD AND SEQUENCING

1. The work to be performed on the street shall include, but not be limited to, the following: the work of construction shall be as shown unless otherwise authorized or directed by the Engineer.

2. Implement traffic maintenance and soil erosion controls in accordance with the plans.

3. Install and maintain storm sewer, and underground as shown on the plans, and as directed by the Engineer.

4. Laid all structure courses, including valve and manhole boxes.

5. Perform all concrete work, including restoration, in accordance with the plans, and as directed by the Engineer.

6. Will lay a face of concrete, material from existing roadway, one lift per course (shall also have material, same as shown on the plans, and as directed by the Engineer.)

7. Perform concrete/asphalt base repairs as directed by the Engineer.

8. Grind, prime and re-paint the existing road base as required and as directed by the Engineer.

9. Place 2 layers of the surfacing as specified or directed, as the leveling course, in the lift.

10. Add all structure courses, including manhole and valve boxes to their proper elevations.

11. Place 2 layers of the surfacing as specified or directed, as the bedding course, in the lift.

12. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.

13. Complete all medians/curb construction building all clean-up and final restoration.

14. Remove all traffic control devices, remove signs & flags.

NOTE:
THIS WORK FOLLOWS WATER MAIN PROJECT AND WILL UTILIZE EXISTING TRAFFIC CONTROL PLACED BY OTHERS.

NOTES:

- The work shown on this plan shall not conflict with the T.C. of the City of Ann Arbor Comprehensive Development Standards and Ordinances, which are available for reference. The location of any current construction areas not shown on these plans are not to be considered part of the current plans. Details and specifications are shown.

- Under the jurisdiction of the City of Ann Arbor, all work shall be performed in accordance with the City of Ann Arbor, Michigan, Ordinances and the requirements for the permitting of such work. All work shall be performed in accordance with the City of Ann Arbor, Michigan, Ordinances and the requirements for the permitting of such work.
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING

PROJECT LOCATION: LAWRENCE STREET

ITB No. 4371 FILE No. 2015-004

NOTE:
THIS WORK
FOLLOWS WATER
MAIN PROJECT AND
WILL UTILIZE
EXISTING TRAFFIC
CONTROL PLACED
BY OTHERS.

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE PERFORMED ON THE ROAD IS INCLUDED BUT NOT LIMITED TO THE FOLLOWING ITEMS. THE ORDER OF CONSTRUCTION SHALL BE AS DETERMINED BY THE AUTHORITY DENED OR DIRECTED BY THE OWNER.

2. INCREASE TRAFFIC VOLUME AND SOIL BORED CONTROL IN ACCORDANCE WITH THE PLANS.

3. INSTALL AND PROTECT VARIOUS HOMES AND TREATMENT SYSTEM AS SHOWN ON THE PLANS.

4. INSTALL ALL STRUCTURAL COVERS, INCLUDING VALVE AND MAINLINE BAYS.

5. PERFORM ALL CONCRETE WORK, INCLUDING RESTORATION, IN ACCORDANCE WITH THE PLANS.

6. M/W/ROOT STRUCTURAL MATERIAL, CONCRETE CALIBRATION MILEAGE.

7. PERFORM INDOOR AND/OR OUTDOOR RESTORATION AS DIRECTED BY THE OWNER.

8. GRADE EARTH, STREETS, AND RESTORE THE EXISTING ROAD EASE AS REQUIRED AND AS DIRECTED BY THE CONTRACTOR.

9. PAINT ALL ROOFS OF THE DRAINAGE WARE AS SPECIFIED ON THE PLANS.

10. ADJUST ALL STRUCTURAL DRAINAGE, MONITOR SURROUNDING WATER Wdivision TO THREE PERCENT ELEVATIONS.

11. PAINT ALL ROOFS OF THE DRAINAGE WARE AS SPECIFIED ON THE PLANS.

12. COMPLETE ALL PAINTING WORKS IN ACCORDANCE WITH THE PLANS.

13. COMPLETE ALL MECHANICALS CONSTRUCTION INSTALLING ALL CLEAN-UP AND FINAL RESTORATION.

14. REMOVE ALL TRAFFIC CONTROL DEVICES. REMOVE MARKS ON PLANS.
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: DUNCAN STREET

ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include but not be limited to the
   following: the base of construction shall be as shown unless otherwise indicated or
   directed by the Engineer.
2. Maintain traffic and soil erosion controls in accordance with the Plans and as directed by the
   Contractor.
3. Install any proposed storm sewer, and underground as shown on the Plans, and as directed by the
   Contractor.
4. Lined all structure coverings, including valve and manhole boxes
5. Perform all concrete work, including restoration, in accordance with the Plans, and as
   directed by the Contractor.
6. Will be placed of materials as specified from existing roadway. One lane width gravel
   base material. More to be determined by the Engineer. Prime and roll with full traffic.
7. Perform concrete and/or base repairs as directed by the Engineer.
8. Grade, shape, and re-compact the existing base as required and as directed by the
   Contractor.
9. Place 2 inches of the contract material as specified and restored. As the existing course, in
   the lift.
10. Restore all structure coverings, manhole boxings, valve boxes to their original elevations.
11. Place 2 inches of the contract material as specified and restored. As the existing course, in
    the lift.
12. Complete all pavement markings in accordance with the Plans and as directed by the
    Contractor.
13. Complete all miscellaneous construction including all clean-up and final restoration.

NOTE:
THIS WORK
FOLLOWS WATER
MAIN PROJECT AND
WILL UTILIZE
EXISTING TRAFFIC
CONTROL PLACED
BY OTHERS.

TRAFFIC CONTROL & SIGN LEGEND

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>Quantities</th>
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QUANTITIES

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<th>ITEM</th>
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NOTES:

- The Combined Capabilities of these plans shall comply in the
  10.5.01 section of the "Committee of 200" reference to determine
  the construction of the Contractor. The Contractor’s responsibility
  for the plans is subject to the plans and specifications.

- The undersigned, in no way, assumes any responsibility for
  any errors or omissions. The Contractor is responsible for the
  construction of the plans and specifications.

- The City of Ann Arbor reserves the right to request unreasonably
  large quantities of materials and/or services.

- The City of Ann Arbor reserves the right to require written estimates.

- The City of Ann Arbor reserves the right to change the plans and
  specifications at any time.
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2015 ANNUAL RESURFACING
PROJECT LOCATION: PEPPER PIKE STREET
ITB No. 4371 FILE No. 2015-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on the street shall include, but not be limited to,
the following: The work of construction shall be as herein unless otherwise
specified or directed by the Engineer.

2. Implement traffic control, and soil erosion controls in accordance with the plans,
and as directed by the Engineer.

3. Install and provide storm sewer, and underdrain as shown on the plans, and as
specified by the Engineer.

4. Lined all structure courses, including valve and manhole boxes.

5. Perform all concrete work, including restoration, in accordance with the plans, and as
specified by the Engineer.

6. Haul all materials from storage, allowing, from existing roadway, this may include standard
haul road material. Option to be determined by the Engineer prior to work.

7. Perform improvements and/or base repairs as directed by the Engineer.

8. Grade, pave, and re-grade the existing road base as required, and as directed by the
Engineer.

9. Place all of the surfacing mix as specified by the Engineer, as the sequence course, in
the left.

10. Reinstall all structure covers,.monument, manhole and valve boxes to their original
locations.

11. Place all of the surfacing mix as specified on directed, as the surface course, in
the right.

12. Complete all finish markings in accordance with the plans, and as directed by the
Engineer.

13. Complete all miscellaneous construction including all clean-up and final restoration.

14. Remove all traffic control devices. remove all signs.

NOTES:

All work described above is to be performed in accordance with all applicable local codes and
standards, and regulations, and to be performed in a manner that will not interfere with existing
traffic. The contractor shall provide a complete set of blueprints and plan drawings sufficient
for contractor's use.

The undersigned employee is on behalf of the City of Ann Arbor and agrees to provide a
complete set of blueprints and plan drawings sufficient for contractor's use. The contractor is
responsible for obtaining any permits and variances required, and may not be a part of the city of Ann Arbor.

The City of Ann Arbor is responsible for the accuracy of all work performed. Any disputes shall be
resolved by the City of Ann Arbor. The City of Ann Arbor reserves the right to approve all plans.

The undersigned employee is on behalf of the City of Ann Arbor and agrees to provide a complete
set of blueprints and plan drawings sufficient for contractor's use. The contractor is responsible for
obtaining any permits and variances required, and may not be a part of the city of Ann Arbor.