RESOLUTION TO ORDER THE IMPROVEMENT OF HEMLOCK POINT ROAD (TR 155)
Russell Township, Geauga County

WHEREAS, the Russell Township Board of Trustees, Geauga County, has determined by unanimous vote in Resolution No. 2013-30 that the public convenience and welfare require the improvement of the entire length of Hemlock Point Road (TR 155), from Music Street (TR 146) to Kinsman Road (SR 87), located within Russell Township, and authorized the Geauga County Engineer to prepare engineering plans in accordance with Section 5573.01 of the Ohio Revised Code; and

WHEREAS, the Geauga County Engineer has completed the plans, profiles, cross sections, estimates, and specifications for the improvement of Hemlock Point Road (TR 155), from Music Street (TR 146) to Kinsman Road (SR 87), within Russell Township, and has filed the specifications with the Board; and

WHEREAS, the Russell Township Board of Trustees has reviewed the plans, profiles, cross sections, estimates, and specifications and finds them acceptable; and

WHEREAS, an Ohio Public Works Commission grant has been approved for this project; and

WHEREAS, the cost of such improvement will not be excessive in view of the public utility thereof; and

WHEREAS, the Russell Township Board of Trustees is satisfied that the public convenience and welfare require the proposed improvement of Hemlock Point Road (TR 155), from Music Street (TR 146) to Kinsman Road (SR 87), in Russell Township.

NOW THEREFORE, BE IT RESOLVED that the Russell Township Board of Trustees in accordance with Section 5573.06 of the Ohio Revised Code hereby orders that such improvement proceed.

BE IT FURTHER RESOLVED that the Russell Township Board of Trustees hereby adopts the surveys, plans, profiles, cross sections, estimates, and specifications for such improvement, the costs of which shall be paid from local funding sources in accordance with Section 5573.07 of the Ohio Revised Code.

BE IT FURTHER RESOLVED that the Fiscal Officer of the Russell Township Board of Trustees is hereby ordered to let this project for bids in accordance with Section 5575.02 of the Revised Code. The bids shall be let upon a unit price basis. Bids shall be received by Charles Walder, Fiscal Officer, until 1:00 P.M. official local time on May 7, 2014. Bids received will be publicly opened and read aloud at 1:05 P.M. the same day at the Russell Township Fire-Rescue Department.

BE IT FURTHER RESOLVED that the Fiscal Officer of the Russell Township Board of Trustees is hereby instructed to transmit a certified copy of this resolution to the Geauga County Engineer.

Voting thereon:  Vote
Gary G. Graber  aye
Jason Mullen  aye
James Mueller  aye

I, Charles Walder, the Fiscal Officer of the Russell Township Board of Trustees, Geauga County, Ohio certify that the foregoing is a true and correct copy of a resolution adopted at a legally convened Board meeting held on __________, 2014.

Charles Walder, Fiscal Officer
RUSSELL TOWNSHIP
GEAUGA COUNTY, OHIO

Bid Specifications

The Asphalt Resurfacing of Hemlock Point Road, TR 155
Russell Township

Contract RUS-155-14

Bids Received By: May 7, 2014
1:00 P.M.
Administration Building
c/o Charles Walder
8501 Kinsman Road
Novelty, OH 44072

Bids Opened: May 7, 2014
1:05 P.M.
Fire-Rescue Dept.
14810 Chillicothe Road
Novelty, OH 44072

Prepared under the supervision of
Shane E. Hajjar, P.E.  P.E. 66714
Date 4/16/14  Geauga County Deputy Engineer

Plans/Specifications Approved by
Russell Township Board of Trustees

Gary G. Gabram  Date 4/16/14

Jared Madden  Date 4/16/14

James Mueller  Date 4/16/14
LEGAL NOTICE
Russell Township

Notice is hereby given that sealed bids will be received by the Russell Township Board of Trustees, c/o Charles Walder, Fiscal Officer, P.O. Box 522, 8501 Kinsman Road, Novelty, Ohio 44072 until 1:00 P.M. official local time on May 7, 2014. Bids received will be publicly opened and read aloud at 1:05 P.M. the same day at the Fire-Rescue Department located at 14810 Chillicothe Road, Novelty, OH 44072 for The Asphalt Resurfacing of Hemlock Point Road, TR 155 in Russell Township. The Engineer's estimate for this project is $365,000.00.

Copies of the plans and/or specifications may be obtained digitally online at http://www.co.geauga.oh.us/Departments/Engineer/OnlinePlans.aspx or a hardcopy is available at the Geauga County Engineer’s Office, 470 Center Street, Building 5, Chardon, OH 44024.

A bid guaranty in the amount of one hundred percent (100%) of the bid amount or a certified check, cashier's check or letter of credit pursuant to Chapter 1305 of the Ohio Revised Code in the amount of ten percent (10%) of the total bid amount shall accompany each bid. The bid shall be let upon a unit price basis.

All contractors and subcontractors involved with the project will, to the extent practicable, use Ohio products, materials, services, and labor in the implementation of their project. Bidders must comply with the prevailing wage rates on Public Improvements as determined by the Ohio Department of Industrial Relations.


Bids may be held by the Russell Township Board of Trustees for a period not to exceed sixty (60) days from the date of opening, for the purpose of reviewing the bids and investigating the qualifications of bidders, prior to awarding the contract.

The Russell Township Board of Trustees reserves the right to reject any and all bids, to waive any informalities or irregularities in the bids received, and to accept any bid or bids which are deemed most favorable to the Board at the time and under conditions stipulated, all in accord with the applicable provisions of laws of the State of Ohio governing the conduct of the Russell Township Board of Trustees.

BY THE ORDER OF THE RUSSELL TOWNSHIP BOARD OF TRUSTEES

Charles Walder, Fiscal Officer

Publish: April 22, 2014
TYPICAL SECTION
The Asphalt Resurfacing of Hemlock Point Road, TR 155
Russell Township, Geauga County

LEGEND

1. ITEM 424 - 1" FINE GRADED POLYMER ASPHALT CONCRETE, SURFACE COURSE, TYPE B, SBS PG76-22M, AS PER PLAN
2. ITEM 448 - 2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22, AS PER PLAN
3. ITEM 407 - TACK COAT, AS PER PLAN
4. ITEM 617 - 1" COMPACTED AGGREGATE (RACP), AS PER PLAN
5. ITEM 254 - PARTIAL DEPTH PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2" AVERAGE DEPTH)

A. EXISTING ASPHALT PAVEMENT

* STATION 0+00 IS LOCATED AT THE INTERSECTION OF HEMLOCK POINT ROAD AND MUSIC STREET
TYPICAL SECTION
The Asphalt Resurfacing of Hemlock Point Road, TR 155
Russell Township, Geauga County

SUPERELEVATED SECTION
STATION 61+00 TO STATION 63+45 = 245'
STATION 65+55 TO STATION 68+00 = 245'
TOTAL = 490'

LEGEND
1 ITEM 424 - 1" FINE GRADED POLYMER ASPHALT CONCRETE, SURFACE COURSE, TYPE B, SBS PG76-22M, AS PER PLAN
2 ITEM 448 - 2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, PG64-22, AS PER PLAN
3 ITEM 407 - TACK COAT, AS PER PLAN
4 ITEM 617 - 1" COMPACTED AGGREGATE (RACP), AS PER PLAN
5 ITEM 254 - PARTIAL DEPTH PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2" AVERAGE DEPTH)

X EXISTING ASPHALT PAVEMENT

* STATION 0+00 IS LOCATED AT THE INTERSECTION OF HEMLOCK POINT ROAD AND MUSIC STREET
TYPICAL SECTION

The Asphalt Resurfacing of Hemlock Point Road, TR 155
Russell Township, Geauga County

LEGEND

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5. ITEM 254 - PARTIAL DEPTH PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN (2" AVERAGE DEPTH)

A. EXISTING ASPHALT PAVEMENT
B. EXISTING CONCRETE CURB

* STATION 0+00 IS LOCATED AT THE INTERSECTION OF HEMLOCK POINT ROAD AND MUSIC STREET
DESCRIPTION OF WORK
The Asphalt Resurfacing of Hemlock Point Road, TR 155
Russell Township, Geauga County

Section 1 General

The Construction and Material Specifications dated 2013 published by the Ohio Department of Transportation (ODOT) and the Modifications to the Ohio Department of Transportation's 2013 Construction and Material Specifications and Supplemental Specifications for Geauga County dated 2014 shall govern this project except where otherwise noted in this Specification Booklet. The Standard Contract Provisions for Contracts Prepared by the Geauga County Engineer's Office dated 2014 shall govern the contractual agreement for this project.

These Documents are available on the Geauga County Engineer's Web Site. Go to http://www.co.geauga.oh.us/Departments/Engineer/OnlinePlans.aspx for viewing or they may be picked up at the Engineer's office. The requirements of Section 4115 of the Ohio Revised Code with regards to prevailing wages shall be followed for this project.

The project shall include the pavement planing and asphalt resurfacing of the entire length of Hemlock Point Road (TR155), from Music Street (TR 146) to Kinsman Road (SR 87). The project limits are generally shown on the location map. The work shall include the improvement of approximately 1.30 miles of roadway. Station 0+00 is located at the center of the intersection with Music Street.

Section 2 Inspection and Notification

A pre-construction conference will be scheduled by the Engineer with the Contractor prior to the start of construction. The Contractor shall submit a detailed Schedule of Operations for approval prior to the pre-construction meeting. The Contractor shall notify the Engineer at least seven (7) days in advance of the beginning of construction, so the Engineer may schedule the inspection.

The Contractor shall notify the local fire department, police and other appropriate agencies that may require the use of the road during emergency situations of the anticipated road work. If any area becomes inaccessible at any time, the Contractor shall immediately notify the agencies of these locations. The Contractor shall schedule his work and coordinate with the local schools as listed below to accommodate the pick-up and delivery of school students if applicable.

PHONE NUMBERS FOR LOCAL OFFICIALS:
Geauga County Sheriff (440) 279-2050
State Highway Patrol (440) 564-5477
Novelty Post Office (440) 338-3746
West Geauga School Dist. (440) 729-5900
Metzenbaum Center (440) 729-9406
Russell Township Road Department (440) 338-5309
The Contractor shall notify all utility companies with facilities within the project area at least two days prior to commencing construction at each location. The utilities listed below may have facilities within the project areas.

**UTILITY OWNERS AND CONTACT PERSONNEL**

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<th>Utility</th>
<th>Contact Person</th>
<th>Phone</th>
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<td>Dominion East Ohio Gas</td>
<td><a href="mailto:relocation@dom.com">relocation@dom.com</a></td>
<td>(330) 664-2409</td>
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<td>The Illuminating Co.</td>
<td>Mark Robinson</td>
<td>(440) 717-6845</td>
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<td>James Janis</td>
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<tr>
<td>Time Warner Cable</td>
<td>Larry Bock</td>
<td>(216) 575-8016</td>
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<td>Northeastern ITS</td>
<td>John Bruce</td>
<td>(769) 216-8095</td>
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<tr>
<td>Bakerwell, Inc.</td>
<td>Rex Baker</td>
<td>(330) 276-2161</td>
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**Section 3 Maintaining Traffic**

**ODOT Item 614 – Maintaining Traffic**

Traffic shall be maintained for the duration of the project. The Contractor shall furnish at least two (2) employees to serve as traffic control flaggers and the work zone shall follow the specifications set forth in ODOT SCD MT-97.11. The Contractor shall use three (3) flaggers when working at the intersections in order to properly maintain traffic. The approximate ADT for this section of Hemlock Point Road is 1400 vehicles per day.

All traffic control devices shall be placed at the direction of the Engineer. The sign quantities in brackets are the minimum number of signs to be installed. Additional signs may be required and installed as directed by the Engineer. "ROAD UNDER CONSTRUCTION" signs [two (2)] shall be placed on Hemlock Point Road at the project beginning and end locations. The Contractor shall install orange "NO EDGE LINES" signs [six (6)] on Hemlock Point Road at each end of the project area and every one-half mile in each direction along the project as directed by the Engineer. The Contractor shall also install white "DO NOT PASS" signs [six (6)] at these locations until the application of the final pavement markings. These signs shall remain in place until the completion of the shoulder work. The Contractor shall furnish and maintain "BUMP" signs [twelve (12)] at the butt joints at the beginning and end of the project, and the butt joints at Larkspur Lane (TR 154), Chagrin Mills Road (TR 234), Laurel Lane (TR 514), and Skyline Lane (TR 233) for each direction of travel until the final asphalt overlay course is placed.

Prior to the planing operation, the Contractor shall furnish and maintain orange "GROOVED PAVEMENT AHEAD" signs [six (6)] at the beginning and end of the project and on all intersecting side roads until the placement of the intermediate course.

All work and traffic control devices shall be in accordance with ODOT Item 614 and other applicable portions of the specifications, as well as the Ohio Manual of Uniform Traffic Control Devices. Payment for all labor, equipment and materials shall be included in the Lump Sum contract price for ODOT Item 614, Maintaining Traffic, unless separately itemized in the plan.
**Section 4 Construction**

**ODOT Item 614 – Work Zone Center Line, Class II, As Per Plan [3.90 Miles]**

The Contractor shall furnish and install temporary retro-reflective centerline pavement markings on the milled roadway following the partial depth pavement planing, the application of the intermediate asphalt course, and the application of the asphalt surface course. The temporary retro-reflective centerline pavement markings shall be Type 1 paint following the partial depth pavement planing.

**ODOT Item 254 Partial Depth Pavement Planing, Asphalt Concrete, As Per Plan [16300 S.Y.]**

The existing asphalt pavement shall be removed at an average depth of two inches (2") for the entire length and width of pavement. Care shall be taken to not damage any residential driveways during the planing process. Temporary ramps at driveways shall be placed as directed in order to maintain access to the roadway. The Contractor shall cut slots at all elevation low points for drainage.

The Contractor shall also grind up to ten feet (10') into each side road for the entire width and any areas where driveway aprons will be higher than the finished road surface as marked by the Engineer. This work shall include the required butt joints for the side roads. Butt joints, per ODOT SCD BP-3.1, will be required at the following locations, as marked by the Engineer:

- Larkspur Lane at the intersection with Hemlock Point Road (50 S.Y.)
- Chagrin Mills Road at the intersection with Hemlock Point Road (50 S.Y.)
- Laurel Lane at the intersection with Hemlock Point Road (30 S.Y.)
- Skyline Lane at the intersection with Hemlock Point Road (50 S.Y.)

**ODOT Item 253 - Pavement Repair, As Per Plan [200.0 C.Y.]**

This item shall include all labor, equipment and material necessary to remove and replace the existing asphalt pavement and base, as marked by the Engineer prior to and following the planing operation. The asphalt pavement and base in the repair areas shall be removed by the grinding or saw cut methods without displacing or damaging the remaining pavement. The excavated trench shall be compacted utilizing approved compaction equipment. All vertical joints adjoining the existing pavement shall be cleaned and thoroughly coated with an approved liquid asphalt material. The Contractor shall use ODOT Item 301 Asphalt Concrete Base, PG64-22 to replace the excavated material. The cost of the ODOT Item 301 material is to be included, in the Bidder's unit price bid for this item.

The anticipated depth of pavement to be removed and replaced is six inches (6"). Any additional excavations shall be made to a depth as directed by the Engineer. Payment for Pavement Repair shall be by the cubic yard of asphalt base material placed. These areas are listed in the Full Depth Repair table on the next page and any additional repairs will be clearly marked by the Engineer prior to and following the planing operation.
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Total Repairs 191.89
Use 200
ODOT Item 407 – Tack Coat, As Per Plan [2200 Gallons]

Tack coat shall be applied to the existing milled surface prior to the placement of the intermediate course. The Engineer may adjust the application rate of 0.09 gallons per square yard. An additional quantity of tack coat to be placed on the intermediate course of asphalt prior to the placement of the surface course is included in the total quantity for this item. This quantity has been calculated at the application rate of 0.04 gallons per square yard and shall only be used at direction of the Engineer.

ODOT Item 448 – Asphalt Concrete, Intermediate Course, Type 2, PG64-22, As Per Plan [975.0 C.Y.]

The intermediate course shall be placed at an average compacted depth of two inches (2") at a width varying from twenty feet (20’) to twenty-four feet (24’). Mailbox approaches will be paved during this operation at the direction of the Engineer.

A contingent quantity of fifty cubic yards (50 C.Y.) has been added to the project to be used for any necessary profile adjustments on Hemlock Point Road. This additional material shall only be used as directed by the Engineer.

Three (3) rollers shall be used to compact this intermediate course in order to achieve proper compaction and finish. A vibratory roller shall serve as the breakdown roller with vibration used in only one direction of travel. A pneumatic-tire roller shall be the second roller, and a tandem roller shall be used as the finish roller.

ODOT Item 448 – Asphalt Concrete, Surface Course, Type 1, PG64-22 (Driveways) [50.0 C.Y.]

This Item has been included as a contingent quantity for use at driveways and side roads and shall only be performed as directed by the Engineer. The Contractor shall place up to a six feet (6’) long apron at driveways and up to a ten feet (10’) long apron at side roads, as directed by the Engineer. The paving of driveways and side road aprons shall be a separate operation from the mainline paving. The lengths of aprons are subject to change at the direction of the Engineer. Driveway aprons shall be placed after the placement of the intermediate course and before the placement of the surface course. An additional roller, a 2-4 ton smooth drum, shall be provided and used to properly compact driveway wings and provide a smooth transition from the new road surface to the existing driveway.
ODOT Item 424 – Fine Graded Polymer Asphalt Concrete, Surface Course, Type B, SBS PG76-22M, As Per Plan [475.0 C.Y.]
The Contractor shall place a surface course consisting of an average compacted depth of one inch (1") at a width varying from twenty feet (20') to twenty-four feet (24'). Mailbox approaches will be paved with this course at the direction of the Engineer. This operation shall not take place on the same day as the placement of the intermediate course.

The Contractor shall use four (4) rollers to compact the surface course including two (2) vibratory rollers, one (1) tandem roller, and one (1) small tandem roller. The vibratory rollers shall be used to breakdown and compact the course with vibration used in only one direction of travel. The tandem roller shall be used as the finish roller. The small tandem roller shall be used to compact areas where the large tandem roller cannot reach, including mailbox approaches and driveway transitions.

ODOT Item 617 – Compacted Aggregate (RACP), As Per Plan [100.0 C.Y.]
Upon the completion of the paving, the Contractor shall place the shoulder material. This operation shall not take place on the same day as the placement of the surface course. The stabilized shoulder back up material shall have an average depth of one inch (1") and an average width of two feet (2'). The shoulder material shall be comprised of recycled asphalt concrete pavement approved by the Engineer. The Contractor shall use a compaction method approved by the Engineer.

The Contractor shall extend shoulder material into and along driveway approaches to serve as a shoulder to the drive apron. The driveway backup shall extend to the end of new drive apron, or as directed by the Engineer. For existing gravel driveways, this item shall also serve as the transition from the new apron to the existing gravel drive.

ODOT Item 642 – Center Line, Type 1, As Per Plan [1.30 Miles]
ODOT Item 642 – Edge Line, Type 1 [2.60 Miles]
ODOT Item 644 – Stop Line, As Per Plan [20.0 Feet]
The Contractor shall apply permanent paint pavement markings to the new asphalt surface. One (1) stop bar, per ODOT SCD TC71.10, shall be placed on Hemlock Point Road at the intersection with Kinsman Road. The Engineer will mark the exact location.

The Contractor shall place the centerline pavement markings as shown on the centerline logs provided within these specifications. The lanes shall be striped at a width of ten feet (10').
Section 5 Quantity Breakdown

Hemlock Point Road, TR 155

Length------------------------ 1.30 Miles
Pavement Width----------- 20-24 Feet
No. of Drives---------------- 48 Each

Shoulder Width -------------- 2 Foot
Drive Apron Length ------- 2-6 Feet

ITEM 103 Contract Performance Bond and Premium
ITEM 253 Pavement Repair, As Per Plan
ITEM 254 Partial Depth Pavement Planing, Asphalt Concrete, As Per Plan
ITEM 407 Tack Coat, As Per Plan
ITEM 424 Fine Graded Polymer Asphalt Concrete, Surface Course, Type B, SBS PG76-22M, As Per Plan
ITEM 448 Asphalt Concrete, Intermediate Course, Type 2, PG64-22, As Per Plan
ITEM 448 Asphalt Concrete, Surface Course, Type 1, PG64-22 (Driveways)
ITEM 614 Maintaining Traffic
ITEM 614 Work Zone Center Line, Class II, As Per Plan
ITEM 617 Compacted Aggregate (RACP), As Per Plan
ITEM 624 Mobilization
ITEM 642 Center Line, Type 1, As Per Plan
ITEM 642 Edge Line, Type 1
ITEM 644 Stop Line, As Per Plan

1 Lump
200.0 Cubic Yards
16300.0 Square Yards
2200 Gallons
475.0 Cubic Yards
975.0 Cubic Yards
50.0 Cubic Yards
1 Lump
3.90 Mile
100.0 Cubic Yards
1 Lump
1.30 Mile
2.60 Mile
20.0 Feet
FROM: MUSIC RD RT  
TO: SR 87  

SECTION BEGINS: TRULOG 0.000  
SECTION ENDS: TRULOG 1.320  
SECTION LENGTH: 1.320 MILES  
DIRECTION: N  
SECTION EQUIVALENT LENGTH OF SOLID LINE: 2.624  

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SHEET TOTAL EQUIVALENT LENGTH OF SOLID LINE: 1.995 MILES
COUNTY : GEA
ROUTE : 155C

FROM: MUSIC RD RT
TO: SR 87

SECTION BEGINS: TRULOG 0.000
SECTION ENDS: TRULOG 1.320
SECTION LENGTH: 1.320 MILES
DIRECTION: N
SECTION EQUIVALENT LENGTH OF SOLID LINE: 2.624

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Sheet total equivalent length of solid line: 0.630 MILES
- Mill 2" for the entire length of the project
- Place 2" of 448 Intermediate Course, Type 2
- Place 1" of 424 Surface Course, Type B
- Place 2' RACP shoulder material

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**TOTAL** $365,000.00