

**RUSSELL TOWNSHIP
GEAUGA COUNTY, OHIO**

Bid Specifications

RS-RUS-18

The Asphalt Resurfacing of Various Roads in Russell Township

Including:

Hillbrook Lane North – TR-0483
Ledgebrook Lane – TR-0806

Bids Received Until – May 25, 2018
11:00 A.M.

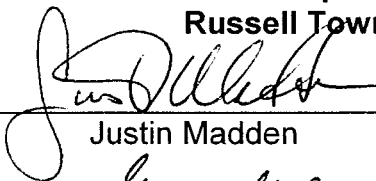
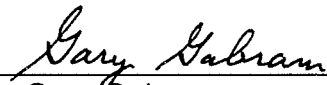
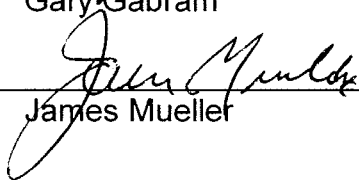
Bid Opening – May 25, 2018
11:05 A.M.

Russell Township Administration Building
c/o Karen Walder
8501 Kinsman Road
Novelty, Ohio 44072



Shane E. Hajjar
Prepared under the supervision of
Shane E. Hajjar, P.E. P.E. 66714
Geauga County Design Engineer 4/30/18

**Plans/Specifications Approved by
Russell Township Board of Trustees**

 Justin Madden	Date <u>5/2/2018</u>
 Gary Gabram	Date <u>5/2/2018</u>
 James Mueller	Date <u>5/2/2018</u>

LEGAL NOTICE
Russell Township

Notice is hereby given that sealed bids will be received by the Russell Township Board of Trustees, c/o Karen Walder, Fiscal Officer, 8501 Kinsman Road Novelty, Ohio 44072 until **11:00 A.M.** official local time on **Friday, May 25, 2018**. Bids received will be publicly opened and read aloud at **11:05 A.M.** the same day at the Russell Township Administration Building for **The Asphalt Resurfacing of Various Roads in Russell Township**. The Engineer's estimate for this project is **\$110,000.00**.

Copies of the surveys, plans, profiles, cross sections and specifications are on file with the Board of Trustees and 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, 12665 Merritt Road, Chardon, OH 44024.

A copy of this legal notice is posted on the county's internet site on the World Wide Web. Go to <http://www.co.geauga.oh.us/Bids.aspx> and click on the project name to view this legal.

A bid guaranty in the amount of one hundred (100%) percent 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 (10%) percent of the total bid amount shall accompany each bid. The bid shall be let upon a unit price basis.

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

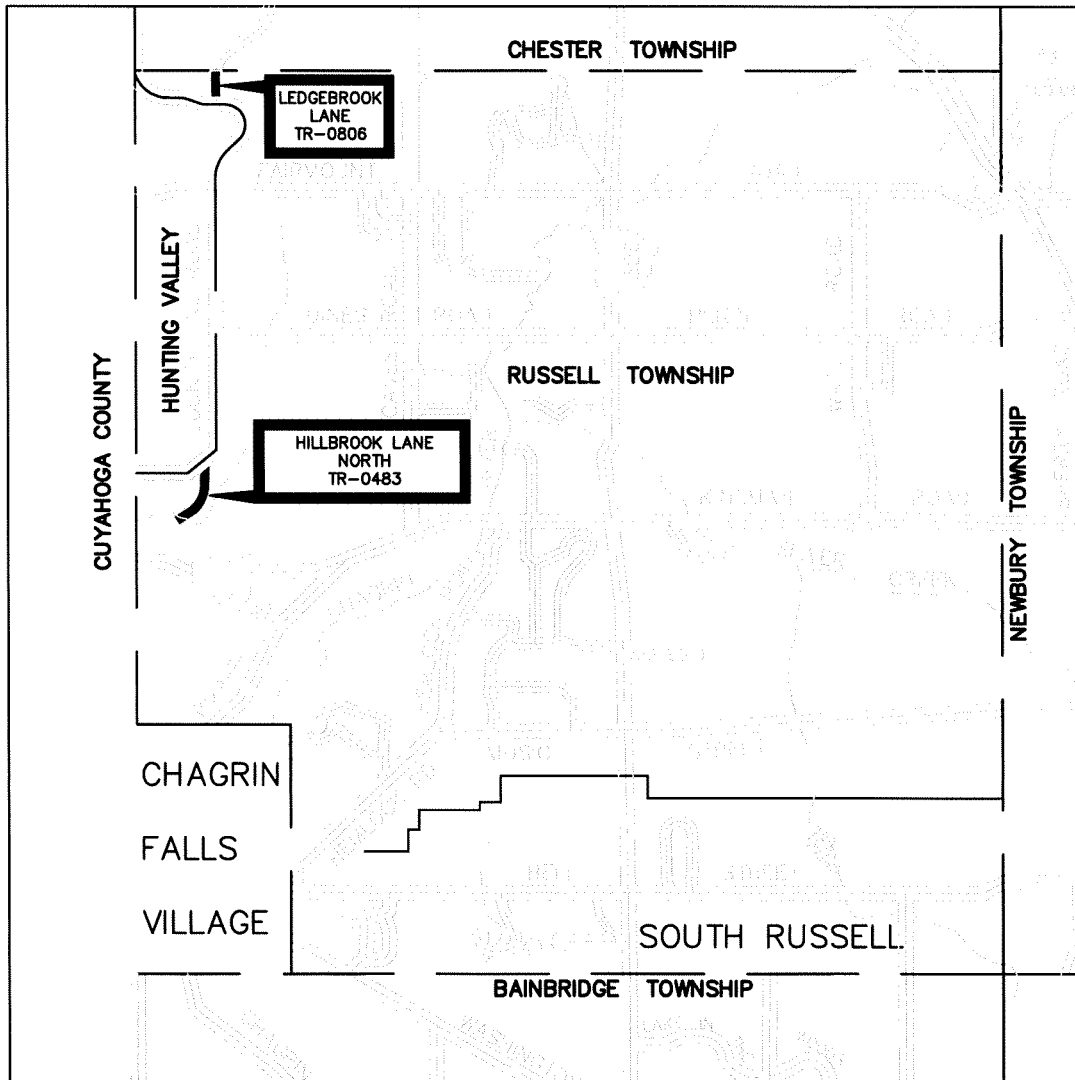
Karen Walder, Fiscal Officer

Publish: May 10, 2018

LOCATION MAP

RS-RUS-18

THE ASPHALT RESURFACING OF
TR-0483 HILLBROOK LANE NORTH SECTION A
TR-0806 LEDGEBROOK LANE SECTION A
RUSSELL TOWNSHIP



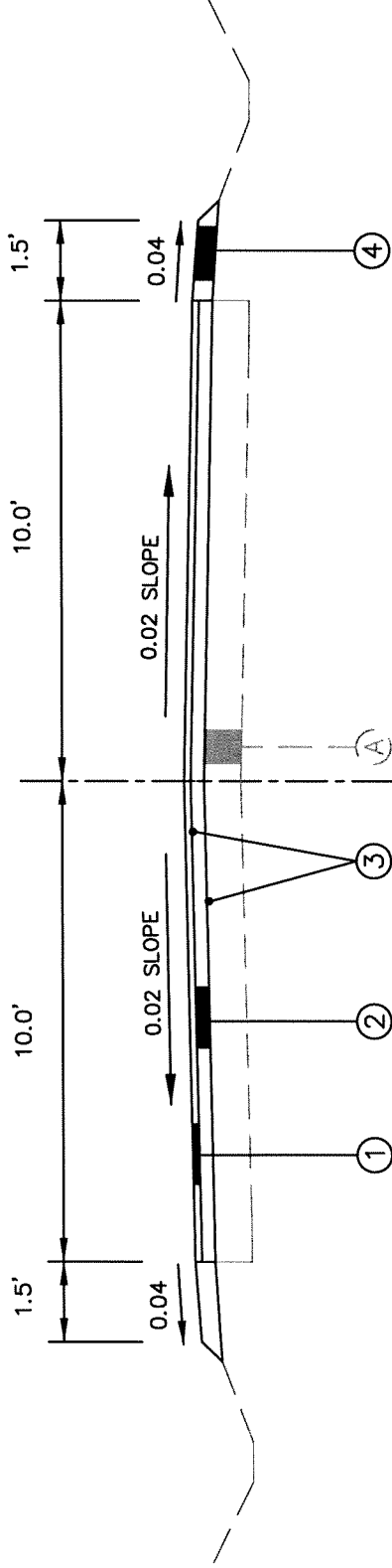
TYPICAL SECTION

RS-RUS-18

THE ASPHALT RESURFACING OF VARIOUS ROADS IN RUSSELL TOWNSHIP

RUSSELL TOWNSHIP, GEauga COUNTY

LEDGEBROOK LANE, TR-0806



LEGEND

- ① ITEM 441 - 1.25" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (448) PG64-22
- ② ITEM 441 - 2.0" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (448) PG64-22
- ③ ITEM 407 - TACK COAT
- ④ ITEM 617 - 3.25" COMPACTED AGGREGATE, (RACP)
- Ⓐ EXISTING ASPHALT PAVEMENT

* 0+00 IS LOCATED AT THE CENTER LINE OF COUNTY LINE ROAD

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 24 hours 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. 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 local schools as listed below to accommodate the pick-up and delivery of school students if applicable.

LOCAL AGENCY CONTACT NUMBERS:

Geauga County Sheriff	(440) 279-2009
State Highway Patrol (Chardon Post)	(440) 286-6612
Geauga Transit	(440) 279-2150
Geauga Metzenbaum	(440) 729-9406
Geauga County Water Resources Department	(440) 279-1970
United States Postal Service (Novelty)	(440) 338-3746
West Geauga School District	(440) 729-5900
Russell Township Road Department	(440) 338-5309
Russell Township Fire Department	(440) 338-6212
Chester Township Road Department	(440) 729-9110
Chester Township Fire Department	(440) 729-9951

UTILITY OWNERS AND CONTACT PERSONNEL:

The Contractor shall notify all utility companies with facilities within the project area at least two (2) days prior to commencing construction at each location. The Contractor shall be required to contact the Ohio Utilities Protection Service (OUPS) at (800) 362-2764 and Ohio Oil and Gas Producers Underground Producers Service (OGPUPS) at (800) 925-0988, a minimum of two (2) working days prior to commencing any work. The utilities listed below may have facilities within the project limits.

Orwell Natural Gas	Jeff Heidnik	(440) 413-9809
Dominion East Ohio Gas	Bryan Dayton	(330) 664-2409
The Illuminating Co.	Tim Denzler	(440) 953-7650
Windstream	Jon Hobby	(440) 285-5474
Suddenlink	Jerry Walsh	(330) 207-0894
AT&T	James Janis	(216) 476-6142
Enervest Gas Pipelines	Kenneth Kreager	(330) 877-6747
Summit Petroleum	Linda Mahne	(330) 487-5494
Dry Hole	Eric Lindberg	(330) 720-8185

Section 4 Construction

◆ ◆ ◆ Hillbrook Lane North – TR-0483 [0.25 Mile] ◆ ◆ ◆

Sequence of Construction:

1. Pre-Construction Meeting
2. Maintenance of Traffic Posted / Mobilization
3. 253 Pavement Repairs
4. 441 Type 2 Asphalt Intermediate Course
5. 441 Driveway Aprons
6. 441 Type 1 Asphalt Surface Course
7. 617 RACP Berm
8. Incidentals (Misc.)
9. Finalize and De-mobilization

Unless Approved by the Engineer, the Contractor shall plan and prosecute the work in accordance with the above Sequence of Construction.

ODOT Item 202 - Wearing Course Removed

Butt joints, per ODOT Standard Drawing BP-3.1, shall be required at the following locations, as marked by the Engineer:

- Hillbrook Lane North at County Line Road (100.0 SY)

ODOT Item 253 - Pavement Repair, Full Depth, As Per Plan

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. 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 faces 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 material is to be included in the 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. A table of areas to be repaired has been provided to the Contractor and will be clearly marked by the Engineer in the field.

**ODOT Item 441 - Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22
(Driveways)**

The Contractor shall place driveway and intersection aprons at a depth of one and one-half inches (1.5"), at the locations marked by the Engineer. The paving of the driveways shall be a separate operation from the mainline paving. The lengths of aprons are subject to change at the direction of the Engineer. This operation shall be completed after the placement of the intermediate course and before the placement of the surface course. The aprons shall be feathered to meet existing drive grades. All asphalt drives and intersecting roads shall be swept thoroughly and then tacked with ODOT Item 407 Tack Coat prior to paving the aprons. The Contractor shall use a compaction method approved by the Engineer.

ODOT Item 617 - Compacted Aggregate (RACP)

The Contractor shall place the stabilized shoulder back up material at an average width of one foot (1') along the entire length of the roadway. The material shall be placed at an average depth as shown on the typical sections, following the placement of the surface course. The Contractor shall use a compaction method approved by the Engineer. The material placement shall not take place within a twenty-four hour (24hr) period of time, after the completed placement of the surface course.

ODOT Item 644 - Stop Line

One (1) stop bar, per ODOT SCD TC-71.10, shall be placed as listed at the locations below. The Engineer will mark the exact location.

- County Line Road (15.0 Feet)

#	Beginning Station	Ending Station	Lane	Width (Feet)	Depth (Inches)	Volume (CY)
Ledgebrook Lane						
	0+00		Center Line of County Line Road			
	0+12		Butt Joint at County Line Road			
1	0+70	1+10	Right	4	6	2.96
2	0+90	1+10	Left	4	6	1.48
	9+35	9+55	Butt Joint at Chester Twp. Line			
					Sub Total	4.44

USE 10.0 CY

ODOT Item 407 - Tack Coat

Tack coat shall be applied to the existing pavement prior to the placement of the base 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 441 - Asphalt Concrete, Intermediate Course, Type 2, (448) PG64-22

The Contractor shall place an intermediate course as shown on the typical sections. The Contractor shall use two (2) rollers to compact the intermediate course. A vibratory roller shall serve as the breakdown roller and compact the course with vibration used in only one direction of travel and a pneumatic roller shall be the second roller. The vibratory roller shall also serve as the finish roller without vibration.

ODOT Item 441 - Asphalt Concrete, Surface Course, Type 1, (448) PG64-22

The Contractor shall place a surface course as shown on the typical sections. The Contractor shall use three (3) rollers to compact the surface course including one vibratory roller and two tandem rollers. The vibratory roller shall be used to breakdown and compact the course with vibration used in only one direction of travel. The two (2) tandem rollers shall be used as the finish rollers.

ODOT Item 441 - Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22 (Driveways)

The Contractor shall place driveway and intersection aprons at a depth of one and one-half inches (1.5"), at the locations marked by the Engineer. The paving of the driveways shall be a separate operation from the mainline paving. The lengths of aprons are subject to change at the direction of the Engineer. This operation shall be completed after the placement of the intermediate course and before the placement of the surface course. The aprons shall be feathered to meet existing drive grades. All asphalt drives and intersecting roads shall be swept thoroughly and then tacked with ODOT Item 407 Tack Coat prior to paving the aprons. The Contractor shall use a compaction method approved by the Engineer.

Section 5 Quantity Breakdown

ITEM 103	Contract Performance Bond and Premium	1 LUMP
ITEM 614	Maintaining Traffic	1 LUMP
ITEM 624	Mobilization	1 LUMP

Hillbrook Lane North (TR-0483)

Total Length	0.25 MILE	Shoulder Width	1.0 FEET
Pavement Width	12-16 FEET	# of Drives	9

ITEM 202	Wearing Course Removed	100.0 SY
ITEM 253	Pavement Repair, Full Depth, As Per Plan	80.0 CY
ITEM 407	Tack Coat	300 GAL
ITEM 441	Asphalt Concrete, Intermediate Course, Type 2, (448) PG 64-22	130.0 CY
ITEM 441	Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22	80.0 CY
ITEM 441	Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22 (Driveways)	10.0 CY
ITEM 617	Compacted Aggregate (RACP)	30.0 CY
ITEM 644	Stop Line	15.0 FEET

Ledgebrook Lane (TR-0806)

Total Length	0.18 MILE	Shoulder Width	1.5 FEET
Pavement Width	20 FEET	# of Drives	3

ITEM 202	Wearing Course Removed	150.0 SY
ITEM 253	Pavement Repair, Full Depth, As Per Plan	10.0 CY
ITEM 407	Tack Coat	300 GAL
ITEM 441	Asphalt Concrete, Intermediate Course, Type 2, (448) PG 64-22	140.0 CY
ITEM 441	Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22	90.0 CY
ITEM 441	Asphalt Concrete, Surface Course, Type 1, (448) PG 64-22(Driveways)	10.0 CY
ITEM 617	Compacted Aggregate (RACP)	40.0 CY
ITEM 644	Stop Line	15.0 FEET

**Office of the Geauga County Engineer
ESTIMATE OF COST
Gauga County
RS-AUB-18**

4/17/2018

Scope of Work:

- Hillbrook Lane North (TR-0483), and Ledgebrook Lane (TR-0806)
- Perform Pavement Repairs
- Place 2" of 441 Type 2 Intermediate Course on Hillbrook Lane North, Ledgebrook Lane
- Place 1.25" of 441 Surface Course
- Place 1.0' RACP Shoulder Material on Hillbrook Lane North
- Place 1.5' RACP Shoulder Material on Ledgebrook Lane

Hillbrook Lane North

length -	0.25 MILE	# of drives -	8 TOTAL
width -	12-16 FEET	shoulder width -	1 FOOT

Ledgebrook Lane

length -	0.18 MILE	# of drives -	3 TOTAL
width -	20 FEET	shoulder width -	1.5 FEET

<i>Item</i>	<i>Description</i>	<i>Quantity</i>	<i>Unit Price</i>	<i>Total Price</i>
103	Contract Performance Bond and Premium	1 LUMP	\$ 1,500.00	\$ 1,500.00
202	Monument Box Removed	5 EACH	\$ 150.00	\$ 750.00
202	Wearing Course Removed	250.0 SY	\$ 10.00	\$ 2,500.00
253	Pavement Repair, Full Depth, As Per Plan	90.0 CY	\$ 220.00	\$ 19,800.00
407	Tack Coat	600 GAL	\$ 2.50	\$ 1,500.00
441	Asphalt Concrete Intermediate Course, Type 2, (448) PG62-22	270.0 CY	\$ 130.00	\$ 35,100.00
441	Asphalt Concrete Surface Course, Type 1, (448) PG64-22	170.0 CY	\$ 150.00	\$ 25,500.00
441	Asphalt Concrete Surface Course, Type 1, (448) PG64-22 (Driveways)	20.0 CY	\$ 200.00	\$ 4,000.00
614	Maintaining Traffic	1 LUMP	\$ 7,850.00	\$ 7,850.00
617	Compacted Aggregate (RACP)	70.0 CY	\$ 40.00	\$ 2,800.00
624	Mobilization	1 LUMP	\$ 7,500.00	\$ 7,500.00
644	Stop Line	30.0 FEET	\$ 40.00	\$ 1,200.00
			TOTAL	\$ 110,000.00