

HURON COUNTY ENGINEER'S OFFICE

2019 ENGINEER'S ANNUAL REPORT

The Ohio Revised Code requires each Ohio County Engineer to publish an annual report to the County Commissioners outlining the general condition of the roads and bridges in their county. The report also informs the citizens of Huron County how their gas and license plates fees are being used to maintain and improve the infrastructure throughout the county.

Our office is responsible for 226 miles of county roads, 406 bridges and 3,485 culverts covering an area of 497 square miles with a staff of 30 hardworking team members.

In July of 2019, led by Governor Mike DeWine, the members of the Ohio General Assembly increased Ohio's gas tax for the first time since 2006. This was a much needed boost for our budget and will allow us to expand our paving and bridge programs beginning in 2020. Not only did this increase our budget by nearly \$1.5 million, but it will also provide additional funding to Townships, Villages, Cities and the Ohio Department of Transportation for improvements throughout the entire state.

This additional funding will be of great help to this office, but being able to fund the endless list of projects and maintenance items continues to be our biggest challenge. In order to maximize funds, we actively seek state and federal funding to leverage local dollars to fund projects. This can range from 20 percent up to 30 percent of our construction budget. We have secured nearly \$10 million in federal funding for upcoming projects throughout the county with grant amounts ranging 80-95 percent of the total project cost. The first of these federal funded projects are scheduled to begin in the spring of 2020.

Our office also looks to collaborate with other agencies to stretch local dollars further. We have teamed with the City of Norwalk on several projects over the past three years, with the latest being the resurfacing of Cleveland Road from Old State Road to just west of the US 20 overpass. This was a much needed improvement that would not have been possible without working together. This year we are looking forward to teaming with the Village of Monroeville to resurface Milan/River Road and the Village of North Fairfield to resurface New State Road through the village. Another great program our office participates in is the Huron County Township's Association Annual Chip and Seal Program. This program allows the entire county to team together to chip and seal nearly 100 miles of roadway, allowing everyone to take advantage of a cost savings.

We are looking forward to a busy 2020 construction season with over \$3.5 million in paving projects and \$2.5 million in bridge projects planned. The map included at the end of the report shows these projects.

Please feel free to contact me with any questions regarding our office. I appreciate the opportunity to serve the residents of Huron County.

Lee E. Tansey



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Huron County Engineer*

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Monday thru Friday

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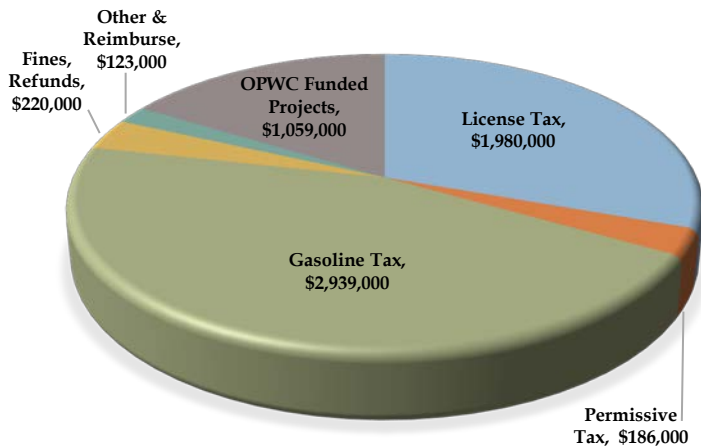
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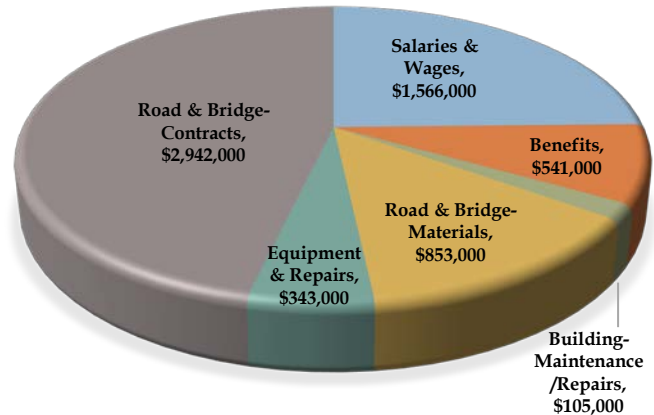
REVENUE

\$6,507,000



EXPENSE

\$6,350,000



WHERE OUR REVENUE COMES FROM

Gas Excise Tax

Federal Tax: \$0.184 gasoline and \$0.244 diesel per gallon (unchanged since 1993)
 State Tax: \$0.385 gasoline and \$0.47 diesel per gallon (new rates effective July 2019)
 We receive approx. \$3,800,000 from the state gas and diesel tax

Motor Vehicle Registration Fees

The Ohio Revised Code 4501.04 requires collection and distribution of license plates for highway maintenance. For a passenger car, the basic annual fee is \$34.50.

The Huron County Engineer's Office receives approximately \$1,900,000.

WHAT TYPICAL PROJECTS COST

Roadway Items

Partial-depth asphalt resurfacing **\$180,000-\$200,000** per mile

- Remove 2 inches of existing pavement, place 3 inches of new asphalt

Asphalt overlay 1 inch thick **\$80,000** per mile

- Usually requires minor asphalt repairs +/- \$5,000 per mile

Chip and seal **\$15,000** per mile

- Crack sealing and pavement repairs prior **\$4,000-\$8,000** per mile

Pavement markings: edge line and center line **\$1,000** per mile

Complete roadway reconstruction **\$400,000** per mile

Structures

Bridges and culverts less than 20 feet in span: **\$50,000 - \$300,000**
 Bridges over 20 feet in span: **\$300,000 - \$1,000,000**

BRIDGE PROJECTS

Butler Road Bridge Replacement

This bridge is located in Wakeman Township and was constructed by Great Lakes Demolition. Project included the replacement of a bridge with 12 Ft. X 8 Ft. precast reinforced concrete boxes. Total construction cost was \$285,000, with \$177,000 of that being a grant from Ohio Public Works Commission.



New State & Scranton Road Bridge Decks

These bridges are located in Fairfield and Hartland Townships and were constructed by Huron County Forces. Projects included deck replacements with 22 Ft. X 28 Ft. - concrete beams using the existing abutments. Total construction cost was \$35,200 for New State Road and \$44,000 for Scranton Road.



Peru Olena Road Bridge

In just 57 days our crews were able to complete the new culvert on Peru Olena Road that was washed out in the massive storm on June 20, 2019! We appreciate everyone's patience and a big thanks to our crews. Total construction cost \$83,000



Various Bridge Repairs

In addition to replacement of bridges, county crews perform various repairs to extend the service life.



Wood Deck Replacement



Structural Steel Repairs



Rock Channel Protection



Waterproofing Bridge Decks

ROAD RESURFACING

New State and Peru Olena Roads Resurfacing

The project included 4.5 miles of improvements on New State Road from Hasbrock Road to Peru Olena Road and Peru Olena Road from Ridge Road to New State Road. The work was performed by Erie Blacktop, Inc. The total project cost was \$386,400, with \$240,000 of that being a grant from Ohio Public Works Commission (OPWC).



Cleveland Road Resurfacing

The project was a joint venture with the City of Norwalk. Which included 1.0 mile of improvements from Old State Road to the US 20 Bypass. The work was performed by Kokosing Construction Company. The total project cost was \$284,300, with \$150,000 of that being a grant from OPWC.



Ridge, New State and Hasbrock Roads Resurfacing

The project included 3.5 miles of improvements beginning at Shady Lane Drive and Norwood Avenue continuing south down Ridge Road, including Hasbrock Road to State Route 61. The portion of Norwood Avenue was a partnership with the City of Norwalk. The work was performed by Kokosing Construction Company. The total project cost was \$700,000, with \$492,000 of that being a grant from OPWC.



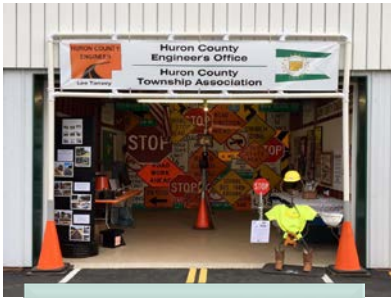
Zenobia Road Resurfacing

The project included 3.0 miles of a cold asphalt mix from Fitchville River Road to Chenango Road with the work being performed by Melway Paving. The total project cost was \$301,400 and was made possible by additional revenue seen from the increase in state gas tax from 2019.



Community Involvement

Throughout the year the County Engineer's Office had opportunities to be involved in the local community.



Huron County Fair Booth



4th of July Parade



Elementary Touch a Truck

Safety Improvements

Throughout the year our crews perform several tasks to improve safety for the traveling public.



**Fitchville River Road
Shoulder Widening**



**Ridge Road Guardrail
Improvements**



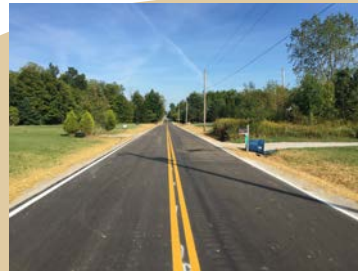
**Greenwich Milan
Townline Road and SR 601
Safety Improvements in
cooperation with ODOT**

Township Projects

Our Office is responsible for providing engineering services for all 19 Townships.



**Wakeman Township
West River Road**



**Clarksfield Township
Ferry Road**



**Ridgefield Township
Peru Center Road**



**Hartland Township
Derussey Road**

Chip and Seal Program 37 miles



Maintenance Items



Storm Sewer Improvement



Crack Sealing



Snow & Ice Control



Tree Trimming

Other Activities



NASA Orion Transport utilizing
Greenwich Milan Townline Road



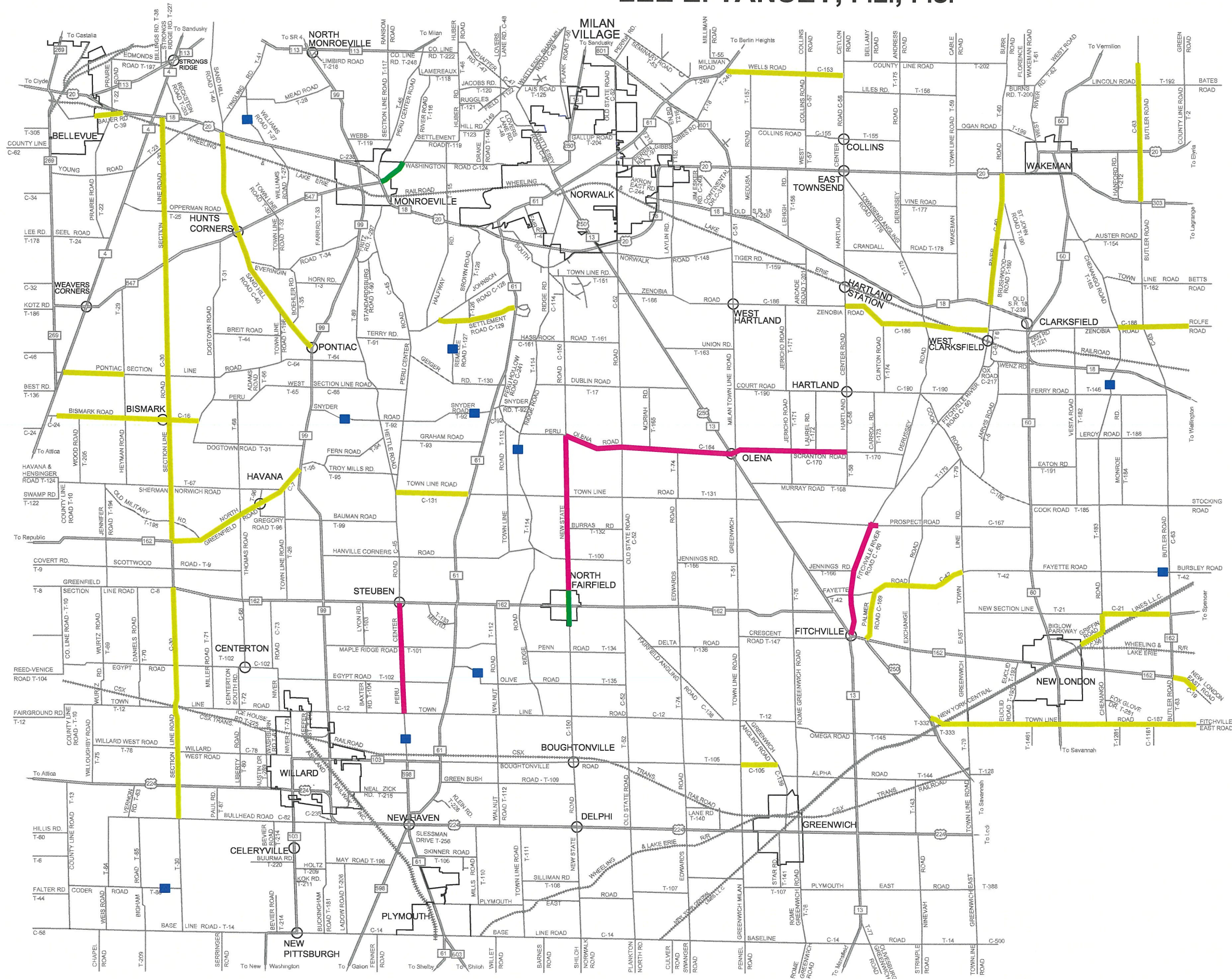
Bridge Inspection



Various training courses
Provided to all local agencies

LEE E. TANSEY, P.E., P.S.

VANSON RD
 To Milan
 HUBER RD
 MILAN VILLAGE
 MILAN RD
 To Berlin Heights
 LINCOLN RD
 LINS RD
 LON RD
 ARMY RD
 LESS RD
 LE



- CHIP AND SEAL - 53 MILES**
CONSTRUCTION COSTS - \$900,000
(FUNDING 100% LOCAL)
- FITCHVILLE RIVER ROAD RESURFACING & PROPOSECT ROAD INTERSECTION**
3.0 MILES, CONSTRUCTION COSTS - \$1,100,000
(FUNDING - 80% FEDERAL, 20% LOCAL)
- PERU OLENA AND SCARATON ROAD RESURFACING**
6.5 MILES, CONSTRUCTION COSTS - \$820,000
(FUNDING - 74% OPWC, 26% LOCAL)
- PERU CENTER ROAD RESURFACING**
2.5 MILES, CONSTRUCTION COSTS - \$315,000
(FUNDING - 74% OPWC, 26% LOCAL)
- NEW STATE ROAD RESURFACING**
3.5 MILES, CONSTRUCTION COSTS - \$400,000
(FUNDING - 100% LOCAL)

- CHENANGO ROAD BRIDGE REPLACEMENT**
SOUTH OF SR 18, CONSTRUCTION COSTS - \$950,000
(FUNDING - 95% FEDERAL, 5% LOCAL)
- RIDGE ROAD BRIDGE REPLACEMENT**
SOUTH PERU OLENA RD., CONSTRUCTION COSTS - \$740,000
(FUNDING - 95% FEDERAL, 5% LOCAL)
- WILLIAMS ROAD BRIDGE REPLACEMENT**
NORTH OF US 20, CONSTRUCTION COSTS - \$240,000
(FUNDING - 74% OPWC, 26% LOCAL)
- SNYDER ROAD BRIDGE DECK REPLACEMENT**
EAST OF SR 99, CONSTRUCTION COSTS - \$400,000
(FUNDING - 89% OPWC, 11% LOCAL)
- SNYDER ROAD BRIDGE/CULVERT REPLACEMENT**
WEST OF SR 61, CONSTRUCTION COSTS - \$80,000
(FUNDING - 100% LOCAL)
- PERU CENTER ROAD BRIDGE/CULVERT REPLACEMENT**
NORTH OF SR 103, CONSTRUCTION COSTS - \$60,000
(FUNDING - 100% LOCAL)
- FAYETTE ROAD BRIDGE/CULVERT REPLACEMENT**
WEST OF BUTLER, CONSTRUCTION COSTS - \$90,000
(FUNDING - 100% LOCAL)
- REMELE ROAD DECK REPLACEMENT**
SOUTH OF SETTLEMENT ROAD, CONSTRUCTION COSTS - \$20,000
(FUNDING - 100% LOCAL)
- OLIVE ROAD DECK REPLACEMENT**
EAST OF SR 61, CONSTRUCTION COSTS - \$45,000
(FUNDING - 100% LOCAL)
- CODER ROAD DECK REPLACEMENT**
WEST OF SECTION LINE 30 ROAD, CONSTRUCTION COSTS - \$20,000
(FUNDING - 100% LOCAL)

- VILLAGE OF MONROEVILLE**
MILAN AVE. / RIVER ROAD RESURFACING
 3/4 MILE, CONSTRUCTION COSTS - \$300,000
 (FUNDING - 74% OPWC, 26% LOCAL)
- VILLAGE OF NORTH FAIRFIELD**
NEW STATE ROAD RESURFACING
 1.0 MILE, CONSTRUCTION COSTS - \$300,000
 (FUNDING - 70% OPWC, 30% LOCAL)