Ohio’s Research Initiative for Locals (ORIL)

Research Funding for Locals

OTEC 2016

Vicky Fout
ODOT Statewide Planning & Research
ORIL – What is it?

Providing real solutions to real problems... through research
ORIL – How does it work?

**ORIL Board**

<table>
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<tr>
<th>Organization</th>
<th>Voting Members</th>
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<tr>
<td>CEAO</td>
<td>Brett Boothe (Gallia)</td>
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<td>Bill Lozier (Licking)</td>
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<td>OML</td>
<td>Terry Lively (Marion)</td>
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<td>Paul Schmelzer (Findlay)</td>
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<td>OTA</td>
<td>Greg Butcher* (Violet)</td>
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<td>Academia</td>
<td>Rui Liu (Kent State University)</td>
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<tr>
<td>ODOT</td>
<td>Jennifer Elston (D8)</td>
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<td>Anna Kuzmich (D11)</td>
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**Non-Voting (Support) Members**

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<tr>
<th>ODOT Research</th>
<th>Ohio LTAP Center</th>
<th>FHWA</th>
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<tr>
<td>Vicky Fout</td>
<td>Mike Fitch</td>
<td>Frank Burkett</td>
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<td>Michelle Lucas</td>
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* Board Chair
ORIL – How does it work?

Who’s bringing the checkbook?

**Total Funding: $4,000,000 Over 8 fiscal years!**
ORIL – How does it work?

What has ORIL done with the money so far?

Projects: 17

Value: $2,144,861

- ODOT: $240,000 (11%)
- ORIL: $1,904,861 (89%)
ORIL Projects

Evaluation and Design of a TL-3 Bridge Guardrail System Mounted to Steel Fascia Beams
  Completion Date: May 2017

Waterproofing Details of Connections for Adjacent Precast Concrete Box-Beam Bridges
  Completion Date: March 2017
ORIL Projects

- Practical Design Guidelines for Replacement of Deficient Bridges with Low Water Crossing in the Rural Mid-West (Pooled Fund)
  - Completion Date: May 2017

- Structural Benefits of Concrete Paving of Steel Culvert Inverts
  - Completion Date: March 2017
ORIL Projects

Synthesis of Research on Load Capacity of Concrete Slabs Without Plans
Completion Date: May 2017

Inspection, Repair, Retrofit Procedures, and Design Recommendations for Non-Redundant Steel Structures
Final Report Coming October 2016
ORIL Projects

- Analysis of Ground Tire Rubber in Mix Design on Local Roadways
  Completion Date: September 2017

- Best Practices of Road User Maintenance Agreements Amongst Local Government Agencies in Ohio
  Completion Date: January 2017
ORIL Projects

- Optimizing the Effective Use of RAP in Local Roadways
  - Completion Date: October 2018

- Use of Crushed Recycled Glass in Construction of Local Roadways
  - Completion Date: October 2018
ORIL Projects

- **Best Practices for Chip Sealing Low-Volume Roads in Ohio**
  - Completion Date: May 2018

- **Investigation of In-Situ Strength of Various Construction/Widening Methods Utilized on Local Roadways**
  - Final Report Available on ORIL website
ORIL Projects

- Storm Water Best Management Practices for Local Roadways
  - Final Report Available on ORIL website

- Storm Water BMP Tool Implementation Testing
  - Completion Date: December 2017
ORIL Projects

Assessment of IRP Truck Licensing for Ohio Counties
- Final Report Available on ORIL website

Recommendations and Strategies for IRP Truck Licensing Impacts for Ohio Counties
- Completion Date: February 2017