



Providing Research Support for Townships

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ODOT's Office of Statewide Planning & Research

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ORIL History

- Providing *real* solutions to *real* transportation problems
- Collaborative effort to improve Ohio's *local* transportation system




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ORIL Board

Organization	Voting Members	
CEAO	Mark Eicher (Muskingum) Steve Luebbe (Fayette)	Warren Schlatter (Defiance) Jeremiah Upp (Fairfield)
OML	Megan O'Callaghan (Dublin) Brian Thomas (Findlay)	Steven Bergstresser (Springfield) James Young (Columbus)
OTA	Greg Butcher (Violet)	
ODOT	Jennifer Elston (D8) Keith Smith (D8)	Matt Chaney (D4) Chase Wells (C0)
Academia	Natassia Brenkus (The Ohio State University)	Deogratias Eustace (University of Dayton)



Non-Voting (Support) Members		
ODOT Research	Ohio LTAP Center	FHWA
Vicky Fout Michelle Lucas	Mike Fitch	Frank Burkett

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ORIL Mission

- ORIL develops, funds and oversees transportation research projects to meet the needs of local agencies for the safety and economic well-being of the traveling public and Ohio

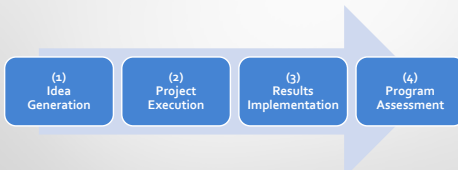


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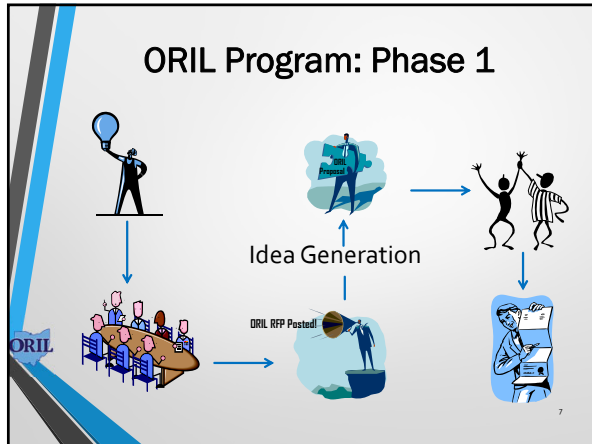
ORIL Program Design

- Four Phases

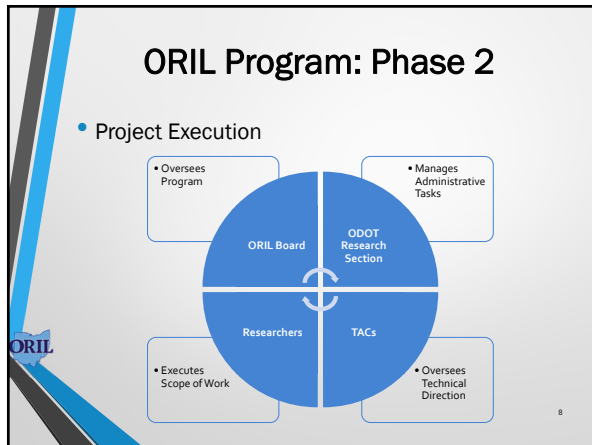


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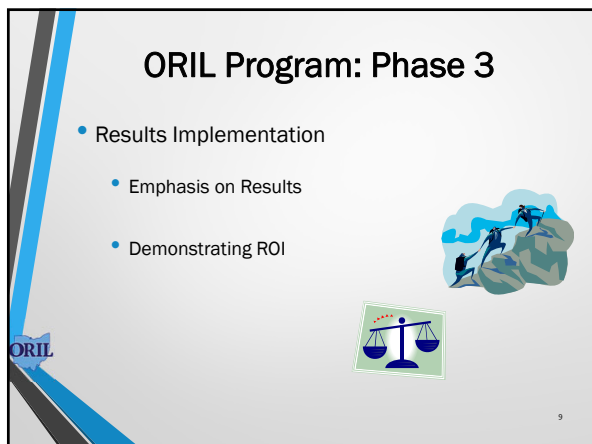
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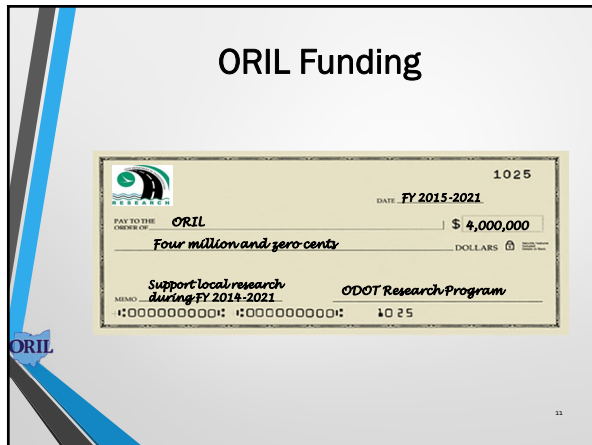
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ORIL Funding

- How does the money work?

 <ul style="list-style-type: none"> • Used for research expenses only • Contracted research projects • Funds & contracts managed by ODOT 	 <ul style="list-style-type: none"> • Not for capital improvements • Not for standard maintenance activities • Not a grant program
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SHOW ME THE PROJECTS!

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ORIL Projects

Investigation of In-Situ Strength of Various Construction/Widening Methods Utilized on Local Roads

- Establish range of structural coefficients for 19 most commonly used widening treatments
- Defiance County *cost savings* of \$1.3 Million +



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ORIL Projects

Best Practices for Chip Sealing Low-Volume Roads in Ohio

- Matrix of best practices as defined in literature and by local public agencies on 17 different chip sealing aspects



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ORIL Projects

Structural Benefits of Concrete Paving of Steel Culvert Inverts

- Series of quick reference tables to help determine actions required and how much reinforcement may be needed for field paving
- Flow chart for engineering procedures for corrugated metal pipes and corrugated metal pipe arches




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ORIL Projects

Evaluation of Partial Depth Pavement Repairs on Routes Heavily Traveled by Amish Horse and Buggies – Phase 2

- Asphalt mixes with better resistance to damage and alternative horseshoe designs
- Task Force with Amish, townships, counties and ODOT to pursue implementation of results



Shoes with typical caiks Shoes with newly designed Drilltec caiks Shoes Coated with Tungsten Carbide Composite Horseshoe

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ORIL Program

- What's in it for me?
 - Your questions – Your answers
 - Results you can use
 - Research is an extension of your staff
 - Direct access to experts
 - Unbiased, third-party, expert analysis
 - Collaboration and partnership



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ORIL Involvement

- How can I get involved with ORIL?



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ORIL Involvement

- How can I get involved with ORIL?
 - Submit a Research Idea for funding (August 2020)

ORIL Research Idea Form	
1) What is your problem/idea?	3) TAC recommendations
<ul style="list-style-type: none"> • Magnitude of the issue 	<ul style="list-style-type: none"> • Demonstrates support & need
2) What is the benefit?	4) Estimated duration & funding
<ul style="list-style-type: none"> • Potential gain/impact 	<ul style="list-style-type: none"> • Demonstrates how extensive/involved

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ORIL Involvement

- How can I get involved with ORIL?
 - Submit a Research Idea for funding (August 2020)
 - Join a Technical Advisory Committee

Pending New ORIL Projects for FY2021
Investigation of Asphalt Deterioration Under Tree Canopy
Developing Long Lasting & Cost Effective Pothole Patches for Local Roads
Self-Healing of Concrete Cracks with Bacteria
Pervious Pavements – Water Quality
Ultra-High Performance Concrete Using Local Materials for Bridge Applications

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ORIL Involvement

- How can I get involved with ORIL?
 - Submit a Research Idea for funding (August 2020)
 - Join a Technical Advisory Committee
 - Join the ORIL Board

- Contact the Ohio Township Association
- New township representative term: January 1, 2021 – December 31, 2024

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ORIL Involvement

- How can I get involved with ORIL?
 - Submit a Research Idea for funding (August 2020)
 - Join a Technical Advisory Committee
 - Join the ORIL Board
 - Post to the ORIL Idea Discussion Site



Join the conversation!

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ORIL Idea Discussion Site



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ORIL Idea Discussion Site





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ORIL Calendar

- What happens when?
- FY 2021 Program
 - RFPs post by February 28, 2020
 - RFP Solicitation closes April 1, 2020
 - ORIL Board Researcher Selection May 19, 2020
 - Project may begin starting July 1, 2020 (based on contract negotiations)

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ORIL Calendar

- New Calendar – for FY2022 Program

<p>January</p> <ul style="list-style-type: none"> o RFP Posting (mid) <p>February</p> <ul style="list-style-type: none"> o ORIL Board Meeting - Program Review (mid) <p>March</p> <ul style="list-style-type: none"> o Deadline for Proposal Submission (mid) <p>April</p> <ul style="list-style-type: none"> o TACs & Board review proposals <p>May</p> <ul style="list-style-type: none"> o ORIL Board Meeting - Researcher Selection (mid) o ODOT's SP&R2 program book submission to FHWA for eligibility approval - inclusive of ORIL projects (by 31st) <p>June</p> <ul style="list-style-type: none"> o Negotiations with selected researchers begins 	<p>July</p> <ul style="list-style-type: none"> o Fiscal year starts on 1st - new contracts can begin o ORIL Board Meeting - Strategy Meeting (late) <p>August</p> <ul style="list-style-type: none"> o Formal Solicitation for Research Ideas (early) <p>September</p> <ul style="list-style-type: none"> o Ideas Solicitation closes (early) <p>October</p> <ul style="list-style-type: none"> o ORIL Board Meeting - Idea Prioritization, TAC Establishment, and Chair Election (mid) <p>November</p> <ul style="list-style-type: none"> o RFP Development <p>December</p> <ul style="list-style-type: none"> o ORIL Board approves RFP for posting - online process (mid)
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ORIL Program

- Visit the Website
 - <http://oril.transportation.ohio.gov>
- Email Us:
 - ORIL@dot.state.oh.us
- Call Us:
 - 614-644-8135 (Michelle Lucas, ODOT Research)
 - 614-466-3029 (Vicky Fout, ODOT Research)
 - 614-387-7358 (Mike Fitch, Ohio LTAP Center)



Questions? Thank You!



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