

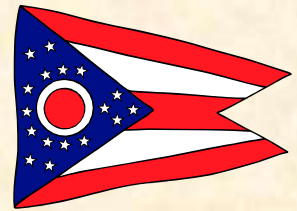
***Student Session:  
The Transportation Profession***

Panelist: Mike Fitch, P.E.  
TE-3/Program Manager, ODOT/LTAP

Ohio Transportation Engineering Conference (OTEC)  
October 29, 2008

# My Background

- Ohio Department of Transportation (ODOT), since January 2003.
- Previous employment with:
  - Maryland DOT
  - An engineering consulting firm in Ohio
  - Civil engineering departments at Virginia Tech and Ohio State University
- Educational background:
  - B.S.C.E. & M.S.C.E., Virginia Tech



# Ohio's Transportation Network Includes ...

- More than 44,150 bridges  
(the 2<sup>nd</sup> largest inventory in the U.S.)
- More than 125,150 centerline miles of public roads
- State of Ohio (ODOT), Counties, Cities, Villages, Townships, other

# Ohio Department of Transportation



Responsible for Interstates,  
U.S. and State Routes ...

- Pavements / Roadway
- Bridges & Culverts
- Traffic Signals, Signs,  
Pavement Markings
- Hydraulics & Drainage
- Maint. / Repair / Rehab.
- New Construction

Twelve District Offices +  
Central Office

Approx. 6,000 employees

# Ohio Department of Transportation



## Mission:

- To seamlessly link Ohio's highways, railways, transit, aviation and port facilities, the Ohio Department of Transportation will promote a world-class, integrated multi-modal transportation system that is efficient, cost-effective and reliable for all of the state's citizens, businesses and travelers.

# ODOT's Local Technical Assistance Program (LTAP)



- Training & technical assistance
- Topics in transportation & public works
- Aimed toward local government agencies:
  - 88 County Engineers' offices
  - Over 900 Villages & Cities
  - Over 1,300 Townships
- *Note: more than 80% of Ohio's centerline road mileage is 'local'*



– *Training Areas* –

## Roadway Safety; Traffic Control

- Intersection Safety
- Horizontal Curve Safety
- Guardrail Installation
- Traffic Signal Maintenance & Troubleshooting
- Traffic Signs & Pavement Markings
- Work Zone Traffic Control & Safety



– *Training Areas* –

# Roadway Management & Maintenance

- Asphalt Pavement Preservation
- Concrete Pavement Preservation
- Pavement Condition Rating
- Pavement Management Systems
- Maintenance of Local Roads
- Snow & Ice Control



*– Training Areas –*

# **Infrastructure Management; Drainage; Environmental**

- Bridge Maintenance Overview
- Culvert Inventory & Inspection
- Road Drainage 101
- Drainage Pipes (various types)
- Storm Water Management



# *– Training Areas –*

## **Employee Safety & Development**

- Trenching Safety
- Confined Space Safety
- Chainsaw Safety
- Load Securement
- Backhoe Operation
- Workplace Safety



# The Transportation Profession

- Challenges
- Opportunities

# The Transportation Profession Includes ...

[ Public Agencies ]

Federal Highway  
Administration  
(FHWA)

State Departments  
of Transportation

Local Agencies  
(County, City,  
Village, Township)

[ Academia / Other ]

University  
Civil / Transp.  
Engineering  
Departments

Member-  
Supported  
Professional  
Associations

[ Private Sector ]

Engineering / Architect-  
ural Design Firms

Consulting &  
Inspection Firms /  
Test Labs

Construction Companies  
/ "Contractors"

Material Suppliers

Industry Associations