



Innovative Facility and Infrastructure Design™

# ACCESS MANAGEMENT PLAN(ning)

NE Ohio Planning and Zoning Workshop

PRESENTED BY SCOTT KNEBEL, P.E. | LJB INC. | JUNE 25, 2010



- ◉ Definition
- ◉ Toolbox and tips
- ◉ Access policy/regulations

# ACCESS MANAGEMENT



- ◉ The proactive management of vehicular access points to land parcels adjacent to all manner of roadways (FHWA)
- ◉ The practice of improving the design and placement of driveways and medians (FDOT)
- ◉ The systematic control of ...driveways, median openings, interchanges, and street connections to a roadway (TRB)

# BENEFITS



- Reduce delays and emissions
- Improve access
- Increase capacity
- Improve safety
- Maintain economic



- Definition
- Toolbox and tips
- Access policy/regulations

# STANDARD TOOLBOX

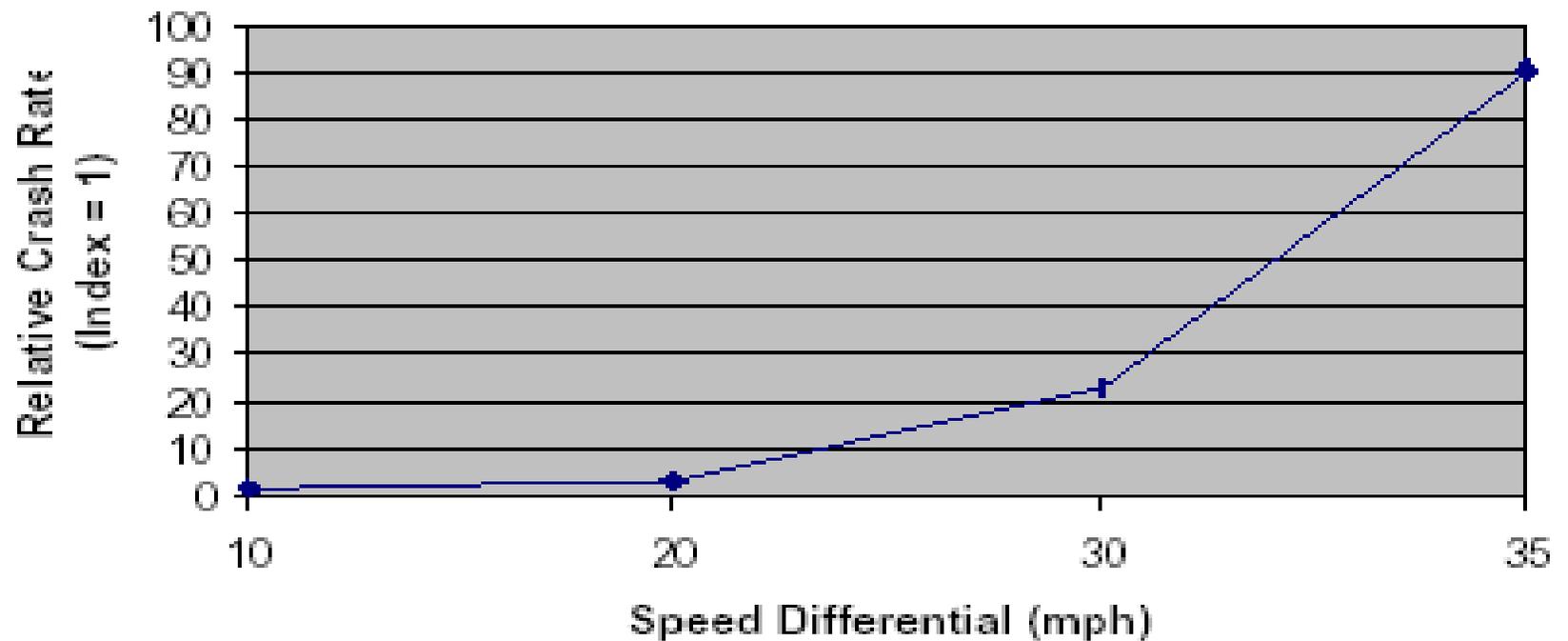


- Remove
- Consolidate
- Relocate
- Restrict

# AUXILIARY LANE



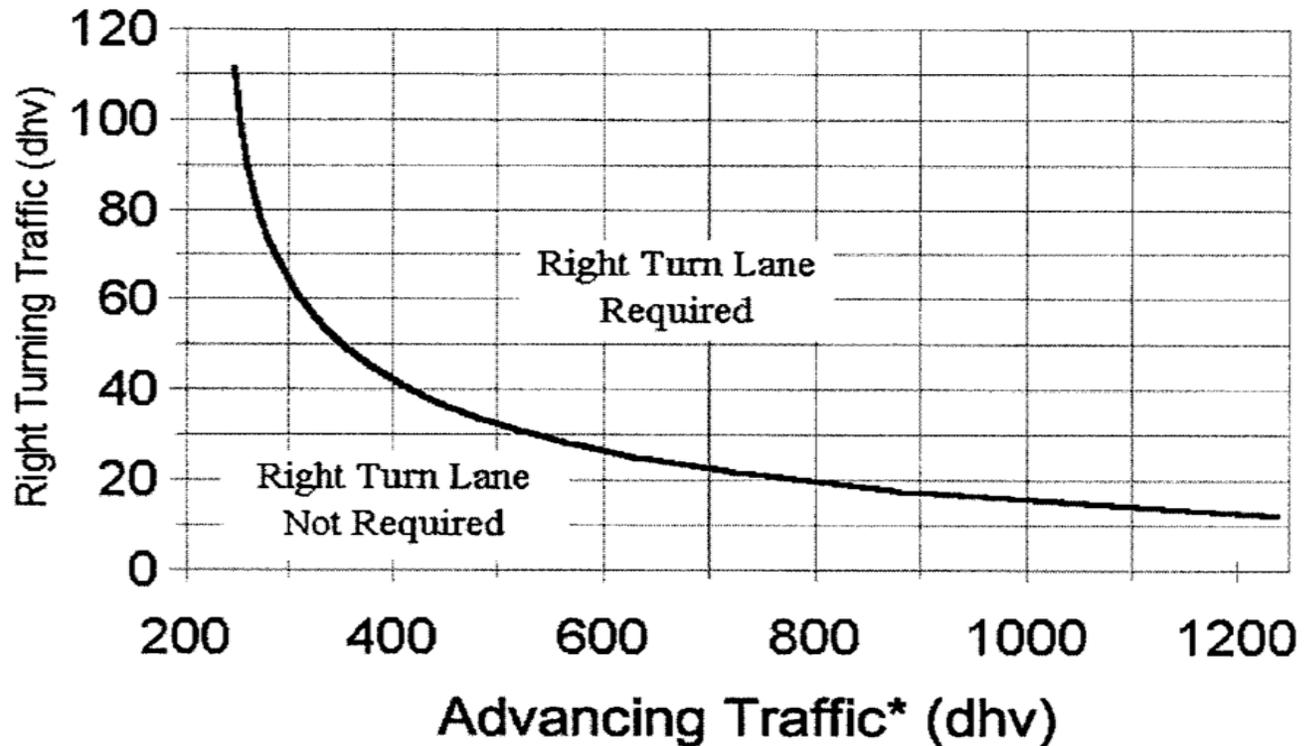
## Relationship between Speed Differential and Crashes



# ODOT CRITERIA

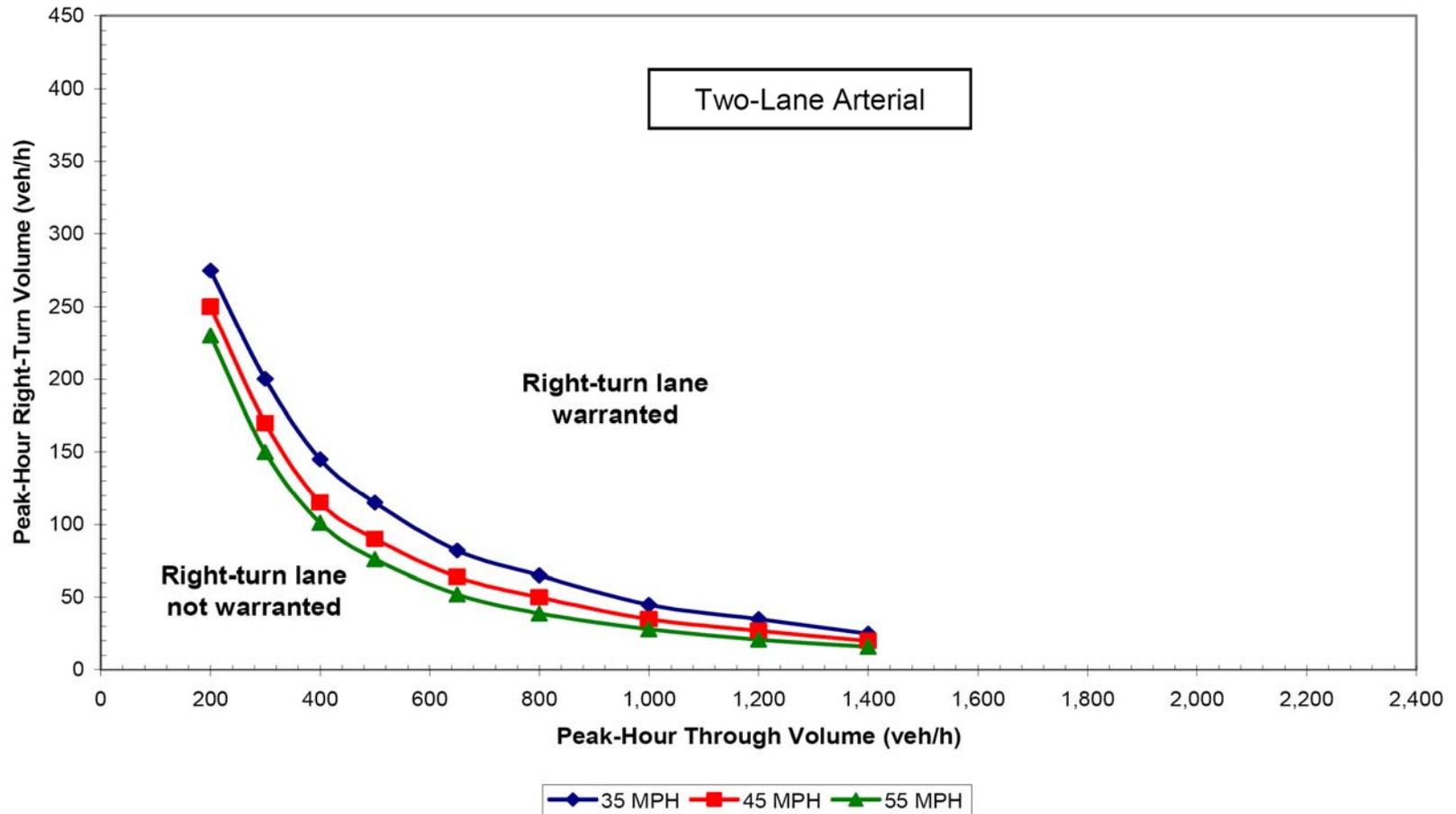


## 2-Lane Highway Right Turn Lane Warrant > 40 mph or 70 kph Posted Speed

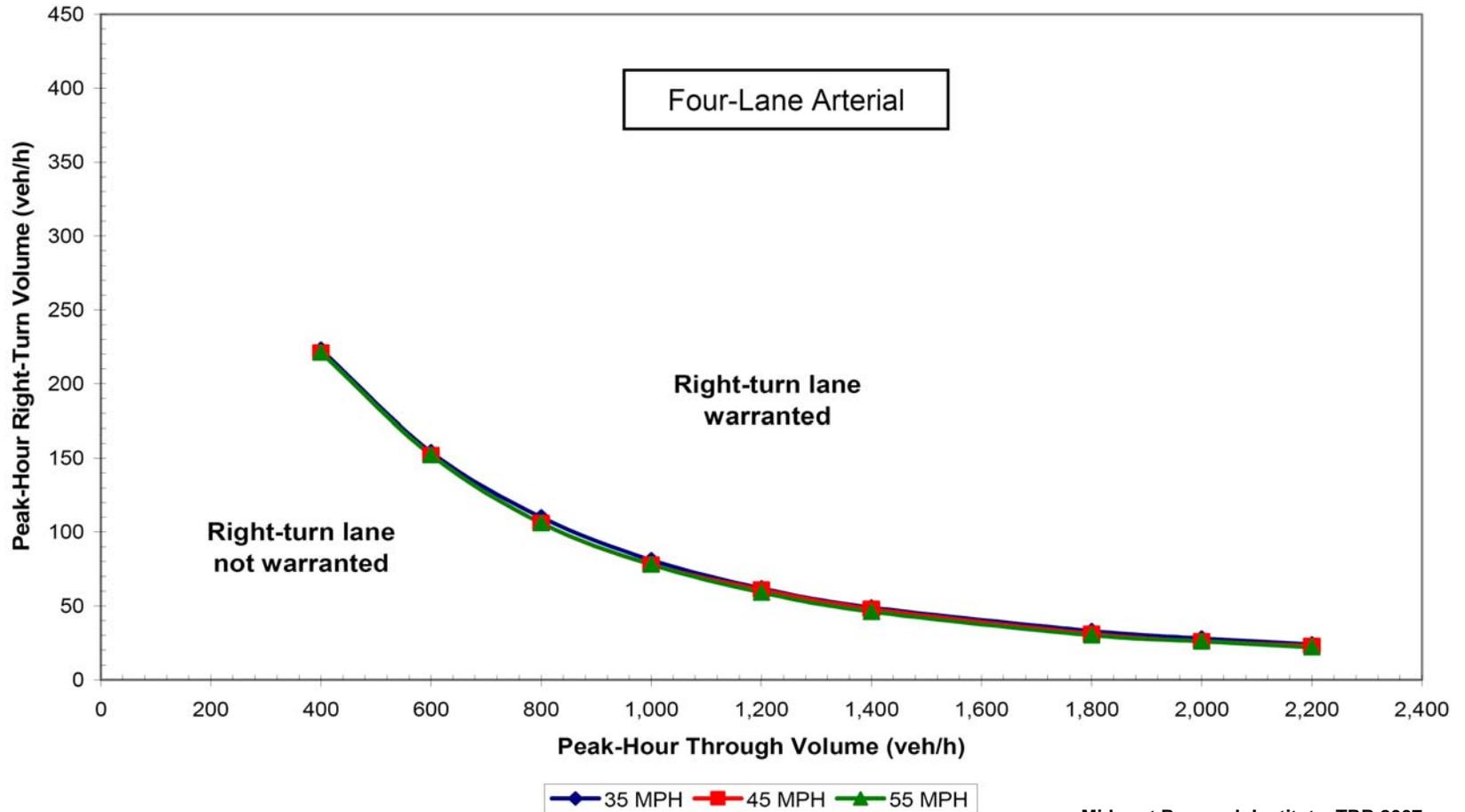


\*Includes Right Turns

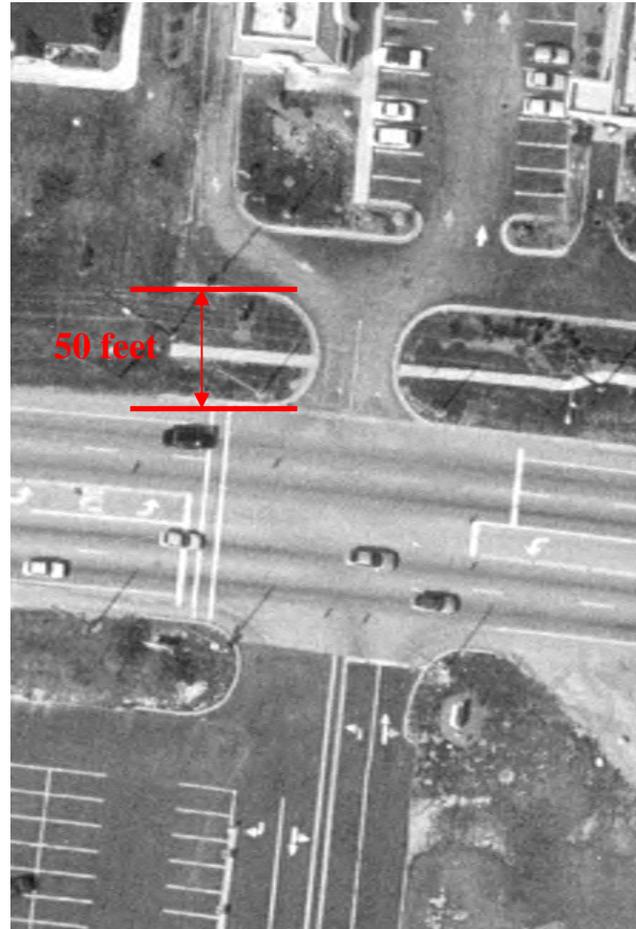
# ALTERNATE CRITERIA



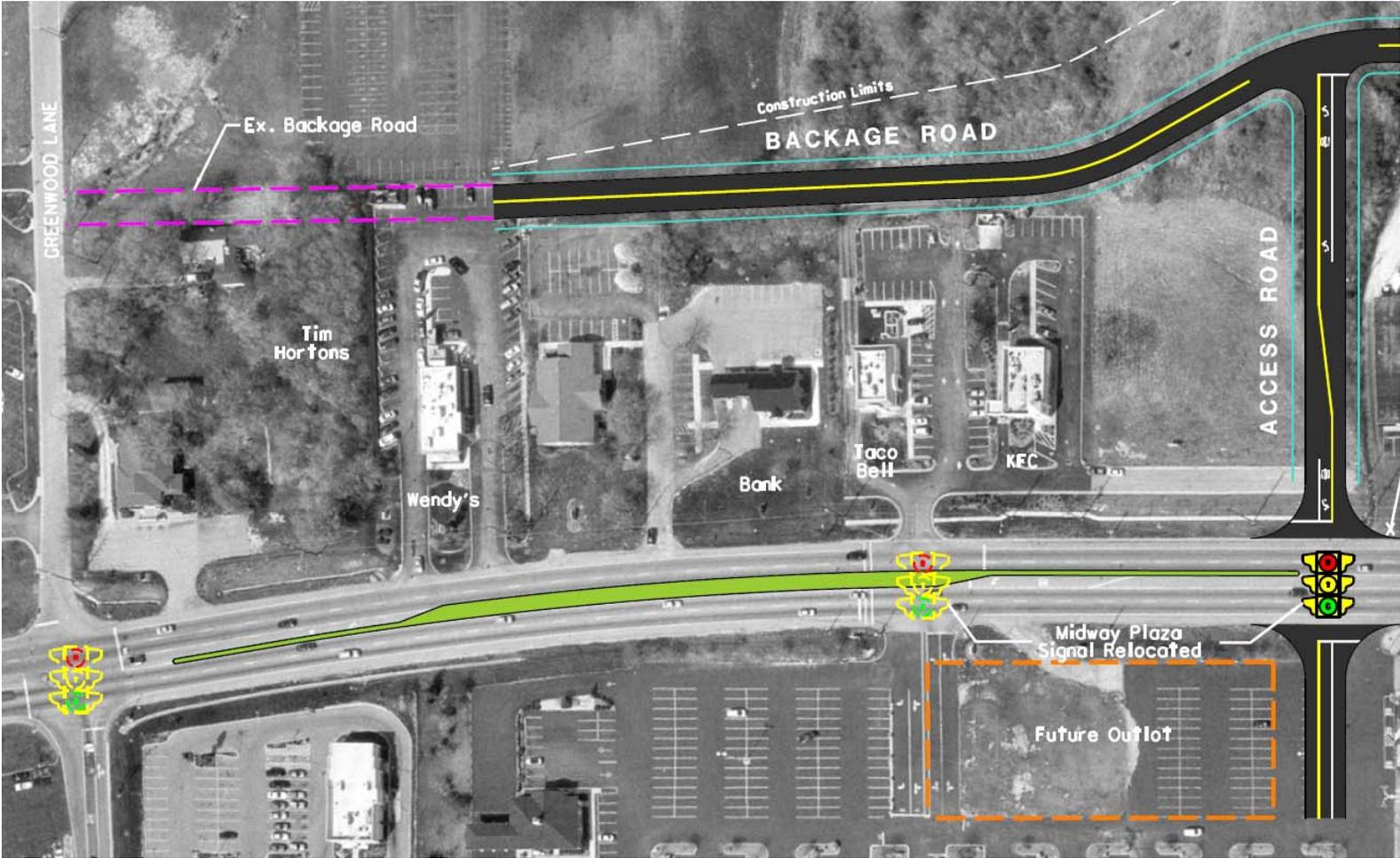
# ALTERNATE CRITERIA



# FRONTAGE ROADS



# BACKAGE ROAD



# CURRENT PLAN



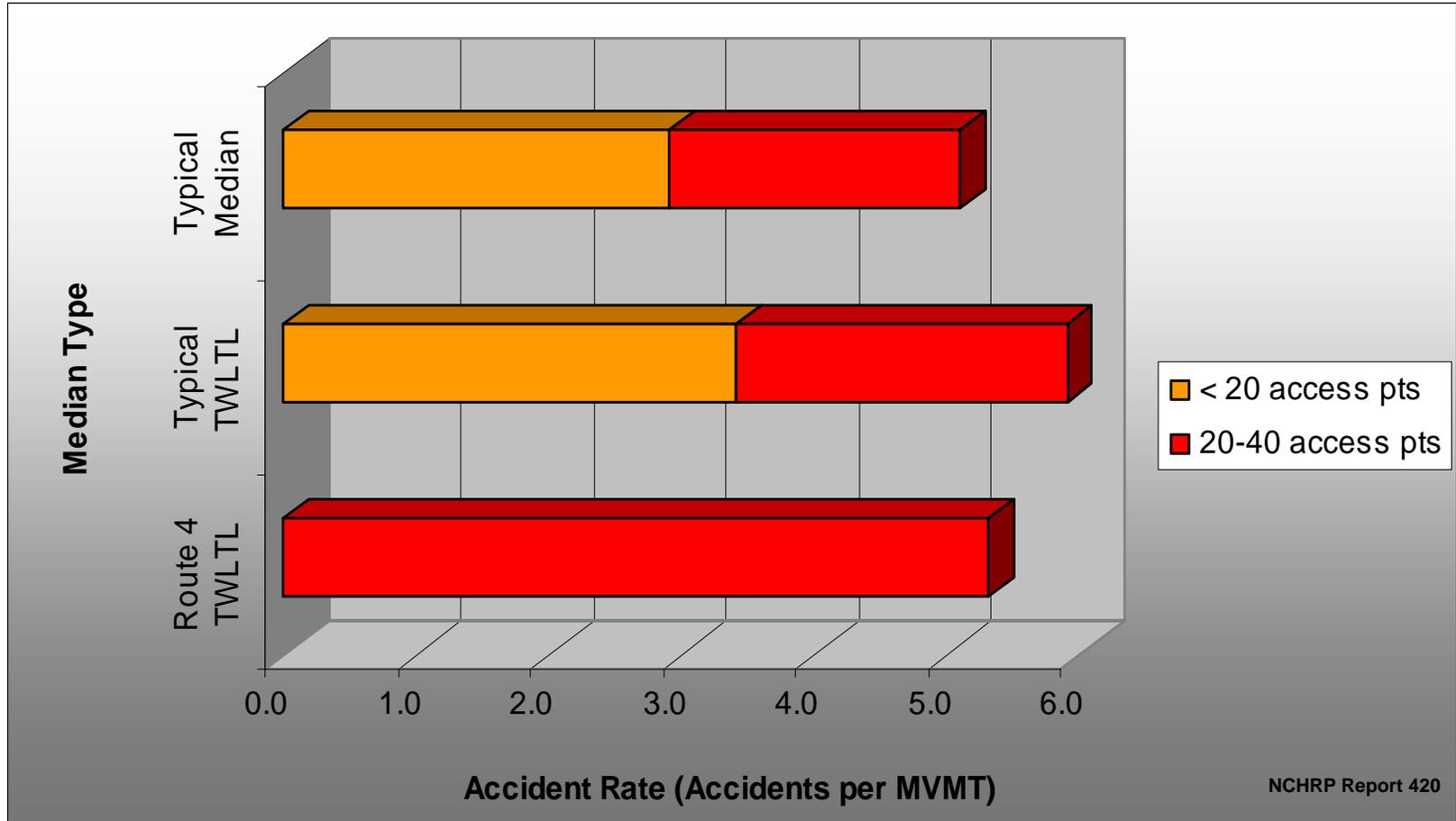
# RESTRICTED ACCESS



# INSIDE LEFT TURN



# MEDIANS vs TWLTL





An effective access management plan should consist of both design and policy components



- Definition
- Toolbox and tips
- Access policy/regulations

# REGULATIONS



- Ohio Department of Transportation (ODOT) State Highway Access Management Manual gives the Director authority to control access in accordance with ORC 5501.31 and 5515.01
- Some county engineers and townships have developed regulations to manage access as permitted by ORC section 5552.02



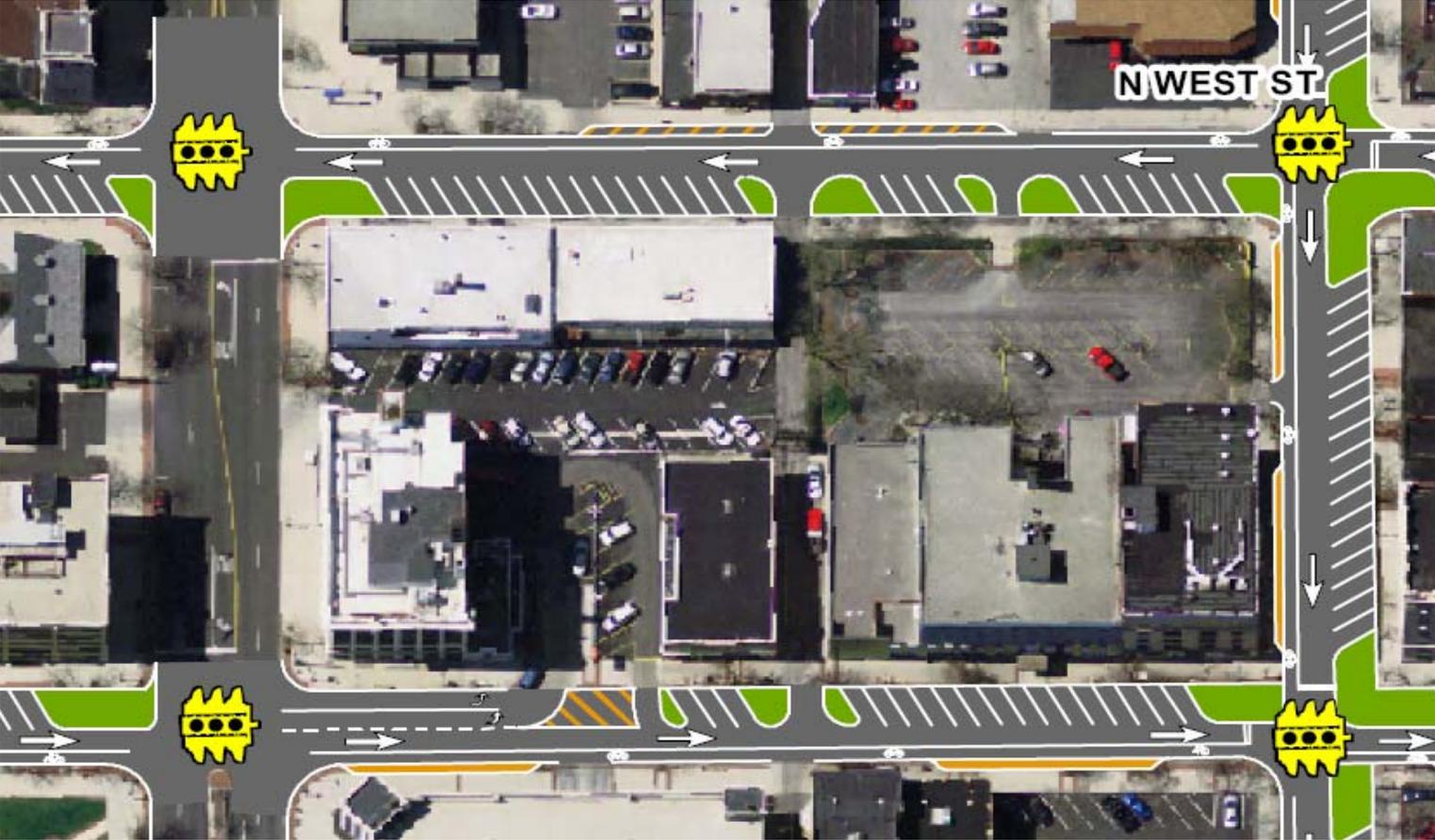
- ◉ Include access management policies in the comprehensive plan
  - > Limit number of driveways per lot by policy with special conditions for additional access
  - > Consolidate parking lots and driveways
  - > Promote internal access to outlots and adjacent parcels
- ◉ Classify roadways by function and/or adjacent land use
- ◉ Provide for a variety of street types with different standards

# SAMPLE POLICY



- Includes a vision for how and why the community is to manage its network
- Encourages connectivity and aims to create a comprehensive network
- Applies to both new and retrofit projects including design, planning and operations
- Makes any exception specific and sets a clear procedure that requires high-level approval of exceptions
- Applies current design criteria but allows flexibility to balance user needs

# POSSIBILITIES





If transportation and land use are overlapping, interdependent systems...

then management of access between these elements should be addressed by the planning process

# CONTACT INFORMATION



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