

# Indiana Statewide Access Management Program

## The INDOT-LPA Access Management Initiative

96<sup>th</sup> Annual Purdue Road School

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Planning Section



AECOM

## Overview of Presentation

- What is access management?
- What are the benefits?
- What are the principles of access management?
- What has been done on the INDOT-LPA Access Management Initiative?



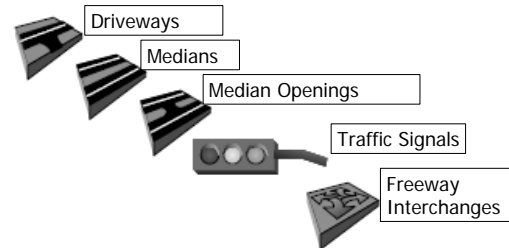
## Access Management is...

- A process that provides or manages access to land development while preserving the safety, capacity and efficiency of the roadway system



## Access Management is...

- The control and regulation of the spacing and design of:

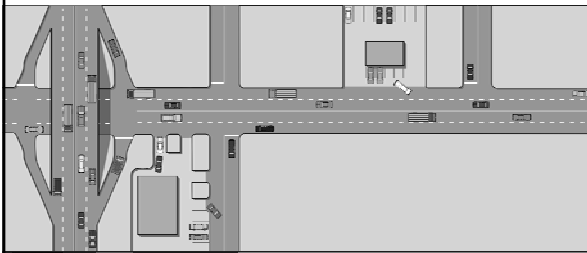


Source: Median Handbook – Interim Version, Florida Department of Transportation, 2006.



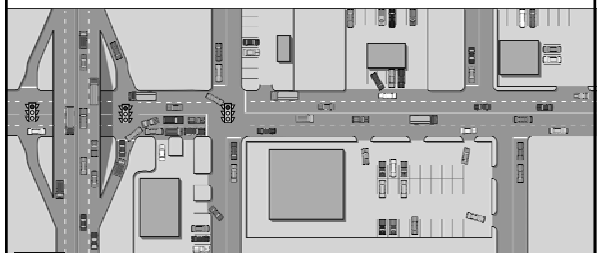
What happens if you don't manage access?

...in the beginning...



What happens if you don't manage access?

...as time progresses...



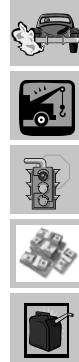
What happens if you don't manage access?

...the result...

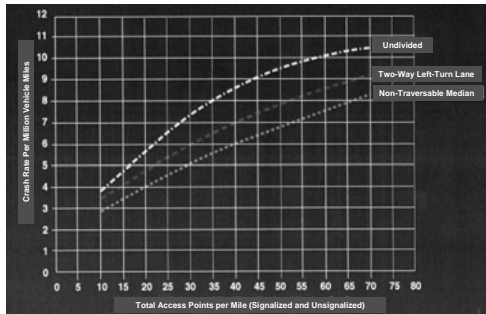


## Benefits of Access Management

- Roadway safety
- Traffic operations
- System preservation
- Economic
- Environmental
- Aesthetic



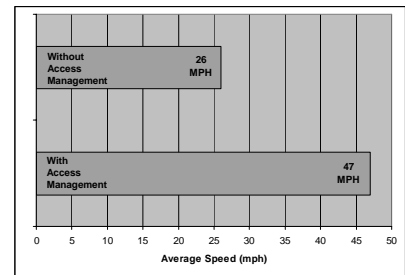
## Safety Benefit: Fewer Crashes



Source: AASHTO Green Book

## Traffic Operations Benefit: Reduced Delay

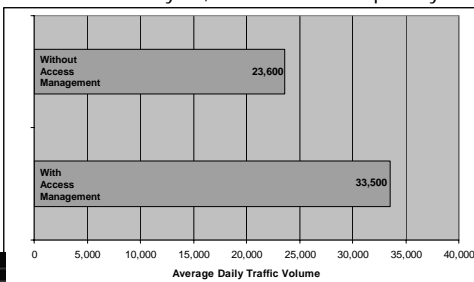
*Good access management allows traffic to move closer to posted speed limits, thereby reducing delay*



Source: Colorado Access Control Demonstration Project, 1985.

## Traffic Operations Benefits: Increased Capacity

A typical four-lane arterial road with good access management can handle nearly 10,000 more vehicles per day.



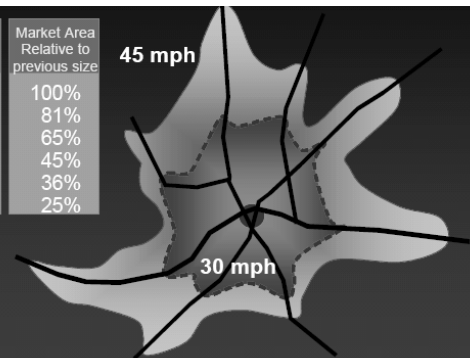
Source: Florida Department of Transportation

## Economic Benefits

Reduction in Avg. System Speed	Market Area Relative to previous size
0%	100%
10%	81%
20%	65%
30%	45%
40%	36%
50%	25%

45 mph

30 mph



## What are the Principles of Access Management?

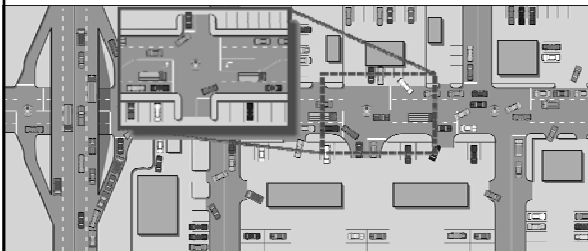


## Access Management Principles

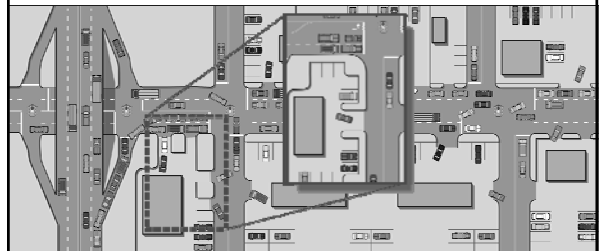
- Limit the number of conflict points
- Separate the conflict points
- Remove turning vehicles and queues from through movements
- Maintain progression speeds along arterials
- Encourage access to streets with the lowest functional classification, where this option exists



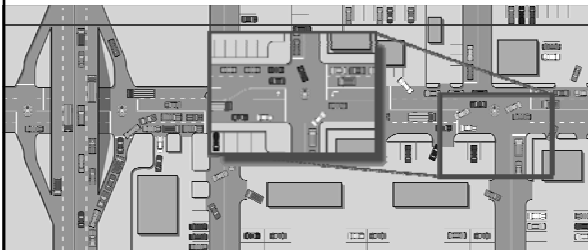
## Limit the number of conflict points...



## Separating Conflict Points



## Removing Turning Vehicles From Through Movements By Providing Exclusive Left-Turn Lane



## What has been done?

- Established an Access Management Advisory Committee
- Conducted detailed legal review of case law and INDOT's authority to manage access (Kimco Case)
- Reviewed the current INDOT driveway permit process and developed a Access Management Guide to complement the process
- Examined the role of local jurisdictions with respect to access management, and the level of coordination with INDOT and developed recommendations to improve the process



## What has been done?

### Indiana Statewide Access Management

#### Advisory Committee

- INDOT
  - District Planning and Permits
  - INDOT Central Office Planning, Permits, Legal and Roadway Engineering Standards
- Transportation Stakeholders
  - Metropolitan Planning Organizations
  - Indiana Planning Association
  - Indiana Association of County Engineers



## What has been done?

### Legal Authority for Access Management in Indiana



## Legal Authority in Indiana:

- Common access management techniques that could be applied:
  - Purchase of access rights
  - Introduction of a median
  - Closing of a median opening
  - Eliminating left-turn access
  - Limiting or reducing the number of driveways
  - Providing Reasonable but not Direct Access
  - Application of the Government's Police Power



## Kimco Case

- Plaza East shopping center on NE quadrant of Route 66/Green River Road in Evansville
- 3 issues:
  - Median installation
  - Reconfigured entrances
  - White edge line on the pavement



## What has been done?

- Produced *INDOT Access Management Guide*
- Intended as a day-to-day reference manual for INDOT staff
- Intended for use in conjunction with existing documents:
  - *Driveway Permit Manual*
  - *Applicant's Guide to Traffic Impact Studies*
  - *Roadway Design Manual*
- Access Management Techniques
- Inter-governmental Coordination
- Sample Access Management Ordinances

Indiana Department of Transportation  
Access Management Guide

Prepared by  
AECOM

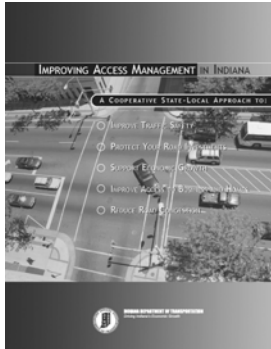
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INDOT Access Management Website: <http://www.in.gov/indot/3273.htm>



## What has been done?

- Produced 12-page Access Management brochure: A Cooperative State-Local Approach to Improving Access Management
  - Coordinated Review and Approval Process for Zoning Actions & Land Use Approvals
  - Cooperative Site Plan Review



## *INDOT and You: Partners in Access Management*

- For distribution to local governments
- Contains general information:
  - What is Access Management?
  - Why do it? Benefits?
  - "10 Ways to Manage Access"
  - Contact information for INDOT District Offices



## Opportunities to Institute Access Management

- Cooperation with local governments
  - Site plan review
  - Improved subdivision regulations
  - Joint access / cross access
  - Local access management ordinances
  - Access management corridor plans



## Access Management Policy Statement for INDOT – DRAFT

It is the mission of the Indiana Department of Transportation (INDOT) to "...plan, build, maintain, and operate a superior transportation system enhancing safety, mobility and economic growth." To this end, the purpose of the State highway system is to serve as a network of highway routes for the safe and efficient movement of people and goods.

The State highway system was constructed at great public expense and constitutes an irreplaceable public asset. As a result, the State has a responsibility to manage and maintain effectively each highway within the State highway system to preserve its functional integrity and public purpose for the present and future generations. Land development activities with unrestricted access to State highways impair the safety and operation of the State highway system and damage the public investment in that system. Owners of property which abuts a public road have a right of reasonable access to the general system of streets and highways, but not to a particular means of access. The right of access is subject to regulation for the purpose of protecting the public safety, health, and welfare.

Highway access management is beneficial for the State highway system. The purpose of this policy is to establish the implementation of access management as a priority of INDOT. To this end, INDOT will develop and maintain an access management program for the State highway system to promote the safe and efficient movement of people and goods within the State, preserve the functional integrity of and the public investment in the system, and encourage economic vitality in the State.

## For more information...

- Indiana Access Management Study Web Site:
  - <http://www.in.gov/indot/3273.htm>
- TRB Access Management website:
  - <http://www.accessmanagement.info/>

