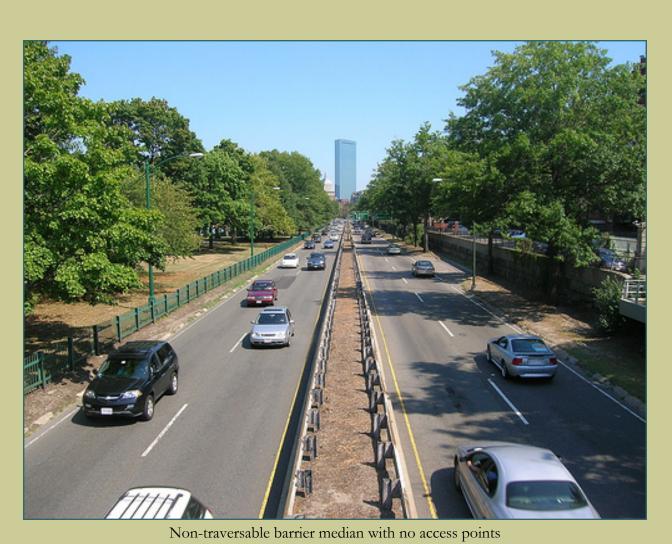
ACCESS MANAGEMENT

MOVING TRAFFIC

The Effects of Traffic Signal Spacing

- Decreasing signal spacing from four to two per mile decreases total delay by A four-lane divided arterial with 1/2
- mile signal spacing and strict access management can carry the same traffic as an arterial with 1/4 mile signal spacing and a low level of access control.

Signals Per Mile	Increase in Travel Time (%)	
2	-	
3	9	
4	16	
5	23	
6	29	
7	34	





Grass median with no access points and frontage road

Orass median with no access points and frontage road		
Access Points per Mile	Reduction in Free-Flow Speed	
0	0.0	
10	2.5 mph	
20	5.0 mph	
30	7.5 mph	
40 or more	10 mph	

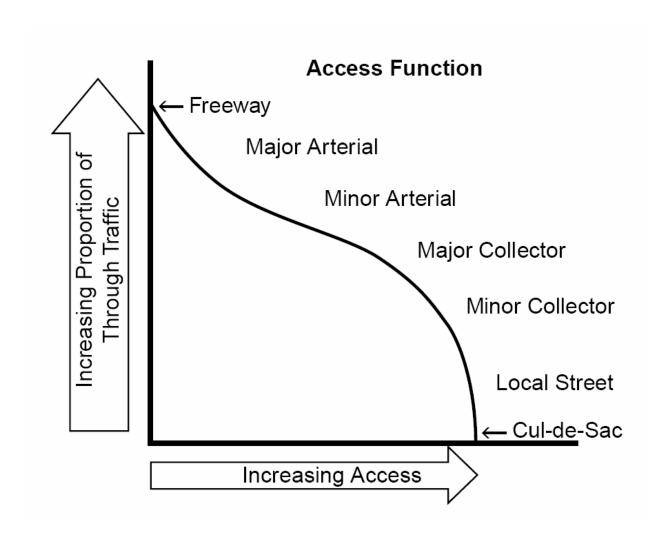




0% 10% 20% 30% 40% 50% Dropping from 45 mph to 30 means over 45% reduction

Keeping traffic moving is critical for business by maximizing market areas.

What is Access Management?



Access management is a set of techniques used to control access to state highways. The techniques used depend on the function of the road. These tools are designed to increase capacity, manage congestion, and reduce crashes.

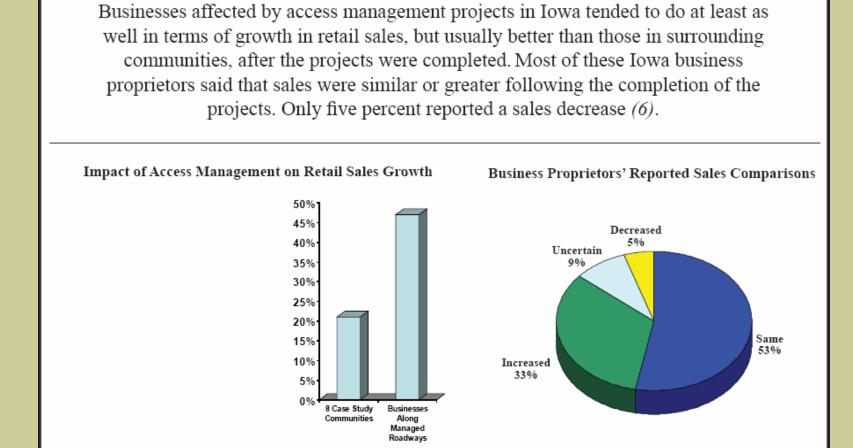
- Driveway location spacing & design
- Traffic signal and roundabout spacing
- Medians
- Median openings spacing & design
- Turning lanes
- Backage & frontage roads
- . Land use policies to limit access to highways
- Fair & consistent decision making processes

Access Management

- . Protects the investment in publicly-owned roads.
- 2. Reduces the frequency of reconstructing and rebuilding roads.
- 3. Provides the safest driving environment possible.
- 4. Reduces traffic congestion and improve traffic flow.
- Improves driving environment with fewer decision points.
- 6. Increases market area for businesses.
- Creates safer walking environment for pedestrians.
- 8. Creates safer bicycling opportunities.
- 9. Reduces travel times and delay for transit.
- 10. Looks so much better.

Top 10 Reasons for

ECONOMIC VITALITY



A study of property values on Texas corridors with access management projects found that land values stayed the same or increased, with very few exceptions (7).

A 2005 study of commercial property values along a major access management project in Minnesota found that property values depend more on the strength of the local economy and the general location of the property in the metropolitan area; changes in access seemed to have little or no effect on the value of parcels (9).

A study of Kansas properties impacted by access changes found that the majority were suitable for the same types of commercial uses after the access management project was completed. This was true even for businesses that had direct access before the project and access only via frontage roads after project completion (10).

More than 70% of the businesses impacted

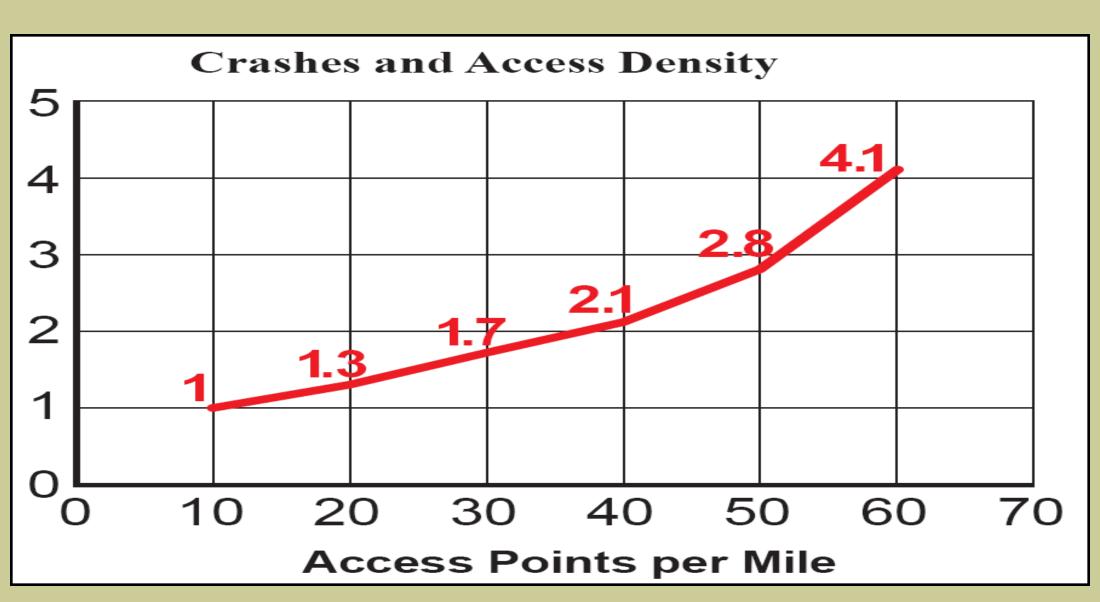
by a project in Florida involving several

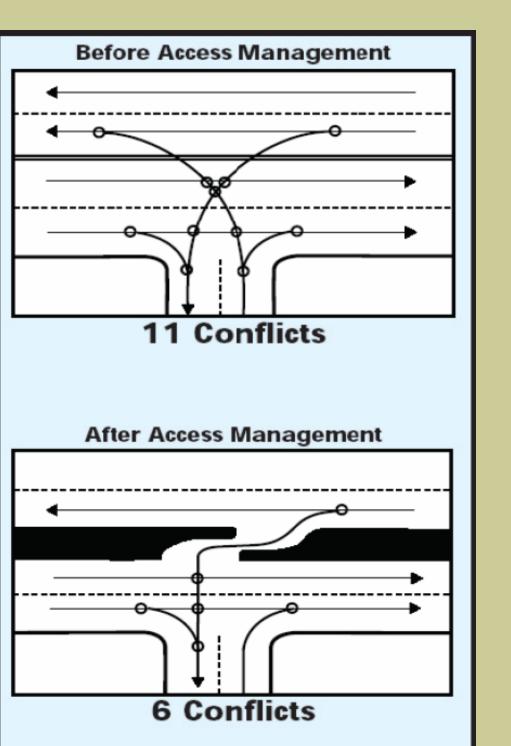
median opening closures reported no

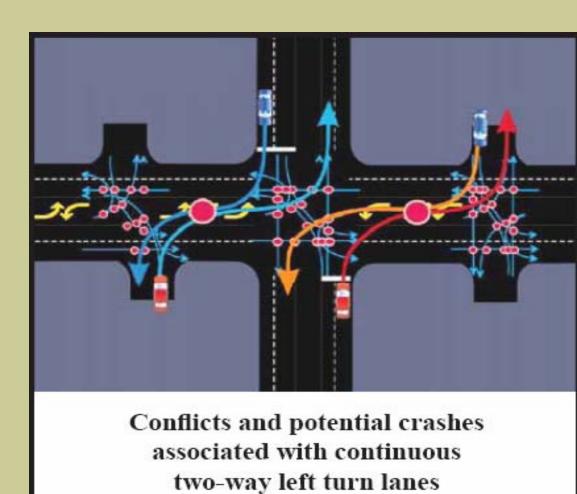
change in property value, while 13%

reported some increase in value (8).

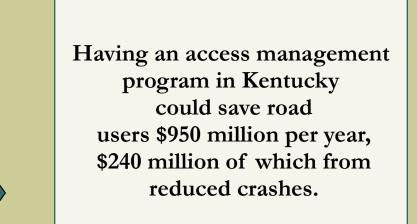
SAFETY



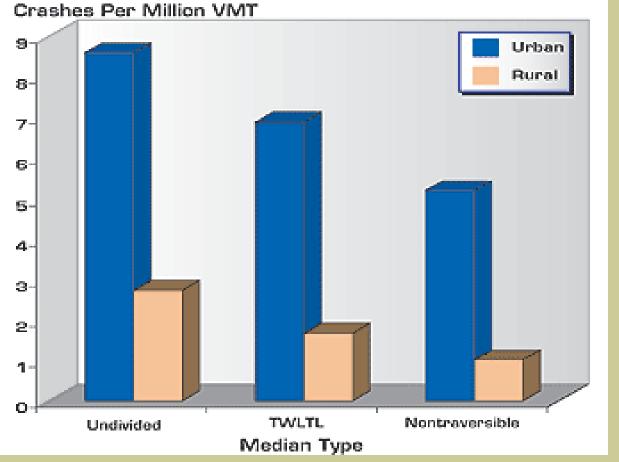


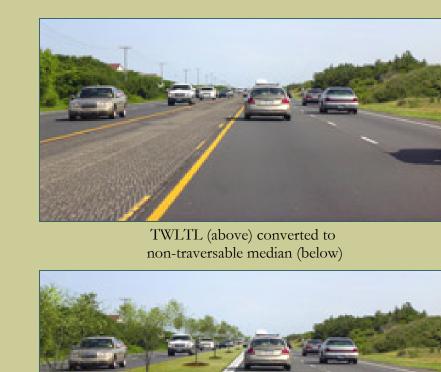


Left-turn lanes reduce crashes by 50% on average









Prepared by Brent A. Sweger, Division of Planning, Kentucky Transportation Cabinet