

Hamilton Access Control

Public Involvement Meeting #1
Hamilton, MT
December 17, 2013

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Title VI Considerations

TITLE VI

This meeting is held pursuant to Title VI of the 1964 Civil Rights Act which ensures that no person shall, as provided by Federal and State Civil Rights laws, be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination on the basis of a protected status during any MDT project.

Further information is available in Title VI pamphlets available at the sign-in table.

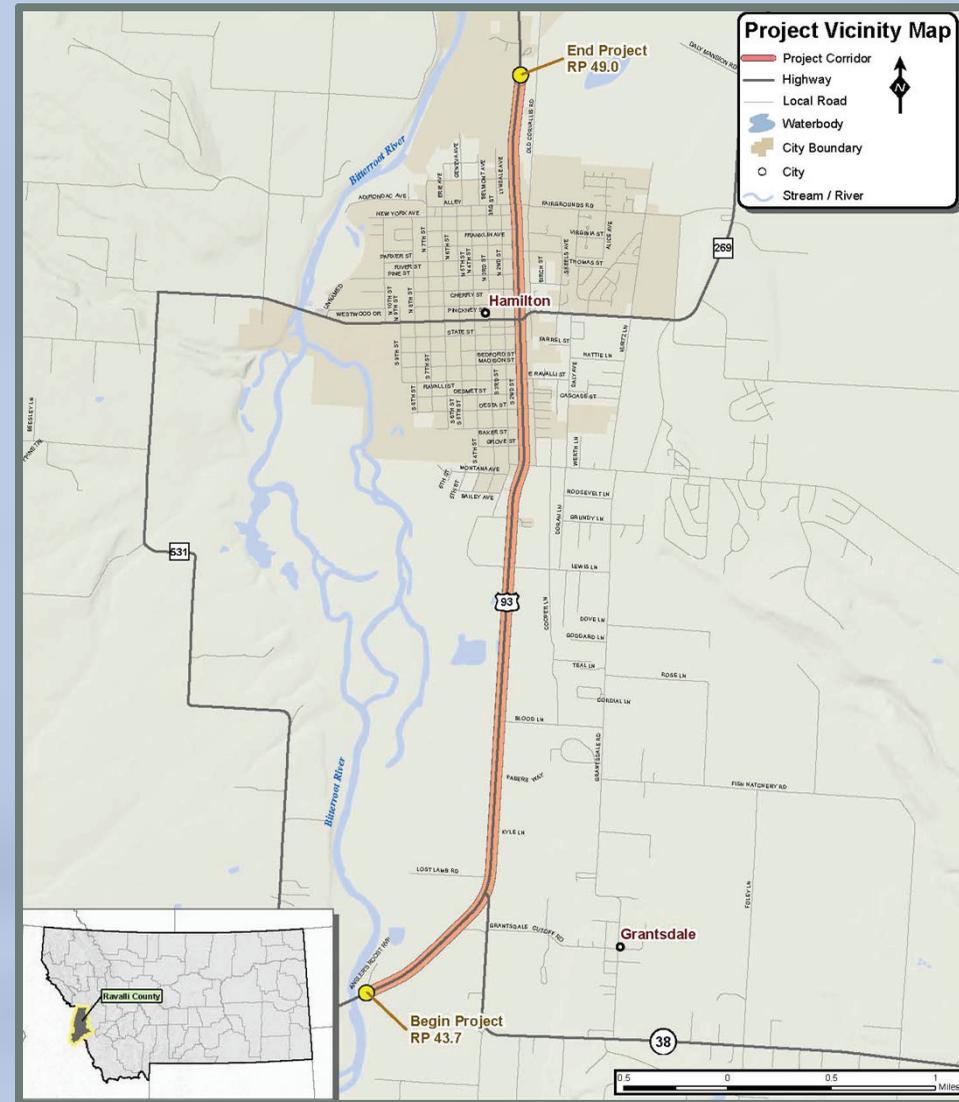
Why Develop an Access Management Plan?

- Recommended in local planning documents
 - *Hamilton Transportation Plan*
 - *Hamilton Community Safety Transportation Plan*
- US Highway 93 corridor continuity
- Good planning practice
- Partnership of MDT, City of Hamilton and Ravalli County

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Area of Study

Angler's Roost to RP 49.0
(beginning of US 93 Hamilton – N of
Woodside reconstruction project at K-
Mart)



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Overview of Presentation

- Access management – What is it?
- Techniques for managing access
- Benefits of access management
- Implementing access management
- What happens next?

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Overview of Presentation

- Access management – What is it?

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What is Access Management?

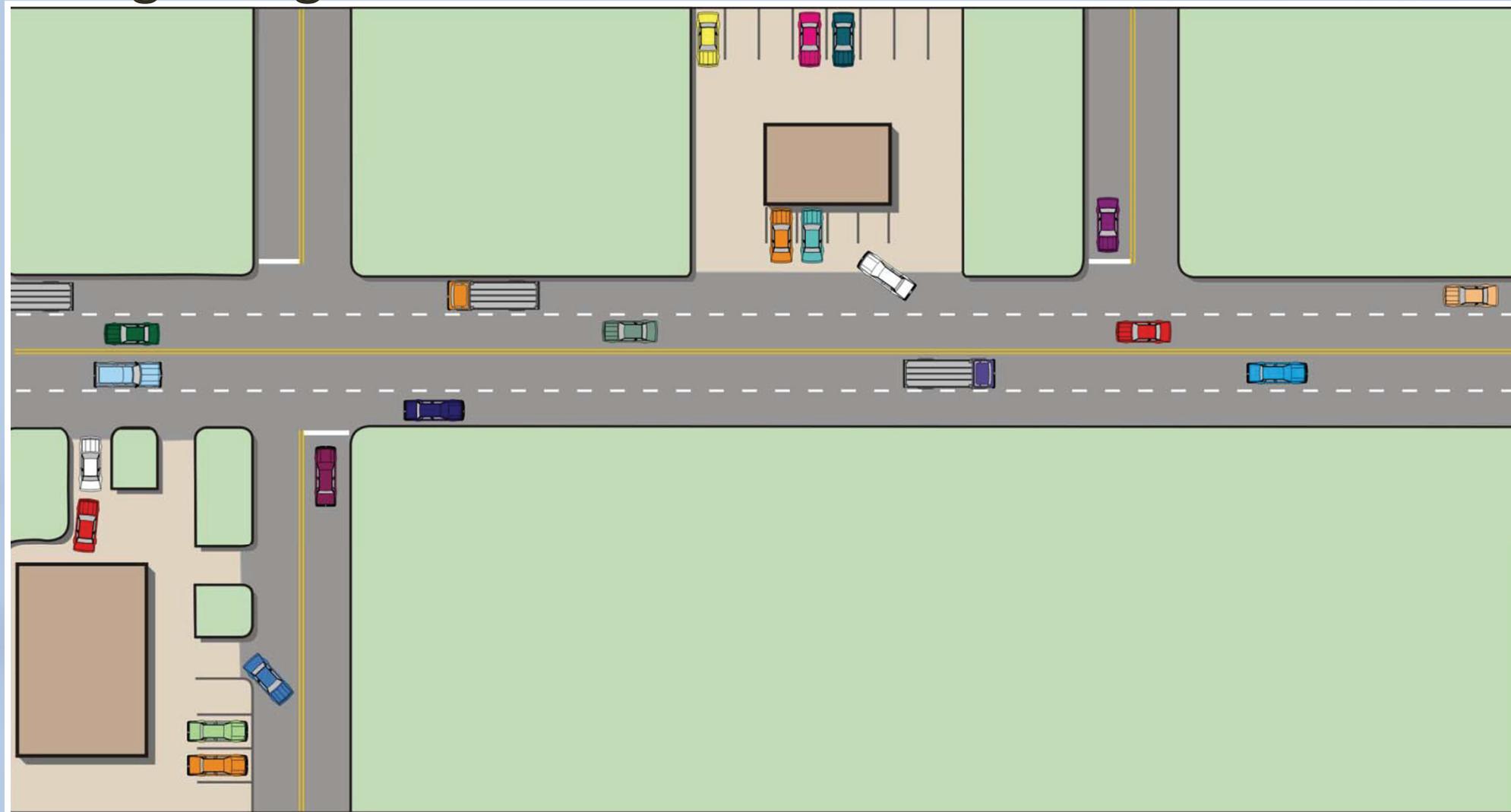
“The purpose of access management is to maintain the flow of traffic and the functional integrity of the highway, enhance public safety, preserve the public’s investment in the highway, reduce future maintenance costs and permit highway expansion on existing locations.”

(Source: Montana Department of Transportation)

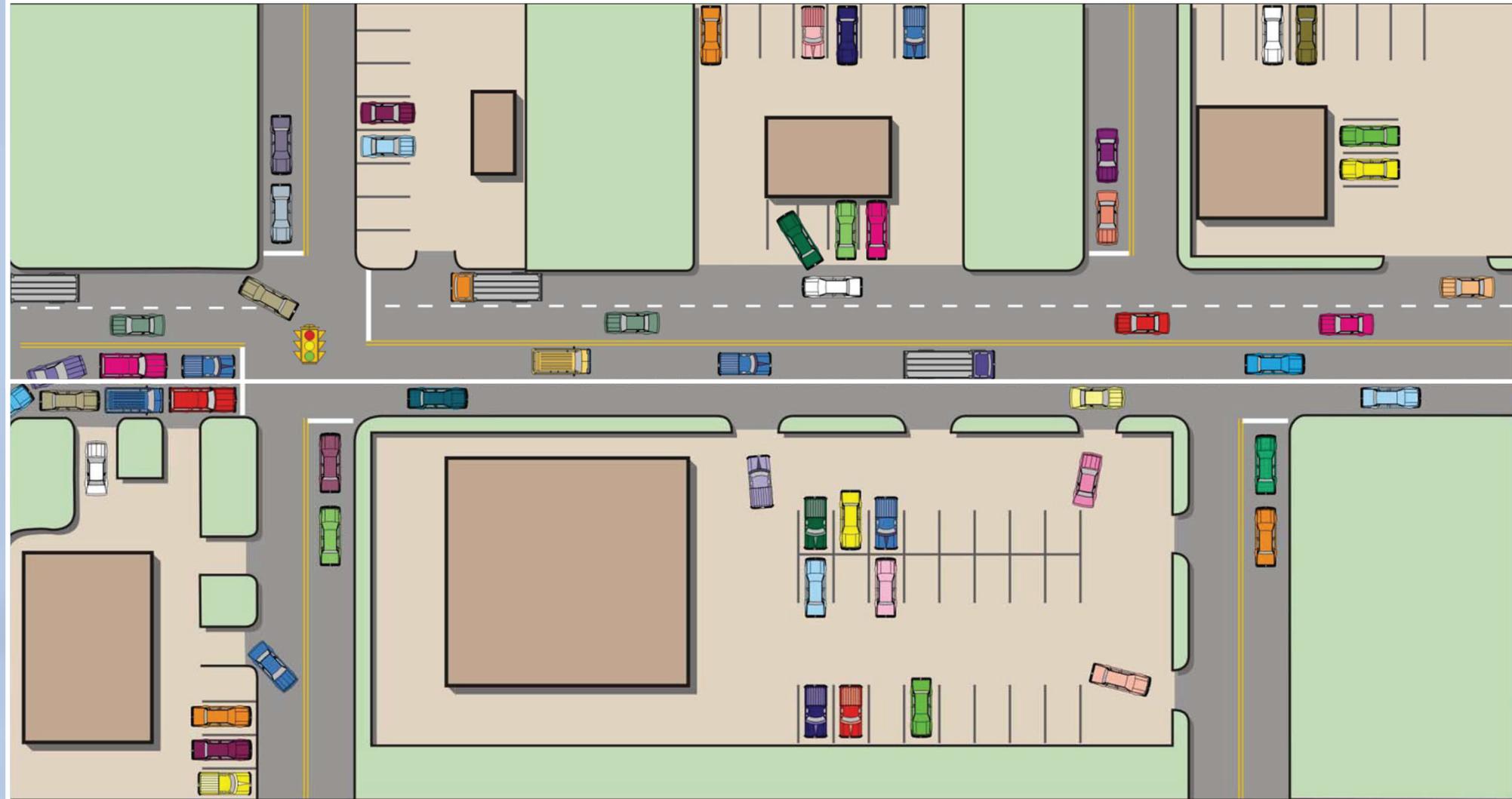
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What is Access Management?

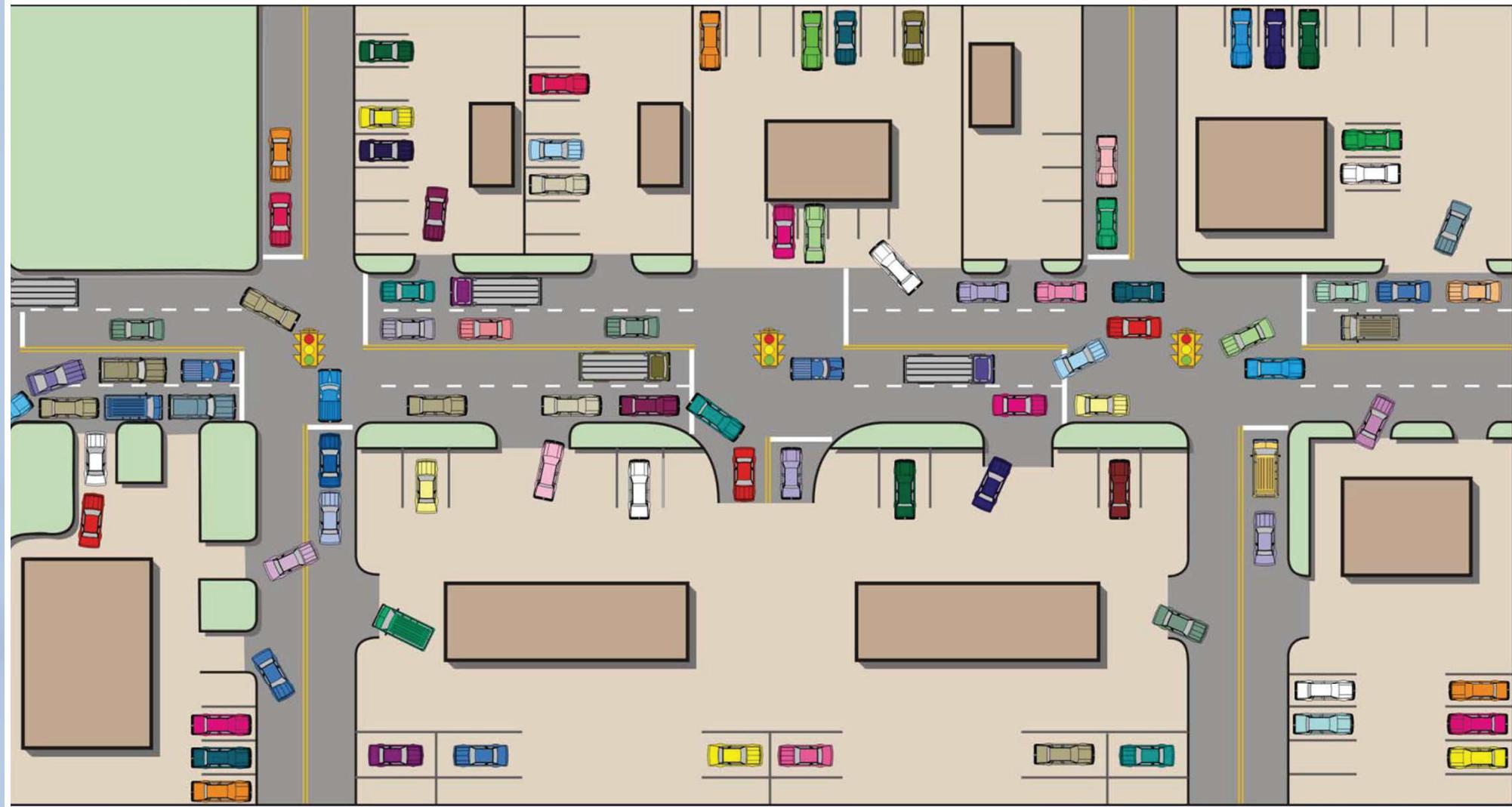
At the beginning...



As traffic increases...



The result without access management...

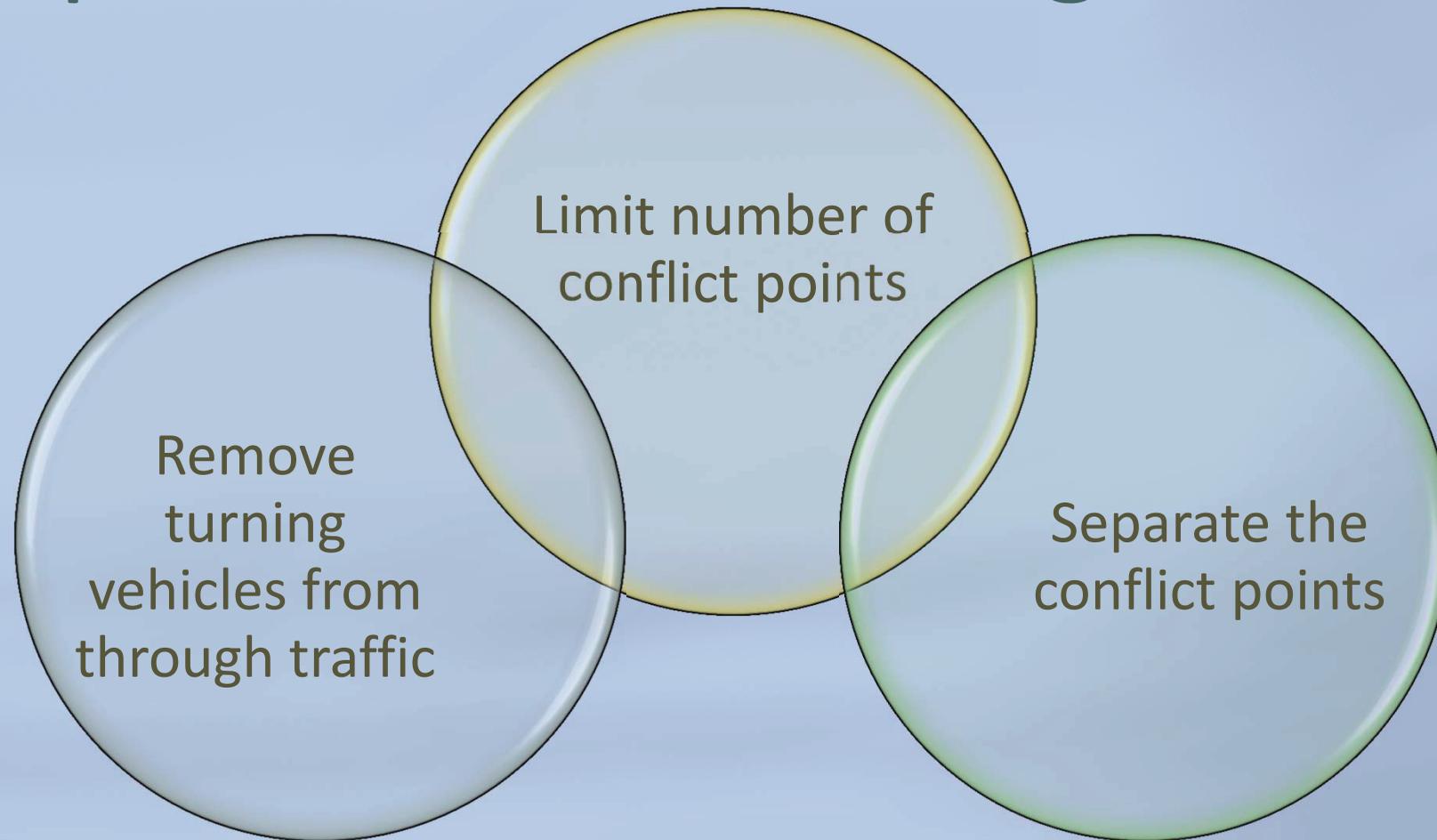


Overview of Presentation

- Access management – What is it?
- Techniques for managing access

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Principles of Access Management

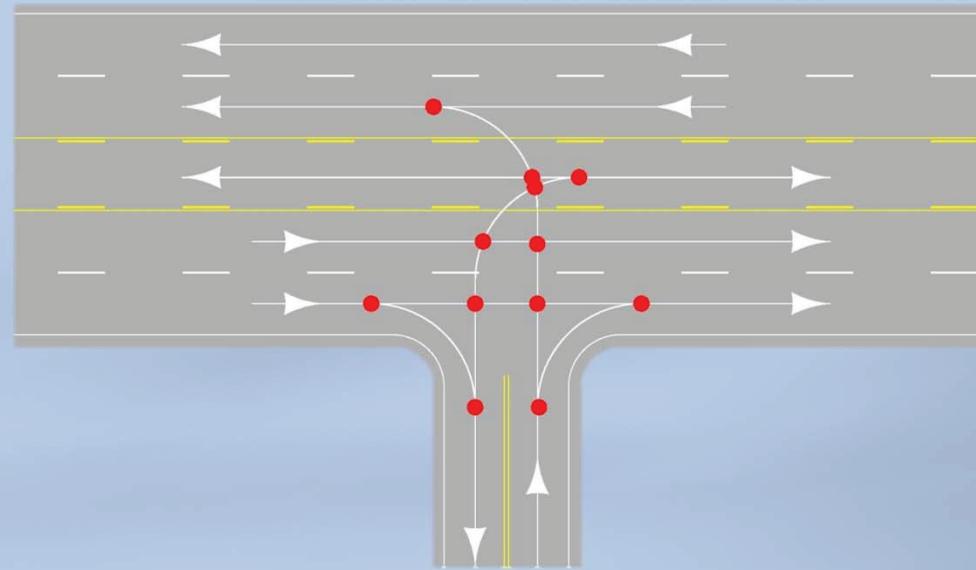


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Techniques for Managing Access

Limiting access points

- Each T-intersection access on a five-lane roadway introduces at least 12 potential conflict points

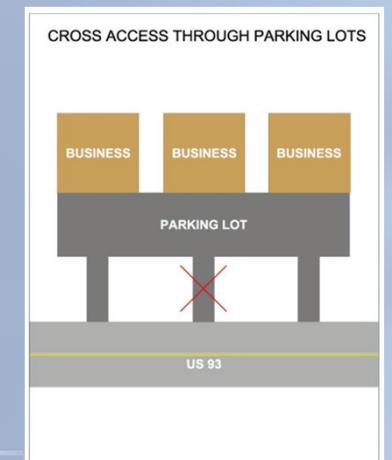
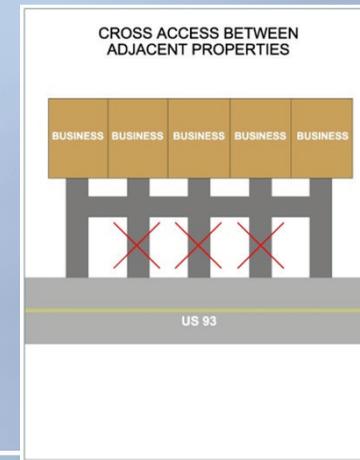
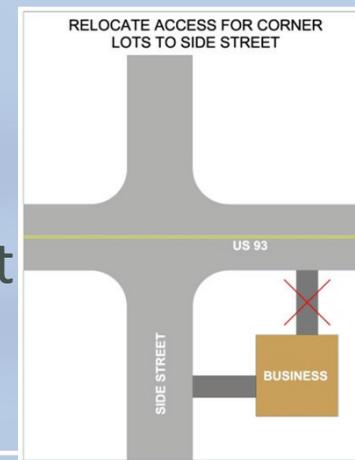
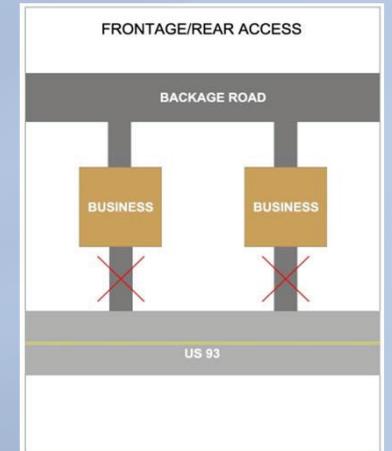
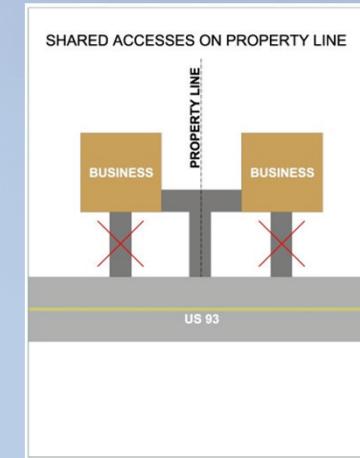
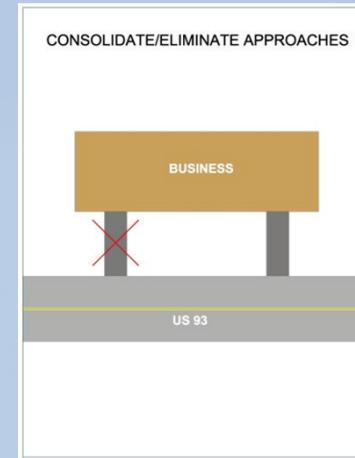


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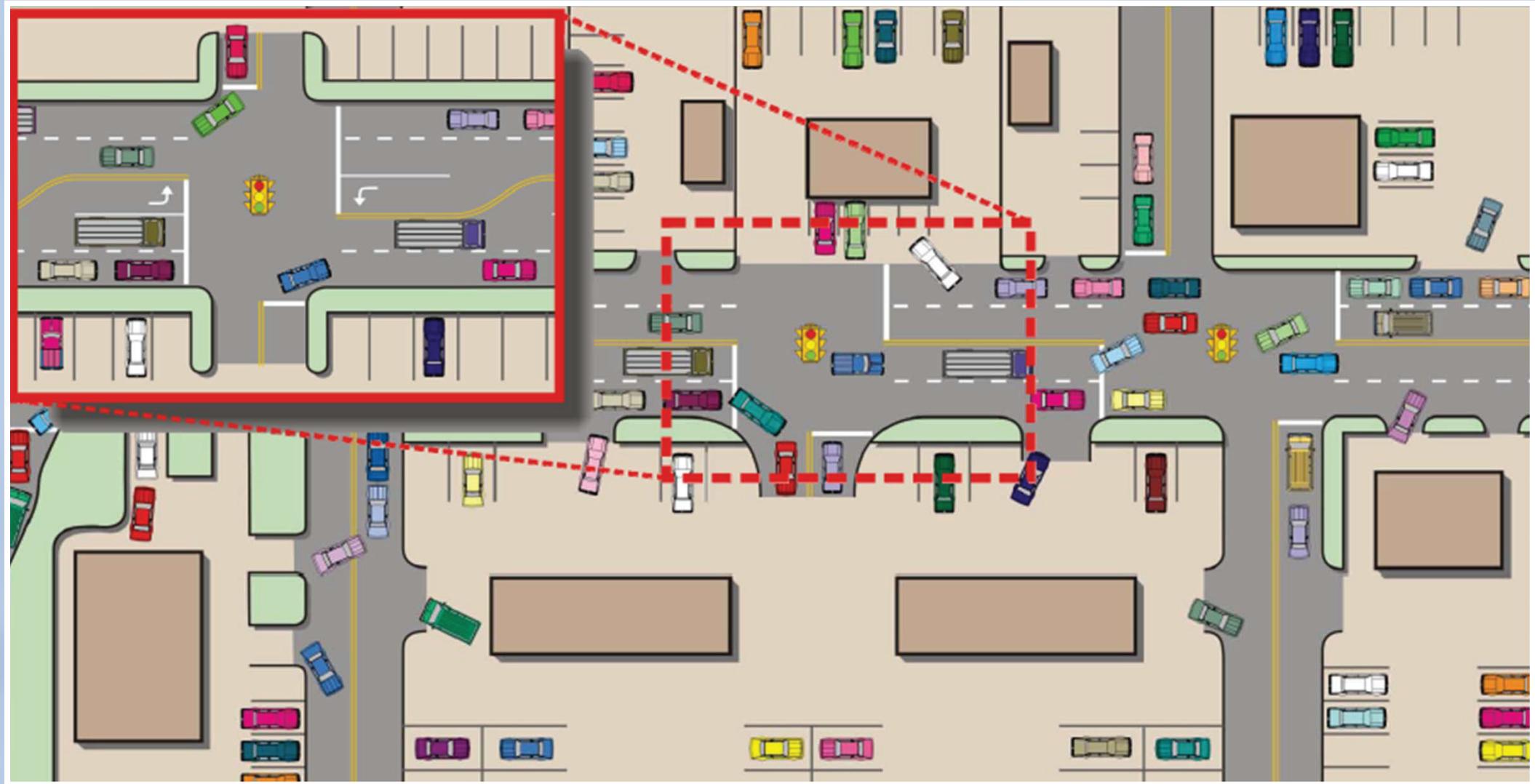
Techniques for managing access

Limiting access points

- Consolidate/eliminate accesses
- Shared accesses on property line
- Frontage road/rear access/access from side street
- Cross access between adjacent properties
- Large lots on highway frontage for new development
- Promote internal access for new development
- Reduce/control driveway turn movements (medians)



Example of reduction of conflict points...



Techniques for managing access

Separate conflict points

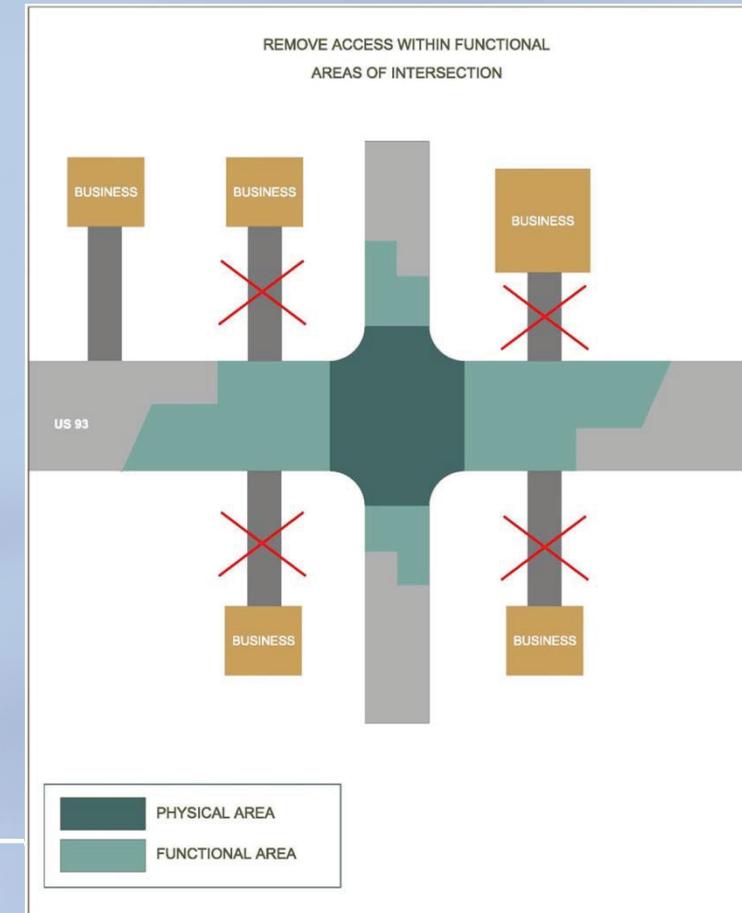
- Maintain access spacing standards
- Offset access from intersections
- Align accesses or provide sufficient spacing for weaving

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Techniques for managing access

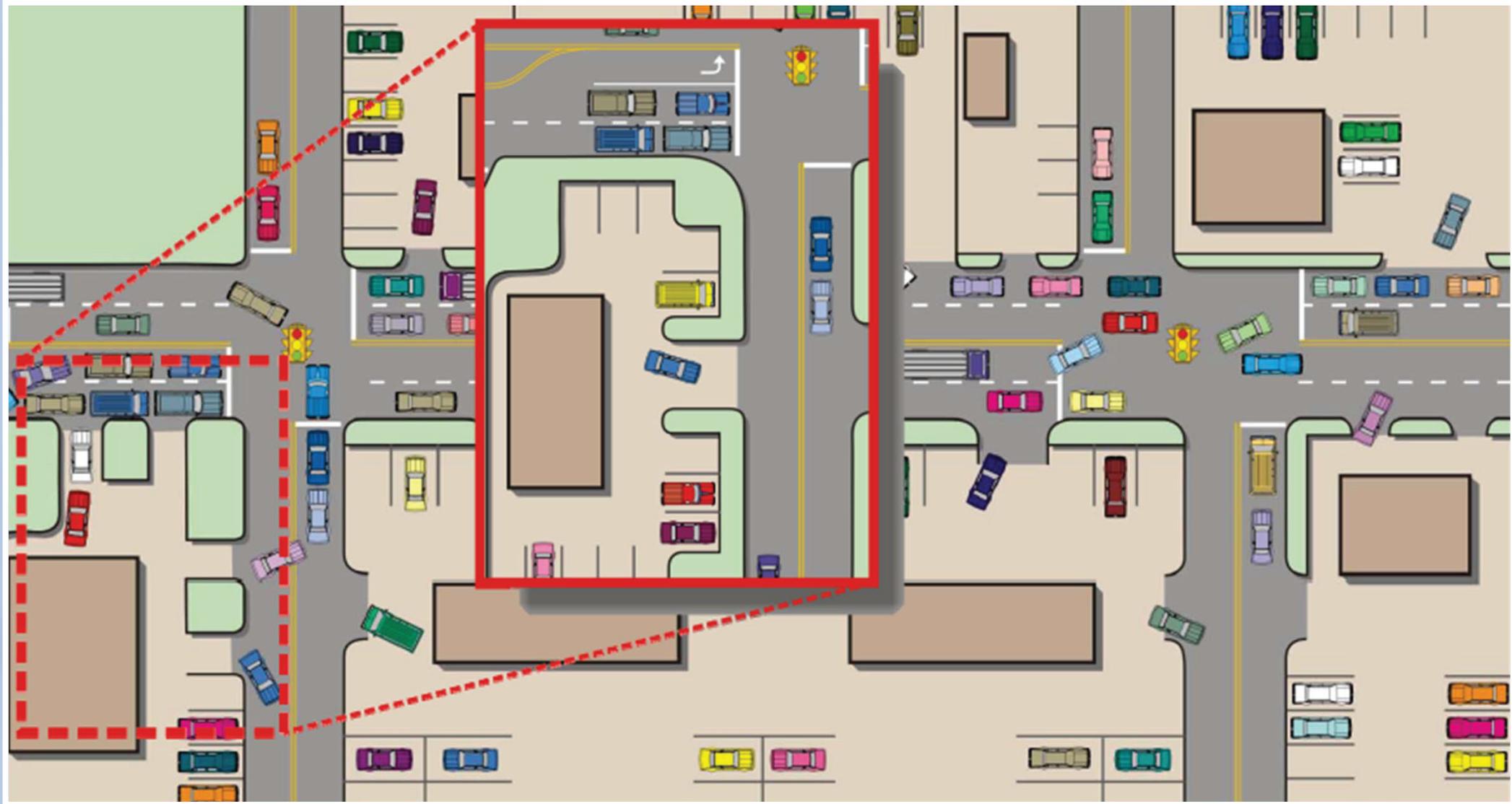
Separate conflict points...access spacing and intersections

		Distance Between Approaches	Approach Width	Curb Cut
		Recommended (Range)	Recommended (Range)	Recommended (Range)
Curbed	Two-way	400 ft (25-500+)	24 ft (24-40 ft)	40 ft (20-50 ft)
	One-way in	400 ft (25-500+)	16 ft (16-30 ft)	
	One-way out	400 ft (25-500+)	16 ft (16-30 ft)	
Uncurbed	Two-way	400 ft (25-500+)	24 ft (24-40 ft)	N/A
	One-way in	400 ft (25-500+)	16 ft (16-30 ft)	
	One-way out	400 ft (25-500+)	16 ft (16-30 ft)	



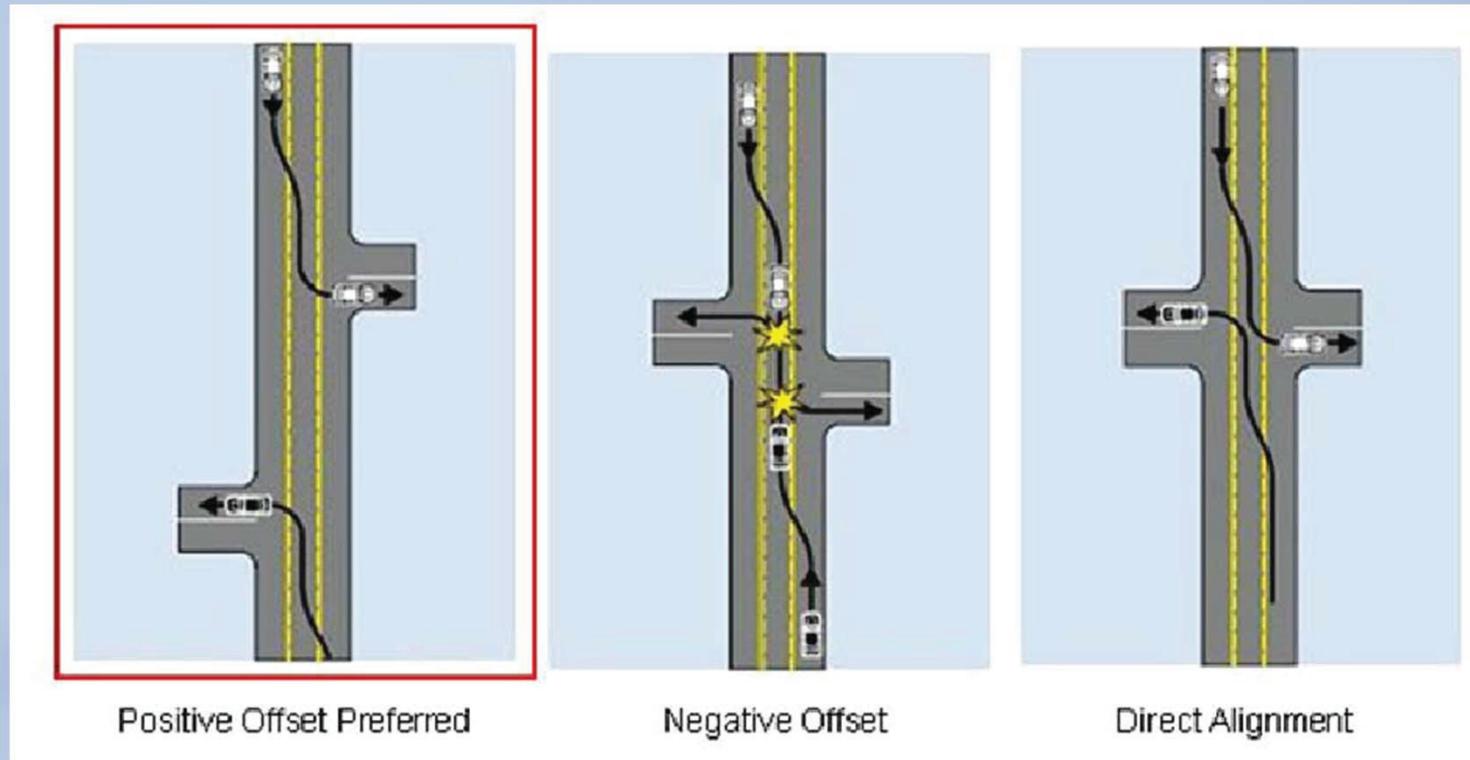
Source: Montana Department of Transportation Approach Manual for Landowners and Developers, 2013

Example of separating conflict points...



Techniques for managing access

Separate conflict points...align accesses



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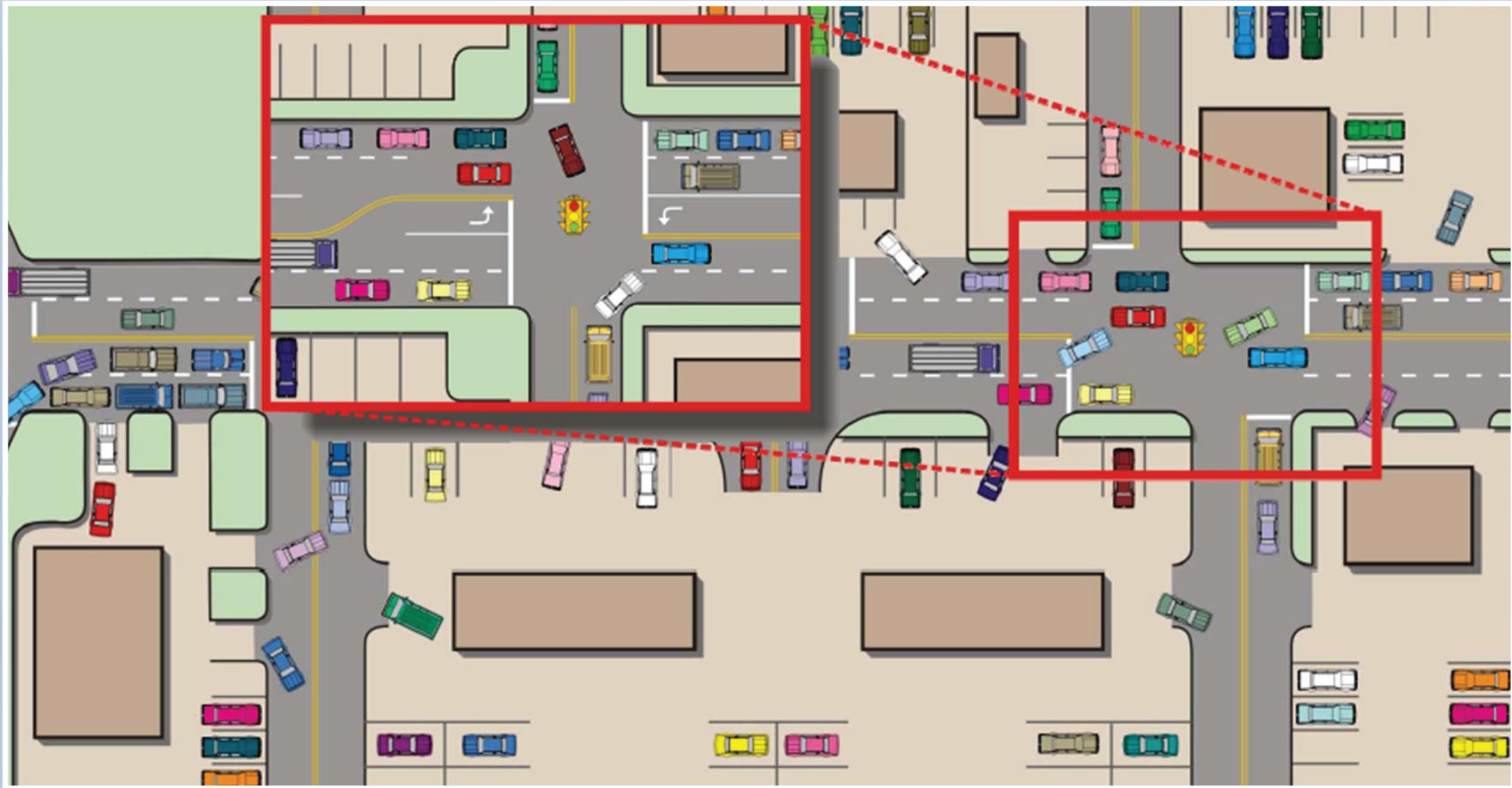
Techniques for managing access

Separate turning movements

- Limit left-turns with raised median
- Provide turn lane to remove turning traffic from through movement
- Roundabouts

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Example of exclusive left-turn lane...



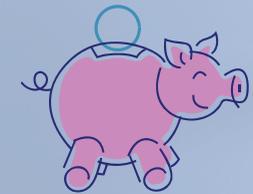
Overview of Presentation

- Access management – What is it?
- Techniques for managing access
- Benefits of access management

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Benefits of Access Management

- **Safety** – reduces crashes
- **Capacity** – improves traffic flow
- **Walking/Biking** – reduces conflicts
- **Aesthetics** – increases potential landscape areas
- **Economic** – preserves investment in infrastructure
- **Environment** – reduces emissions

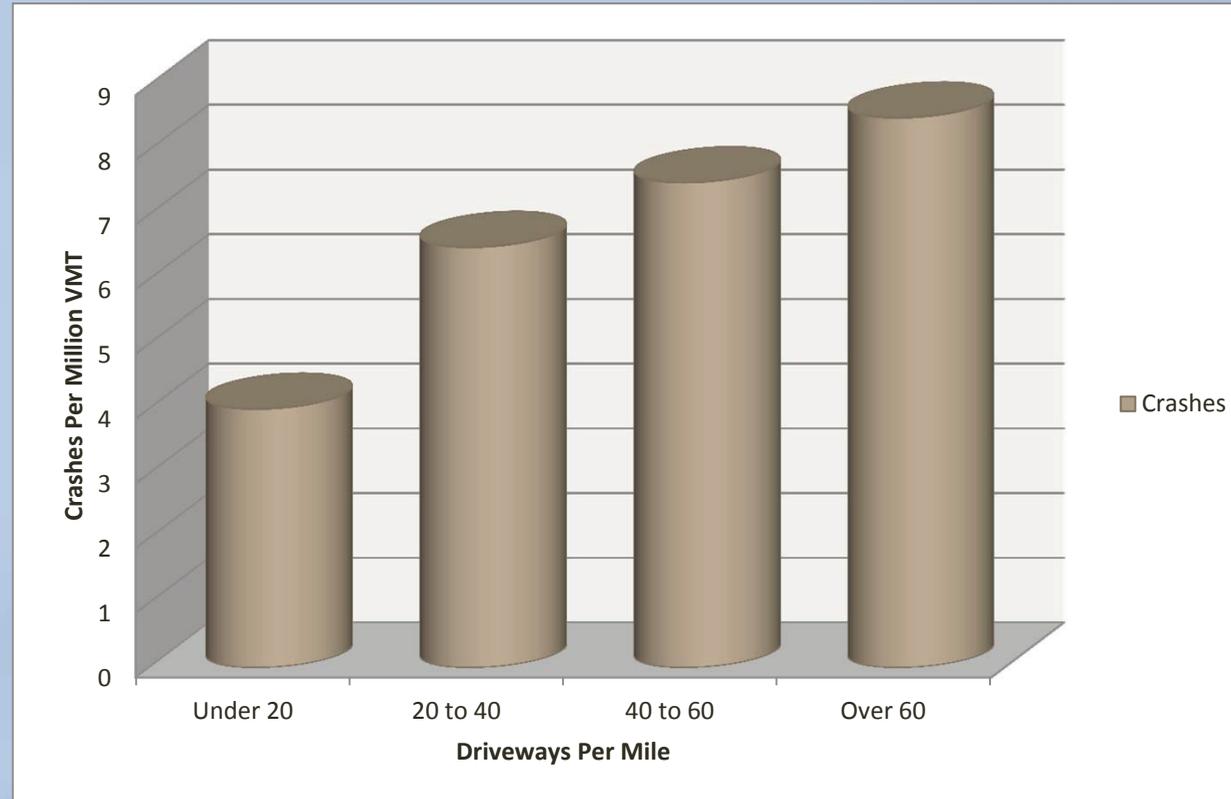


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Key Goal: Increase Safety, Reduce Crashes

Access management can help reduce crash related injuries and property damage

Signals Per Mile	Crashes Per Million VMT
Under 2	3.53
2 to 4	6.89
4 to 6	7.49
6 +	9.11



FHWA: Direct relationship between number of driveways and number of crashes (Urban)

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Key Goal: Increase Capacity

- Can increase capacity 23-45%;
- Decrease delays 40-60% (Source: TRB)

Access points per mile	Reduction in free flow speed, mph (multi-lane)
0	0
10	2.5
20	5
30	7.5
40	10

Reilly, W., et al., Capacity and Service Procedures for Multi-lane Rural and Suburban Highways,. Final Report NCHRP Project 3-33, JHK & Associates and Midwest Research Institute, May 1989.

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Economic Benefits



- 86% of businesses show same amount or increase in sales
- Property values increased
- Positive response from customers and delivery drivers
- Study performed by the Federal Highway Administration:
[http://www.ops.fhwa.dot.gov/publications/amprimer/
access_mgmt_primer.htm](http://www.ops.fhwa.dot.gov/publications/amprimer/access_mgmt_primer.htm)

Source: FHWA, Safe Access Is Good For Business primer

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Implementing Access Management

- Implementation will occur over time based on:
 - Changes in property status as businesses redevelop or expand
 - Local initiatives - partnerships with businesses, City or County
 - Available funding
 - New development
- There are currently no planned state or federal projects or identified funding that would change access in the near future

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Access Management Process

Plan development process:



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What Happens Next?

- Individual landowner contacts
- Collect data
- Develop plan

Stay Involved!

- Attend future public meetings
- Contact the study team
- Visit the study website:

<http://www.mdt.mt.gov/pubinvolve/hamiltonaccess/>

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The logo for the Hamilton Access Committee (HAC) consists of the letters 'HAC' in a large, white, bold, sans-serif font with a slight shadow effect, set against a light blue background.

Questions??

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