Study Purpose

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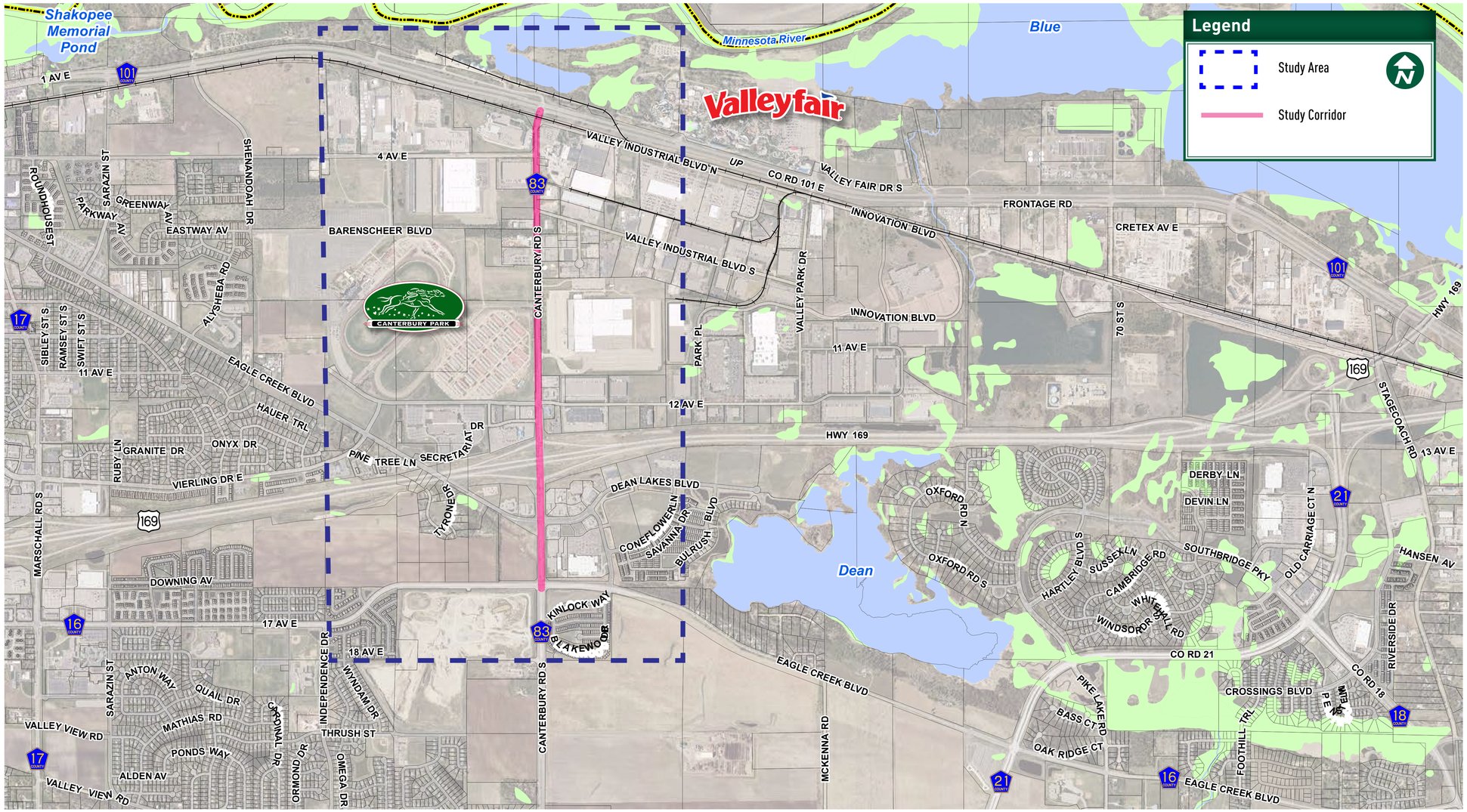
Identify a vision for improvements on and near County Highway (CH) 83 (Canterbury Road) to support safe and efficient operations and economic growth.



Goals:

- Understand existing and future traffic demands
- Identify improvements to accommodate growth
- Develop blueprint for future access
- Identify implementation plan and funding opportunities

CH 83 (Canterbury Road)

Corridor Readiness Study

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Growth Areas

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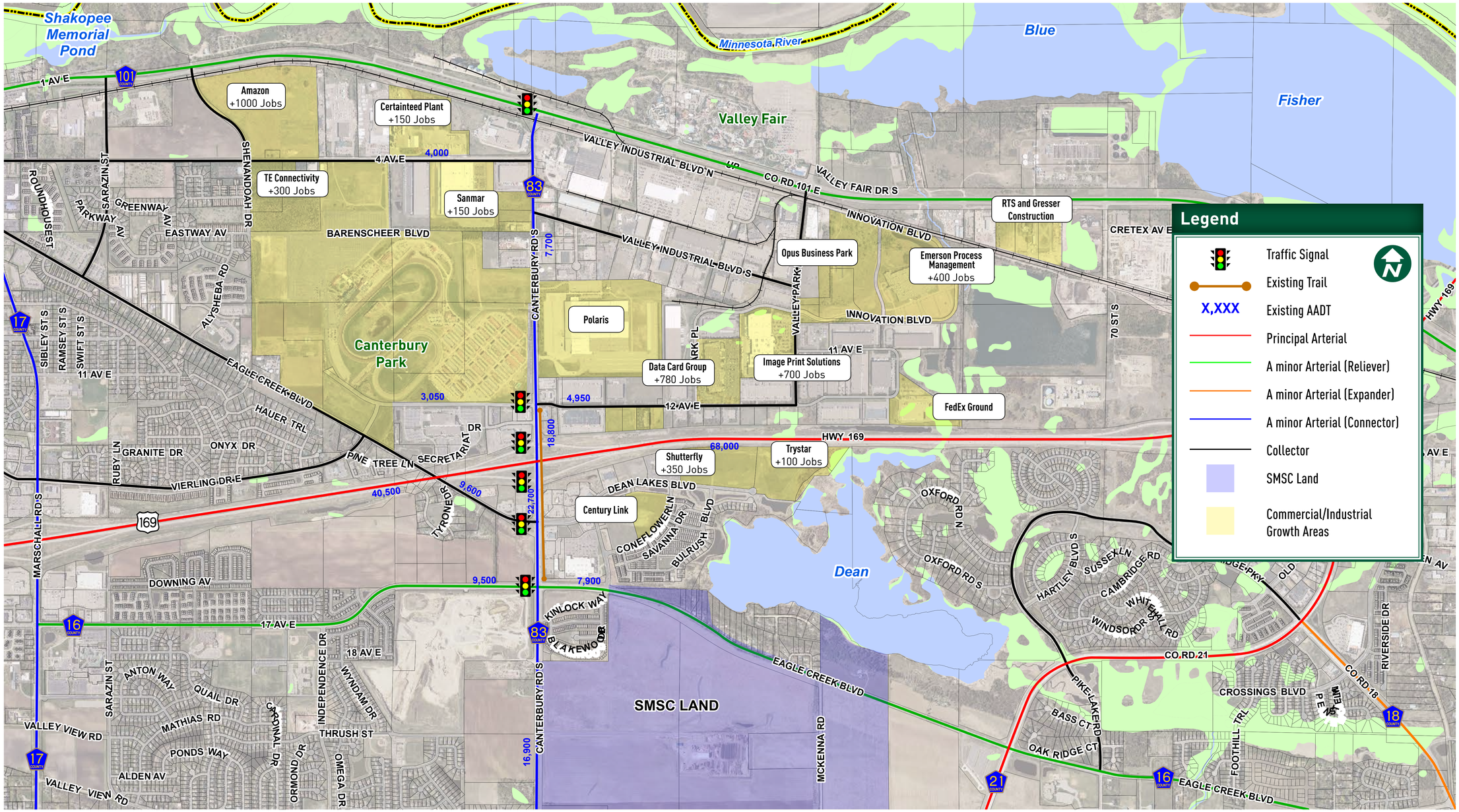

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Traffic Operations

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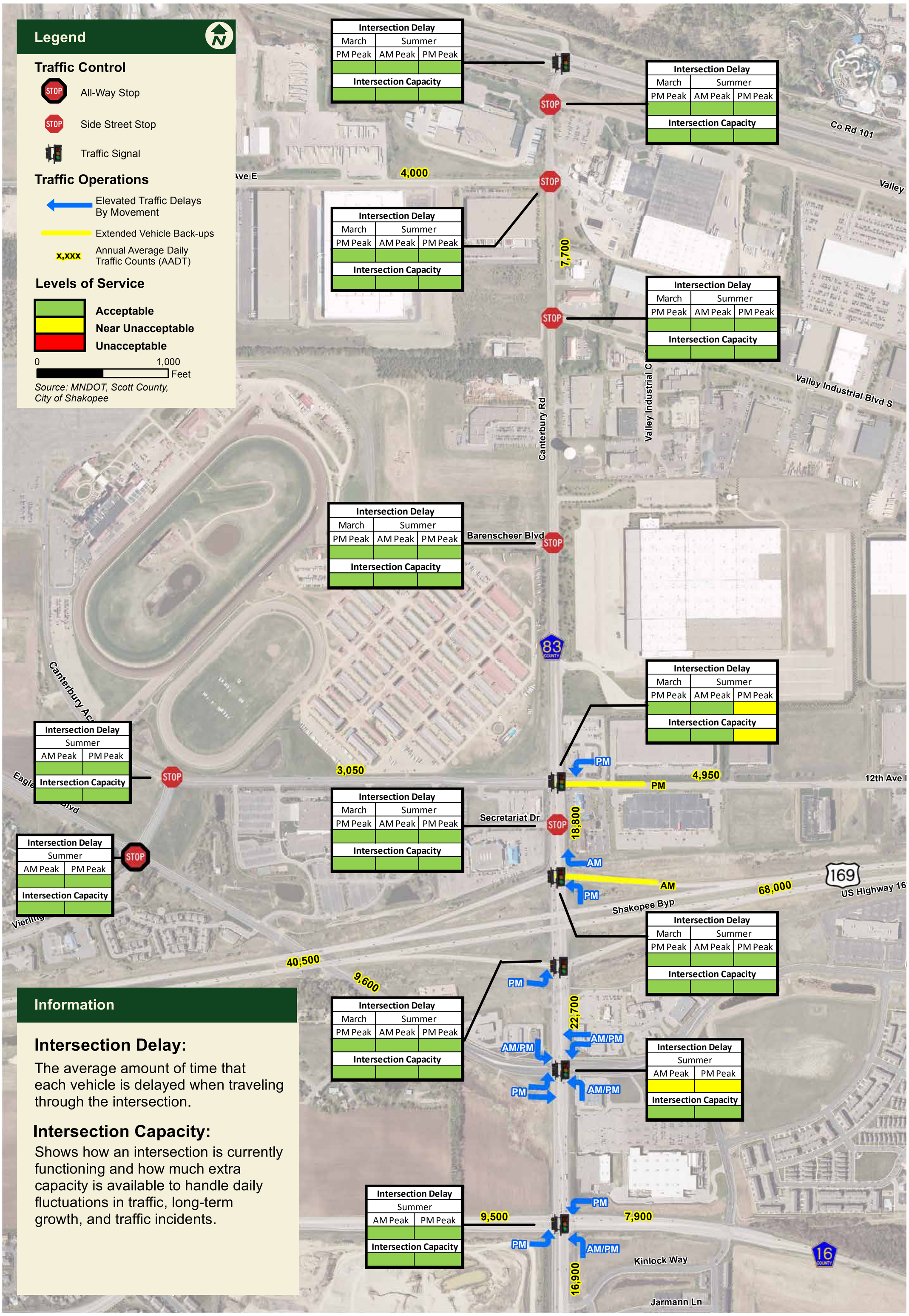

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Crash History

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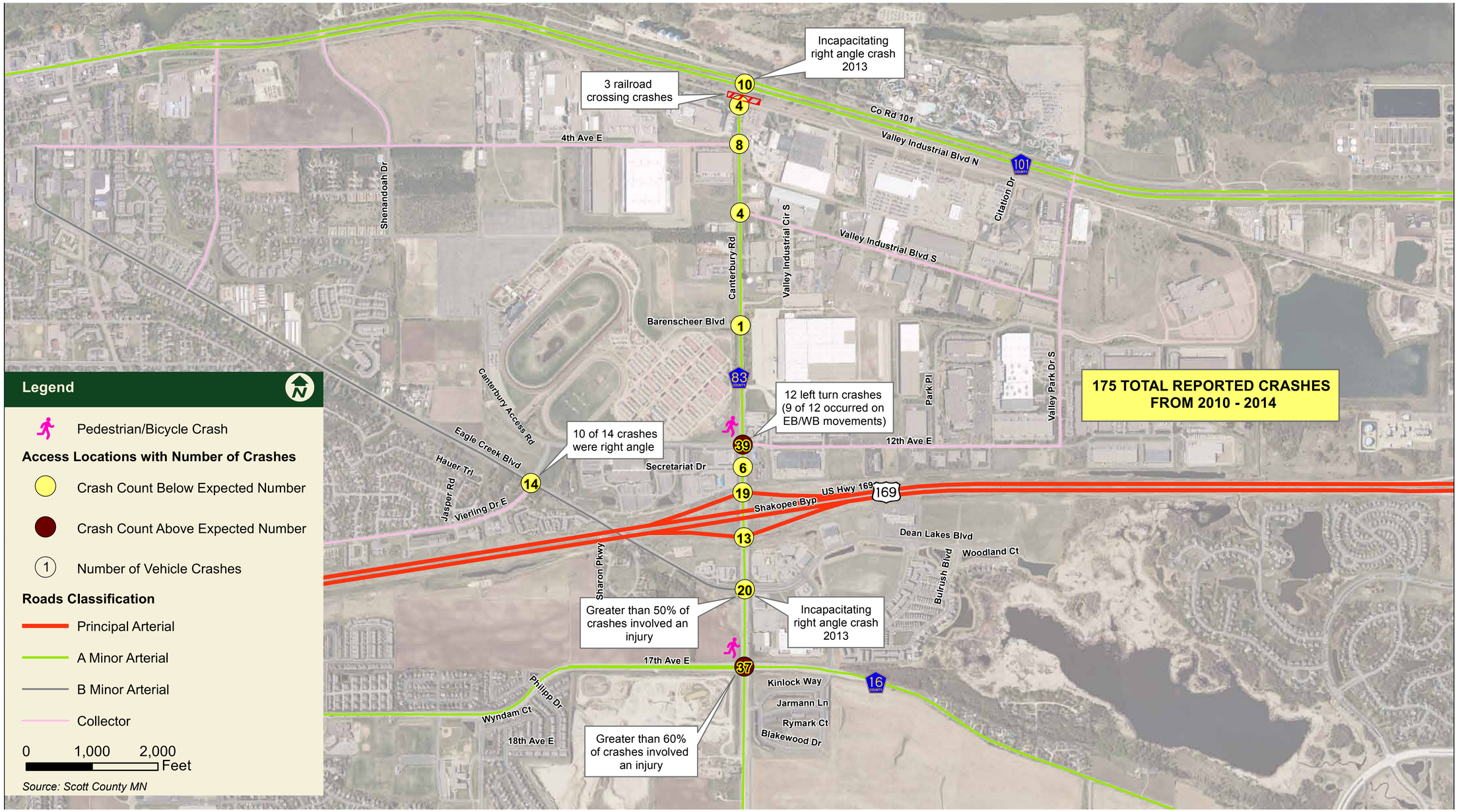

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Existing Access Inventory

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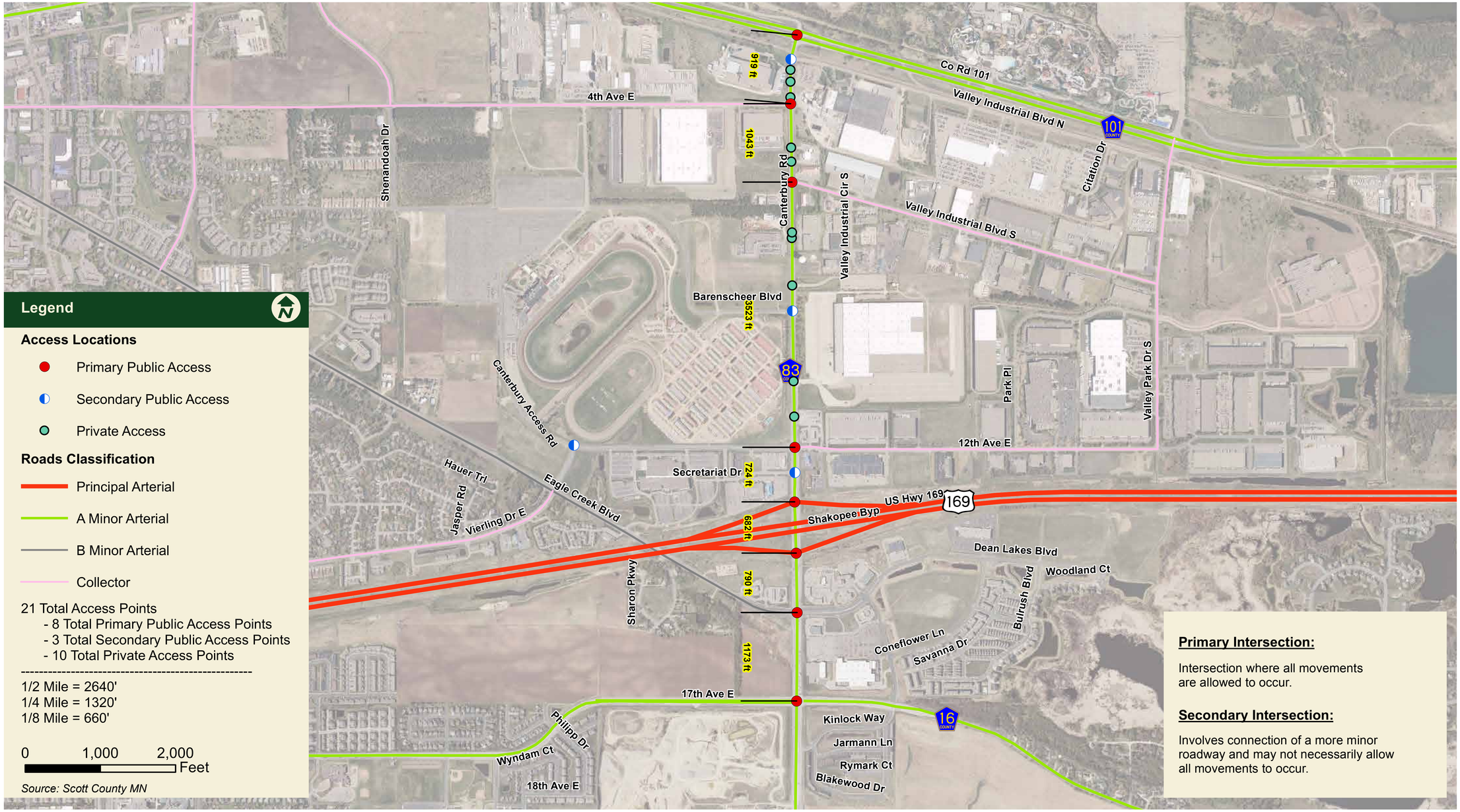

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Access Management

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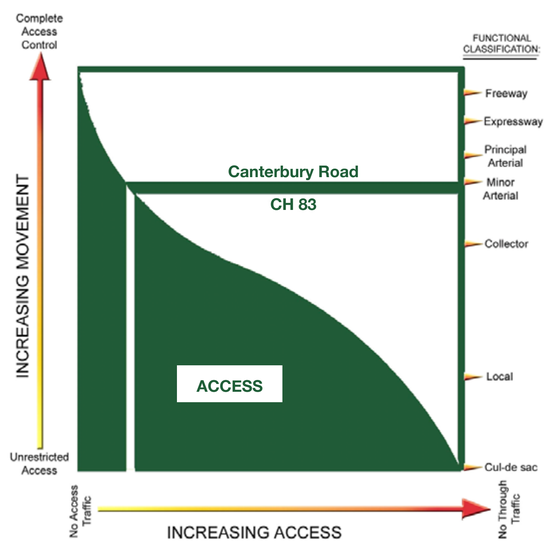
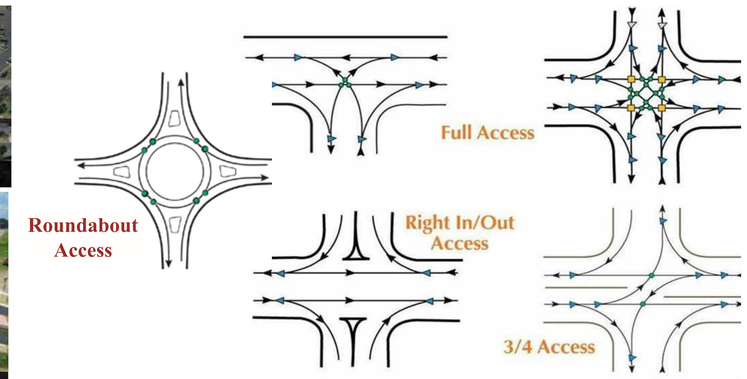
What is Access Management

- The planning and control of the location, spacing, design, and operation of driveways, median openings and street connections to a roadway
- Designates where and how vehicles enter and exit
- Helps protect public investment in roadways and improve public safety
  - Preserves mobility
  - Reduces delay
  - Minimizes crash problems

Roadway Mobility/Access Relationship



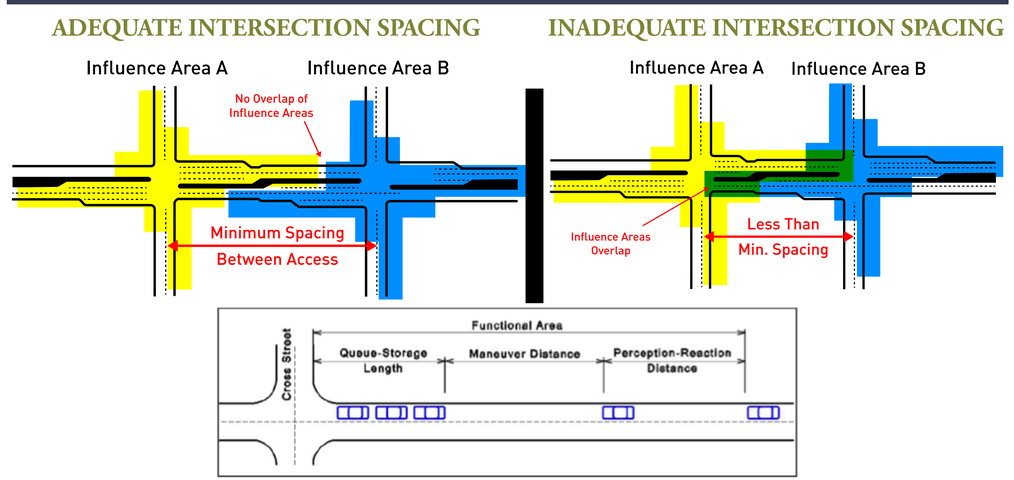
Access Conflict Points and Connection Safety

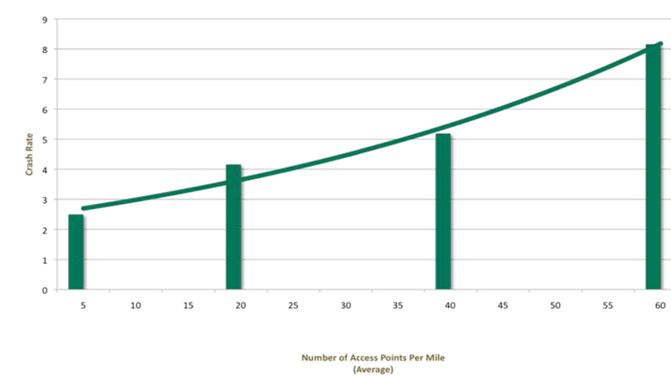


	Crossing	Turning	Merge/ Diverge	Total	Typical Crash Rate (crashes per mil entering vehicles)
Full Access +	4	12	16	32	0.3 (1)
Full Access I	0	3	6	9	0.3 (2)
3/4	0	2	8	10	0.2 (3)
Right In/Out Access	0	0	4	4	0.1 (3)
Roundabout	0	0	8	8	0.2 (2)

Source: MnDOT Traffic Safety Fundamentals Handbook (August 2008)

Functional Intersection Design





Source: MnDOT Traffic Safety Fundamentals Handbook (August 2008)

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