




Access Management in Iowa – Applying the latest IADOT Access Management Manual

IOWA DOT
PERY
BOLTON & MENK
Real People. Real Solutions.

Presented by
 Leilah Armstrong
 Sven Peterson
 Jennifer McCoy



IOWA DOT

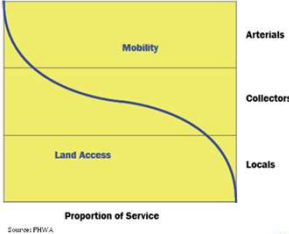
“Access management is the coordinated planning, regulation, and design of access between roadways and adjacent land.”

19th Access Management Manual, 2014

Building an Access Management Program for Iowa

Why Access Management Matters

Enhanced Road Safety Fewer crash risks	Improved Traffic Flow Smoother, less congested traffic
Infrastructure Preservation Extends road lifespan	Environmental Benefits Reduced emissions



Proportion of Service

Source: PERI

Slide 3

KM1 Kelly to revise layout
Kelly Meyers, 2025-09-16T20:16:02.280

Safety Benefits of Access Management

Access-Related Crash Impact
41% crash rate

Access Management Strategies
Reduce crash rates by up to 31% on various roads

Pedestrian Safety Enhancements
Restrictive medians improve safety

KMI

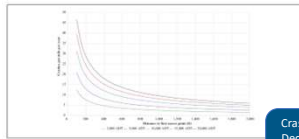


Figure 5. Crashes per mile per year versus distance from access.

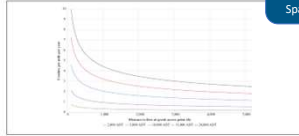


Figure 6. Crashes per mile per year versus distance from access.

Crash Risk
Decreases
with More
Spacing



Safety Benefits of Access Management

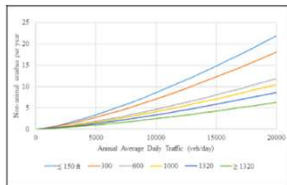


Figure 3. Crashes per mile per year by access spacing and annual average daily traffic on multilane highways.

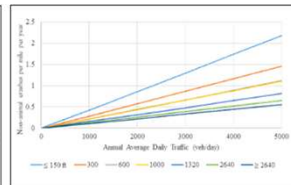


Figure 4. Crashes per mile per year by access spacing and annual average daily traffic on two-lane highways.



Iowa Access Management Manual

Iowa's first detailed guide on access management

Published in November 2022

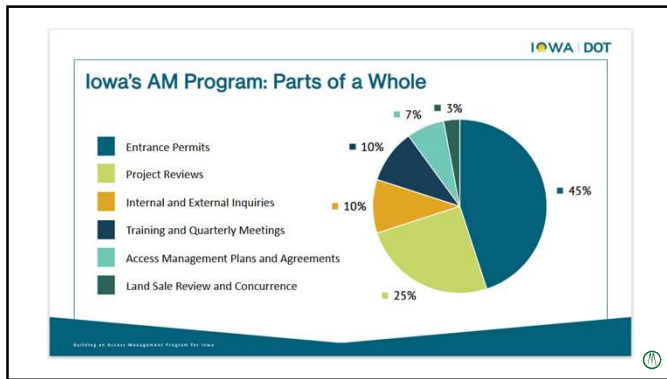
Iowa DOT regulates road access

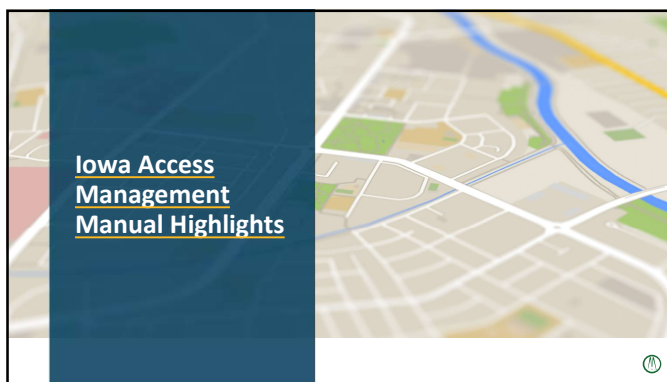


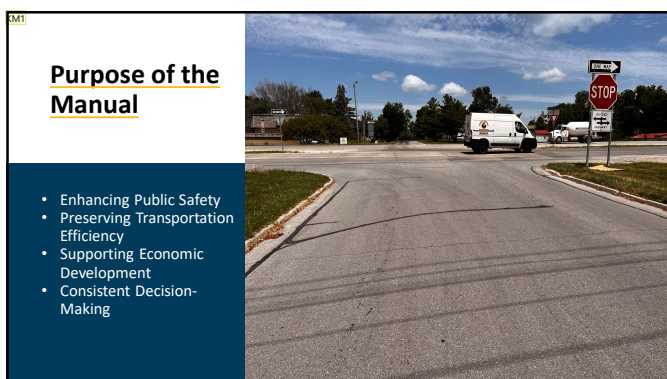
Slide 4

KM1 [@Jennifer McCoy] - I found this in the manual but the quality isn't high enough to use here. Open to other suggestions!

Kelly Meyers, 2025-09-19T19:51:43.055







Slide 9

KM1 Image of truck turning into big box store


Kelly Meyers, 2025-09-16T20:21:29.464

KM1 0 Focus is safety of the traveling public, but also suppose economic development

Kelly Meyers, 2025-09-16T20:21:57.835

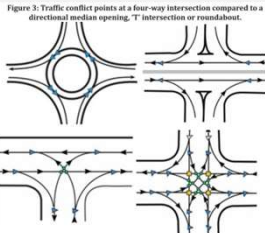
The Manual Covers

- Access Classification System
- Location & Design Standards
- Permitting & Administration
- Crash Data & Safety Studies
- Economic & Operational Impacts
- Access Management Plans (AMPs)



Key Principles & Tools

Figure 3: Traffic conflict points at a four-way intersection compared to a directional median opening, "T" intersection or roundabout.



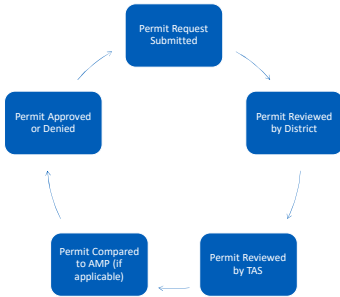
Adapted from the Minnesota DOT Traffic Safety Fundamentals Handbook - 2008

Limiting the number of conflicts (accesses)

Separating potential conflict points

Removing or minimizing turning vehicles and queues from through traffic movements

Regulatory Authority & Implementation Framework



Slide 10

KM1 Same as previous slide
Kelly Meyers, 2025-09-16T20:23:19.121

Slide 11

KM1 Add image - Conflict Point [@Jennifer McCoy]
Kelly Meyers, 2025-09-16T20:25:27.663

GU1 0 done
Guest User, 2025-09-22T20:29:14.211



**Access
Management
Plan (AMP)
Benefits**



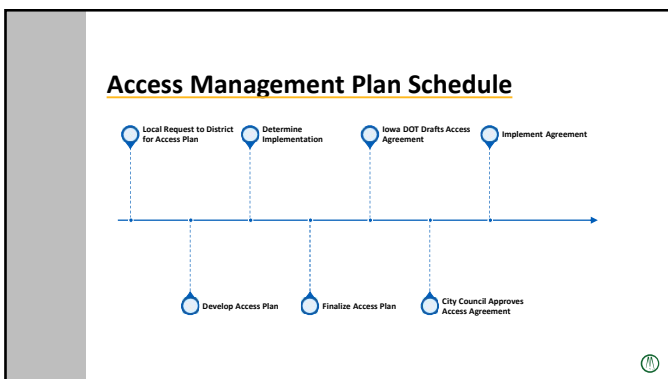
Provides a map to guide day-to-day decisions made by city



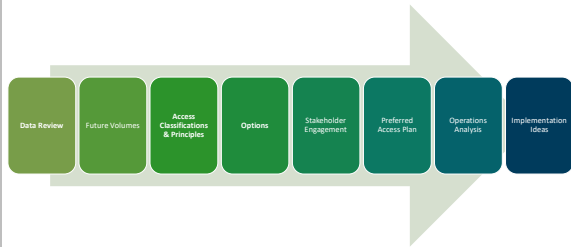
Creates predictable long-range planning for future connections



Gives property owners, developers, and businesses greater clarity of location and access types allowed



What's in an Access Management Plan?

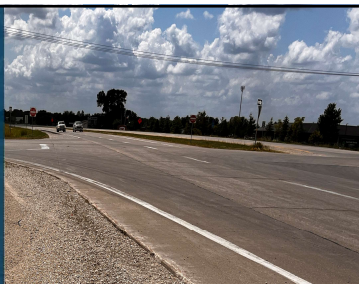


Application of Access Management Principles

Limiting Number of Accesses	Separating Conflict Points	Geometrics
<ul style="list-style-type: none"> What can be combined What can be closed Median Changes 	<ul style="list-style-type: none"> Applying Access Classifications Ability to install backage road Alternative Intersections 	<ul style="list-style-type: none"> Remove turning vehicles/ install turn lanes Sight Distance Improvements

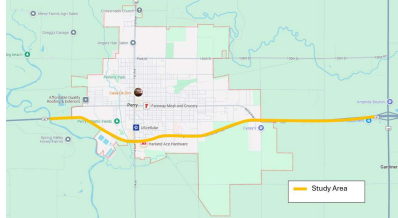
Community Perspective: Local Needs & Concerns

Developing an Access Management Plan (AMP)



Perry Highway 141 Access Management Plan

- Continued growth and expansion along both sides of Hwy 141
- Issues due to existing driveway and public street spacing, lack of turn lanes, high speeds, and mix of land uses



Corridor History



Existing Conditions

- Examined 20 existing intersections along Hwy 141
- Identified existing issues
- Estimated traffic changes with anticipated growth



Slide 20

KM1 [@Jennifer McCoy] - do you recall where they wanted this slide, and what we should title it?

Kelly Meyers, 2025-09-19T15:05:35.402

JM1 0 In Sven's section


Jennifer McCoy, 2025-09-19T16:15:53.686

KM1 1 Okay, then I think this spot should work!

Kelly Meyers, 2025-09-19T19:29:12.901

Existing Conditions

- Provided options for access changes
- Gathered Stakeholder Input
 - Residents & Council



Community Engagement & Feedback

- Focused on property owners along both sides of Hwy 141
- Offered different access options for full vs. partial access
- Listened to concerns over existing access issues, lack of turn lanes, high speeds, poor working signals, and trucks at Willis Ave

Highway 141 Access Plan

You're invited!

The City of Perry and the Iowa DOT have been working together to develop a plan for driveways and access on Highway 141 in Perry to support existing and future growth in the city. As a property along the corridor, you're invited to provide your input on different access options at our Open House.


Can't make it?

If you cannot attend but would like more information, please contact:


Jennifer McCoy, PE
Project Manager
jennifer.mccoy@bolton-menk.com
515-491-0632

December 19, 2024
4:00 pm - 6:00 pm
Dallas Co Hospital Community Room
(610 10th St, Perry, IA 50228)

Please enter the hospital through the south main entrance and proceed to the receptionist for a "visitor badge". Take the elevator down to the ground floor.



Real-world Examples of Local Priorities



Lessons Learned: Stakeholder Coordination

Important to explain
"grandfathering", no projects
planned right now

Open house focused on
property owners along corridor

Broaden conversation to
include those who travel the
roadway regularly

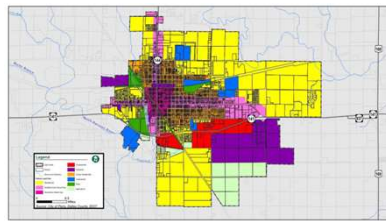


Lessons Learned: Growth Scenario

Understand Comprehensive
Plan Changes

Estimate Trips using FAR, MPO,
and similar sites

Include Growth Areas outside
corridor






Collaboration & Next Steps

- Implementation of Future Improvements
- Funding and Future Developments
- Encourage Ongoing Dialogue

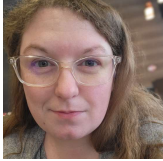


Thank You!


Questions?



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