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Dakota County Planning Commission Update on Dakota County 2040 Transportation Plan

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Dakota County Planning Commission Meeting
September 26, 2019

Meeting Purpose



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- Common starting point
- Review each Plan Goal
 - Overview of significant activities, considerations, trends
 - Suggestions for substantive changes
 - Discussion
- Future Planning Commission Meetings
 - Identified +/- 3 meetings
 - Share findings, public participation results, gain input on proposed recommendations



Purpose of Transportation Plan



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- Provides for the safe and efficient movement of people and goods
- Provides transportation definition and guidance
- Identifies County transportation priorities
- Identifies goals, performance measures, strategies and policies that direct specific transportation investments within the County's Transportation Capital Improvement Program

Dakota County Transportation System



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- 413 miles of County Highways
 - Rural gravel to 6-lane expressways
- 80 bridges
- 177 traffic signals
- Multi-use trails
- Partner with MnDOT on Trunk Highways
- Partner with providers on transit.

Background



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- 2030 Plan has provided a solid basis for investment
- The County transportation system is in good condition
- Transportation technology a growing consideration
- County transportation revenues have increased substantially, other agencies have not kept pace
- Traffic growth less than anticipated in 2030 Plan
- Expansion demand from cities trending down
- Trunk Highways remain a concern

Residential Survey Findings

- High Ratings for:
 - Condition of County roads
 - Availability of bike and pedestrian options
 - Quality of snow and ice services
- Concerns with congestion have diminished
- Public transportation not identified as a top concern
- Website used for highway construction projects

Transportation Plan Principles



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Principles apply to all Plan goals, transportation system development and operations:

2040 Comprehensive Plan Guiding Principles

- Sustainability
- Connectedness
- Collaboration
- Economic Vitality
- Growing and Nurturing People

2030 Transportation Specific Principles

- Transportation Safety and Standards
- Transportation Planning
- Social, Economic and Environmental Impacts (SEE)
- Public and Agency Involvement
- Context-Sensitive Design and Complete Streets
- Proposed - Transportation Technology

Transportation Plan Investment Goals



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1. Limited Resources are Directed to the Highest Priority Needs of the Transportation System
2. Transit and Integration of Transportation Modes
3. Preservation of the Existing System
4. Management to Increase Transportation System Efficiency, Improve Safety and Maximize Existing Highway Capacity
5. Replace Deficient Elements of the System
6. Improvement and Expansion of Transportation Corridors

Goal 1: Resources



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Limited Resources are Directed to the Highest Priority Needs of the Transportation System

Activities

- Investment needs and priorities
- Transportation funding
- Capital Improvement Program
- Staff resources

Goal 1: Resources

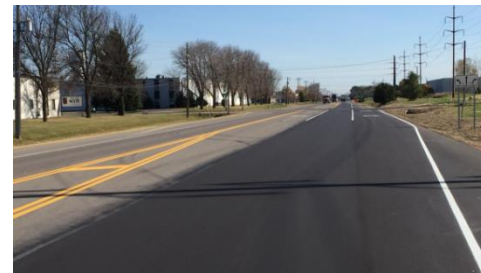
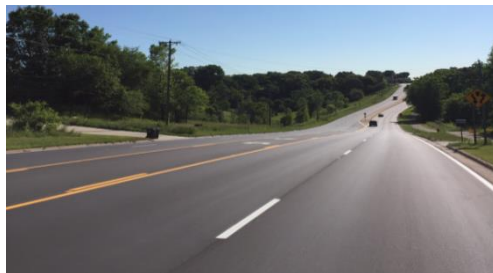


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Update Discussion Topics

- County highway need vs revenue approach
- City cost participation
- County role in Trunk Highway and transit investments?
- Options to best utilize revenues

Other discussion topics?



Goal 2: Transit and Transportation Modes



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Transit and Integration of Transportation Modes

Activities

- Integrated into the 2030 Transportation Plan
- Transitway planning
- Collaboration with transit partners for service enhancement
- Meeting the needs of transit dependent population
- Bicycle and pedestrian facilities

Goal 2: Transit and Transportation Modes



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Update Discussion Topics

- County transit vision
 - Providers: Explore fixed route service enhancements
 - Focus on implementation
 - Explore Robert Street transitway
 - GoDakota: Explore specialty and service coordination
 - Explore suburban transit model options
 - On demand, shared mobility, loops, technology, etc.
- Increased focus on bicycle and pedestrian modes
- Integrate this Goal into other plan Goals

Other Discussion Topics?

Goal 3: Preservation



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Preservation of the Existing System

Activities

- Highway surface evaluation and pavement management
- Gravel surface maintenance
- Bridge rehabilitation
- Pavement markings, signs and traffic signals
- Bicycle trail maintenance

Goal 3: Preservation



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Update Discussion Topics

- Maximize investment to defer replacement
- Discuss highway trail maintenance cost sharing
- Uniform comprehensive city maintenance agreements

Other discussion topics?



Goal 4: Management



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Management to Increase Transportation System Efficiency, Improve Safety and Maximize Existing Highway Capacity

Activities

- Traffic control and safety improvements
- Access management
- 10-ton highways
- Jurisdictional and functional classification
- Contiguous Plat Ordinance
- Right of Way permitting

Goal 4: Management



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Update Discussion Topics

- Maximize investment to maximize safety and defer expansion
- Identify highway trail and sidewalk gap and crossing investment needs
 - County highway and greenway crossings
- Update turnback and 10-ton highways
- Update and integration of Plat Needs Map



Other discussion topics?

Goal 5: Replace



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Replace Deficient Elements of the System

Activities

- Highway replacement and reconstruction
- Bridge replacement
- Gravel road paving
- Traffic signal replacement

Goal 5: Replace



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Update Discussion Topics

- 6 to 8 miles of highway replacement per
 - Increasing need in cities
- Traffic signal replacement increasing
- Increased trail replacement
- Limited bridge replacement needs

Other discussion topics?



Goal 6: Improvement and Expansion



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Improvement and Expansion of Transportation Corridors

Activities

- Work with other agencies to minimize or mitigate expansion needs
- Coordinate improvements with development
- Conduct transportation studies to determine needs

Goal 6: Improvement and Expansion



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Residential Survey

Highways that Need the Most Improvements

Top Highways with Safety Needs

Hwy 3

Hwy 52

I-35

Hwy 13

Cty Rd
42

Top Highways with Congestion Needs

Cty Rd
42

I-35

Cedar/
Hwy 77

Hwy 13

Hwy 52

Goal 6: Improvement and Expansion



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Update Discussion Topics

- Travel demand model update will identify
 - Anticipated highway capacity needs
 - Interchange needs
 - Expect 2040 similar to 2030 Plan
- Add transit expansion/enhancements to Goal
- Consider capacity for transit and Trunk Highway investments

Other discussion topics?



Key Takeaways & Summary



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Suggested Plan Revisions/Focus Areas

- New transportation technology principle
- Revisit city cost share policies
 - Reconstruction
 - Trail maintenance
 - Intersection lighting for safety (signals)
- Focus on suburban scale transit opportunities
- Explore interest in Robert Street (Arterial BRT)
- Integrate Transit and Modes into other Plan goals

Key Takeaways & Summary



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Suggested Plan Revisions/Focus Areas

- Identify highway trail and sidewalk gaps and barrier investment needs
- Update jurisdictional turnbacks
- Replacement needs growing, city focus
 - Highways
 - Traffic signals
- Explore transit and Trunk Highway investment and potential cost share approaches
- Review all principles, policies, and strategies

Next Steps



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Public & Agency Engagement

- Cross department steering group
- Public Engagement Consultant
 - Engage public through webpage, social media, pop-up/public-intercept events, surveys, focus groups, virtual/online open house and public open house
 - Engage underrepresented communities including people of color, renters, younger people and transit users
 - Provide documentation of the public engagement process, input received and outcomes
- County Staff
 - Engage cities, townships, school districts and chambers of commerce
- Three agency staff working groups
 - County Highways
 - Transit
 - Trunk Highways

Next Steps



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Schedule

Assessment and Data Collection	
County Board update	January PDC
Hire consultants	March & Q3 2019
Model and plan review	Q2, 2019
County Board Workshop	July PDC
Analysis and Engagement	
Develop staff work groups	Q3 2019
Public and Agency involvement	Q3 start, ongoing
Develop draft content/document	Q4 2019/Q1 2020
County Board Workshop	Q1 2020
Plan Adoption	
Authorization to release draft	Q1/Q2 2020
Public comment period	Q2 2020
County Board adopt final plan	Q2/Q3 2020

Questions / Discussion



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