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Armstrong Boulevard (CSAH 83) Interchange

TH 10 Access Planning Study

Achieves:

- Removes 1st of 5 traffic signals from Hwy 10
- Provides grade separated access on Hwy 10
- Provides railroad grade separation
- Construction anticipated in 2014-15



Priority: Current Project

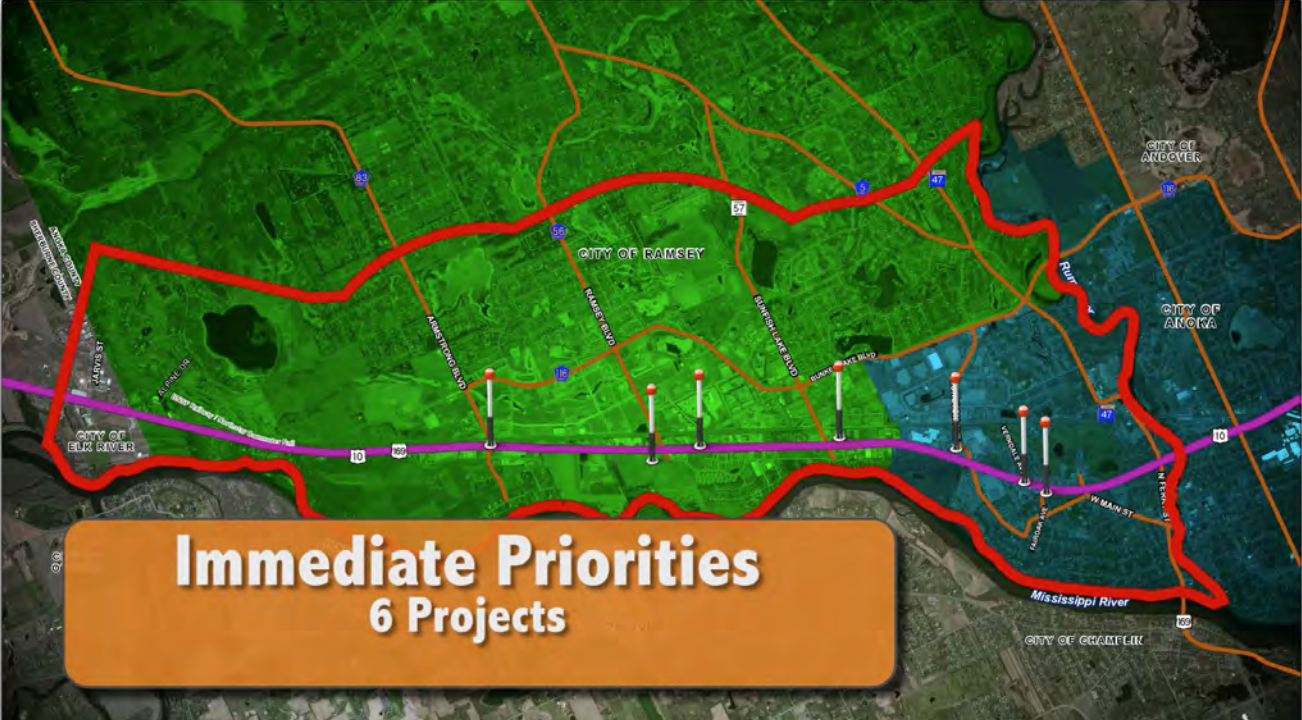
Cost: \$33M

- Bridge Over Hwy 10 and Railroad
- Ramp Access to and From Hwy 10
- Local Street Connectivity

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Immediate Priorities

6 Projects

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TH 10 Access Planning Study

Temporary Pedestrian Safety Improvements

(North Side Verdale to Fairoak & South Side Fairoak to Main)

Achieves:

- Addresses high level of uncontrolled pedestrian crossings
- Directs pedestrians to controlled crossing at traffic signal
- Improves connectivity with downtown Anoka
- Low cost, immediate response at site of 2012 pedestrian fatality



Priority: Immediate

Cost: \$250,000 to \$475,000

- Median Barrier With Fence
- Select Trail Connections



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TH 10 Access Planning Study

New Local Street Connection

(Thurston Ave to Main St)

Achieves:

- Connects Anoka Technical College and industrial park with downtown Anoka
- Critical local system connection along north side of Hwy 10
- Supports sequencing for other improvement on Hwy 10
- Supports city's redevelopment goals




Priority: Immediate

Cost: \$3,800,000

- Continuous Connection of Greenhaven Pkwy
- New Intersection on Thurston
- Remove All-Way Stop on Thurston

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TH 10 Access Planning Study

Fairoak Traffic Signal Removal

Achieves:

- Removes 2nd of 5 traffic signals from Hwy 10
- Reduces westbound signal backup from 1 mile to ¼ mile during afternoon peak
- Addresses site of more than 250 rear end crashes over 10 years
- Acceptable to most adjacent businesses
- Supports sequencing for other improvements on Hwy 10




Priority: Immediate
Cost: \$9,600,000

- Reduced Conflict Intersection at Fairoak Ave
- Frontage Road from Cutters Grove to Fairoak Ave
- Pedestrian Overpass Near Verdale Ave

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TH 10 Access Planning Study

North Frontage Road (Sunfish Lake Blvd to Anoka Technical College)

Achieves:

- 11 access points removed from Hwy 10
- Supports existing businesses and city's redevelopment goals
- Acceptable to most adjacent businesses
- Supports sequencing for other improvements on Hwy 10




Priority: Immediate
Cost: \$6,200,000

- Continuous Frontage Road for Local Business Access
- Construct Median Barrier
- Right-in/Right-out to Hwy 10

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TH 10 Access Planning Study

North Frontage Road

(Ramsey Blvd to Sunfish Lake Blvd)

Achieves:

- 26 access points removed from Hwy 10
- Critical local system connection along north side of Hwy 10
- Acceptable to most adjacent businesses
- Supports sequencing for other improvements on Hwy 10



Priority: Immediate

Cost: \$8,400,000

- Continuous Frontage Road for Local Business Access
- Construct Median Barrier
- Realign Westbound Hwy 10

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TH 10 Access Planning Study

South Frontage Road

(Traprock St to Ramsey Blvd)

Achieves:

- Connects large area south of Hwy 10 with Armstrong Blvd interchange
- Critical local system connection along south side of Hwy 10
- Supports West Mississippi Regional Park development and city redevelopment goals
- Supports sequencing for other improvements on Hwy 10



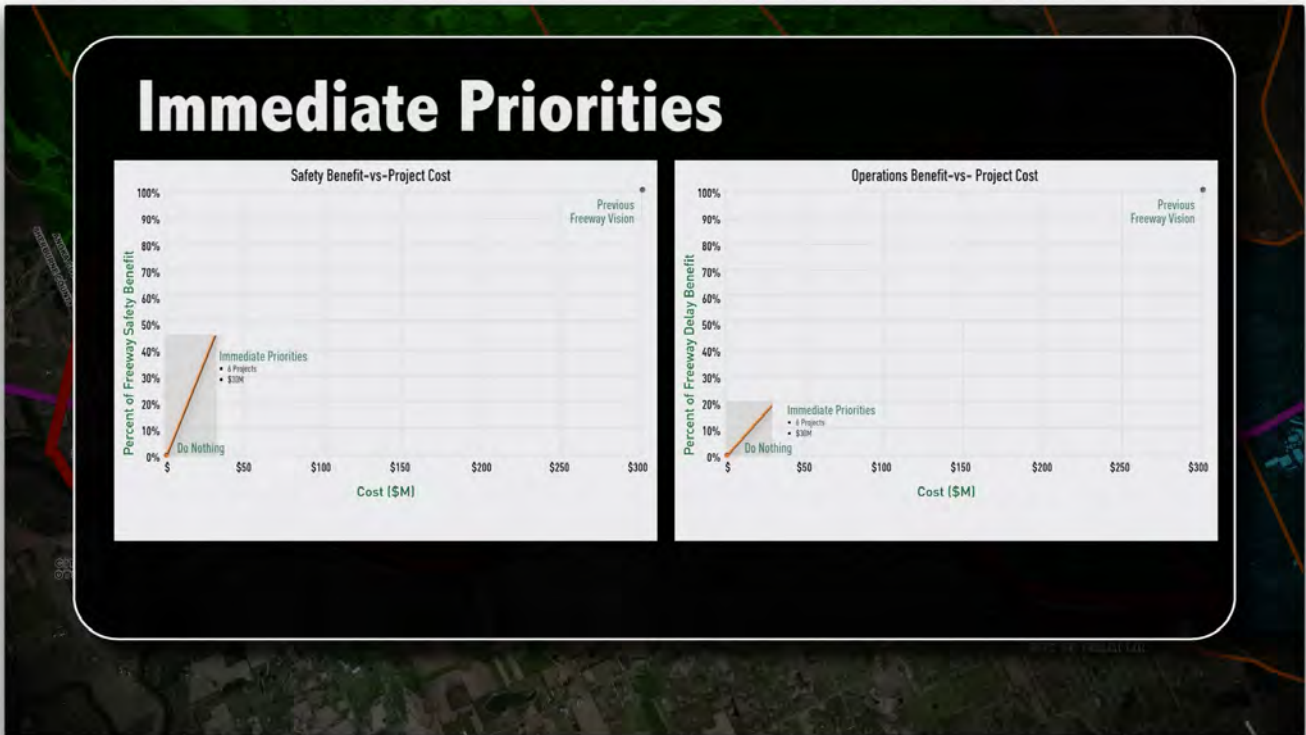
Priority: Immediate

Cost: \$1,100,000

- Continuous South Side Frontage Road for Local Access

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South Frontage Road
(Fairoak Ave to Main St)

Achieves:

- Connects Fairoak Ave businesses and residents with downtown Anoka
- Critical local street connection along south side of Hwy 10
- Completes removal of Fairoak intersection from Hwy 10
- Better utilization of existing Hwy 10 / Main Street interchange




Priority: Short Term
Cost: \$2,600,000

- Frontage Road From Fairoak to Main St
- Improved Intersection With Hwy 10 Interchange
- Better Utilizes Hwy 10 Bridge Over Main St

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McKinley St Extension
(Across Ramsey and Anoka City Limits)

Achieves:

- Critical local street connection to Thurston Ave railroad overpass
- Supports sequencing for improvements on Hwy 10 at Thurston Ave
- Supports sequencing for improvements on Hwy 10 at Sunfish Lake Blvd




Priority: Short Term
Cost: \$600,000

- Local Street Connecting Sunfish Lake Blvd and Thurston Ave

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TH 10 Access Planning Study

Riverdale Dr Extension

(East of Tungsten St)

Achieves:


- 11 access points removed from Hwy 10
- Supports existing businesses and city's redevelopment goals
- Supports sequencing of other improvements on Hwy 10
- Flexibility for redevelopment potential



Priority: Short Term

Cost: \$2,500,000 to \$3,000,000

- New Right In/Right Out Access on TH 10
- Frontage Road or Local Street From Tungsten St to New Access



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TH 10 Access Planning Study

Thurston Ave Grade Separation

Achieves

- Removal of 3rd of 5 traffic signals from Hwy 10
- Provides grade separated access on Hwy 10
- Continuous frontage road between Sunfish Lake Blvd & Thurston Ave
- Flexibility for grade separation option and sequencing



Priority: Short Term

Cost: \$16M — \$26M

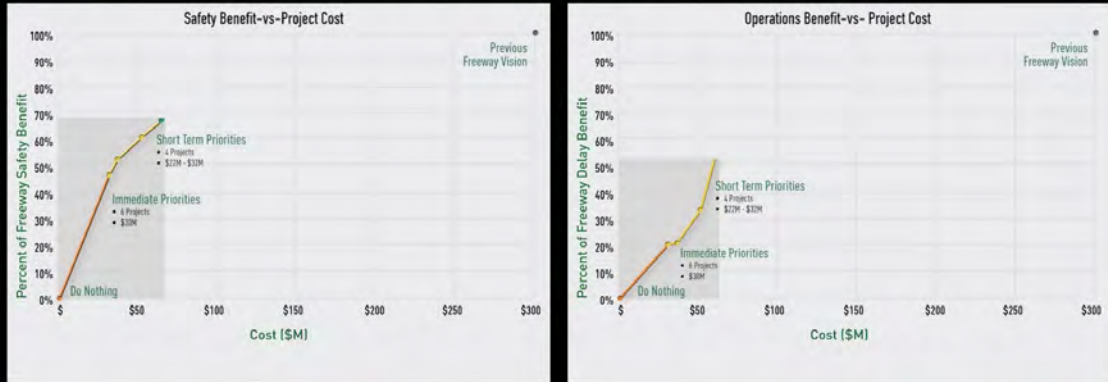
- Multiple Options
 - Overpass With Right Turn Access
 - Hwy 10 Flyover With Access
- Frontage Road At Anoka Technical College



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Short-Term Priorities



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TH 10 Access Planning Study

Sunfish Lake Blvd (CSAH 57) Grade Separation


Achieves:

- Removal of 4th of 5 traffic signals from Hwy 10
- Provides grade separated access on Hwy 10
- Flexibility in grade separation options and sequencing
- Provides flexibility to add railroad grade separation




Priority: Mid Term
Cost: \$11M — \$19M

- Multiple Options
 - Overpass With Right Turn Access
 - Hwy 10 Flyover With Access



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TH 10 Access Planning Study

Ramsey Blvd (CSAH 56) Grade Separation


Achieves:

- Removal of 5th of 5 traffic signals from Hwy 10
- Provides grade separated access on Hwy 10
- Flexibility in grade separation options and sequencing
- Provides flexibility to add railroad grade separation



Priority: Mid Term
Cost: \$11M — \$24M

- Multiple Options
 - Overpass With Right Turn Access
 - Hwy 10 Flyover With Access



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Mid-Term Priorities



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Right-of-Way Purchase
(North of Highway 10, West of Ramsey Blvd)

Achieves:


- 13 access points removed from Hwy 10
- Area for storm water management or other highway use
- Flexibility for property owner timeframe



Priority: Opportunity Driven
Cost: \$11,500,000

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Civic Center Dr Extension

Achieves:

- Local street connecting Hwy 10 and Northstar Transit Station
- Supports city's development goals




Priority: Development Driven
Cost: \$600,000

- Local Street Extension to Ramsey Blvd
- Right Turn Access to Ramsey Blvd

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TH 10 Access Planning Study

Railroad Grade Separation (Sunfish Lake Blvd)


Achieves:

- Grade separation of rail/vehicle/ pedestrian movements
- Flexibility with Hwy 10 Flyover Options




Priority: Safety Driven
Cost: \$14.5M

- Rail Bridge Over Sunfish Lake Blvd
- Local Street Overpass



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TH 10 Access Planning Study

Railroad Grade Separation (Ramsey Blvd)


Achieves:

- Grade separation of rail/vehicle/ pedestrian movements
- Flexibility with Hwy 10 Flyover Options




Priority: Safety Driven
Cost: \$11.5M

- Rail Bridge Over Ramsey Blvd



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156th St Extension
(Jarvis St to Alpine St)

TH 10 Access Planning Study

Achieves:

- 4 access points removed from Hwy 10
- Supports existing businesses and city's development goals
- Supports sequencing for other improvements on Hwy 10
- Critical local system connection along north side of Hwy 10



Priority: Safety/Development Driven

Cost: \$800,000

- Local Street Extension to Primary Intersection

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South Frontage Road
(Edison St to Adams St in Elk River)

TH 10 Access Planning Study

Achieves:

- 2 access points removed from Hwy 10
- Supports sequencing for other improvements on Hwy 10
- Critical local system connection along south side of Hwy 10




Priority: Development Driven

Cost: \$1,000,000

- Local Street Extension

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**Reduced Conflict U-Turn (RCUT)
Intersection at Alpine Dr**

TH 10 Access Planning Study

Achieves:

- 2 access points removed from Hwy 10
- Critical local system connection along south side of Hwy 10
- Supports city's development goals
- Alternative to future traffic signal installation on Hwy 10




Priority: Safety/Development Driven

Cost: \$1,400,000

- RCUT at Alpine Dr & Hwy 10
- Turn Lane Improvements
- South Frontage Road Extension to Adams St.

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**Reduced Conflict U-Turn (RCUT)
Intersection at Bowers Dr**

TH 10 Access Planning Study

Achieves:

- 2 access points removed from Hwy 10




Priority: Safety/Development Driven

Cost: \$800,000

- RCUT at Bowers Dr
- Turn Lane Improvements

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Riverdale Dr Extension
(Bowers Dr to Llama St)

TH 10 Access Planning Study

Achieves:

- Critical local system connection along south side of Hwy 10
- Continuous local street along south side of Hwy 10
- Supports city's development goals



Priority: Development Driven

Cost: \$2,000,000

• Local Street Extension

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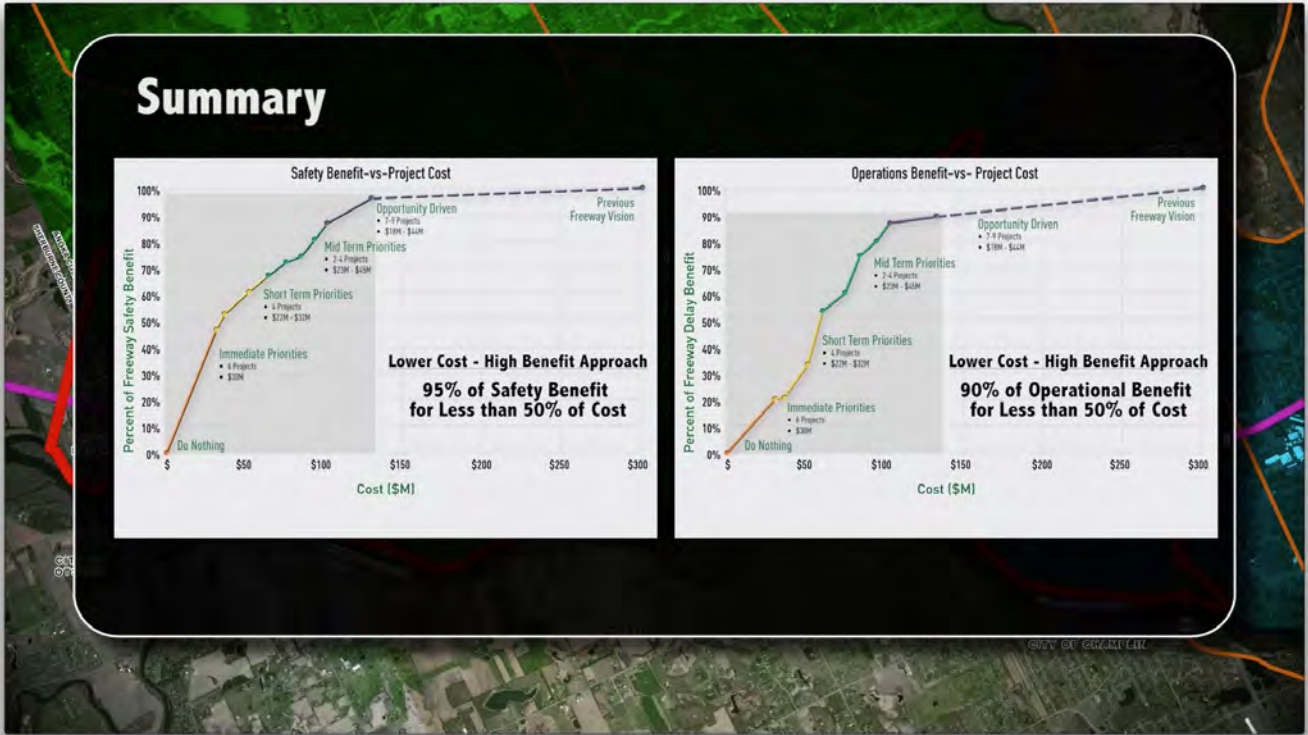
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