

TH 252 Corridor Study

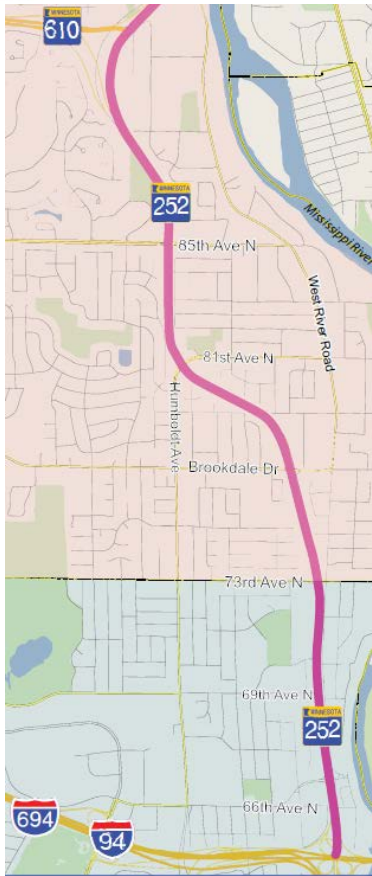
City of Brooklyn Center
Open House #2
February 10, 2015



Corridor Study from I-694 to TH 610



Purpose of the Study



- Study Area
- Brooklyn Center
- Brooklyn Park

- Address motor vehicle, pedestrian and bicycle safety, congestion, and connectivity concerns in the corridor
- Guide future improvements to TH 252



Corridor Study from I-694 to TH 610



Study Goals and Objectives

Goals

- Establish the long-term vision for TH 252
- Identify interim improvements to address existing congestion, safety, and neighborhood connectivity issues at 66th, 70th, and 73rd Aves

Objectives

- Identify expressway or freeway options for future vision
- Identify interim safety improvements
- Document proposed transit improvements
- Recommend project for future competitive federal funding programs
- Develop recommendations for implementing interim and long-term improvements



Evaluation Criteria

- Congestion/level of service
- Safety/crash reduction
- Compliance with design standards
- Construction cost
- Potential for regional funding grants
- Right of way impacts
- Environmental impacts
- Access
- Pedestrian/bicycle connectivity and safety
- Development impacts/potential
- Transit service
- Compatibility with long-term vision for TH 252
- Neighborhood connectivity benefits



Alternatives Rejected



1. J Turn

- Insufficient Capacity and unacceptable access to northbound TH 252



2. High "T"

- Unacceptable weaving distance on southbound TH 252 between 66th and I-694



3. Partial Folded Diamond

- Does not provide access from northbound I-94/TH 252 to 66th Avenue



4. Half Diamond

- Unacceptable access



5. Relocate 66th Avenue: Diamond

- Unacceptable weaving



6. Relocate 66th Avenue: Half Diamond

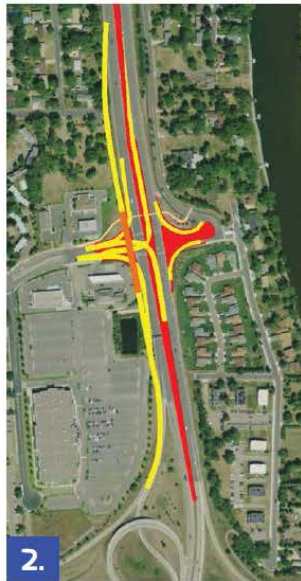
- Unacceptable access



Alternatives for Further Evaluation



1. Green "T" with "J" Turn



2. Green "T" with southbound Flyover



3. Folded Diamond



4. Folded Diamond with Buttonhook



5. Quadrant Interchange



6. Quadrant Interchange with Roundabouts

Note: Alternatives 3-6 require closing or modifying access to 70th Avenue N



Alternatives Evaluation

Evaluation Criteria	Alternatives					
	At-Grade	Partial Grade Separation	Grade Separated at 66th Av 2/		Grade Separation North of 66th Av	
	1	2	3	4	5	6
	Green "T" with "J" Turn	Green "T" with SB Flyover	Folded Diamond	Buttonhook	Quadrant Interchange	Quadrant Interchange with Roundabouts
Level of Service	Low-Moderate	Moderate	High	High	High	High
Safety/Crash Reduction	Moderate	Low-Moderate	High	Moderate - High	Moderate-High	Moderate-High
Compliance with Design Standards	Moderate - High	Moderate	Moderate - High	Moderate	Moderate-High	Moderate-High
Construction Cost	\$2-\$4 Million	\$11-\$15 Million	\$17-\$25	\$17-\$25	\$8-\$12	\$8-\$12
Potential for Regional Funding Grants	High	Low-Moderate	High	High	Moderate	Moderate
Minimize Right-of-way Impacts	High	Moderate	Low	Low-Moderate	Moderate	Moderate
Access	Low-Moderate	Low-Moderate	High	High	Moderate-High	Moderate-High
Pedestrian/Bicycle Connectivity/Safety 1/	High	High	High	High	Moderate-High	Moderate-High
Development Impacts/Potential	Low-Moderate	Low-Moderate	Moderate - High	Moderate - High	Moderate-High	Moderate-High
Transit Service	Moderate	Low	High	Low	Moderate	Moderate
Compatibility with Long-Term Vision for TH 252	Low	Low	High	High	Moderate-High	Moderate-High
Neighborhood Connectivity Benefits	Low	Low	High	High	Moderate-High	Moderate-High
Minimize Environmental Impacts	High	Low-Moderate	Low-Moderate	Low-Moderate	Moderate	Moderate
Total Score	27	18	34	33	32	32

Preferred Alternatives

Folded Diamond and Buttonhook selected for further evaluation based on:

- Safety benefits
- Potential to reduce congestion
- Compatible with long-term vision
- Neighborhood connectivity



3.

3. Folded Diamond



4.

4. Folded Diamond with Buttonhook

Options at 70th Avenue N

- If a grade separated alternative is selected at 66th Avenue N, 70th Avenue access to TH 252 must be closed
- 70th Avenue could be grade separated to provide neighborhood connectivity for pedestrians, bicyclists, and vehicles



Options at 73rd Avenue N

- Pedestrian and bicycle grade separation
 - Improves pedestrian and bicycle safety, connectivity, and access to transit
- Grade separation of the roadway
 - Closes access to TH 252
 - Provides neighborhood connectivity
- Interchange
 - Improves access to TH 252 and traffic operations
 - May result in property impacts



Next Steps

- Final report
- Recommend potential funding sources
- City Council approval of report
- MnDOT Freeway Conversion Study for TH 252



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