

Minnesota
A Collaborative Vision
for Transportation

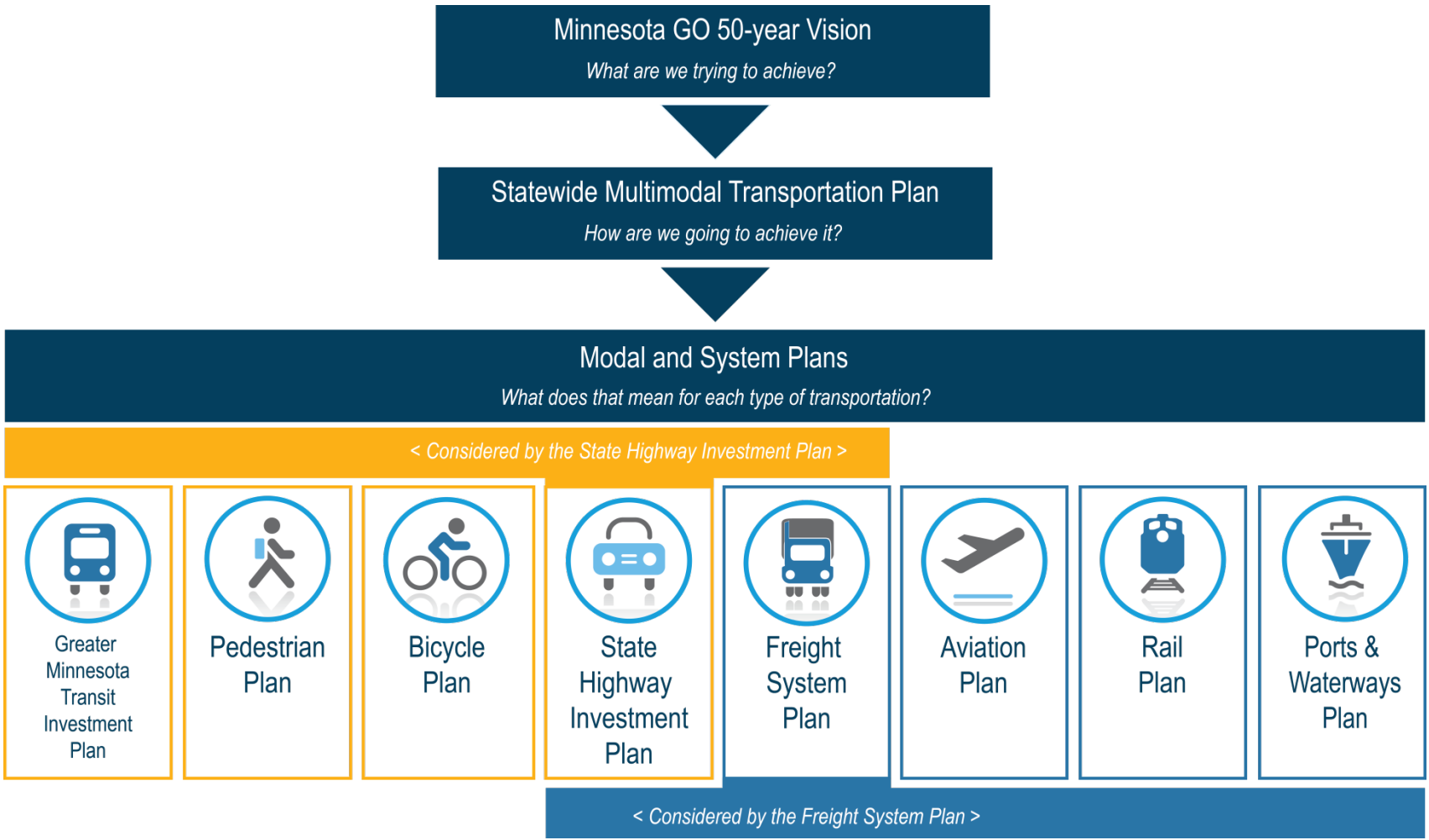


20-Year Minnesota State Highway Investment Plan

TAC Funding and Programming
April 20, 2017

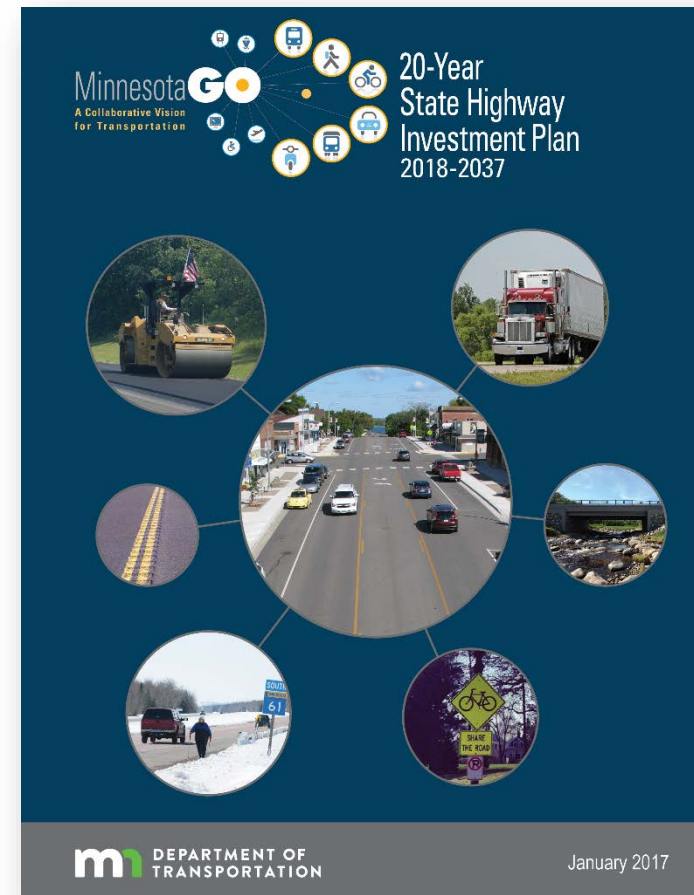
Josh Pearson
Investment Planning Unit

MnDOT Family of Plans



Minnesota's State Highway Investment Plan

- Fiscally constrained, 20-year plan
- Directs capital investments for the state highway network
- Part of MnDOT's Family of Plans
- Updated every four years
- Not project specific



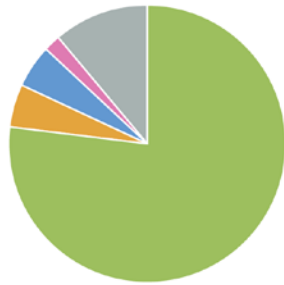
Investment Categories

| System Stewardship | Transportation Safety | Critical Connections | Healthy Communities | Other |
|--|---|--|---|---|
| <ul style="list-style-type: none">● Pavement Condition● Bridge Condition● Roadside Infrastructure Condition● Facilities● Jurisdictional Transfer | <ul style="list-style-type: none">● Traveler Safety | <ul style="list-style-type: none">● Twin Cities Mobility● Greater MN Mobility● Freight● Bicycle Infrastructure● Accessible Pedestrian Infrastructure | <ul style="list-style-type: none">● Regional + Community Improvement Priorities | <ul style="list-style-type: none">● Project Delivery● Small Programs |

- Includes strategies to improve travel time reliability in the Twin Cities region
- Follows investment strategies established in 2040 Transportation Policy Plan
 - Active traffic management
 - Spot mobility improvements
 - MnPASS express lanes
 - Major capacity investments

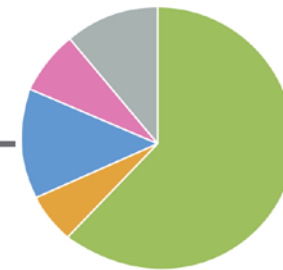
Which investment scenario do you prefer?

Approach A



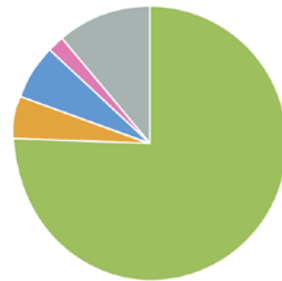
Focus investments on repairing and maintaining existing state highway pavements, bridges and roadside infrastructure

Approach C

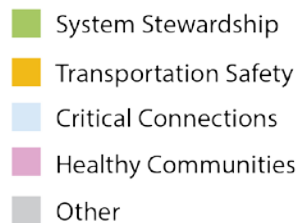


Focus investments on improving travel time reliability, non-motorized investments, and regional and locally-driven priorities

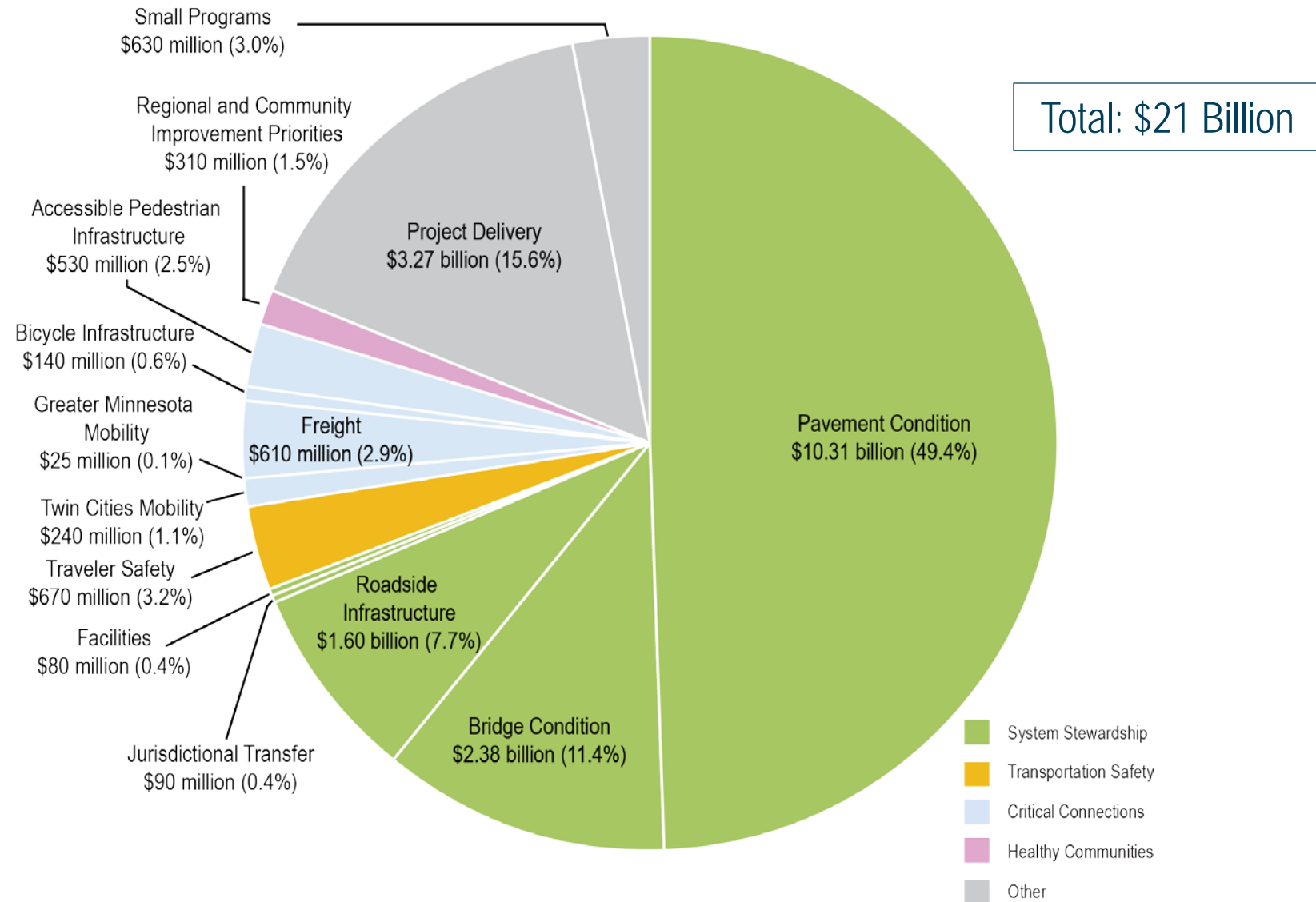
Approach B



Balance investments in repairing and maintaining existing state highways infrastructure with strategic investments in improving travel time reliability



20-Year Investment Direction



What to expect from future projects:

- Increased focus on the National Highway System
- Majority preservation projects, little expansion
- Twin Cities Mobility projects limited to spot mobility fixes and MnPASS build-out (only through 2023)
- Increased focus on ADA compliance
 - Substantially compliant by 2037
- Focus on lower-cost/high-benefit new safety improvements
- Limited bicycle investments
- Continued use of new technology and innovation

Pavement and Bridge Outcomes

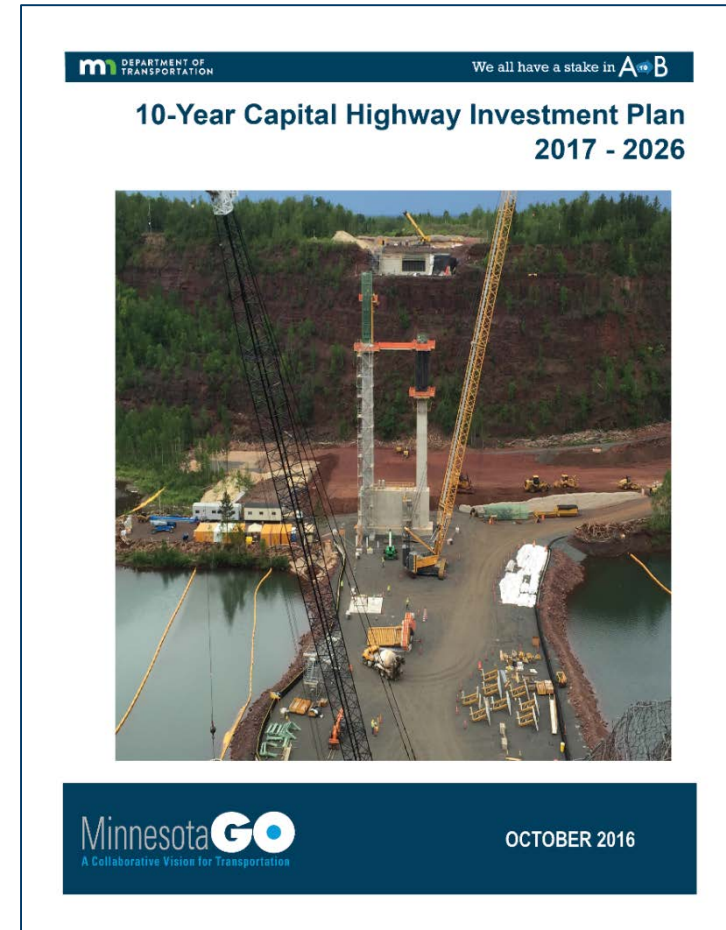
| | System | Targets | 2015 | 2037 |
|--------------------|---------------|----------|-----------|-----------|
| Pavement Condition | Interstate | 2% poor | 2.1% poor | 4% poor |
| | Remaining NHS | 4% poor | 2.7% poor | 8% poor |
| | Non-NHS | 10% poor | 5.1% poor | 18% poor |
| Bridge Condition | NHS | 2% poor | 3.0% poor | 6% poor |
| | Non-NHS | 8% poor | 3.1% poor | 7-8% poor |

Priorities for Additional Revenue

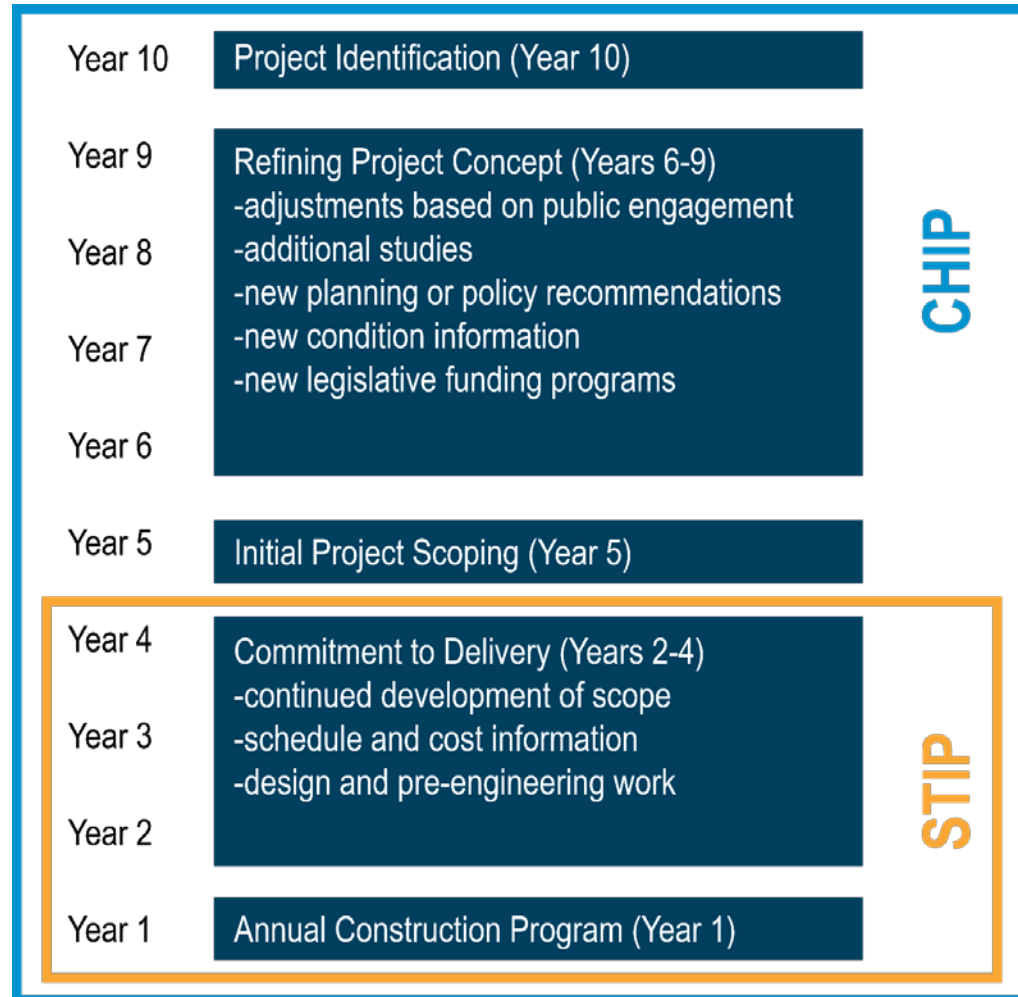
- Maintain and repair assets on the state highway system
 - Limit number of bridges, roadside infrastructure elements and miles of pavement in poor condition
- Strategically improve mobility and reliability
 - Twin Cities Mobility strategies; Focus on low-cost/high benefit improvements in Greater MN
- Reconstruct Main Streets

10-year Capital Highway Investment Plan

- Details MnDOT capital investments over the next 10 years on the state highway network
 - Project-specific
 - Fiscally constrained
 - Updated every year
 - Sets MnDOT Districts' capital budgets



Project Development Timeline



Project Let and Constructed

Two main investment programs

- Statewide Performance Program (SPP)
 - Managed by MnDOT central and specialty offices
 - Investment distributed to districts based on statewide needs
 - Focuses on investment in the Interstate and remaining NHS system
- District Risk Management Program (DRMP)
 - Managed at district level
 - Formula based distribution to districts
 - Mainly focuses on investment in non-NHS bridge and pavement projects

- Aligns with mobility investment strategies
- Sets expected MnDOT capital investment in MnDOT Metro district
- CHIP identifies planned major projects for the next 10 years
 - No projects identified beyond ten years

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MnSHIP Website:

www.MinnesotaGO.org

CHIP Website:

<http://www.dot.state.mn.us/planning/10yearplan/>