



MFAC Fall Quarterly Meeting

Metro Area Mobility / Congestion Strategies



September 30, 2016

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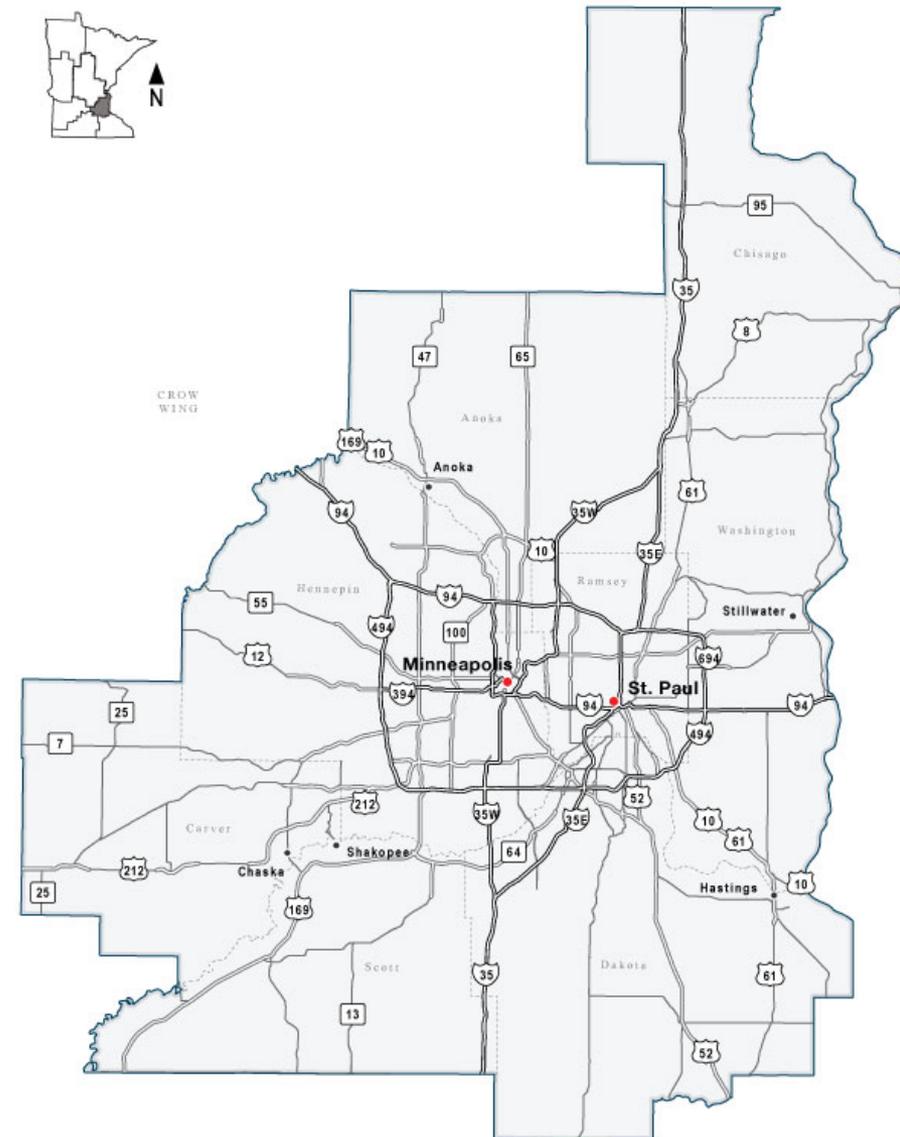
We all have a stake in **A**  **B**



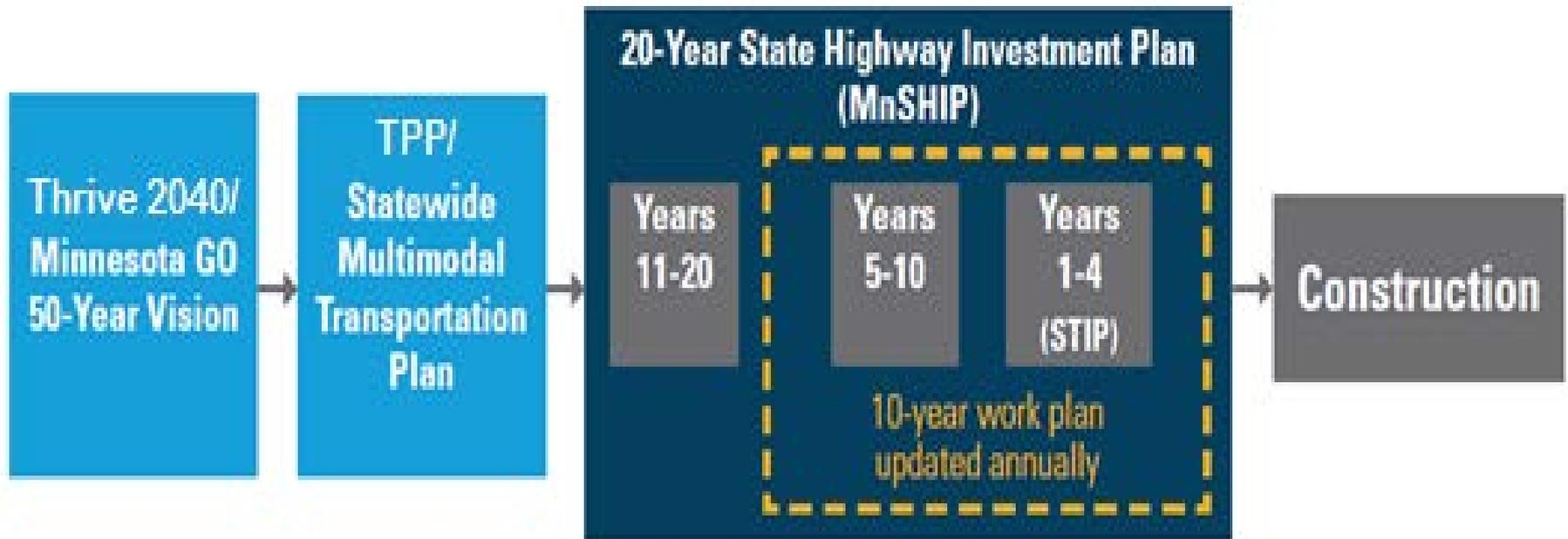
Mobility Investments

Overview of:

- ▶ Metro District portion of the 2017–2020 Statewide Transportation Improvement Program (STIP)
- ▶ Currently planned 2021–2026 Metro District mobility projects from the 10–year Capital Highway Investment Plan (CHIP)

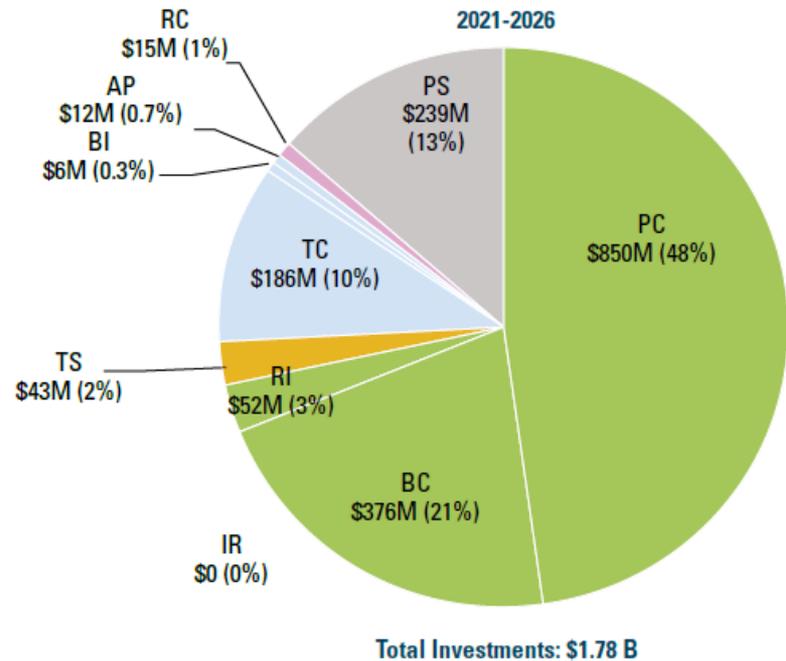
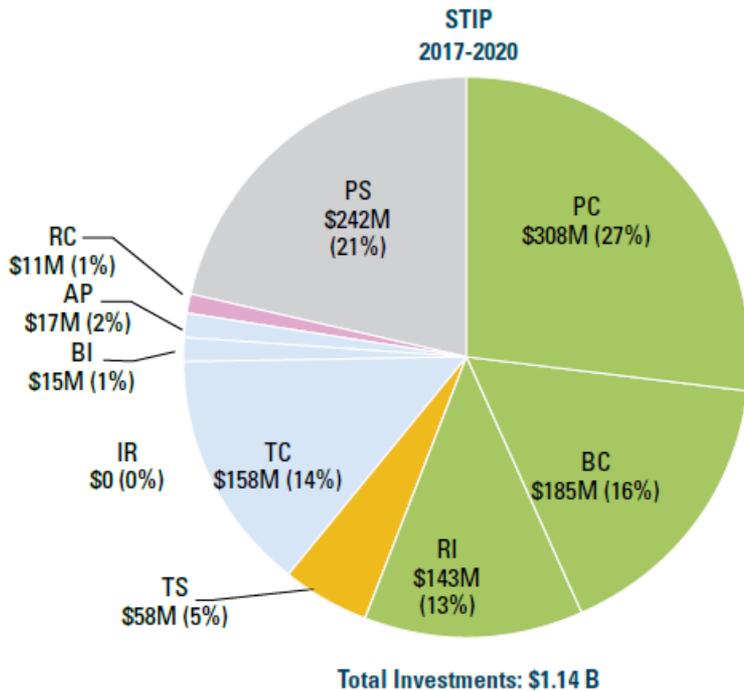


How things fit together



Metro Investments by Category

Planned Investments for STIP (2017-2020) and Years 5-10 (2021-2026)



| Asset Management | Category | Description |
|------------------|-------------------------|-------------|
| PC | Pavement Condition | |
| BC | Bridge Condition | |
| RI | Roadside Infrastructure | |

| Critical Connections | Category | Description |
|----------------------|--------------------------------------|-------------|
| TC | Twin Cities Mobility | |
| BI | Bicycle Infrastructure | |
| AP | Accessible Pedestrian Infrastructure | |

| Category | Description |
|----------|--|
| TS | Traveler Safety |
| RC | Regional + Community Investment Priorities |
| PS | Project Support |



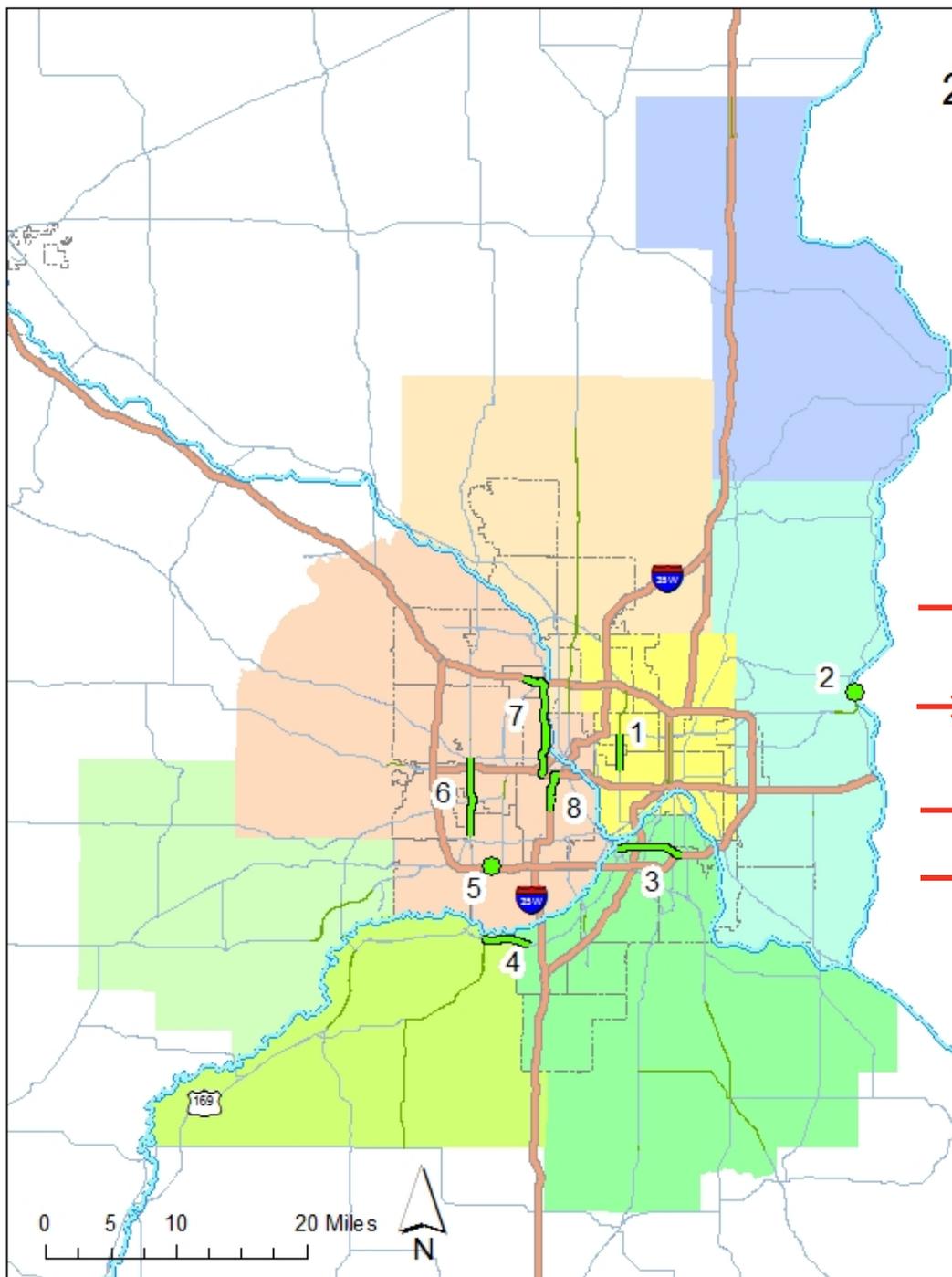
10-Year Mobility Investment Strategy for the Twin Cities Region

- ▶ A mix of **Active Traffic Management (ATM)** system improvements such as variable message signs and lane specific signaling, bus-only shoulders
- ▶ Approximately three **Spot Mobility** (lower-cost/high-benefit) improvements per year such as auxiliary lanes and intersection upgrades
- ▶ Completion of one or two **MnPASS** lanes
- ▶ One or two **Strategic Capacity** enhancements, such as interchanges



2017 MnDOT Major Projects (≥\$5M)

→ = projects with freight impacts



| Major Project | Cost (in millions) |
|--|--|
| 1 MN 51 – CPR, intersection improvements, ADA (Snelling Ave, from Pierce Butler to MN 36) | \$5.00 |
| 2 Stillwater Lift Bridge – conversion to ped/bike trail | \$14 |
| 3 MN 110 – mill & overlay cold in place recycling (MN55 to MN13) | \$7.70 |
| 4 MN 13 – mill & overlay (US169 to Washburn Ave) | \$5.50 |
| → 5 East Bush Lake Rd – Interchange Ramp to WB I-494 (City of Bloomington project w/TED funding) | \$8 TED (\$18.4 total) |
| → 6 US 169 – Pavement (MN62 to MN55) & Nine Mile Creek Bridge replacement w/ causeway | \$11.8 \$57.2 |
| → 7 I-94 – pavement, CPR/tunnel/bridges (Nicollet to Shingle Creek Pkwy) | \$43.40 |
| → 8 I-35W (from 43rd to I-94) – MnPASS, pavement reconstruction, bridges, Lake St Transit Station, (year 1 of 3) | \$183.2 Metro share (\$260.2 total) |

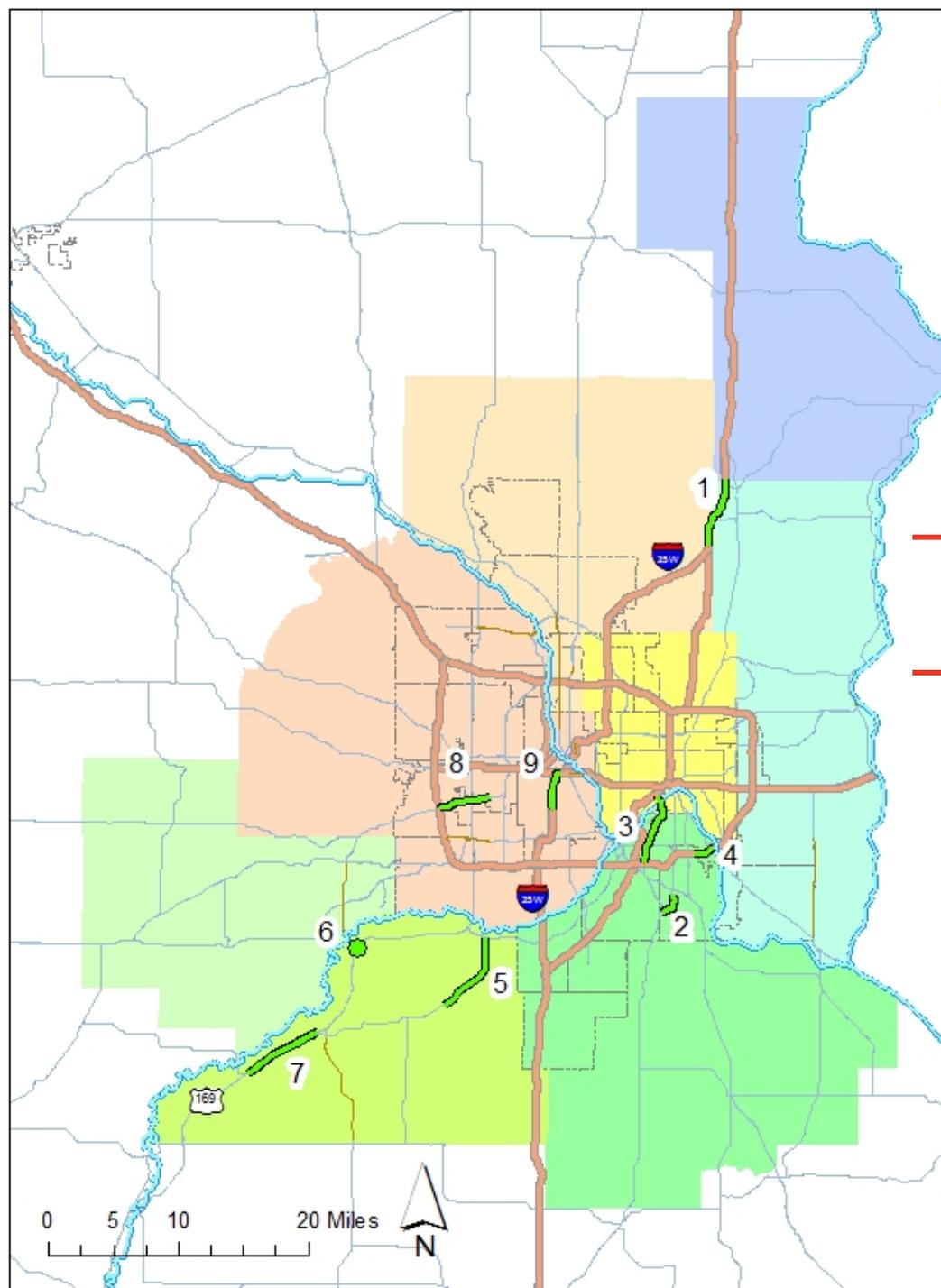
Data source: Draft ATIP, Metro District May 2016



2018 MnDOT Major Projects (≥\$5M)

→ = projects with freight impacts

| Major Project | Cost (in millions) |
|---|----------------------------|
| 1 I-35 Pavement, replace 3 bridges (south of 35E/35W Split to US 8) | \$49.20 |
| 2 MN 3, pavement (MN 149 to Ann Marie Tr, and MN 149 from MN 3) | \$5.30 |
| 3 MN 149 Pavement (494 to MN 5 in St Paul) & Redeck High Bridge over Mississippi River in St Paul | 7.5 14.1 |
| → 4 I-494, Auxiliary lane, concrete repair/mill & overlay (South St Paul to Inver Grove Hts) | \$15.80 |
| 5 MN 13, Mill and overlay (Prior Lake to Savage) | \$5.00 |
| → 6 US 169/Hwy 41 Interchange (Scott County project w/ TED funding) | \$10 TED (\$29.7 total) |
| 7 US 169, pavement, median closures (Belle Plaine to Jordan) | \$16.60 |
| 8 MN 7 – Mill and Overlay (494 to Louisiana) | \$5.50 |
| 9 I-35W from 43rd to I-94 MnPASS/Pavement Reconstruction/Bridges/Transit Station) Yr 2 | \$33.4 AC payback |



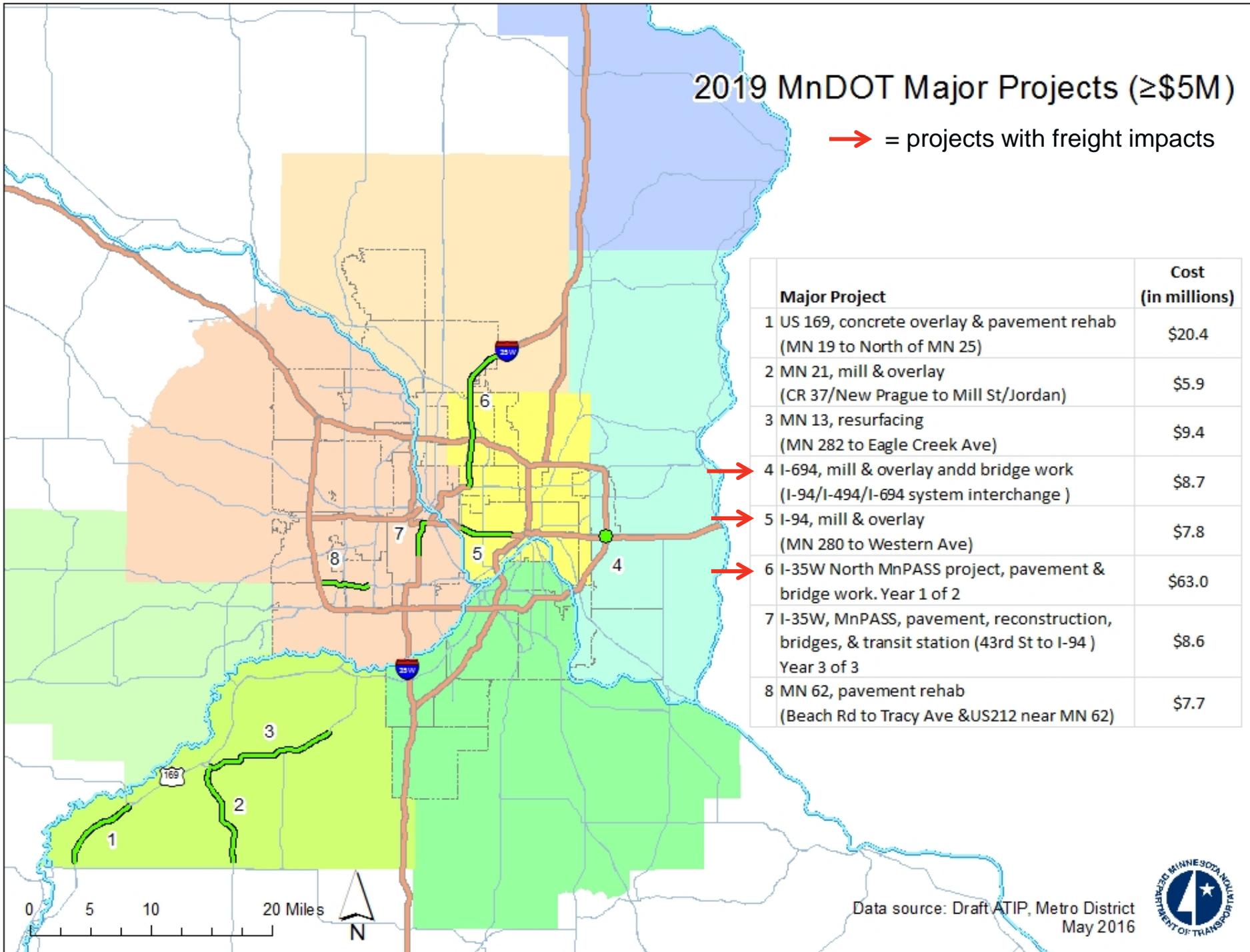
Data source: Draft ATIP, Metro District
May 2016



2019 MnDOT Major Projects (≥\$5M)

→ = projects with freight impacts

| Major Project | Cost (in millions) |
|---|-----------------------|
| 1 US 169, concrete overlay & pavement rehab (MN 19 to North of MN 25) | \$20.4 |
| 2 MN 21, mill & overlay (CR 37/New Prague to Mill St/Jordan) | \$5.9 |
| 3 MN 13, resurfacing (MN 282 to Eagle Creek Ave) | \$9.4 |
| 4 I-694, mill & overlay and bridge work (I-94/I-494/I-694 system interchange) | \$8.7 |
| 5 I-94, mill & overlay (MN 280 to Western Ave) | \$7.8 |
| 6 I-35W North MnPASS project, pavement & bridge work. Year 1 of 2 | \$63.0 |
| 7 I-35W, MnPASS, pavement, reconstruction, bridges, & transit station (43rd St to I-94) Year 3 of 3 | \$8.6 |
| 8 MN 62, pavement rehab (Beach Rd to Tracy Ave & US212 near MN 62) | \$7.7 |



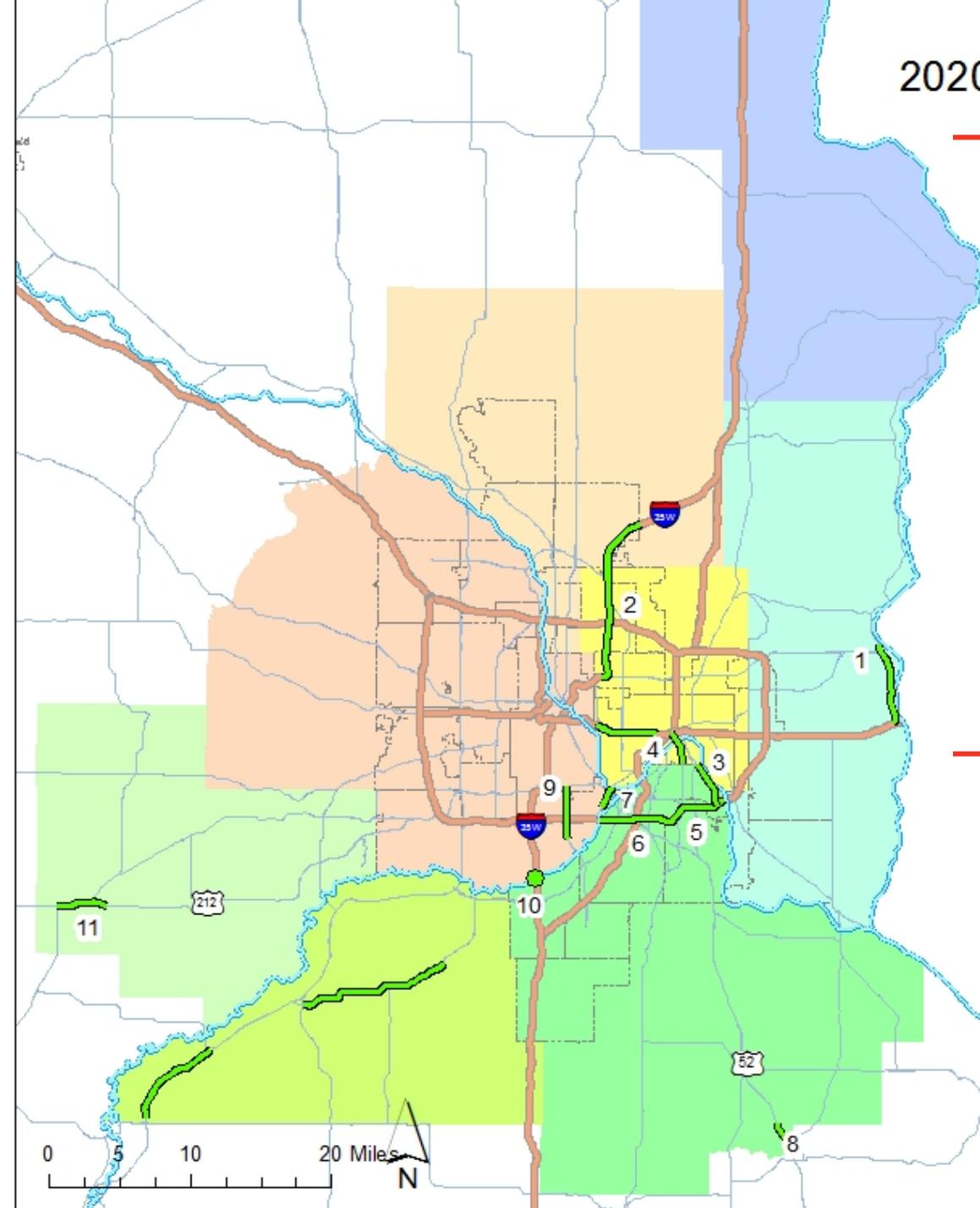
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2020 MnDOT Major Projects (≥\$5M)

→ = projects with freight impacts

| Major Project | Cost (in millions) |
|---|--------------------|
| 1 MN 95, mill & overlay (I-94 to MN 36) | \$6 |
| 2 I-35W North MnPASS project. Year 2 of 2 | \$66.80 |
| 3 Concord St. (MN 156) pavement repair (I-494 to US 52) | \$8.40 |
| 4 Robert St (MN 952A), reconstruct (Annapolis to I-35E/I-94) | \$12.80 |
| 5 I-494, mill & overlay (5th in South St Paul to I-35E) | \$17.50 |
| 6 I-494, mill & overlay (Jct of I35E to east end of MN River Br) | \$9.50 |
| 7 MN 5, concrete overlay, bridge rehab (Jct I-494 to MN River Bridge) | \$15.80 |
| 8 US 52, concrete overlay (Goodhue/Dakota Cty Line to CR 86) | \$6.60 |
| 9 MN 77, mill & overlay (from Old Shakopee Rd to MN 62) | \$9.20 |
| → 10 Replace I-35W Bridge over MN River. Year 1 of 3 | \$33.10 |
| 11 US 212, mill & overlay, MN 5 to CSAH 34 | \$5.10 |



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May 2016



Major Projects Freight w/ impacts (2021–2026)

- ▶ 2021 & 2022
 - I-94, Dwtm Mpls to Dwtm St Paul. Possible MnPASS, pavement, bridge & other infrastructure work, 2 year project, \$100M +
 - Rehab 3rd Ave/Central Ave Bridge over Mississippi, \$40M
- ▶ 2023 & 2024
 - I-94, from Century to St Croix River. pavement, 2 year project, \$107M
 - US 10, replace Rum River Bridge in Anoka, repair 6 nearby bridges, & pavement, \$15M+
- ▶ 2025 & 2026
 - I-394, redeck Dunwoody Bridge, 2 year project, \$55 M
 - I-94, from Hwy101 to the Fish Lake Interchange, pavement, \$75 M
 - I-494, from 24th Ave to France Ave, pavement, \$22M



Future Needs

- ▶ Post 2026 Bridge Bubble
 - 2/3rds of costly state bridge repairs are in the Metro Area
- ▶ Metro Growth
 - 60% of 2020–2040 growth is forecast for the Metro Area
- ▶ Multimodal Solutions
 - Freight
 - Transit
 - Bike/Ped



Emerging Funding Issues



- ▶ MnSHIP Direction Shift to preservation after 2023
- ▶ FAST Act
 - Funding trends
 - Heightened Interstate & other NHS focus
 - Freight program – MN will develop a Freight Investment Plan by end of 2018
 - New Performance Measures
 - Interstate reliability & congestion for freight
 - Interstate and non-interstate NHS congestion
 - Metro peak hour travel times & air quality progress



Questions?

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