

ON TO 2050 Drafting: Mobility Chapter

March 21, 2018

Enabling seamless mobility and supporting three plan principles:

Promote *prioritized investment* in existing infrastructure while securing new revenues for needed enhancements

Advance *inclusive growth* by improving connections and mobility options for low income communities and people of color

Improve *resilience* by building infrastructure that withstands changing climactic, fiscal and technological change

Strategy Papers and Snapshots Informing Mobility Chapter

Travel Trends

Understanding how our region moves



CMAP

Infill and TOD

Exploring regional development



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Highway Operations



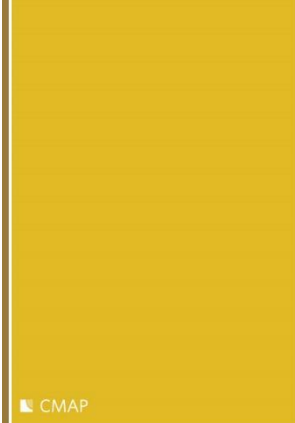
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Regional Strategic Freight Direction



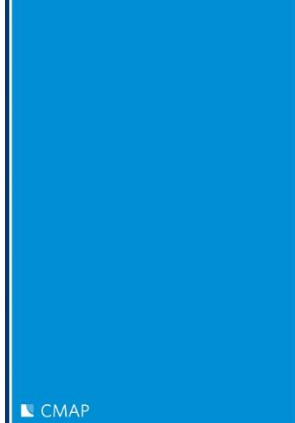
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Transit Ridership Growth Study



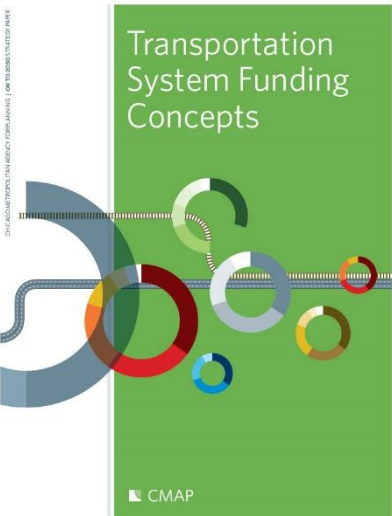
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Non-motorized Transportation



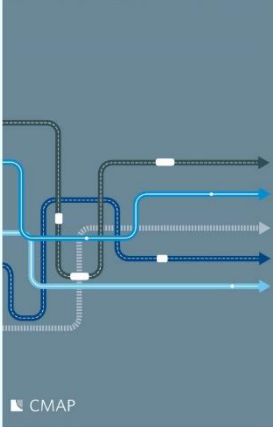
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Transportation System Funding Concepts



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Transit Modernization



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Inclusive Growth



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Stormwater and Flooding



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Transportation Technology



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Climate Resilience



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Proposed ON TO 2050 Mobility recommendations

- **A modern, multimodal system that adapts to changing travel demand**
 - **Harness technology** to improve travel and anticipate future impacts
 - Make **transit more competitive**
 - Maintain the region's status as **North America's freight hub**
- **A transportation system that works better for everyone**
 - Leverage the transportation network to promote **inclusive growth**
 - Improve **travel safety**
 - **Improve the resilience** of the transportation network to weather events and climate change
- **Making transformative investments**
 - **Fully fund** the region's transportation system
 - **Enhance** the region's approach to **transportation programming**
 - Build **regionally significant transportation projects**

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**A modern, multimodal system that adapts to
changing travel demand**

Harness technology to improve travel and anticipate future needs

- Coordinate traffic operations regionwide
- Plan for system modernization while making progress toward state of good repair
- Make the collection, sharing, and analysis of public and private sector transportation data a regional priority
- Design streets, curb space, and sidewalks to support transit, walkable communities, and emerging technology



Example actions to implement coordinated traffic operations

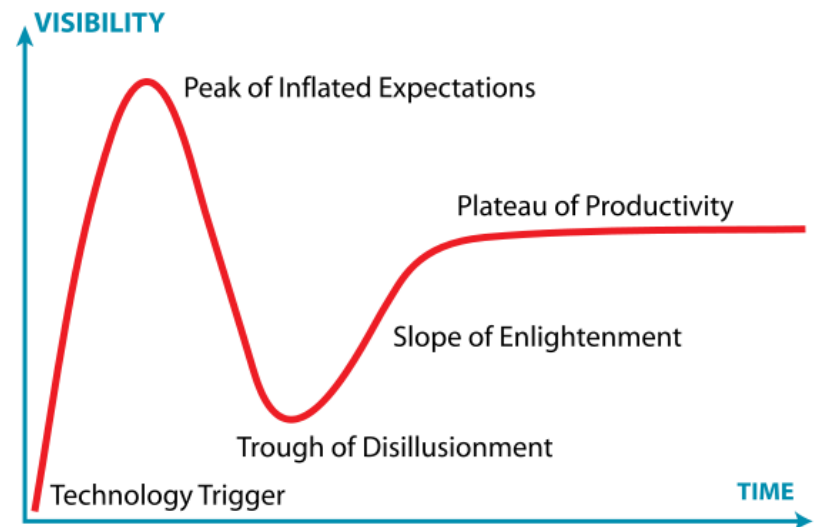
- CMAP should work with IDOT towards implementing a regional, multi-jurisdictional traffic management center, either virtual or traditional.
- CMAP should work with stakeholders to develop a regional communications master plan and update the regional ITS architecture
- Highway agencies should review traffic signal policies, ensure up-to-date signal timing plans to minimize delay and crashes, and should implement adaptive signal timing where appropriate.

Harness technology to improve travel and anticipate future needs

- Establish pricing and regulatory frameworks that positively shape the impacts of autonomous vehicles and other technologies on infrastructure and land use
- Identify public investments that could catalyze emerging technologies

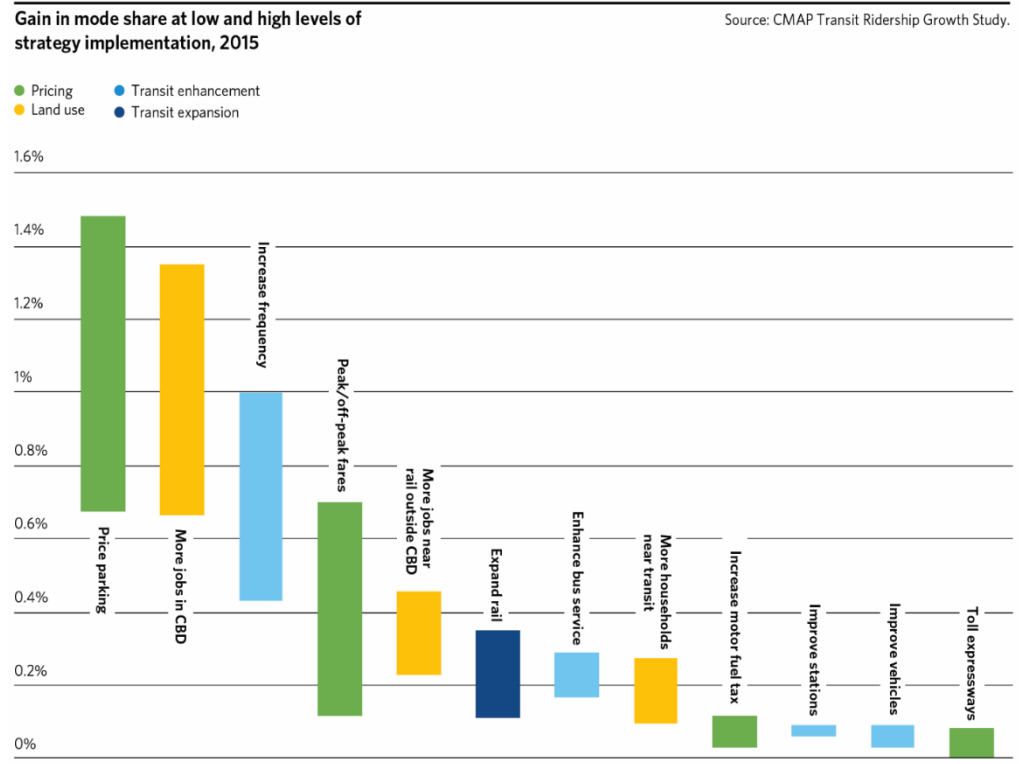
- Ensure that emerging technologies support inclusive growth

Gartner Hype Cycle



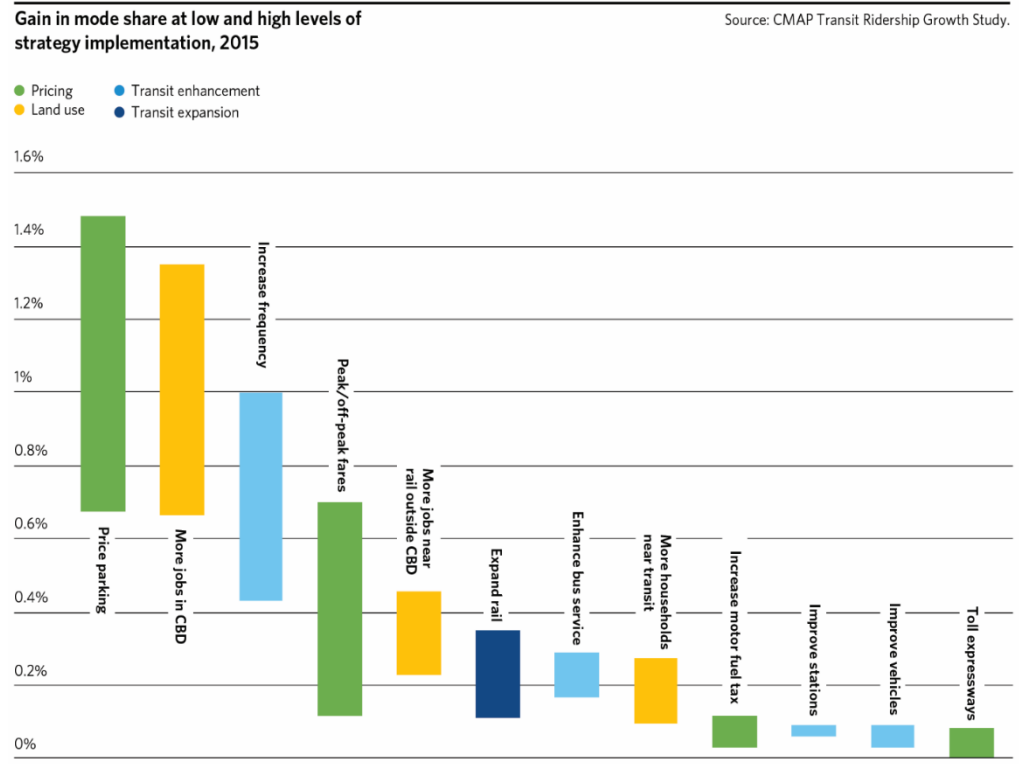
Make Transit More Competitive

- Diversify and increase transit funding sources
- Invest in and protect transit's core strengths
- Make further progress in fare and service coordination
- Improve the efficiency and effectiveness of paratransit and demand response service



Make Transit More Competitive

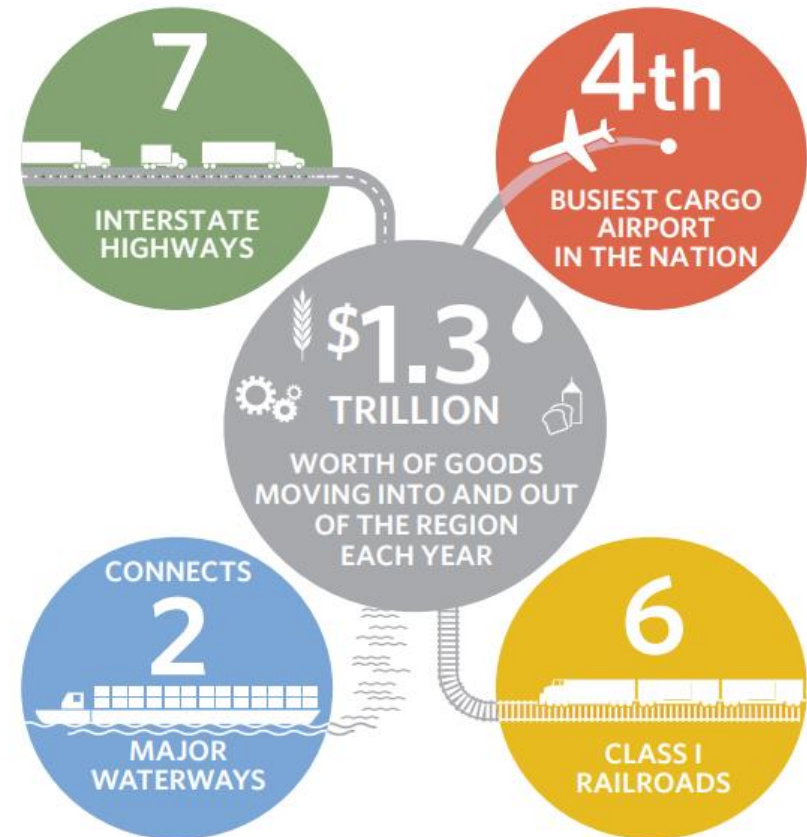
- Ensure equitable transit access
- Actively manage parking
- Plan for transit supportive land uses
- Road agencies should prioritize improving transit service



Retain the region's status as North America's freight hub

- Invest strategically in the freight network
- Develop a unified regional approach for freight transportation issues
- Focus on improving local and regional truck travel
- Mitigate the negative impacts of freight activity on adjacent areas, particularly EDAs
- Assess the local and regional impacts of proposed major freight facilities

Figure 1. Metropolitan Chicago freight assets



Note: Total freight value includes all modes designated by the Freight Analysis Framework.

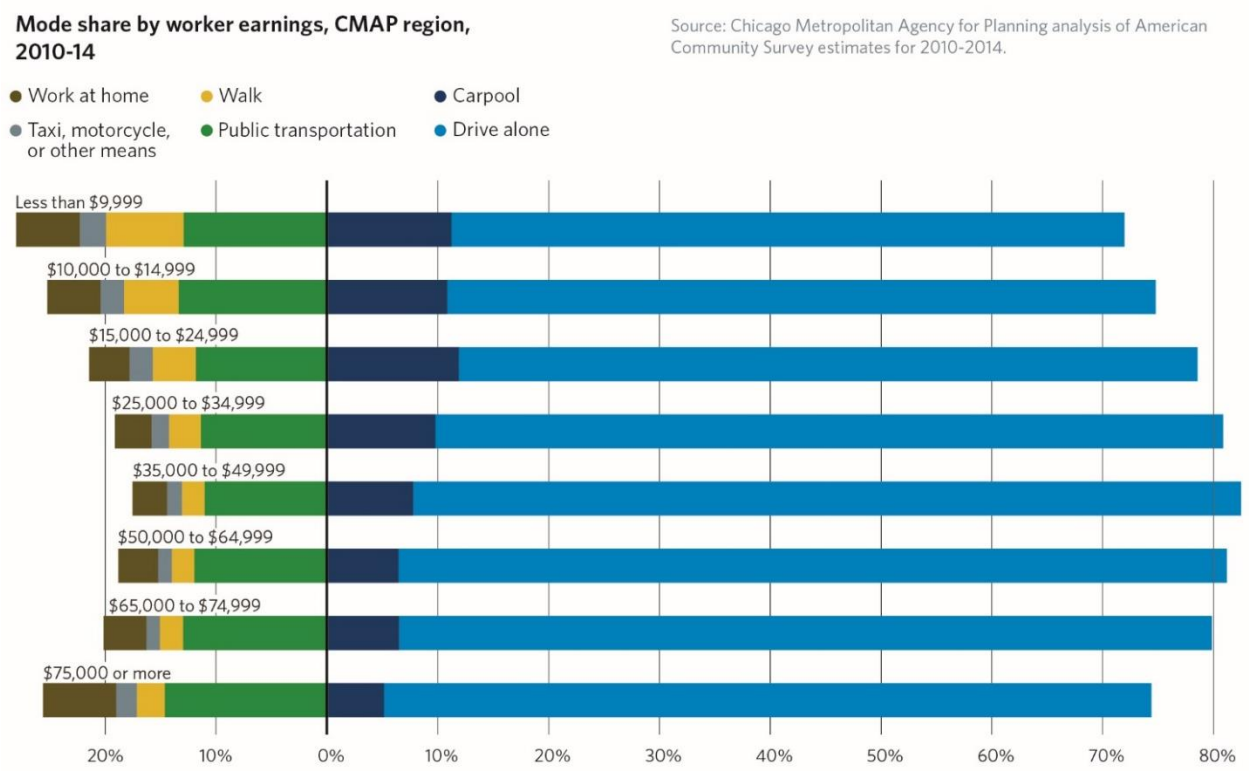
Source: Chicago Metropolitan Agency for Planning analysis of Federal Aviation Administration, Freight Analysis Framework data, 2012.

A system that works better for everyone

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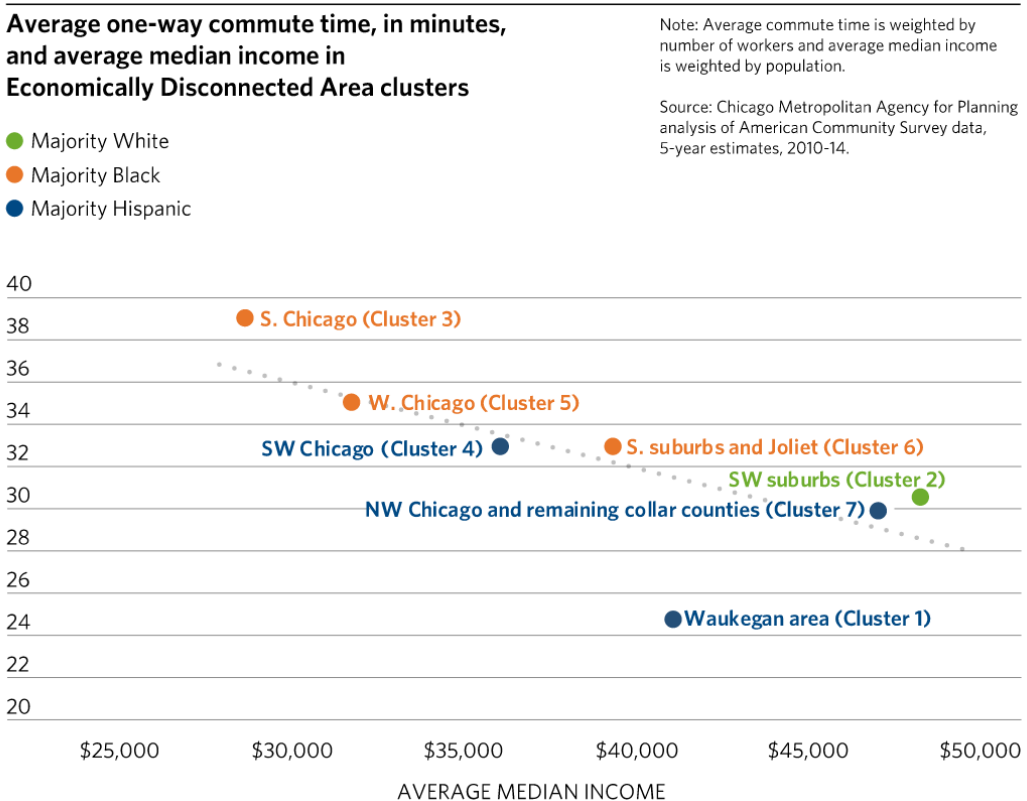
Leverage the transportation network to promote inclusive growth

- Improve commute options between disinvested areas and employment, education and training, and services
- Improve access to public rights of way for pedestrians, cyclists, and people with disabilities



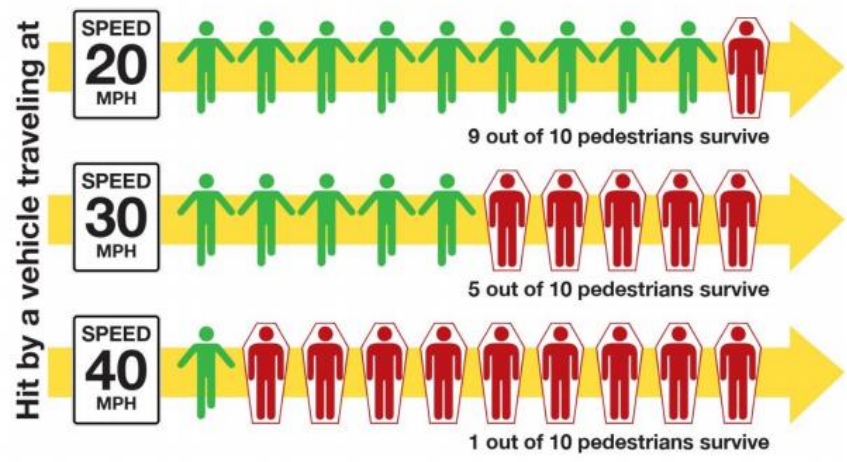
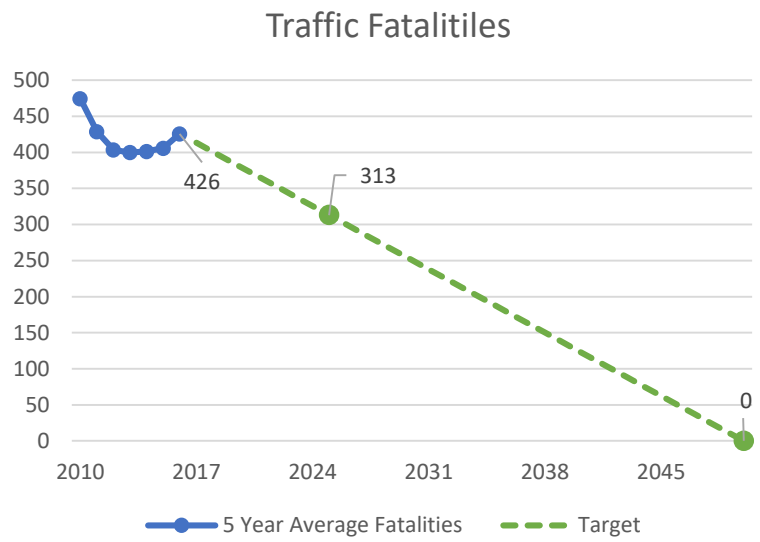
Leverage the transportation network to promote inclusive growth

- Increase authentic, responsive engagement of underrepresented communities in planning and development
- Build capacity for disinvested areas to develop, fund, and maintain transportation infrastructure



Improve travel safety

- Continue to update roadway designs to reduce speeding and crashes
- Invest in safe bicycle and pedestrian pathways to desired destinations
- Improve incident detection and management
- Expand regional data collection and analysis on safety to support programming decisions
- Improve driver training and equitable enforcement practices



Source: Graphic designed by [Placemakers](#), used with permission.

Improve the resilience of the transportation network to weather events and climate change

- Strengthen transportation infrastructure to withstand current and future weather events
- Improve the operational response to weather events to ensure mobility

WEATHER


Chicago Weather: Flooding, potholes creating problems on roads across area

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Flooding was so severe in south suburban Ford Heights, even the mayor's house was affected Tuesday night.

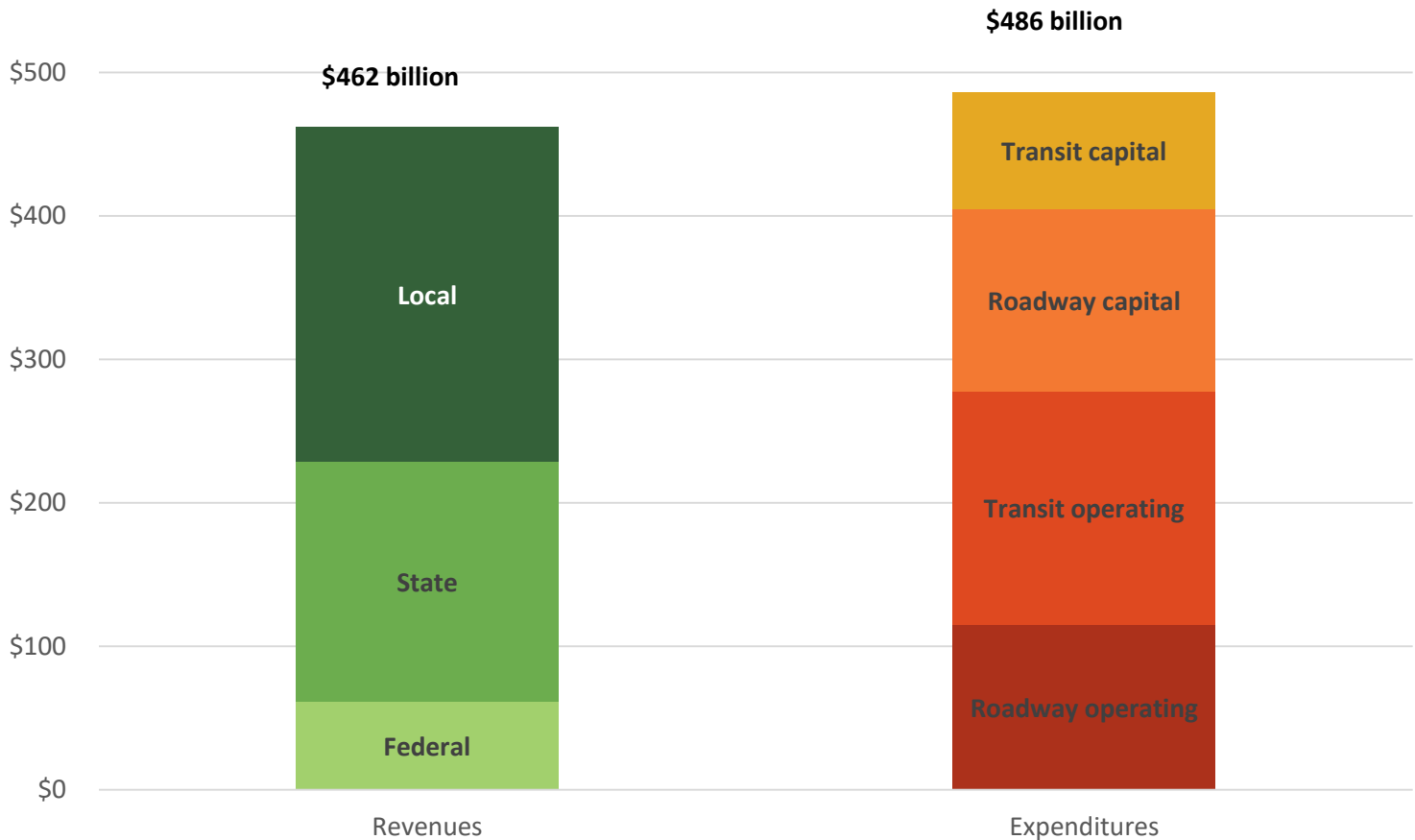
 By Diane Pathieu, Jessica D'Onofrio, Evelyn Holmes, Karen Jordan, Phil Schwarz, Rob Elgas, Eric Horng and Liz Nagy

Tuesday, February 20, 2018 11:09PM

Making transformative investments

ON TO 2050

Fully fund the region's transportation system



Enhance the region's approach to transportation programming

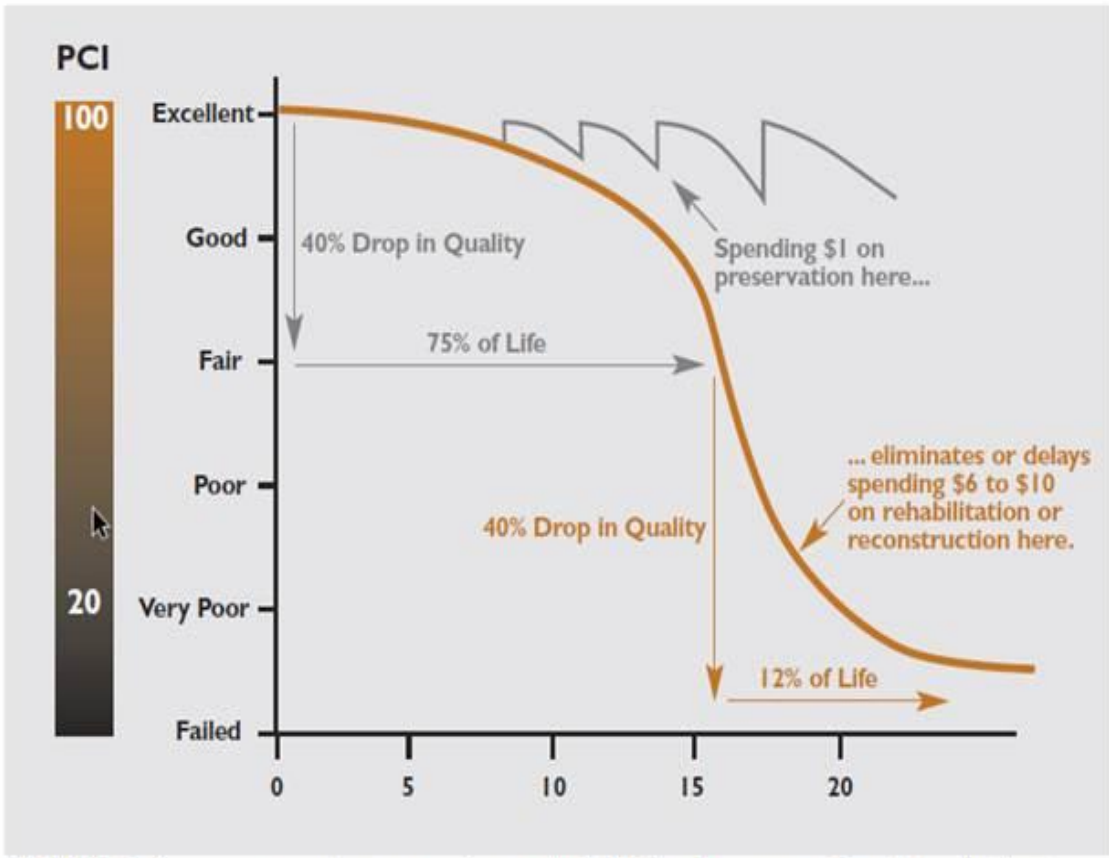


FIGURE 2 Pavement option curve (example). (PCI = Pavement Condition Index.)

Build regionally significant projects

- Full draft available to committees and stakeholders:
Monday, April 9
- Discussion at CMAP Board and Planning Committees,
Transportation Committee
- Deadline for feedback: **April 30**