Alternative Futures for Committee Consideration

October 19, 2016
I. What is Alternative Futures?
II. Development of futures
III. Introduction to futures
IV. Background trends
V. Next steps
ON TO 2050 Development Process

ON TO 2050 development timeline

- Prioritize capital projects
  - Identify
  - Evaluate
  - Select
- Create financial plan
- Assess future scenarios
- Develop regional socioeconomic forecast
- Evaluate existing conditions
- Analyze potential policies and strategies

Timeline:
- 2015
- 2016
- 2017
- 2018

Engagement Activities
- Intensive Public Engagement
- Plan Released for Public Comment

Ongoing Engagement
What is Alternative Futures?

- Tool that provides a framework to
  - Understand trends
  - Assess policies and strategies
- Vehicle for education and discussion
- Macro level focus
  - Prepare
  - Mitigate
  - Capitalize
- Prioritize strategies benefitting multiple futures
- Qualitative research
What is Alternative Futures?

1. In-house working sessions with CMAP staff
   - Goals: Develop initial list of trends representing possible futures
   - Criteria: plausibility, impact, policy links

2. Working session with experts from partner organizations
   - Goals:
     - Prioritize and combine 20 initial trends
     - Assess impacts, likelihood, and connections to broader issues
     - Identify missing trends
# Initial list of futures

## Environment
1. Intensified climate change impacts
2. Constrained water supply
3. Efficient and resilient energy system

## Land Use
4. Transitioning agricultural and natural lands
5. Continued preference for suburban lifestyle
6. Investment in mixed-use centers
7. Smarter, more responsive infrastructure and land use planning

## Governance
8. Diminished public resources
9. Politically gridlocked region
10. Tech-enhanced active citizenship
11. More regional planning

## Demographics
12. Aging region
13. Diversified region

## Regional Economy
14. Economically stratified region
15. Economic restructuring
16. Stagnant regional growth

## Transportation
17. Increased freight intermodalism
18. Increase transit use, bicycling, and walking
19. Smarter auto-oriented mobility
20. Driverless vehicles
Alternative Futures for consideration

• Focus research, analysis, and public engagement on 5 futures

• Each future represents…
  – One or more priority trends
  – One or more CMAP policy areas
  – Corresponding CMAP work
  – A possible stand-alone future for the region
Alternative Futures for consideration

• Focus on 5 futures addressing…
  – Land use
  – Mobility
  – Climate change
  – Public resources
  – Regional economy

• In each future, consider…
  – Demographic shifts
  – Proliferation of data and advanced technology
YEAR: 2050
PLACE: Chicago region

What would happen to our region if....
YEAR: 2050
PLACE: Chicago region

What would happen to our region if....

More people chose urban living?
If more people chose urban living...

Greater preference for dense, mixed use areas

If more people chose urban living…

… what happens to the region?

- Denser **suburban downtowns** and commercial cores grow
- Suburban **office parks** and strip malls decline
- More areas in region with **transit supportive densities**
- Decrease in demand for **driving and parking**
- Affordable housing becomes scarcer
YEAR: 2050
PLACE: Chicago region

What would happen to our region if...

Technology enabled greater mobility?
If technology enabled greater mobility...

Accurate, real-time information
If technology enabled greater mobility...

Accurate, real-time information

On-demand products and services
If technology enabled greater mobility...

On-demand products and services

Accurate, real-time information

High-tech intermodalism
If technology enabled greater mobility…

Driverless cars proliferate
If technology enabled greater mobility…

… what happens to the region?

- **Land use and development** needs change
- **Freight traffic** needs change
- **Access** to technology unequal
- **Cost of driving** decreases
- **Suburban** edge grows
YEAR: 2050
PLACE: Chicago region

What would happen to our region if....

Climate change impacts intensified?
If climate change impacts intensified...

More floods, droughts, and extreme temperatures
If climate change impacts intensified...

... what happens to the region?

- **Habitats** and **agricultural** zones shift
- **Infrastructure** strained
- Increase **relocation** to Chicago
- **Vulnerable** residents disproportionately impacted
- **Energy** systems become more resilient
YEAR: 2050
PLACE: Chicago region

What would happen to our region if public resources are diminished?
If public resources diminished …

State motor fuel tax revenue to northeastern Illinois, estimated revenues compared to the GO TO 2040 forecast, 2002-2040

Source: GO TO 2040 Financial Plan for Transportation, 2014 and Chicago Metropolitan Agency for Planning analysis of Illinois Department of Transportation data

MFT forecasted to decline at the current rate
If public resources diminished…

… what happens to the region?

- **Service and infrastructure** O&M negative impacted
- Greater reliance on **local revenues**
- **Cross-cutting** programs
- More transparency, more **efficiency**
- **Intergovernmental** cooperation
- More distinction between “haves” and “have-nots”
YEAR: 2050
PLACE: Chicago region

What would happen to our region if....

Economic restructuring continued?
If economic restructuring continued...

Serviced-based economy

### Fastest Growing Occupations, Some Postsecondary Education Required

These fast-growing occupations require some postsecondary education, but less than a bachelor’s degree, and have above-average pay.

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Employment Change</th>
<th>Percent Change in Employment</th>
<th>Median Annual Wage, 2015</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wind turbine service technicians</td>
<td>4.8</td>
<td>108.0%</td>
<td>$51,050</td>
</tr>
<tr>
<td>Occupational therapy assistants</td>
<td>14.1</td>
<td>42.7%</td>
<td>$57,870</td>
</tr>
<tr>
<td>Physical therapist assistants</td>
<td>31.9</td>
<td>40.6%</td>
<td>$55,170</td>
</tr>
<tr>
<td>Commercial divers</td>
<td>1.6</td>
<td>36.9%</td>
<td>$50,470</td>
</tr>
<tr>
<td>Web developers</td>
<td>39.5</td>
<td>26.6%</td>
<td>$64,970</td>
</tr>
</tbody>
</table>

If economic restructuring continued…?

… what happens to the region?

- Demand for **higher skilled** workers
- Unemployment increases in **lower skilled** workforce
- **Suburbanization** of poverty
- **Historically marginalized** communities continue to suffer
- Global leader in **freight and logistics**
Demographic shifts and Data

In all futures, CMAP region is…

- More diverse
- Older
- Proliferated with data and advanced technology

Current and forecasted race/ethnicity distribution in the CMAP region, 2010 and 2050

Source: Louis Berger and CMAP
Next steps

October 2016 ............... Collect feedback on recommended alternative future trends

Nov. 2016 – March 2017... Develop alternative futures
Identify and prioritize strategies
• Trend specific strategies
• Universal strategies
Prepare for public outreach

April – August 2017 ............ Finalize outreach plan
Release trends apps and Metroquest
Host public workshops on alternative futures
Questions?

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