

Measuring Progress Towards Regional Goals

TPB Technical Committee Item 10 April 1, 2011

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Background

- Regional transportation goals based on the TPB Vision and COG's Region Forward
- Examples of transportation performance measures that can be used to evaluate CLRP performance and regional priorities
- Performance measures quantified using the 2010 CLRP
- Presentation to Priorities Plan Scoping Task Force on Feb 16, 2011 (attached) and Apr 20, 2011

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Performance Measures

Measures presented to the **Tech Committee** and **TPB** in **Nov 2010** and additional measures presented to the **Tech Committee** and **Priorities Plan Scoping Task Force** in **Feb 2011**, including the following:

- Population & employment growth
- VMT, VMT per capita
- New lane miles, Lane miles of congestion
- Peak hour Metrorail passenger loads
- Growth in truck trips
- Accessibility to jobs
- Emissions of: VOC, NOx, CO₂
- Traffic fatalities: motorized, bicycle, pedestrian
- Rail transit & bus stop coverage in Activity Centers
- Street block density

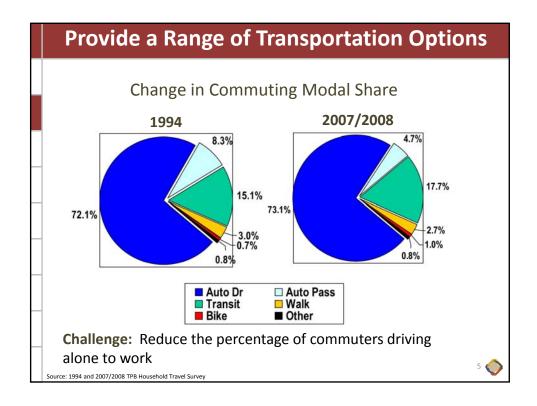


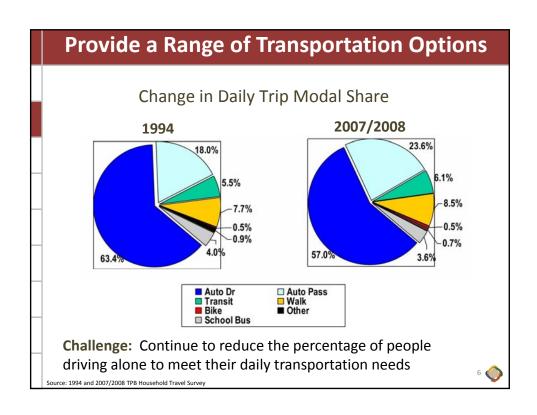
Regional Transportation Goals

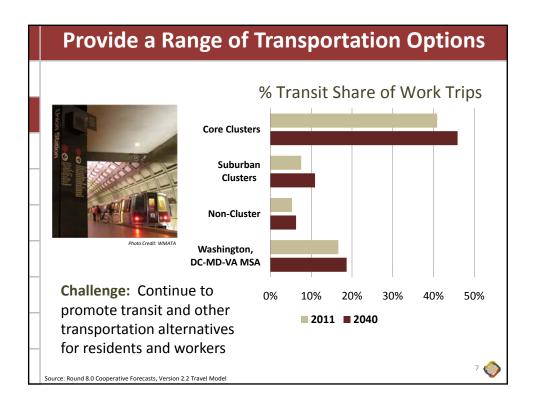
Based on the TPB Vision and COG's Region Forward

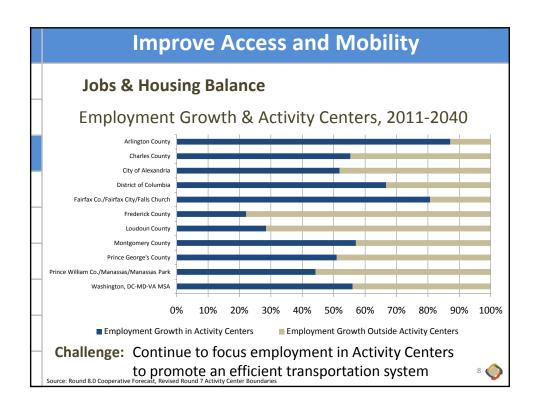
- 1. Provide a comprehensive range of transportation options
- 2. Improve access and mobility
- Prioritize maintenance and preservation of the existing system
- 4. Maximize system effectiveness through management and operations
- Improve safety of all transportation modes and facilities
- 6. Promote transportation connections, walkability and mixed use development in activity centers
- 7. Enhance environmental quality, protect human health and improve energy efficiency
- 8. Contribute to the reduction of regional climate change impacts

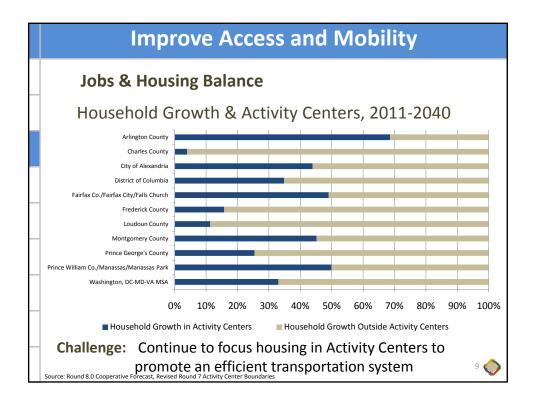


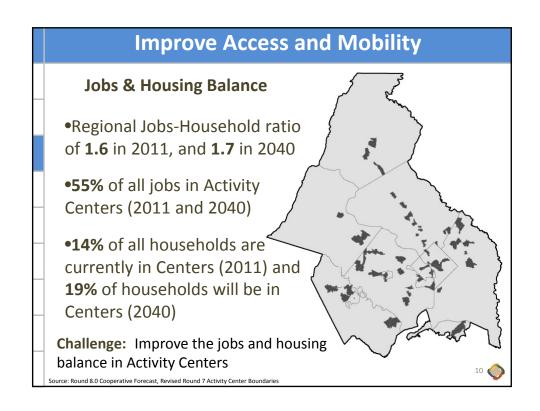


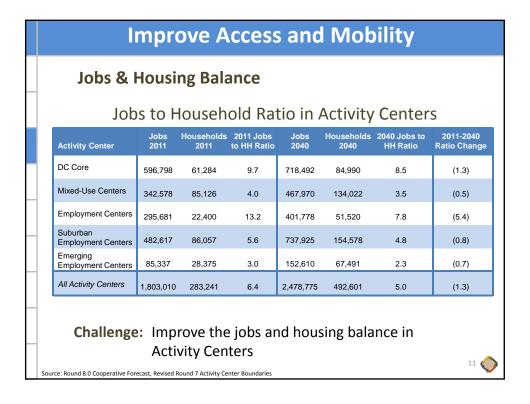


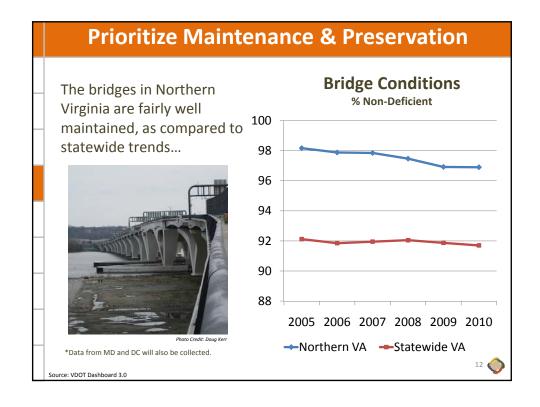


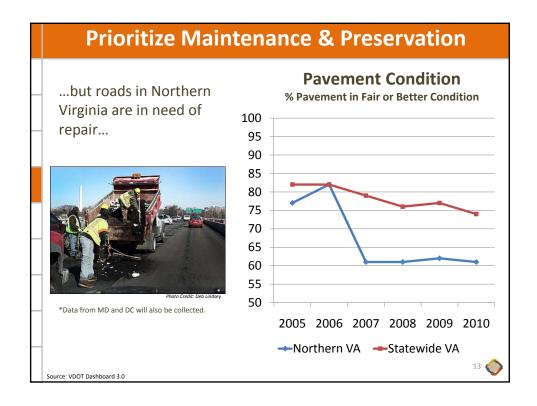


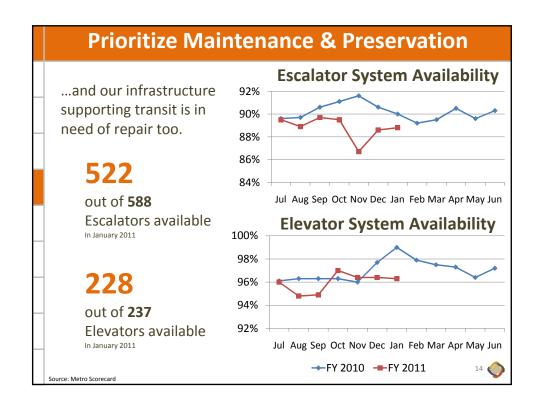


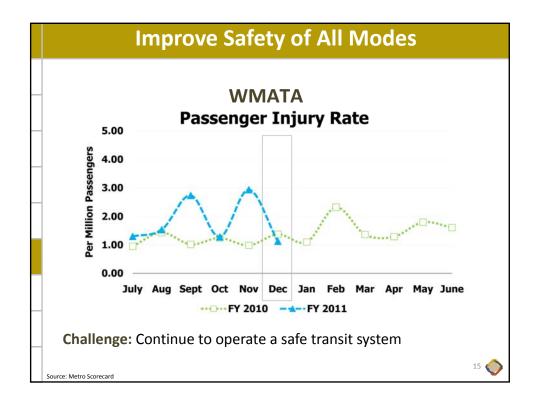












Promote Accessibility between Activity Centers

Average number of other Activity Centers accessible within 45 minutes of a given Activity Center by Transit and Highway

	2011		2040		Change	
	HWY	TRN	HWY	TRN	HWY	TRN
DC Core	25	18	21	18	-4	0
Mixed Use	17	14	14	15	-3	1
Employment	14	9	10	9	-4	0
Suburban Emp.	9	4	7	5	-2	1
Emerging Emp.	6	2	4	3	-2	1

Challenge: Increase accessibility to and from Activity Centers

Source: Round 8.0 Cooperative Forecasts, Version 2.2 Travel Mode

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Next Steps

- Present on additional performance measures to the Priorities Plan Task Force on Apr 20
- Complete performance analysis of the 2010 CLRP
- Develop expanded 2010 CLRP "Brochure"







Alternative formats of this document and all meeting materials are available upon request. Contact Rex Hodgson at (202) 962-3275, TDD (202) 962-3213 or rhodgson@mwcog.org and allow 7 days for preparation of the materials.

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Regional Activity Centers typology DC Core Pedestrian-oriented sidewalk network with an organized street grid/block configuration. Mixed use center Greater than 15,000 jobs and greater than 25 jobs/acre in 2030; AND Greater than 10 housing units per acre employment center Greater than 20,000 jobs and greater than 30 jobs/acre in 2030. suburban employment center Greater than 15,000 jobs and greater than 10 jobs/acre in 2030. emerging employment center Greater than 15,000 jobs in 2030, and greater than 50 percent job growth between 2005 and 2030 OR less than 50 percent commercial buildout in 2030.



Background

- Regional transportation goals based on the TPB Vision and COG's Region Forward
- Examples of transportation performance measures
- Performance measures quantified using 2010 CLRP

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Regional Transportation Goals

Based on the TPB Vision and COG's Region Forward

- 1. Provide a comprehensive range of transportation options
- 2. Improve access and mobility
- 3. Prioritize maintenance and preservation of the existing system
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- 5. Improve safety of all transportation modes and facilities
- 6. Promote transportation connections, walkability and mixed use development in activity centers
- 7. Enhance environmental quality, protect human health and improve energy efficiency
- 8. Contribute to the reduction of regional climate change impacts



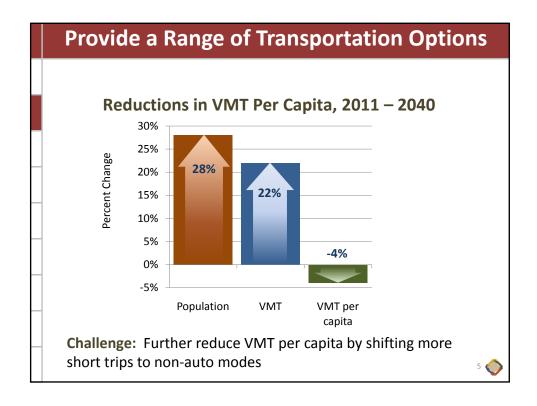
Provide a Range of Transportation Options

Commute Mode Share, 2009 D.C. region is 3rd lowest for % Drive Alone

Metropolitan Statistical Areas	Total Workers	% Drove Alone	% Carpool	% Transit	% Bike or Walk	% Work at Home
New York-Northern New Jersey-Long Island, NY-NJ-PA	8,719,316	50.4%	7.4%	30.3%	6.5%	3.7%
Los Angeles-Long Beach-Santa Ana, CA	5,816,255	73.5%	11.4%	6.1%	3.4%	4.4%
Chicago-Naperville-Joliet, IL-IN-WI	4,422,844	70.9%	9.1%	11.5%	3.6%	3.8%
Dallas-Fort Worth-Arlington, TX	2,945,976	80.1%	11.4%	1.6%	1.5%	4.0%
Washington-Arlington-Alexandria, DC-VA- MD-WV	2,795,375	66.2%	11.1%	13.9%	3.5%	4.4%
Philadelphia-Camden-Wilmington, PA-NJ- DE-MD	2,751,491	73.3%	8.9%	9.2%	4.3%	3.5%
San Francisco-Oakland-Fremont, CA	2,056,454	62.3% Source	10.4% ce: American			

Challenge: Further reduce the percentage of commuters driving alone





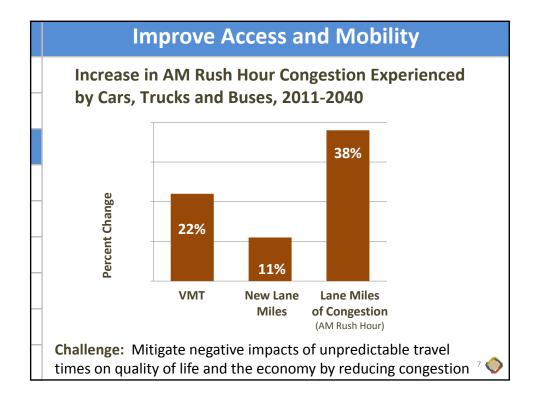
Provide a Range of Transportation Options

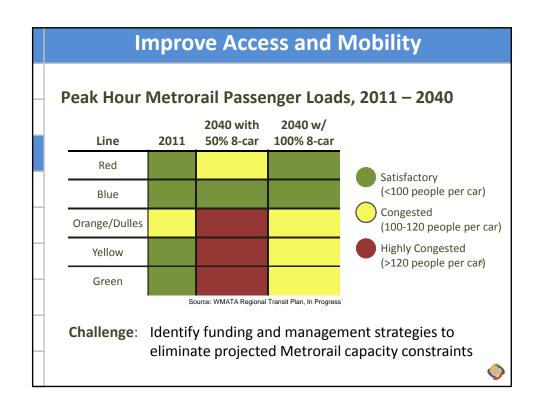
Progress in Implementing the TPB's Bicycle and Pedestrian Plan

Facility Type (in miles)	Existing Facilities in 2010	Planned New Facilities & Upgrades in 2010 Bike-Ped Plan	Total Planned Network for 2040
Bicycle Lane	91	450	541
Shared-Use Path	543	630	1173
Total	634	1080	1714

Challenge: Accelerate the rate of construction for TPB's Bike and Ped Plan, since at the current rate only 60% of the planned facilities will be built by 2040



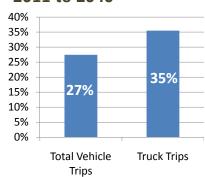




Improve Access and Mobility

Total Value of Goods Movement by all modes in the Region forecast to grow 88% by 2040

Growth in Truck Trips 2011 to 2040





Challenge: Address the significant unmet freight transportation needs identified in the TPB Freight Plan



Improve Access and Mobility

Access for People with Disabilities

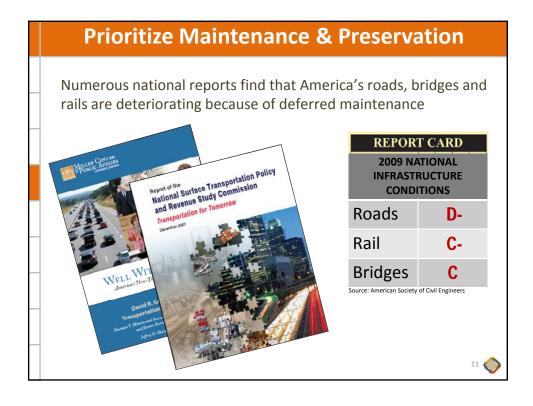
Access to bus, rail and taxis has improved but challenges remain:

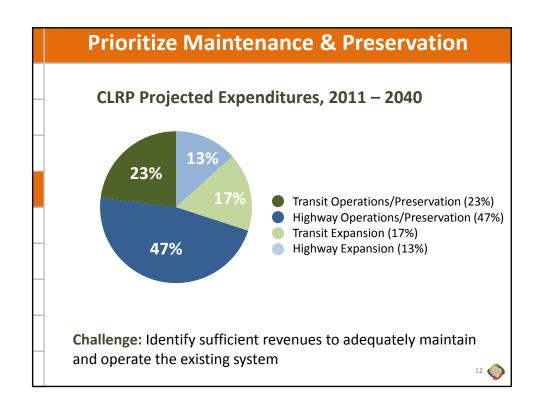
- Reliability of bus lifts and elevators
- Demand and cost of paratransit
- Many bus stops and sidewalks need improvements
 - o About 40 % of the region's 20,000 bus stops are not fully accessible



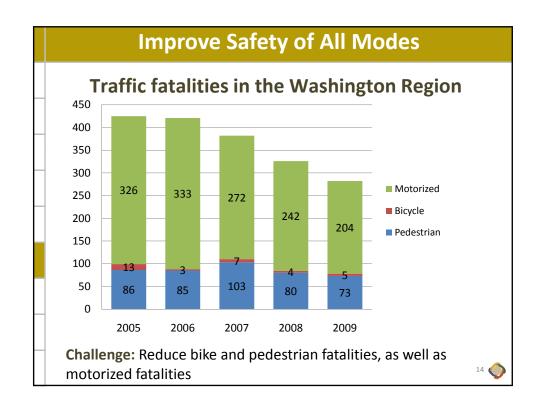
Challenge: Improve reliability, coverage and efficiency of transit services for people with disabilities







Managing Incidents • Approximately 2,000 incidents with possible regional implications are reported each month • MATOC is involved in 50-60 incidents per month • MATOC benefit-cost ratio = 10:1 Challenge: Dedicate sufficient resources to manage incidents



Promote Accessibility of Activity Centers

	2011	2040	
Regional Activity Centers	59	59	
Metrorail Stations	86	98	
Commuter Rail Stations	52	53	
Regional Activity Centers with Rail Transit	31 with rail 25 Metrorail 15 Commuter Rail	37 with rail 31 Metrorail 15 Commuter Rail	
Regional Activity Centers without Rail Transit	28	22	
Rail Stations Not Located in Regional Activity Centers	73 37 Metrorail 36 Commuter Rail	76 39 Metrorail 37 Commuter Rail	

Challenge: Seek opportunities for improving the match of rail transit and Activity Centers



Promote Accessibility of Activity Centers

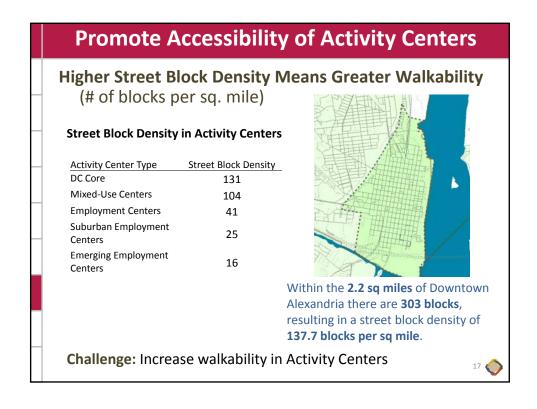
In 2011, most Activity Centers are served by bus transit, and about 2/3 have a high level of access to bus stops.

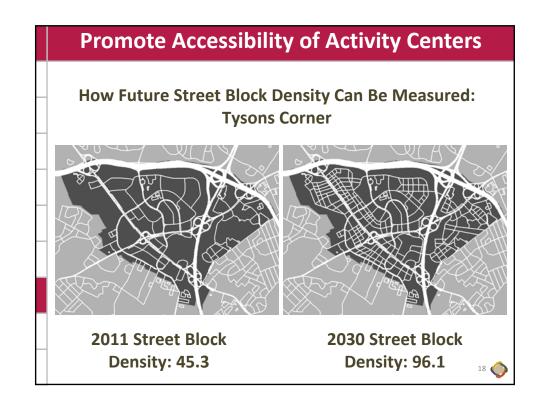
	within 1/4 mile of a bus stop
Centers with High Bus Stop Coverage (>75% Area)	38 (65%)
Centers with Medium Bus Stop Coverage (50%-75% Area)	9 (15%)
Centers with Low Bus Stop Coverage (<50% Area)	9 (15%)
Centers with No Bus Stop Coverage	3 (5%)
(59 Activity Centers in Total)	

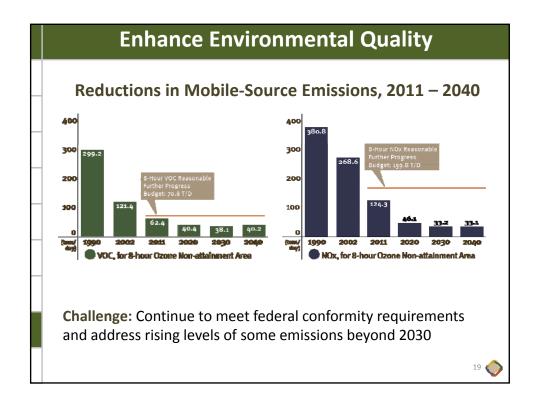
Challenge: Increase bus stop coverage in the Activity Centers

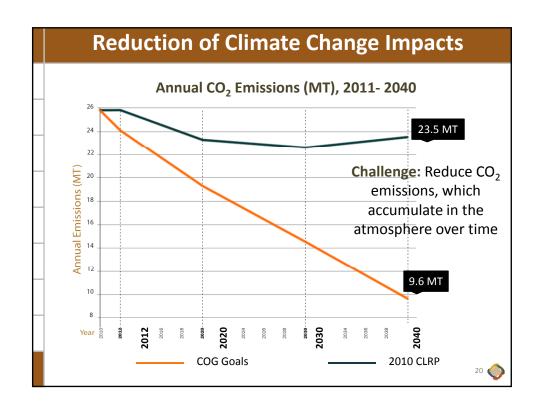








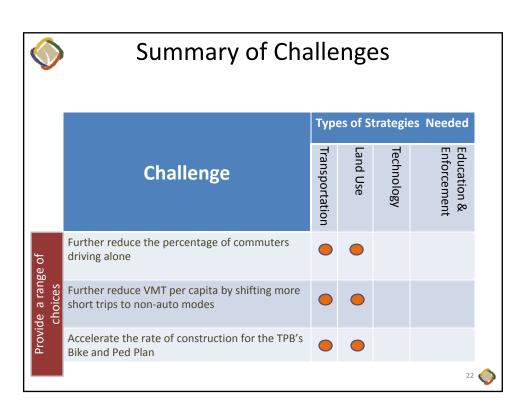


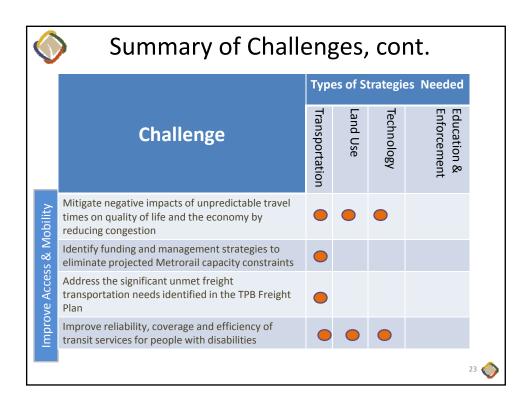


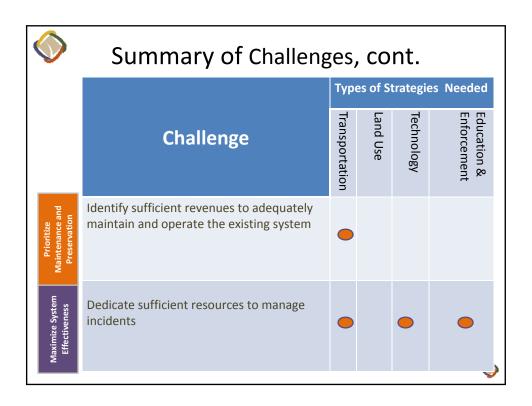
Addressing the Challenges

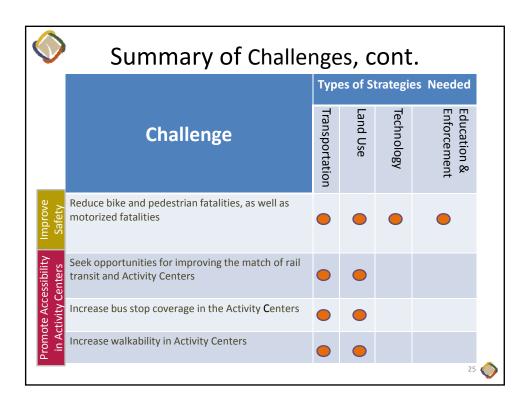
- Many of the challenges cannot be met through transportation strategies alone but will require supportive strategies from other sectors such:
 - Land Use
 - Technology
 - Education & Enforcement

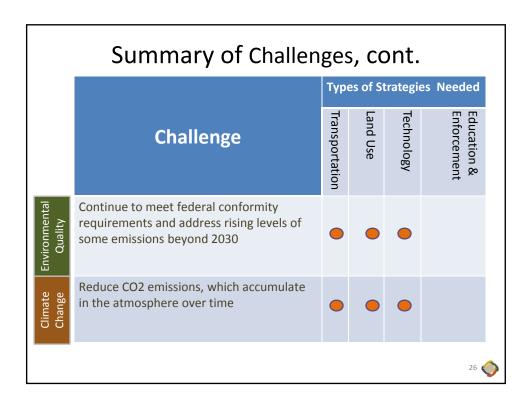












Next Steps

- 2010 CLRP performance analysis to be completed in March
- Measures presented today show key challenges the region is facing
- These challenges should be considered when developing a Priorities Plan
- Priorities Plan "scenarios" can be examined with the same measures



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