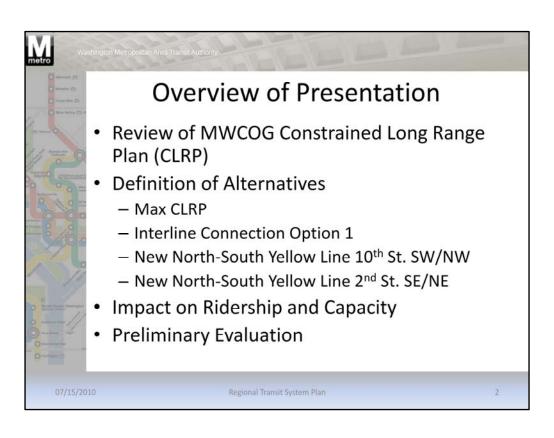
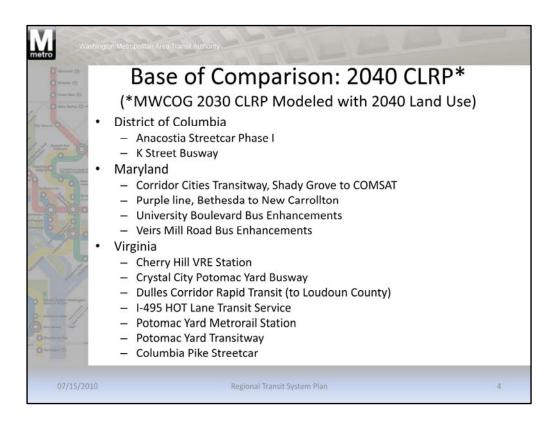


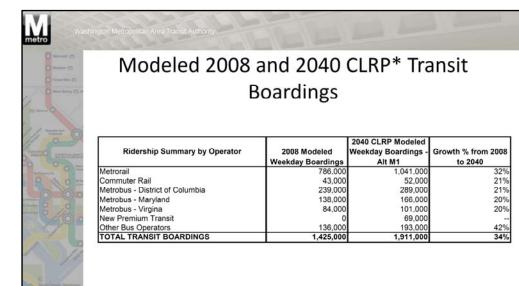
On July 15th, the TAG was presented with results from the first set of model results of the 2040 CLRP and the Rail Interline and North-South Yellow Line Strategies.







The projects above were included in the modeled 2030 CLRP with 2040 Land Use projections.

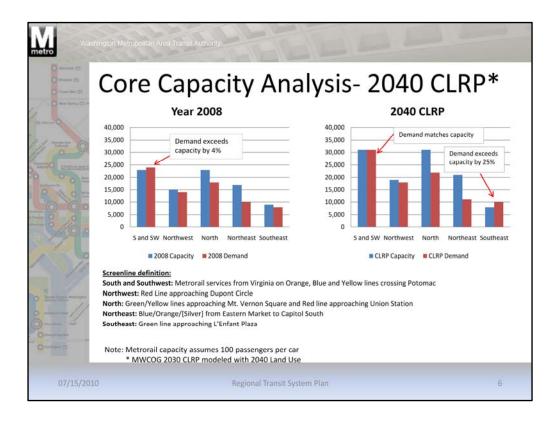


* MWCOG 2030 CLRP modeled with 2040 Land Use

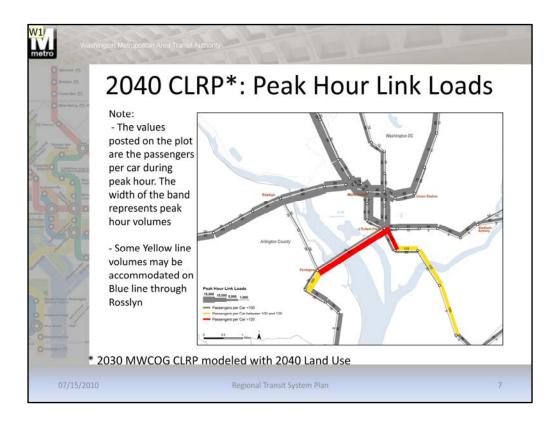
07/15/201

Regional Transit System Plan

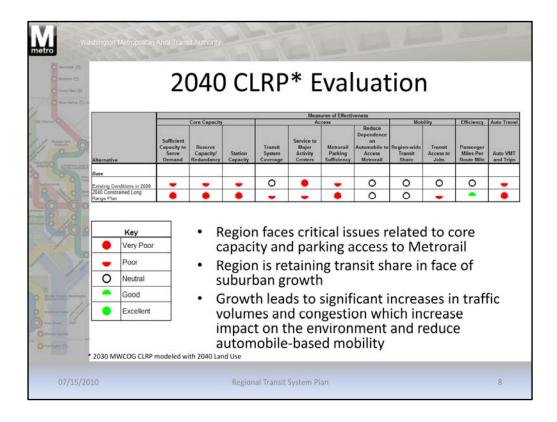
5



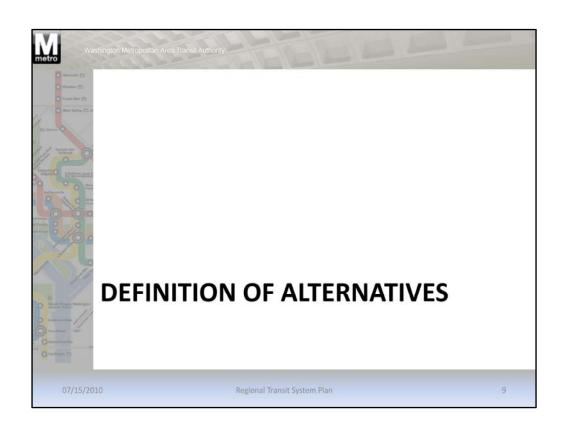
The charts above show the demand and capacity changes on the Metrorail Lines between 2008 and 2040.

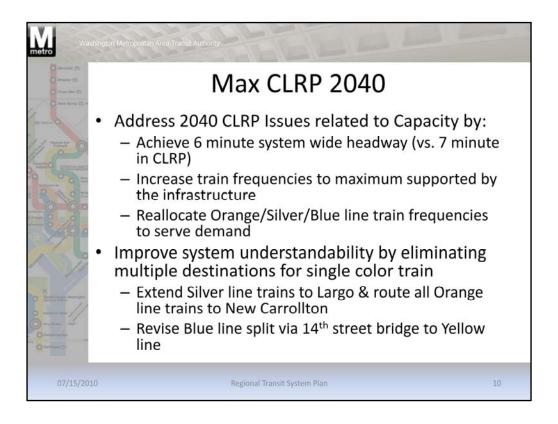


The graphic above shows the peak hour passenger loads on Metrorail trains in 2040. The gray color represents fewer than 100 passengers per car; yellow indicates between 100 and 120 passengers per car and the red represents over 120 passengers per rail car.

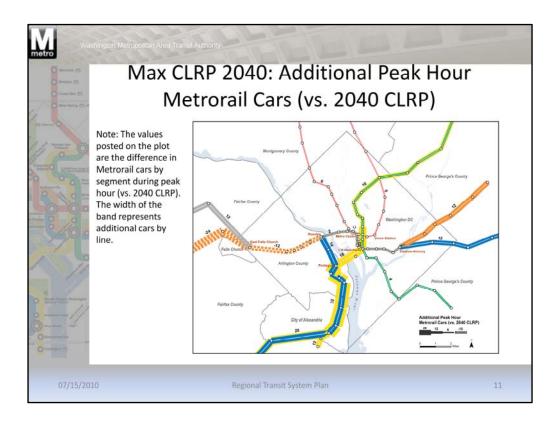


The chart above shows the Measures of Effectiveness between existing conditions in 2008 and 2040 CLRP.

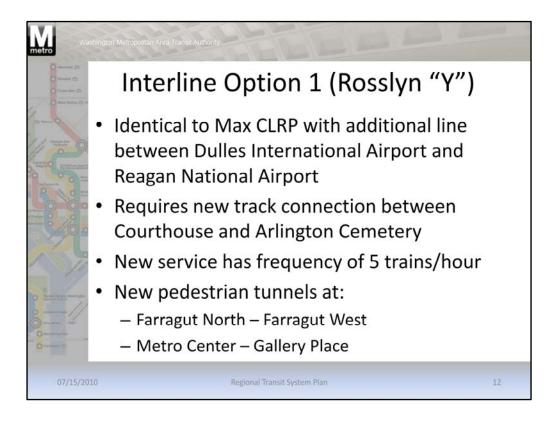




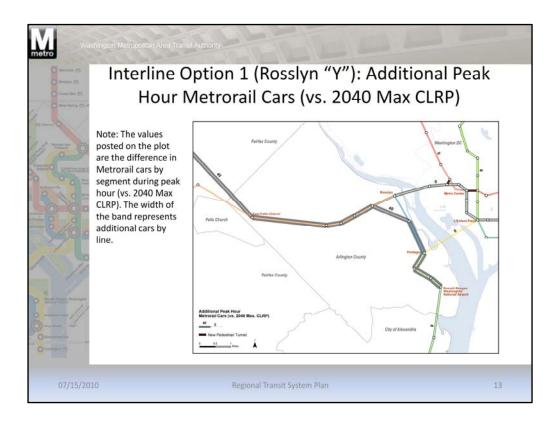
The above slide provides the assumptions incorporated into the modeling exercise for the Max CLRP 2040 baseline.



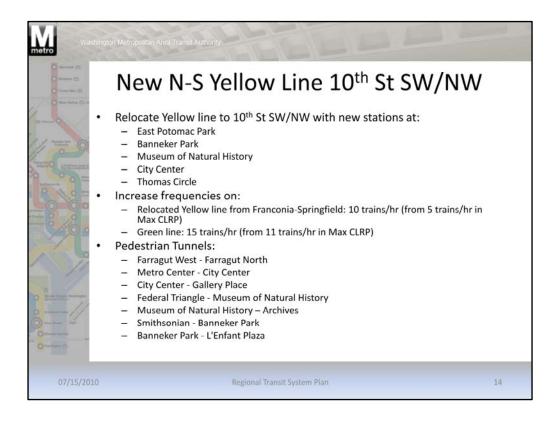
The graphic above shows the additional peak hour rail cars needed using the Max 2040 CLRP, compared to that used in the 2040 CLRP case. The colors represent each Metrorail Line (i.e. Green, Yellow, Orange, Red, Blue and Silver).



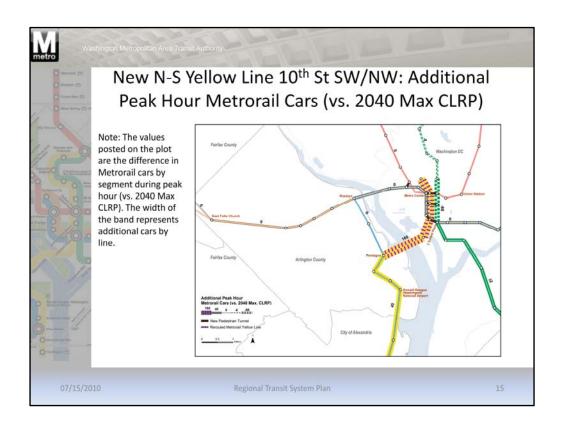
The characteristics and assumptions of the Interline Option 1, or "Rosslyn "Y"", is described above.



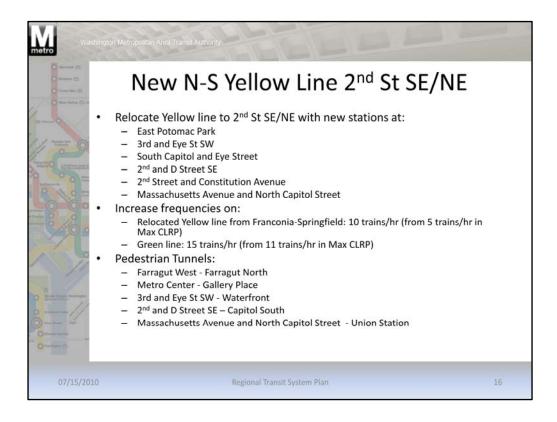
The graphic above shows the additional peak hour rail cars under the Interline Option 1 (Rosslyn "Y").



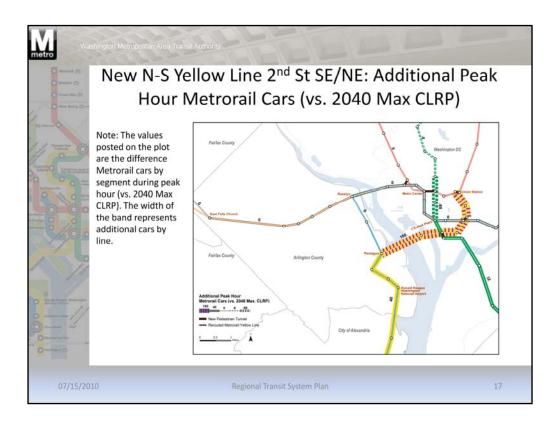
The characteristics and assumptions of the New North-South Yellow Line on 10^{th} Street, SW/NW is described above.



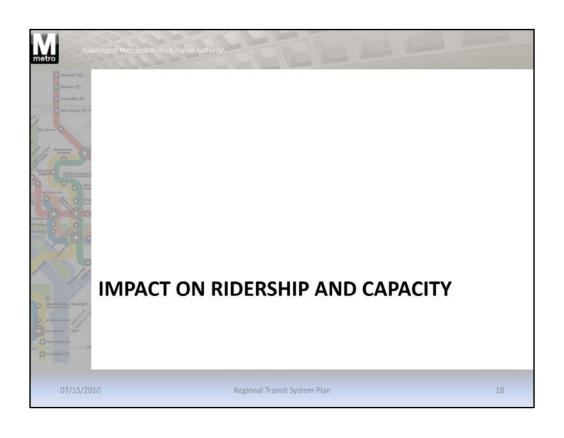
The graphic above shows the additional peak hour rail cars under the New N-S Yellow Line 10th Street, SW/NW Strategy.

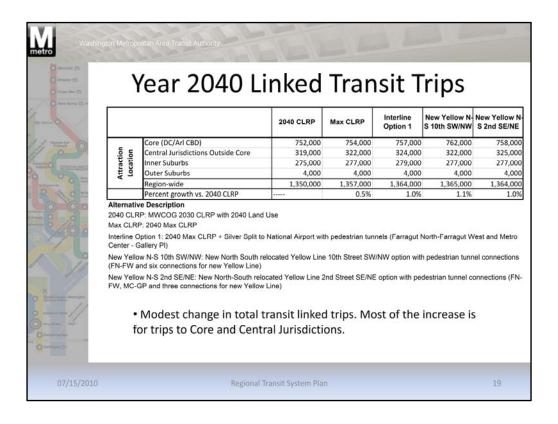


The characteristics and assumptions of the New North-South Yellow Line on $2^{nd}\,$ Street, SE/NE is described above.

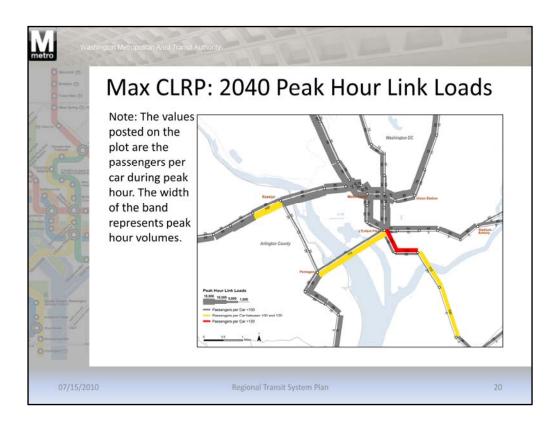


The graphic above shows the additional peak hour rail cars under the New N-S Yellow Line 2^{nd} Street, SE/NE Strategy. Again, additional cars are shown next to each line compared to the 2040 Max CLRP base case.

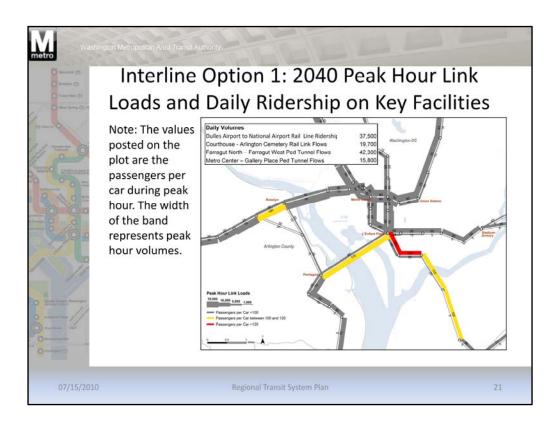




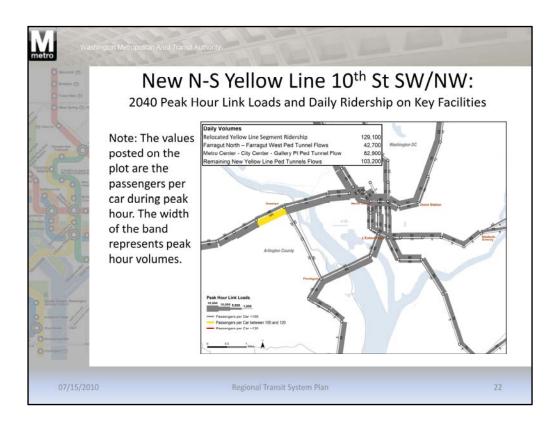
The model results of the aforementioned strategies create a modest change in the total linked transit trips according to the chart above.



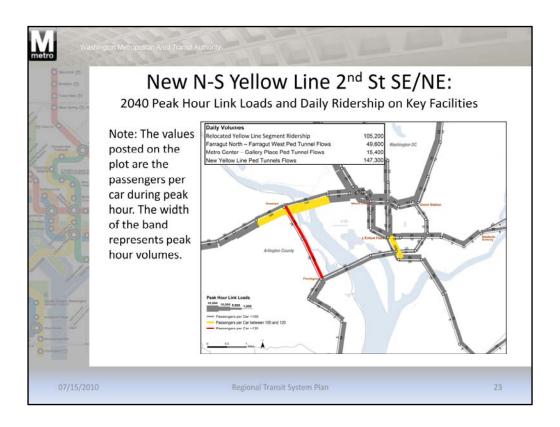
The graphic above shows the peak hour link loads on Metrorail trains in 2040. The gray color represents fewer than 100 passengers per car; yellow indicates between 100 and 120 passengers per car and the red represents over 120 passengers per rail car.



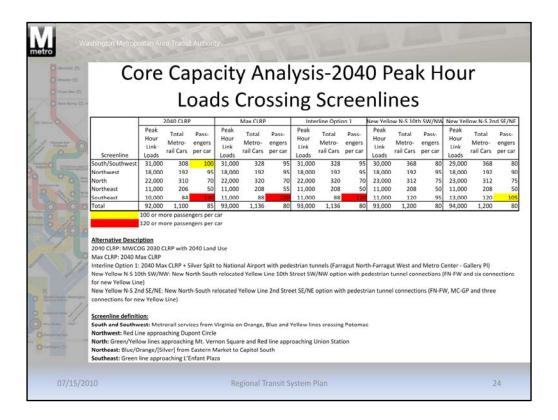
The graphic above shows the peak hour link loads on Metrorail cars and daily ridership at several locations in 2040. The gray color represents fewer than 100 passengers per car; yellow indicates between 100 and 120 passengers per car and the red represents over 120 passengers per rail car.



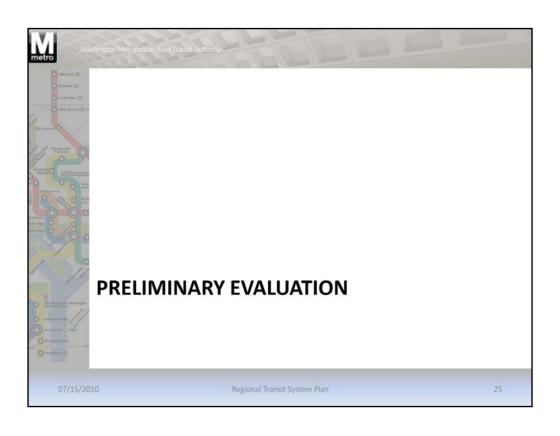
The graphic above shows the peak hour link loads on Metrorail cars and daily ridership at several locations in 2040 with the new North-South Yellow Line on 10th Street, SW/NW. The gray color represents fewer than 100 passengers per car; yellow indicates between 100 and 120 passengers per car and the red represents over 120 passengers per rail car.

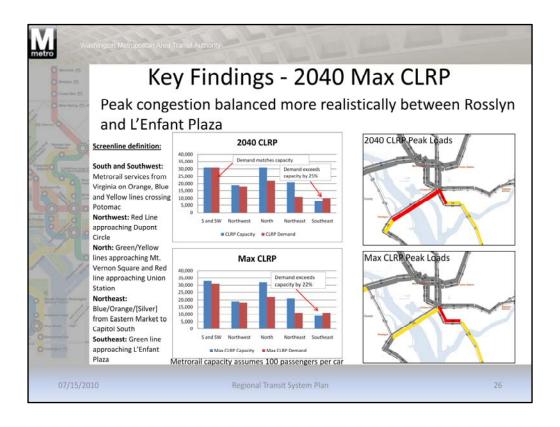


The graphic above shows the peak hour link loads on Metrorail cars and daily ridership at several locations in 2040 with the new North-South Yellow Line on 2nd Street, SE/NE. The gray color represents fewer than 100 passengers per car; yellow indicates between 100 and 120 passengers per car and the red represents over 120 passengers per rail car.



The graphic above shows the peak hour loads crossing screenlines for the 2040 CLRP and Max CLRP and the three strategies: Interline Option 1; New Yellow Line N-S on 10th Street; and New Yellow Line N-S on 2nd Street.

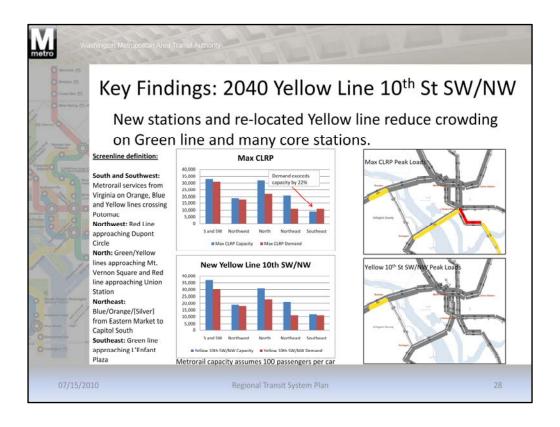




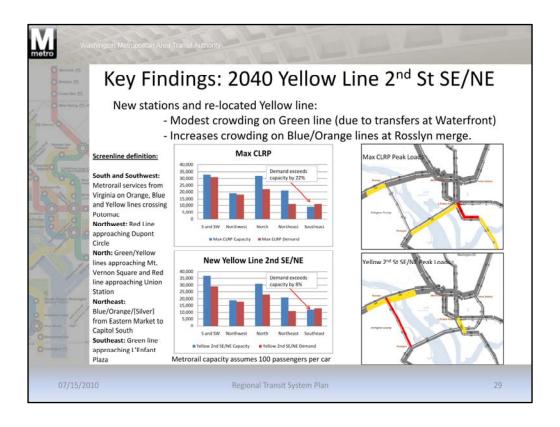
The slide above provides a synopsis of some of the key findings associated with the modeled 2040 Max CLRP.

icey i iii	dings: 2040 Interline Op	tion 1	. (Ross
• Rette	r intra-Virginia service via airp	ort-to-	airnort
	Thomas in the said		3
 Loads 	on new rail line do not justify	8-car t	rains.
	Key differences due to Interline Option 1 (vs. Max CLRP)	2040 Max CLRP	Interline Option 1 (Rosslyn "Y")
	Number of Metrorail cars during peak hour:		
	Arlington Cemetery to Courthouse		40
	Clarendon to Courthouse	160	200
	Courthouse to Rosslyn Passengers per car (during peak hour):	160	160
	Arlington Cemetery to Courthouse		30
	Clarendon to Courthouse	95	76
	Courthouse to Rosslyn	102	98
	Silver Line Dulles - National New Users (vs. Max CLRP)		17,500
	Pedestrian Tunnel Daily Flows:		00,000,00
	Farragut North - Farragut West	****	42,300
	Metro Center - Gallery Place		15,800
	Station Boarding/Alighting	V-810000000	44,000
	Farragut West	41,000	

The slide above provides a synopsis of the findings associated with the modeled 2040 Interline Option 1 (Rosslyn "Y").



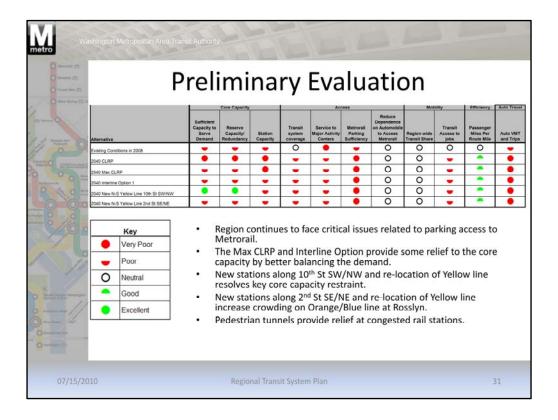
The slide above provides a synopsis of some of the key findings associated with the modeled 2040 New Yellow Line on 10^{th} Street.



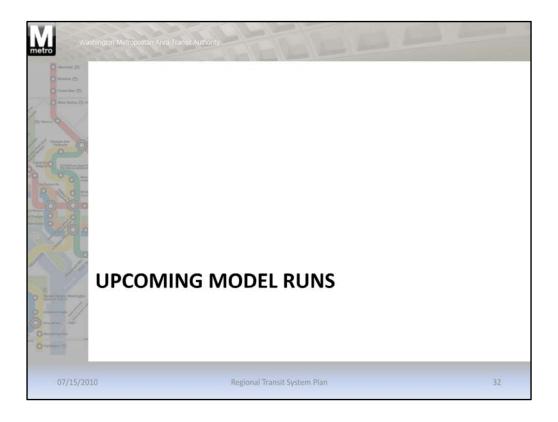
The slide above provides a synopsis of some of the key findings associated with the modeled 2040 New Yellow Line on 2nd Street.

Metro Service Co Grant Ser Co Service Co Service Service Co S			2040 New Yellow St SW/NW vs. 2 nd St S			nt	
1 - O				New Yellow N- S 10th SW/NW	New Yellow N- S 2nd SE/NE		
8 10			Metrorail Boardings (Delta % vs. Max CLRP) Metrorail Linked Trips (Delta % vs. Max CLRP) Passengers per car (at screenline crossings):	-1.3% 1.5%			
000			South and Southwest Northwest	80 95			
			North Northeast Southeast	75 50 95	50		
	•	2 nd St SE/NE Yellow line is not aligned well with travel demand resulting in greater demand on: — Blue line through Rosslyn — Green line via transfer at the Waterfront/SEU station					
07/15/201	10		Regional Transit System Plan			30	

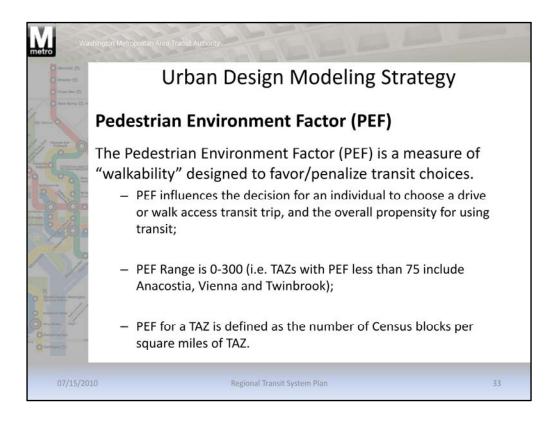
The slide above provides a comparison of the impact of both of the New Yellow Lines (10^{th} and 2^{nd} Streets) on Metrorail Boardings; Linked Trips; and Passengers Per car in 2040.



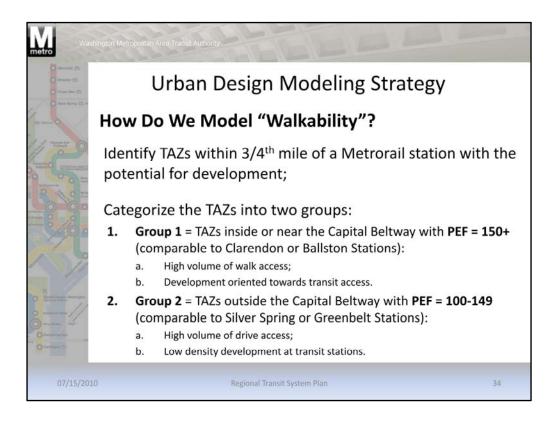
The chart above shows how each strategy performed according to the Measures of Effectiveness.



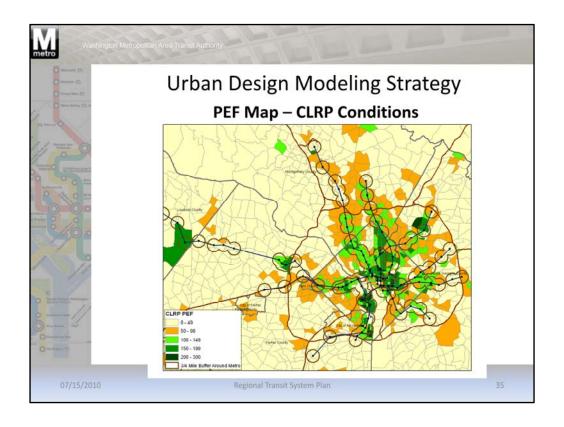
Model runs of additional strategies will occur in the future.



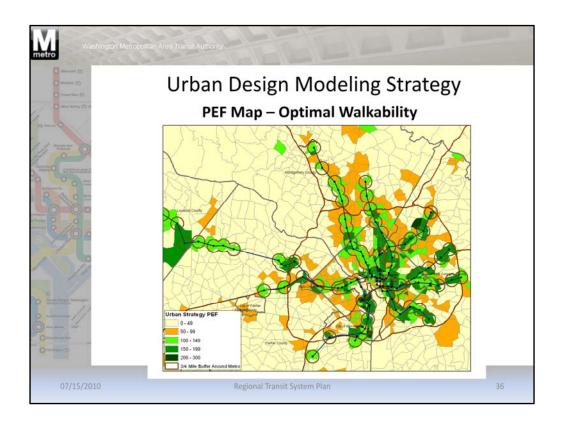
In order to determine the impact more walkability would have on increasing transit use, we will utilize the Pedestrian Environment Factor (PEF), which informs an individuals mode of access to a transit trip to model walkability.



The slide above explains the categories of "walkability" we have developed using the PEF. The Transportation Analysis Zones (TAZ's) were separated into two categories: those inside or near the Capital Beltway (Group 1) and those TAZ's outside the Capital Beltway. Typically, those stations with high walk access and transit oriented development tended to have high PEF's and those with less walk access (i.e. no sidewalks or more drive access transit stations) had lower PEF's.



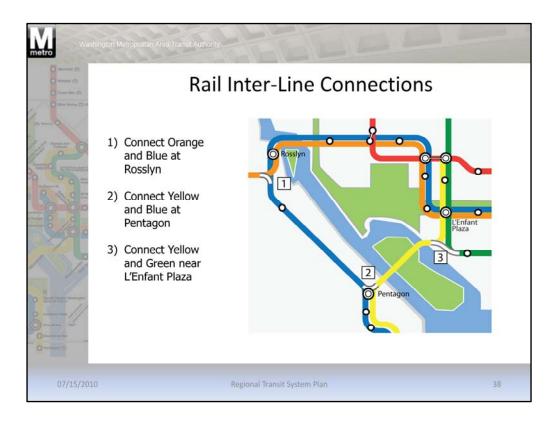
The graphic above shows the existing PEF based on CLRP Conditions.



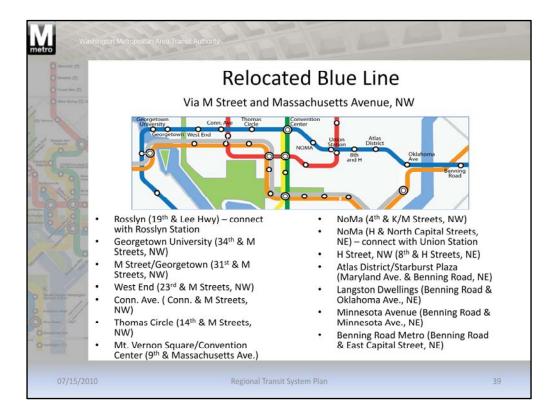
The graphic above shows the increase in PEF's if the pedestrian environment and walkability were enhanced around Metrorail stations.

Parking Capacity Relief						
Metrorail Segment	2040 Metrorail Parking Utilization	Parking Remedy/Location				
Red-Line-New York Avenue-Takoma	113%	Commercial Lots				
Red-Line-Shady Grove-Grosvenor	94%	Urbana (South Lot) - MD 80 & I-270				
Red Line - Silver Spring - Glenmont	123%	Burtonsville (US 29 & MD 198); Calvert County Fairgrounds				
Green Line - Greenbelt - West Hyattsville	89%	Commercial Lots				
Green Line - Waterfront-Congress Heights	102%	Equestrian Center (MD Rt. 4 & Water Street)				
Green Line - Southern Avenue - Branch Avenue	126%	St. Charles Towne Ctr @ JC Penney and Dick's Sporting Goods (11110 Mall Circle); and behind JoAnn's (MD 301 & Smallwood Drive)				
Yellow/Blue Line - Fran-Springfield, Van Dorn & Huntington	121%	Fredericksburg to Franconia Springfield Metro NEW; Prince William Pkwy (PRTC) NEW; Rte 610 Rt 1 NEW; Lorton Park -and -Ride/Rte. 123; Lorto Park-and-Ride to Ft. Belvoir; to EPG or to DC				
Orange Line- Vienna/Fairfax - West Falls Church	87%	Fairfax Corner; Stringfellow Road; Centreville at US 29/Lee Highway; Bull Run @ 234/Sudley Road VA 234 Bypass @ US 29; Gainesville at US 29; and Haymarket @ US 15				
Orange Line - East Falls Church Court- House	134%	Commercial Lots				
Blue Line - Benning Road-Largo Town Center	133%	Harry S. Truman				

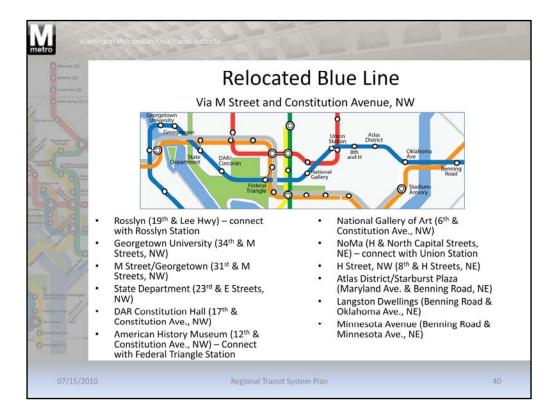
The Parking Capacity Relief Spreadsheet above shows the Metrorail Station parking utilization by line segment and some existing and potential parking lots where additional parking can be accommodated near the Metrorail Station. The Parking Capacity Relief Strategy will evaluate potential park-n-ride locations in the region and the potential for Metro-operated shuttle buses to service those parking lots.



The graphic above shows three locations where rail "interlining" (Definition: When different trains operate on the same route or line) can occur to relieve some of the pedestrian congestion at high transfer/ridership Metrorail Stations.



The graphic above shows potential stops along a relocated Blue Line which could serve those areas not currently easily accessible to Metrorail. This proposed alignment follows Massachusetts Avenue, NW, serving the NoMa Neighborhood in Northeast; Union Station and proceeding East along an alignment parallel with H Street/Benning Road, Northeast.

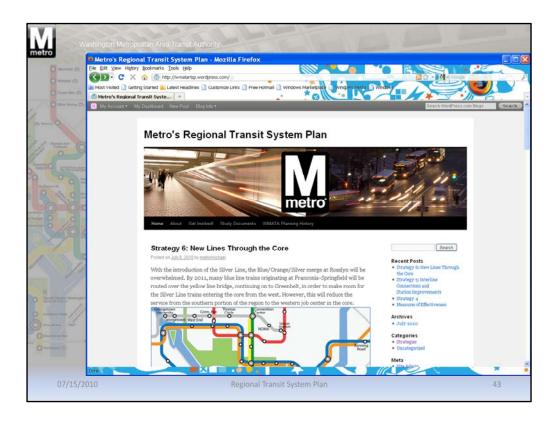


The graphic above shows potential stops along a relocated Blue Line which could serve those areas not currently easily accessible to Metrorail in near the National Mall. This proposed alignment follows M Street and Constitution Avenues, NW, serving the State Department; DAR Constitution Hall; the National Galleries; Union Station and proceeding East along an alignment parallel with H Street/Benning Road, Northeast.

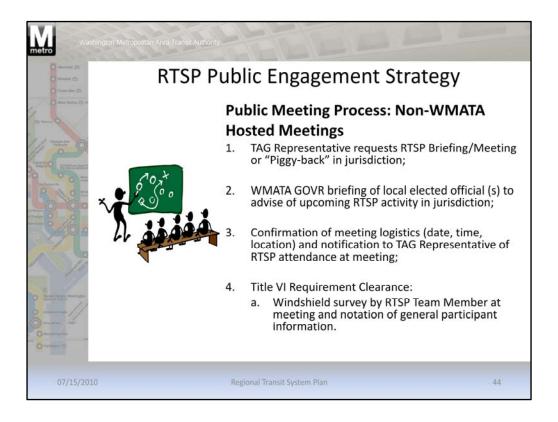




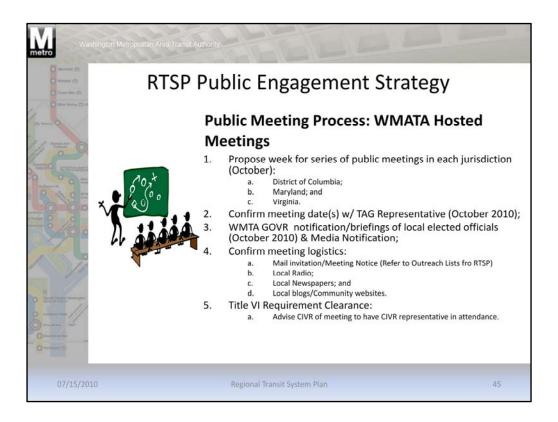
The RTSP Team Members will utilize several methods in our Public Engagement "Tool-Kit", to inform and educate stakeholders on the RTSP.



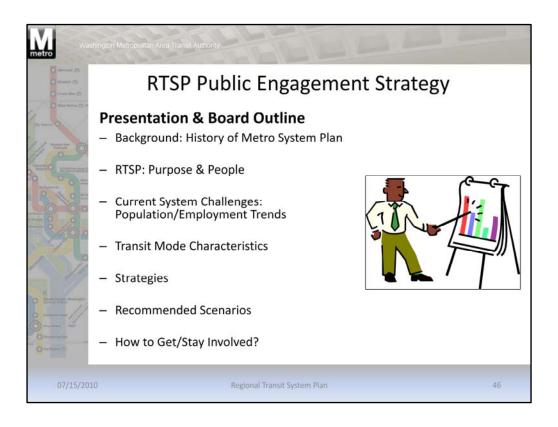
The graphic above shows a DRAFT screenshot of the proposed Office of Long Range Planning's Blog with information on the RTSP.



The slide above outlines the process by which Metro will engage the public in the respective TAG jurisdictions.



The slide above outlines the process by which Metro will engage the public in Metro-hosted meetings and workshops.



The slide above provides the proposed content of the project boards that will be developed for the RTSP public meetings and workshops.