# White Flint Sector Plan Mobility and Transportation Network

Planning Board Worksession #1 February 12, 2009

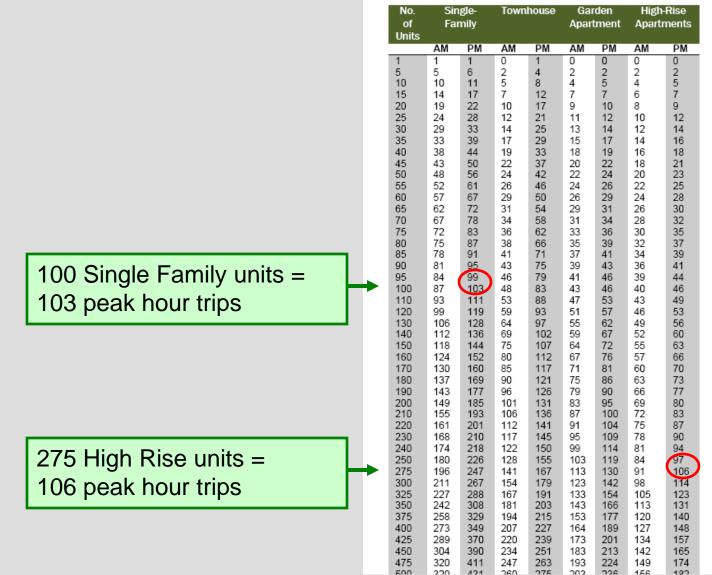
**Discussion Topics** 

- 1. More Efficient Travel Behavior
- 2. Land Use / Transportation Balance
- 3. Recommended Infrastructure
- 4. Recommended Policies
- 5. Implementation and Staging

#### Considerations

- Density
- Diversity
- Design
- Destinations
- Distance to transit

DENSITY



#### DESIGN

Table 5

Graduated and Maximum Trip Credits Related to Congestion Standards

Non Automobile Termonentation Facility	Trip Credit vs Congestion Standard			
Non-Automobile Transportation Facility	1350-1500	1550-1600	1800	
100 linear feet of five-foot wide sidewalk	0.5	0.75	1.0	
100 linear feet of eight-foot wide bike path	0.5	0.75	1.0	
Curb Extension/Pedestrian Refuge Island/Handicap Ramp	2.0	3.0	4.0	
Accessible or Countdown Pedestrian Signals/ Intersection	1.0	2.0	3.0	
Bus Shelter	5.0	7.5	10.0	
"Super" Bus Shelter	10.0	15.0	20.0	
Bus Bench with Pad	0.5	0.75	1.0	
Information Kiosk	1.5	3.0	4.5	
Bike Locker (set of eight)	2.0	3.0	4.0	
Real-Time Transit Information Sign	10.0	15.0	20.0	
Static Transit Information Sign	0.25	0.4	0.5	
Maximum Trip Credits	60	90	120	

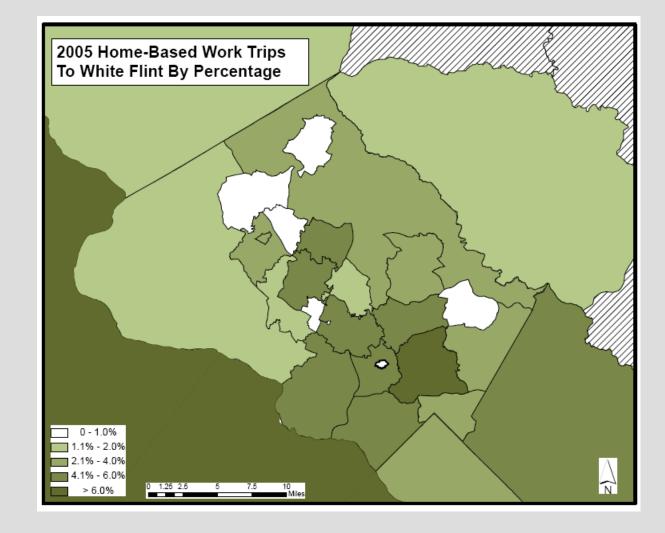
#### DIVERSITY - RESIDENTIAL COMMUNITIES

	Characteristics of High Rise Residential Development			
	Silver Spring	Bethesda	North Bethesda	Countywide
Number of units	6775	11105	3500	36695
Average age	37.2	50.2	57.9	48.4
Percent 5-17	13%	3%	3%	7%
Percent 65+	13%	7%	40%	31%
Average HH Size	1.64	1.45	1.40	1.56
Median HH Income	\$47,385	\$77,650	\$56,340	\$51,970
Percent rental	96%	58%	53%	68%
Average monthly rent	\$1,187	\$1,594	\$1,495	\$1,241
Average monthly to own	n/a	\$1,397	\$1,293	\$1,137
Average # cars	0.9	1.0	1.1	1.0
Employees/unit	1.06	0.88	0.72	0.85
% Drive alone to work	48%	53%	53%	57%
% Transit to work	40%	23%	38%	29%

#### White Flint is a niche in continuum between Silver Spring and Bethesda

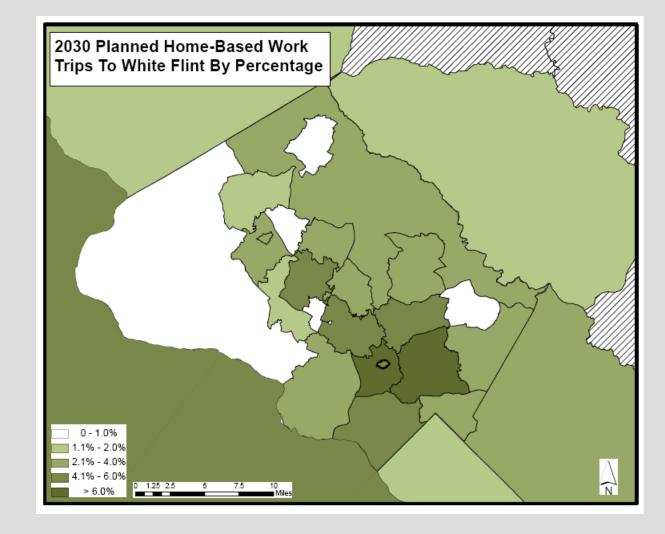
#### DIVERSITY AND DESTINATIONS

- White Flint "donut"
- Circumferential
   travel
- Corridor cities

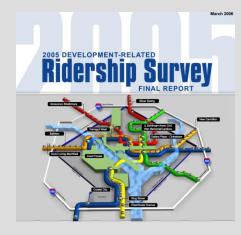


#### DIVERSITY AND DESTINATIONS

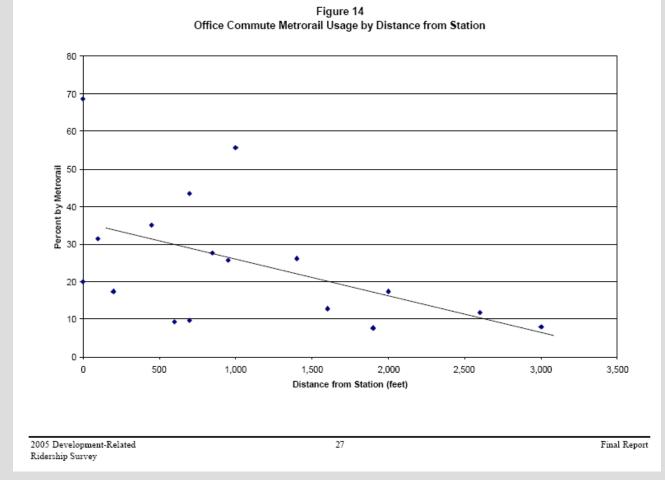
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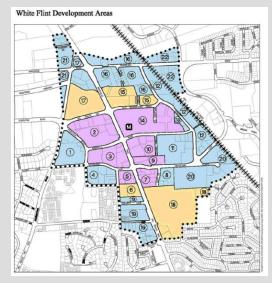
#### DISTANCE TO TRANSIT



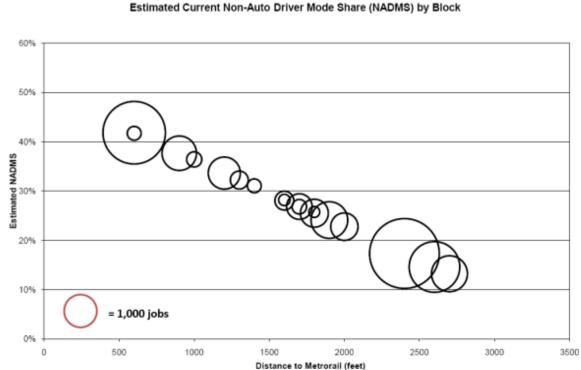
Mode shares decrease linearly with door-to-door distance to transit



#### DISTANCE TO TRANSIT



Currently, most jobs are not close to Metrorail



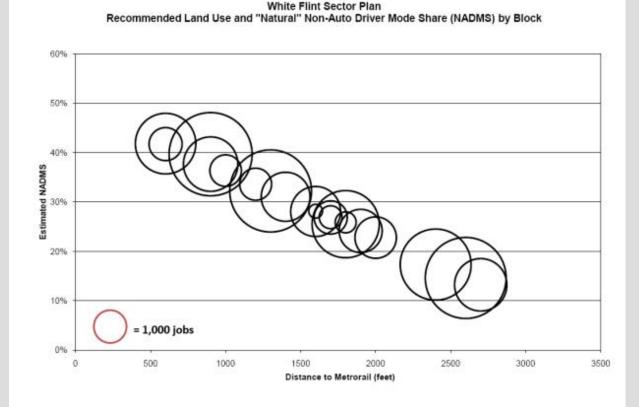
White Flint Sector Plan Estimated Current Non-Auto Driver Mode Share (NADMS) by Block

#### DISTANCE TO TRANSIT

White Flint Development Areas



Planned land use improves density proximity to Metrorail

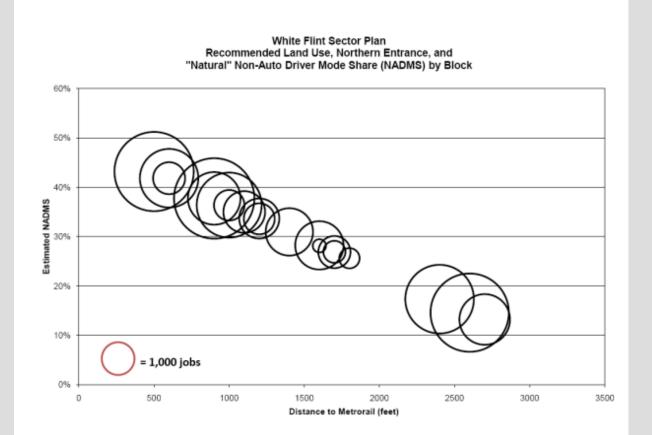


#### DISTANCE TO TRANSIT

White Flint Development Areas



Northern Metrorail station entrance further improves proximity to Metrorail



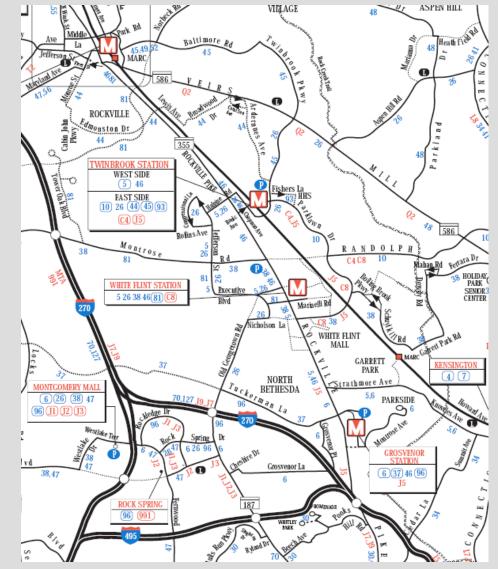
### CURRENT CONDITIONS – TRANSIT AND TDM

#### White Flint Employees

- 74% drive to work (61% goal)
- 20% take transit (2/3 rail)
- 6% walk/bike/other

### White Flint Residents

- Focus on high-rise
- 0.7 employees/residence
- 58% drive to work (72% goal)



#### MORE EFFICIENT TRAVEL

Figure 29: Local Area Model Peak Hour Trip Generation					
Land Use	Units	AM	PM		
Office (at 26% NADMS)	1000 Square Feet	1.36	1.28		
Office (at 39% NADMS)	1000 Square Feet	1.22	1.16		
Retail (at 26% NADMS)	1000 Square Feet	0.70	1.75		
Retail (at 39% NADMS)	1000 Square Feet	0.67	1.70		
Industrial (at 26% NADMS)	1000 Square Feet	1.10	1.10		
Industrial (at 39% NADMS)	1000 Square Feet	1.03	1.03		
Other Commercial(at 26% NADMS)	1000 Square Feet	1.30	1.30		
Other Commercial(at 39% NADMS)	1000 Square Feet	1.21	1.21		
Multi-family residential	Dwelling unit	0.40	0.46		

White Flint Sector Plan Comparison of Scenario 2A Trip Generation Esimates PM Peak Hour - All Trip Types and Purposes

Scenario

Sector Plan, planned TDM



#### Featured Stories

REALIZING THE POTENTIAL: ONE YEAR LATER How has the market downturn played out

along five transit corridors in five very different markets?

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LATR Countywide

#### New TCRP Research Shows ITE Overestimates Trips in TOD by 50%

by G.B. Arrington

Vehicles

10000.0

0.0

The Results Are In: TODs Really do Produce Fewer Car Trips

You drank the Kool-Aid; you know that if you link transit and land use to create transit-oriented development (TOD) the result is fewer cartrins and a host of henefits. From Portland to Miami, Boston to Los Angeles, a

#### Current conditions

- The Pike
- Transit and TDM

### Staff Analysis Tools

- TRAVEL/3 travel demand model
- Cordon Line Analyses
- Local Area Model (LAM)

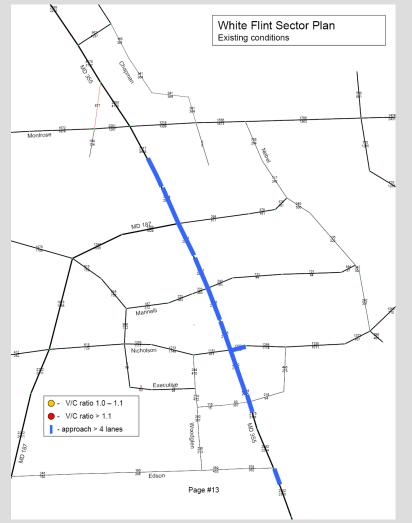
#### County Council findings

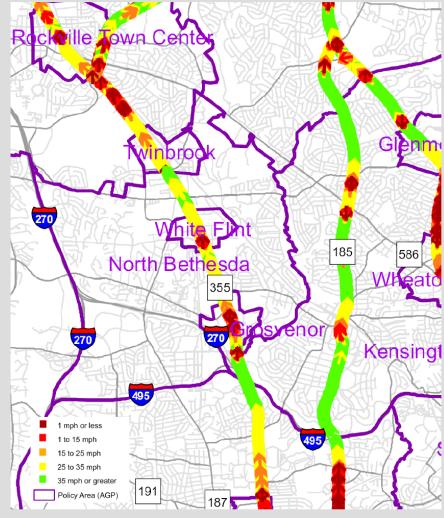
- Policy Area Mobility Review
- Local Area Transportation Review

#### <u>Other</u>

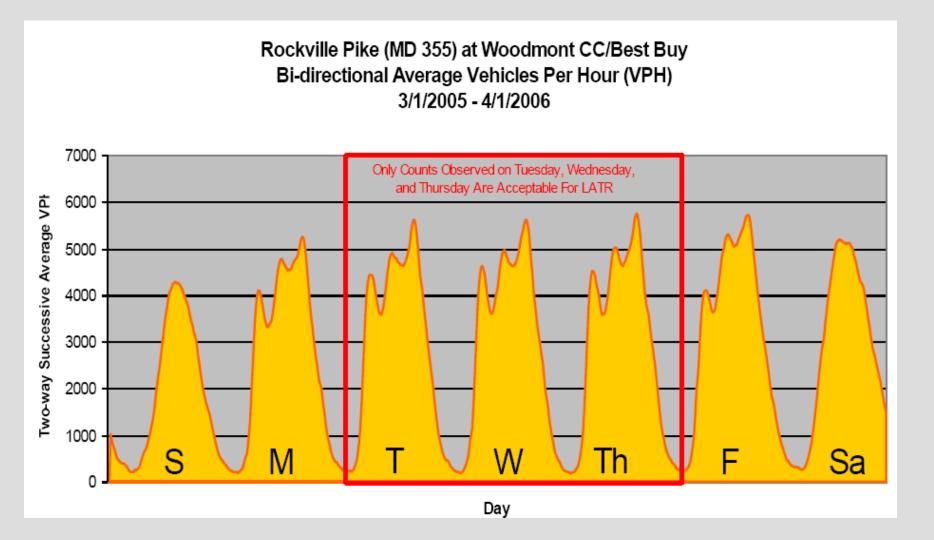
- Metrorail capacity
- Zoning capacity / flexibility

#### CURRENT CONDITIONS – THE PIKE

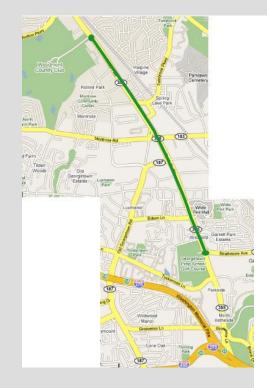




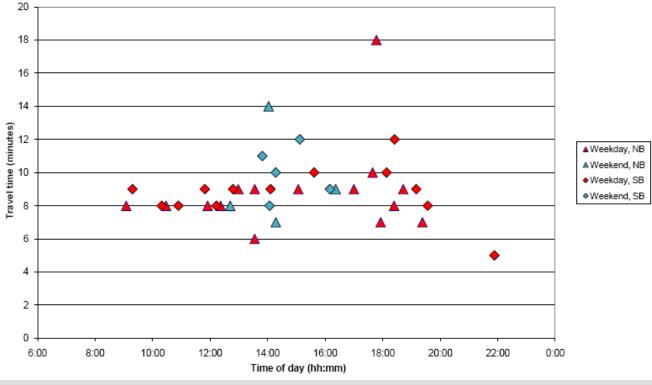
#### **CURRENT CONDITIONS – THE PIKE**



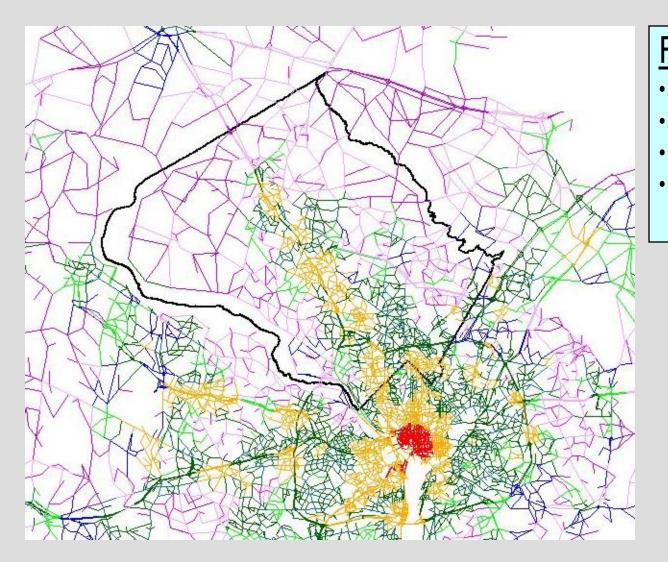
#### **CURRENT CONDITIONS – THE PIKE**



"Scaling Pikes Peak" Observed travel times on Rockville Pike (MD 355) between Strathmore Avenue and Woodmont Country Club



#### ANALYSIS TOOLS – TRAVEL/3 MODEL



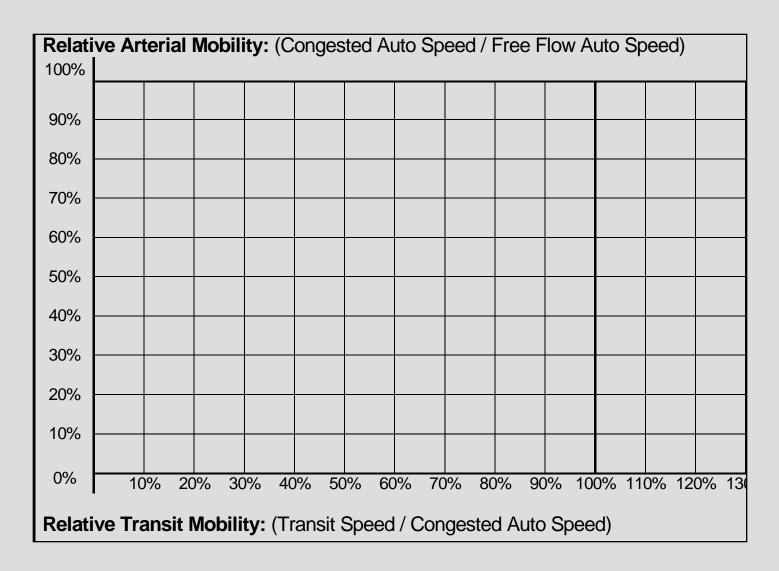
### Four-step model

- Trip generation
- Trip distribution
- Mode choice
- Trip assignment



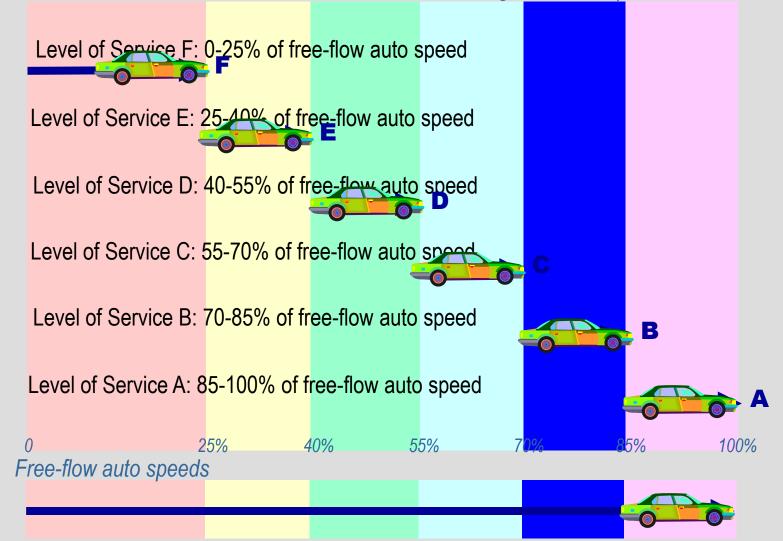


#### POLICY AREA MOBILITY REVIEW – WHAT DOES IT MEAN?

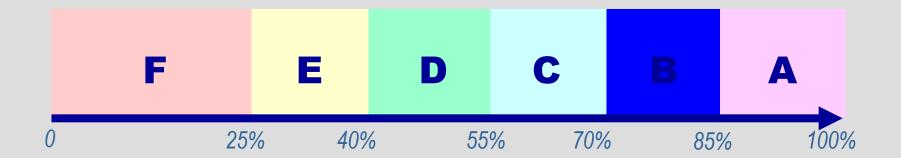


### PAMR: Arterial Level of Service

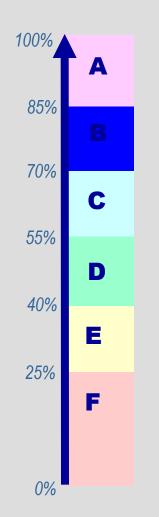
#### Congested auto speeds



# PAMR: Arterial Level of Service

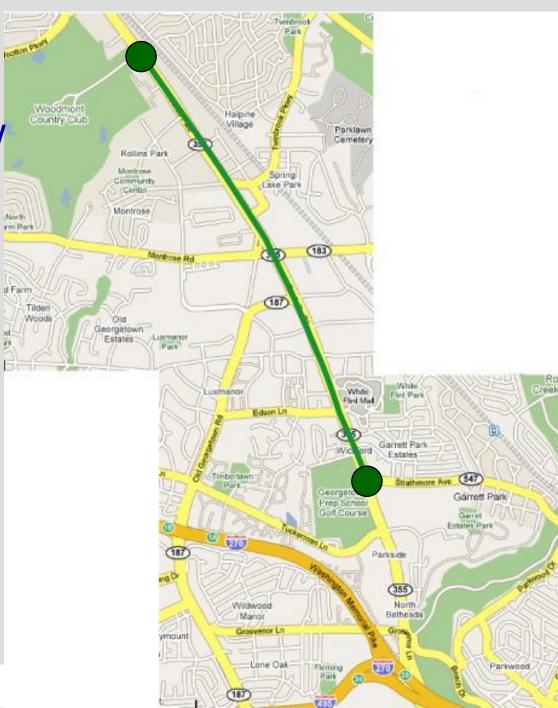


# PAMR: Arterial Level of Service



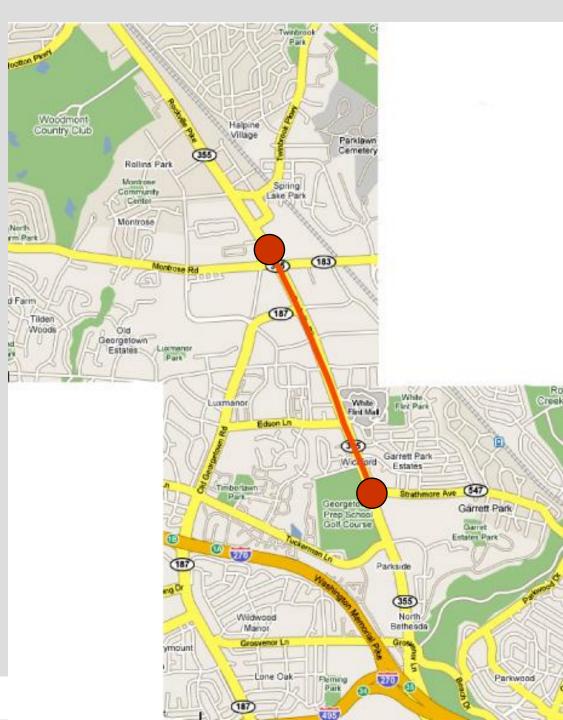
Arterial Level of Service: Free-flow Conditions

- 2.7 miles
- 40 mph
- 4 minutes



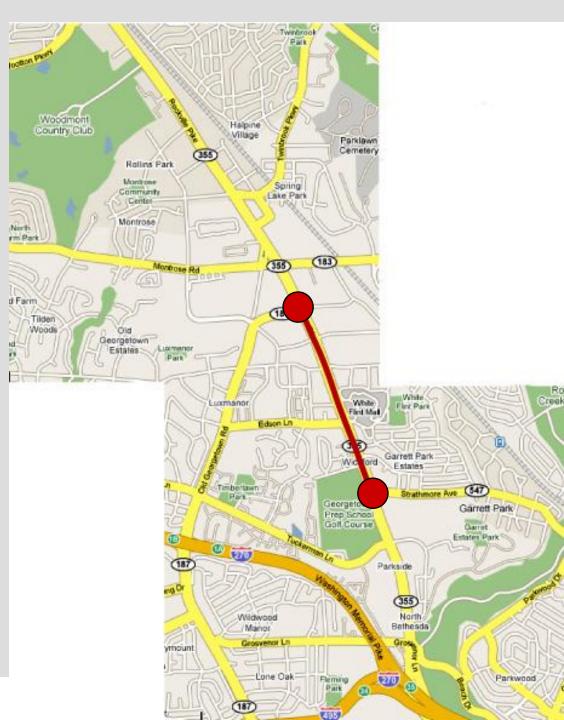
Arterial Level of Service: LOS C

- 55% of free-flow speed
- 22 mph
- 1.5 miles
- 4 minutes



Arterial Level of Service: LOS D

- 40% of free-flow speed
- 16 mph
- 1.1 miles
- 4 minutes

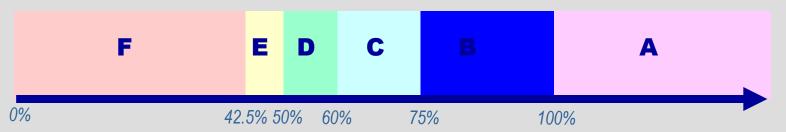


### **PAMR: Transit Level of Service**



# PAMR: Transit Level of Service

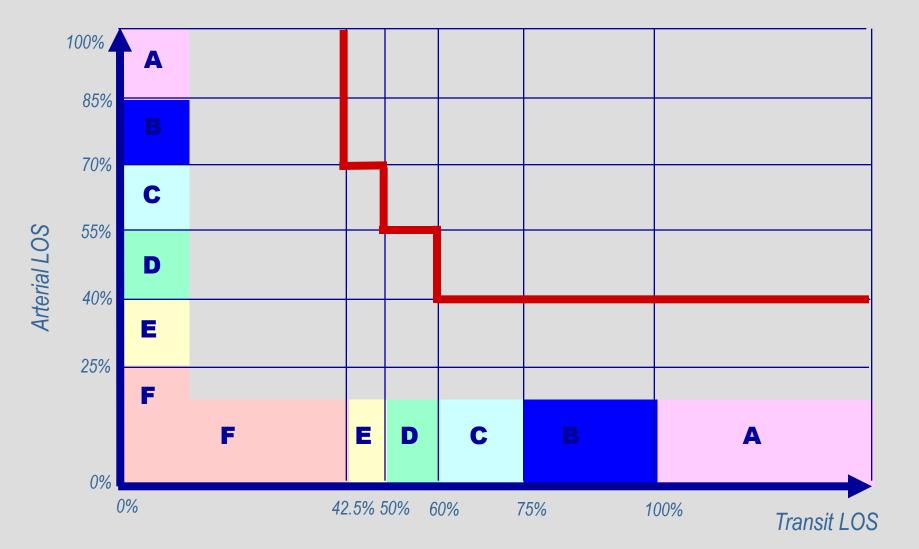


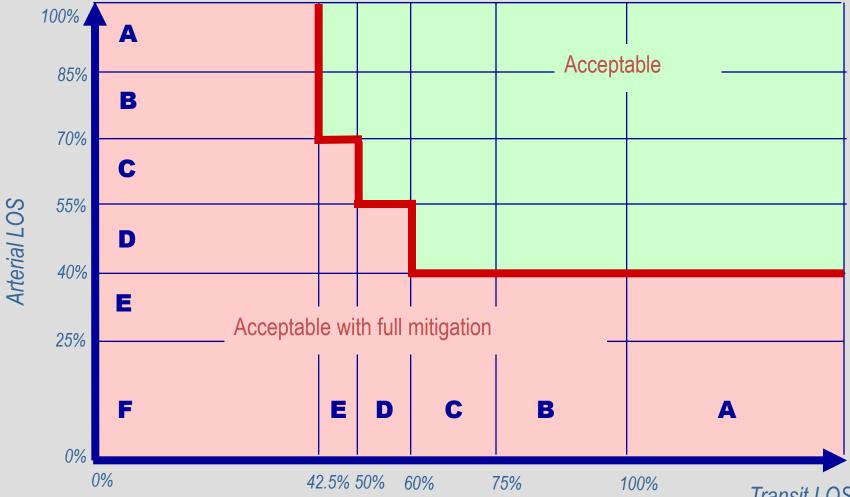




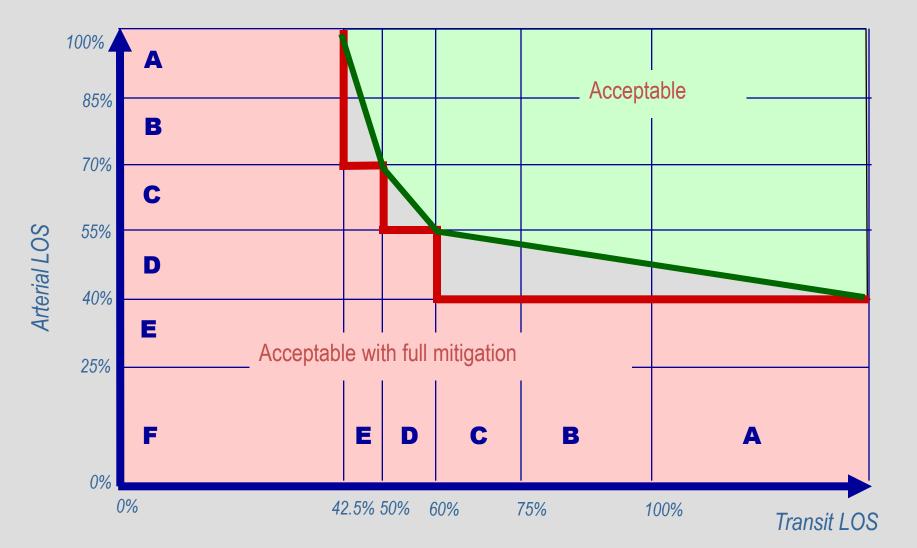
# Relationship of Transit and Arterial Levels of Service

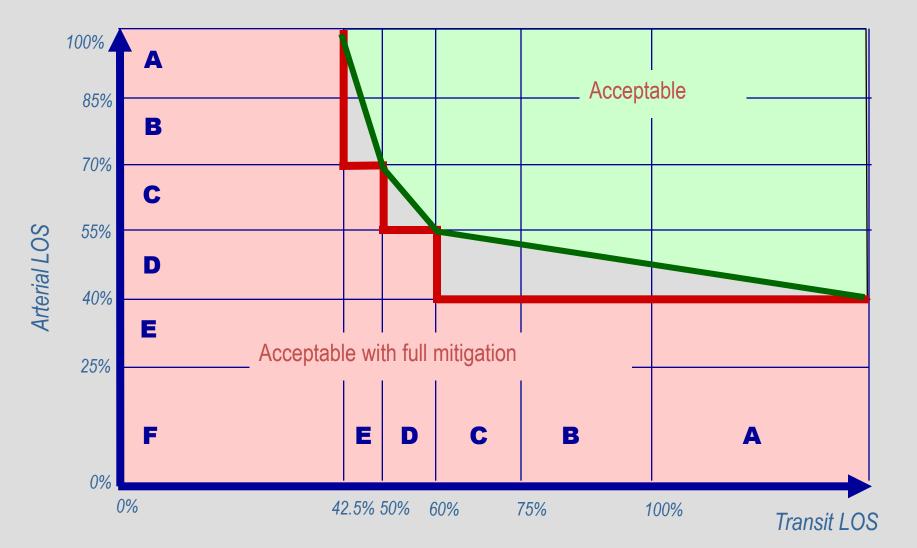
TRANSIT	ARTERIAL	
Α	<b>₽ ₽</b>	
В	<b>₽ ₽</b>	
С	D	
D	С	
E	В	
F	Α	



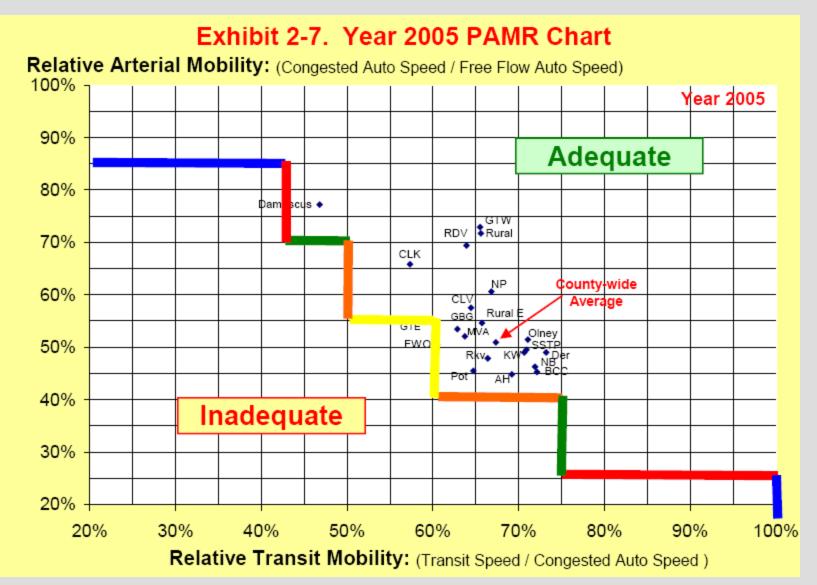


Transit LOS

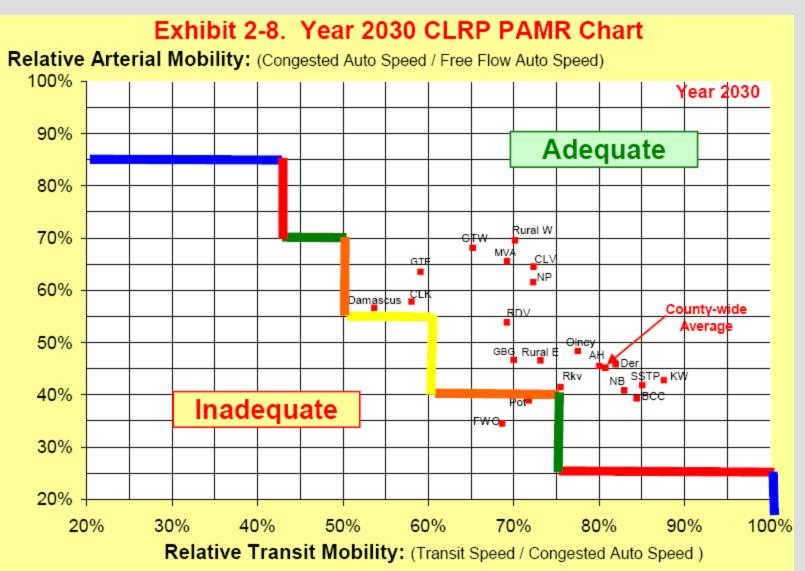




#### POLICY AREA MOBILITY REVIEW - 2005



### POLICY AREA MOBILITY REVIEW - 2030 WITH CURRENT PLAN



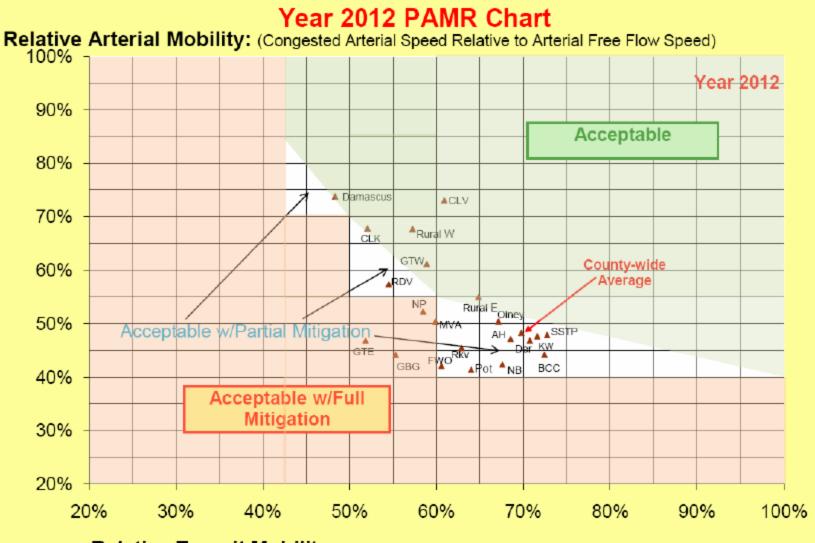
### POLICY AREA MOBILITY REVIEW - 2030 GROWTH INCLUDES

### Job Growth:

- 1,150 in Twinbrook
- 4,500 at NIH/NNMC
- 6,700 in Bethesda
- 29,000 in Rockville
- 114,000 in Washington DC
- 170,000 in Montgomery County
- 1,200,000 in DC region
- Up to 30,000 in White Flint



### POLICY AREA MOBILITY REVIEW – 2012 (for current development review)



Relative Transit Mobility: (Overall Transit Speed Relative to Overall Speed Using Arterials)

### **GROWTH POLICY TRENDS**

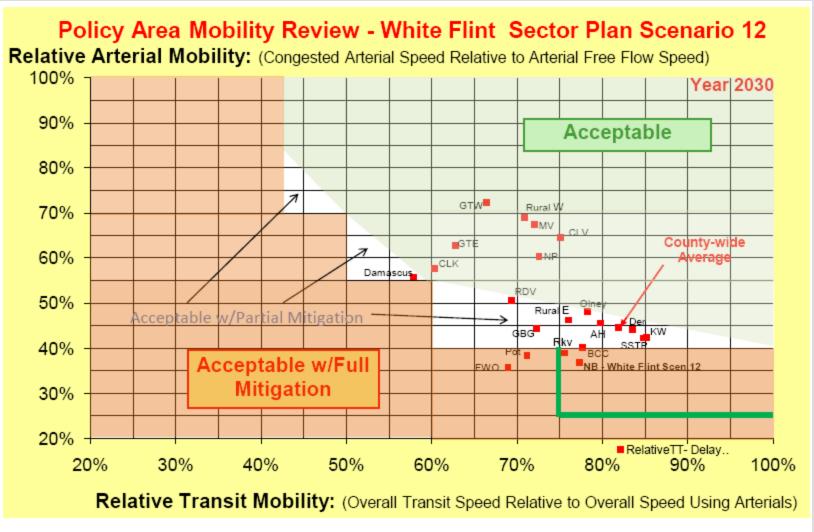
Highway Mobility Report - May 2008

Table 4.1: Comparison of County-wide TRAVEL/3 Model Results

	2005 Network	2012 PAMR Network	% Chg
Households*	347,000	389,237	12.2%
Jobs*	500,000	626,080	25.2%
Total Lane-Miles	2,751	2,974	8.1%
Vehicle-Miles Traveled (in 000s)	5498.5	6146.5	11.8%
∨ehicle-Hours Traveled (in 000s)	317.0	367.4	15.9%
Average Speed (mph)	17.4	16.7	-4.0%
Average V/C Ratio	0.76	0.79	<b>3.9%</b>

\*Assumed for modeling purposes

POLICY AREA MOBILITY REVIEW - 2030 RECOMMENDED MASTER PLAN



### POLICY AREA MOBILITY REVIEW - 2030 RECOMMENDED MASTER PLAN

#### Derivation of Year 2030 PAMR Results by Policy Area (White Flint Sector Plan Scenario 12 LU Scenario w/Rnd 7.1 Forecast)

Relative Arterial Mobility

Relative Transit Mobility

Policy Area	VMT	VHT (free-flow)	VHT (congested)	Free-Flow Speeds	Congested Speeds	Relative Arterial Mobility	Average Arterial Travel Time	Average Transit Travel Time	Relative Transit Mobility
Aspen Hill	192,405	5,874	12,882	32.8	14.9	46%	41.2	51.7	80%
Bethesda/Chevy Chase	399,731	15,688	39,110	25.5	10.2	40%	30.9	39.8	78%
Clarksburg	110,128	3,673	6,359	30.0	17.3	58%	38.1	63.2	60%
Cloverly	98,412	2,442	3,782	40.3	26.0	65%	44.1	58.8	75%
Damascus	92,166	2,284	4,093	40.4	22.5	56%	48.1	83.0	58%
Derwood/Shady Grove	142,859	5,086	11,518	28.1	12.4	44%	37.8	45.3	83%
Fairland/White Oak	389,527	10,282	28,736	37.9	13.6	36%	39.9	57.8	69%
Gaithersburg City	235,077	8,387	18,902	28.0	12.4	44%	35.1	48.6	72%
Germantown East	107,695	3,641	5,797	29.6	18.6	63%	36.8	58.5	63%
Germantown West	149,752	4,905	6,776	30.5	22.1	72%	37.3	56.1	66%
Kensington/Wheaton	478,759	15,069	35,598	31.8	13.4	42%	37.2	43.7	85%
Montgomery Village/Airpark	146,004	4,837	7,165	30.2	20.4	68%	41.6	57.7	72%
North Bethesda	255,117	11,282	30,693	22.6	8.3	37%	29.2	37.7	77%
North Potomac	65,971	2,364	3,919	27.9	16.8	60%	40.8	56.3	72%
Olney	170,857	4,844	10,047	35.3	17.0	48%	47.4	60.6	78%
Potomac	204,413	6,132	15,988	33.3	12.8	38%	38.4	53.9	71%
R & D Village	66,569	2,958	5,847	22.5	11.4	51%	32.0	46.1	69%
Rockville City	277,881	12,025	30,870	23.1	9.0	39%	31.9	42.3	75%
Silver Spring/Takoma Park	277,475	10,616	25,145	26.1	11.0	42%	33.3	39.3	85%
Rural East	612,620	15,620	33,717	39.2	18.2	46%	47.1	62.0	76%
Rural West	244,374	6,640	9,618	36.8	25.4	69%	47.8	67.4	71%
Montgomery County Total	4,717,792	154,649	346,562	30.5	13.6	45%	37.9	46.3	82%

Relative Arterial Mobility measures total PM Peak Period vehicular travel on arterial roadways within each policy area Relative Transit Mobility measures AM Peak Period travel times for journey-to-work trips originating within each policy area VMT = Vehicle Miles of Travel

### POLICY AREA MOBILITY REVIEW - 2030 RECOMMENDED MASTER PLAN

#### Derivation of Year 2005 PAMR Results by Policy Area

Relative Arterial Mobility

Relative Transit Mobility

Policy Area	VMT	VHT (free-flow)	VHT (congested)	Free-Flow Speeds	Congested Speeds	Relative Arterial Mobility	Average Arterial Travel Time	Average Transit Travel Time	Relative Transit Mobility
Aspen Hill	166,975	4,992	11,141	33.4	15.0	45%	36.4	54.5	67%
Bethesda/Chevy Chase	370,936	14,148	31,264	26.2	11.9	45%	25.8	36.9	70%
Clarksburg	48,985	1,341	2,038	36.5	24.0	66%	38.6	69.9	55%
Cloverly	80,280	1,954	3,398	41.1	23.6	58%	39.8	59.6	67%
Damascus	57,419	1,350	1,749	42.5	32.8	77%	43.5	95.7	45%
Derwood/Shady Grove	128,774	4,337	8,851	29.7	14.5	49%	34.4	50.8	68%
Fairland/White Oak	332,420	9,478	18,794	35.1	17.7	50%	35.4	60.9	58%
Gaithersburg City	187,111	6,483	12,132	28.9	15.4	53%	31.5	56.4	56%
Germantown East	83,578	2,421	4,388	34.5	19.0	55%	35.4	65.6	54%
Germantown West	111,574	3,299	4,525	33.8	24.7	73%	35.7	61.5	58%
Kensington/Wheaton	410,368	12,896	26,052	31.8	15.8	50%	31.7	45.3	70%
Montgomery Village/Airpark	92,853	3,086	5,928	30.1	15.7	52%	38.3	64.9	59%
North Bethesda	194,168	7,893	17,069	24.6	11.4	46%	27.0	39.1	69%
North Potomac	53,299	1,811	2,989	29.4	17.8	61%	36.7	60.6	61%
Olney	136,864	3,972	7,727	34.5	17.7	51%	43.9	72.2	61%
Potomac	180,868	5,290	11,631	34.2	15.6	45%	33.7	54.5	62%
R & D Village	47,322	1,980	2,853	23.9	16.6	69%	30.7	52.2	59%
Rockville City	255,979	10,016	20,932	25.6	12.2	48%	29.1	47.3	62%
Silver Spring/Takoma Park	230,410	8,782	17,926	26.2	12.9	49%	27.7	40.2	69%
Rural East	449,002	11,427	20,928	39.3	21.5	55%	42.9	70.2	61%
Rural West	171,011	4,596	6,411	37.2	26.7	72%	42.7	75.6	56%
Montgomery County Total	3,790,196	121,552	238,726	31.2	15.9	51%	34.2	50.7	67%

Relative Arterial Mobility measures total PM Peak Period vehicular travel on arterial roadways within each policy area

Relative Transit Mobility measures AM Peak Period travel times for journey-to-work trips originating within each policy area

VMT = Vehicle Miles of Travel

VHT = Vehicle Hours of Travel

### SUBREGIONAL CONSTRAINTS

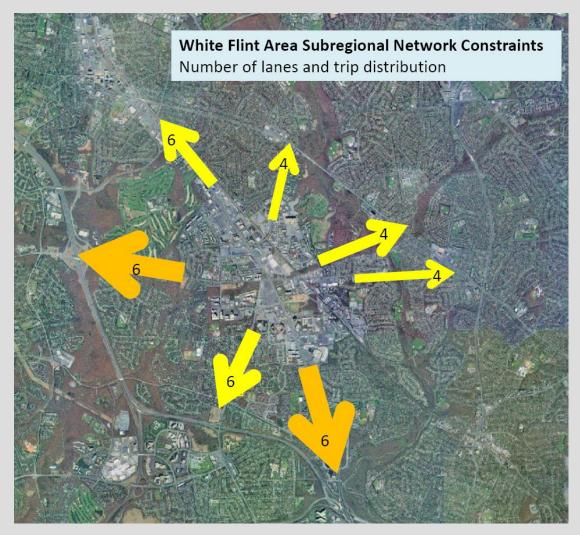
White Flint's location advantageous for reverse-flow commuters

Travel constraints are just beyond Sector Plan boundary

- Rock Creek
- Established land uses

Constraints are along

- Montrose Parkway (west)
- Rockville Pike (south)



### CORDON LINE VOLUMES

#### White Flint Sector Plan Sector Plan Cordon Line Volumes

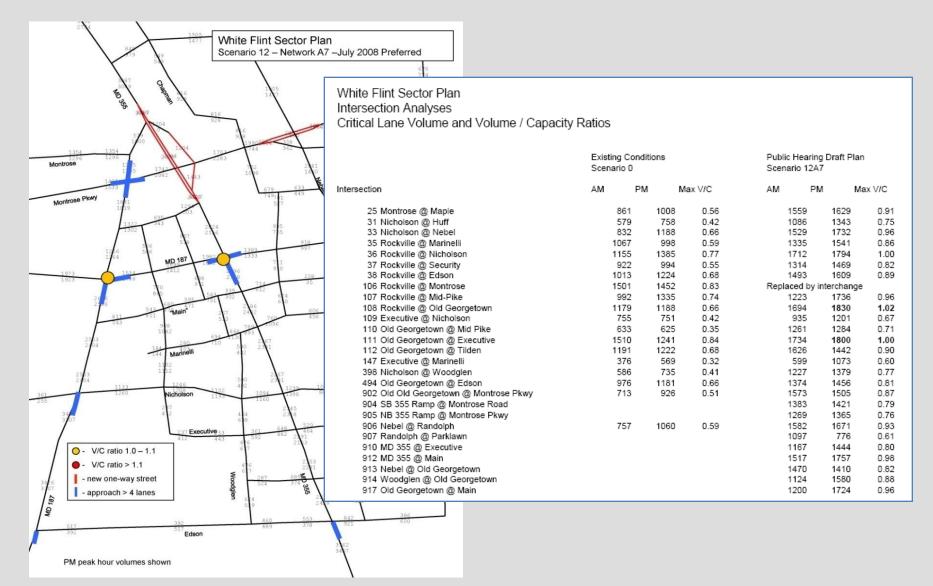
	current condition	0115					
		AM	Peak Hour		PM	Peak Hour	
Location	ADT	Inbound	Outbound	Total	Inbound	Outbound	Total
MD 355 south of Hubbard	59000	2850	1430	4280	2400	2910	5310
Chapman north of Randolph/MPE	9200	140	110	250	430	400	830
Nebel north of Randolph/MPE	0	0	0	0	0	0	0
Montrose Parkway East at CSX	0	0	0	0	0	0	0
Randolph at CSX	30800	1590	710	2300	1210	1560	2770
Nicholson at CSX	30900	1180	540	1720	1000	1790	2790
MD 355 south of Edson	55000	1800	2290	4090	2420	2530	4950
Edson west of Woodglen	8000	270	190	460	470	250	720
MD 187 south of Nicholson	44300	1540	2170	3710	2330	1650	3980
Tilden west of MD 187	7400	460	270	730	230	440	670
Executive west of MD 187	25400	900	1140	2040	1380	910	2290
Montrose Parkway West west of OOGR	0	0	0	0	0	0	0
Montrose west of OOGR	27500	1070	1130	2200	1140	1340	2480
TOTAL	297500	11800	9980	21780	13010	13780	26790

Current Conditions

#### Public Hearing Draft Plan (Scenario 12) Conditions

		AM P	eak Hour		PM	Peak Hour	
Location	ADT	Inbound (	Outbound	Total	Inbound	Outbound	Total
MD 355 south of Hubbard	77500	3560	2200	5760	3090	3890	6980
Chapman north of Randolph/MPE	19400	660	570	1230	820	930	1750
Nebel north of Randolph/MPE	33100	1270	910	2180	1480	1510	2990
Montrose Parkway East at CSX	52600	2560	1990	4550	1990	2740	4730
Randolph at CSX	21600	1190	680	1870	720	1230	1950
Nicholson at CSX	40400	2130	740	2870	1320	2320	3640
MD 355 south of Edson	80200	3150	3230	6380	3460	3760	7220
Edson west of Woodglen	13400	430	270	700	680	520	1200
MD 187 south of Nicholson	67600	2660	3340	6000	3230	2860	6090
Tilden west of MD 187	6800	440	250	690	230	390	620
Executive west of MD 187	43300	1920	1760	3680	1970	1920	3890
Montrose Parkway West west of OOGR	32600	1440	1370	2810	1410	1530	2940
Montrose west of OOGR	29400	990	1310	2300	1350	1300	2650
TOTAL	517900	22400	18620	41020	21750	24900	46650

### LOCAL AREA TRANSPORTATION REVIEW



### METRORAIL CAPACITY

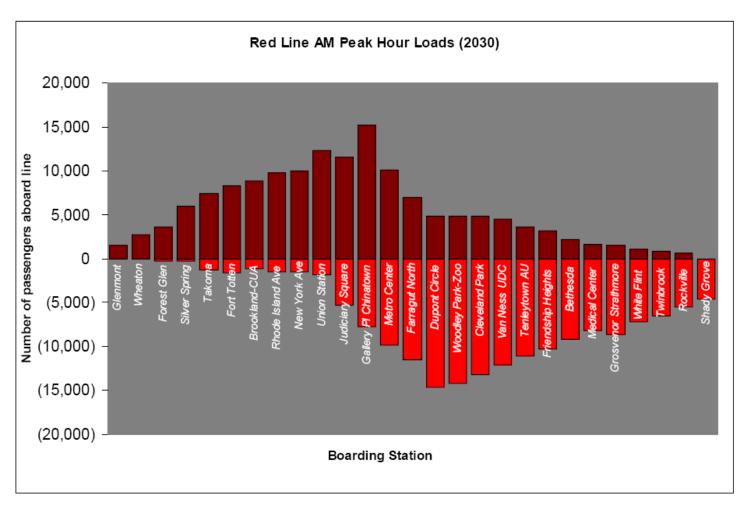
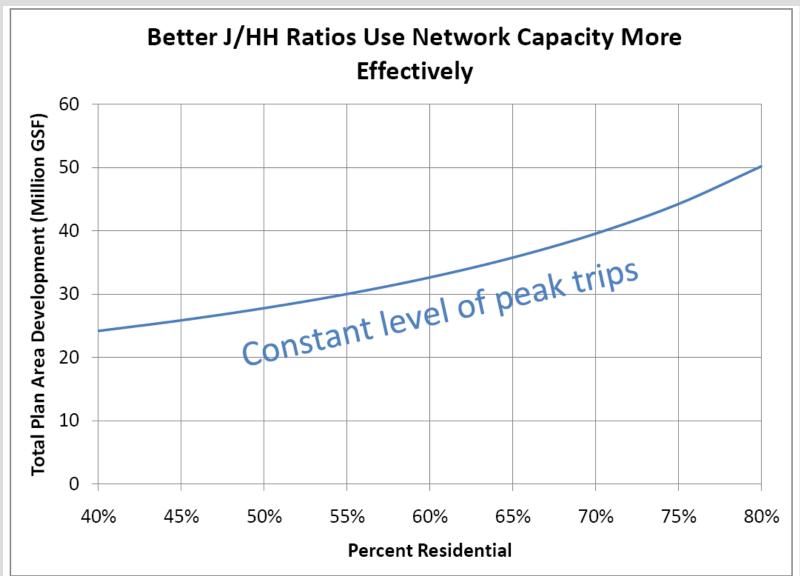


Figure 29. 2030 Red Line Load Profile (source: PB)

### ZONING CAPACITY / FLEXIBILITY



- Street grid
- The Pike
- Bikes / peds
- Metrorail / MARC
- Bus transit

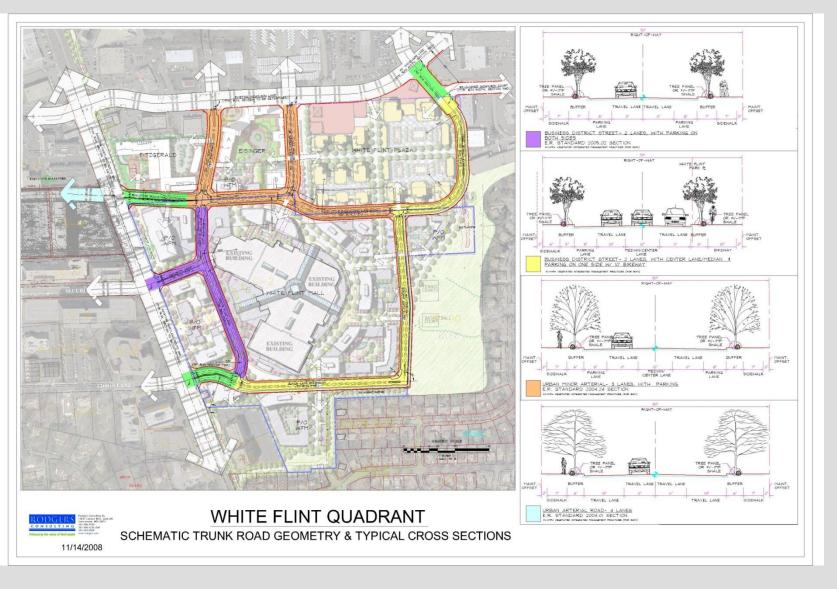


### STREET GRID

- Arterials
- Business streets
- "Secondary" streets
- Target speeds
- Road code



### STREET GRID



### The Pike

#### Comparison of Alternative Treatments for Rockville Pike

(prototype considering section from Old Georgetown to Nicholson) - June 25, 2007 DRAFT ver.3

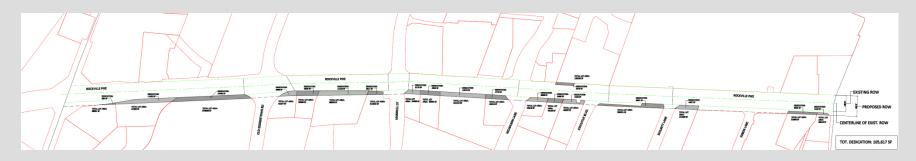
Alternative	Description	Peak Capacity	Safety and Efficiency	Pedestrian Experience	Character	Community disruption	Cost <sup>1</sup>	Most applicable for
Do nothing	6 lanes	Fair	Good	Poor	Poor	None	\$0	
Streetscape	Utilities, trees, bricks	Fair	Good	Fair	Fair	Minor	\$20M/mi	
Boulevard	50' median for landscaping, perhaps future transit	Good	Good	Good	Good	Minor	\$50M/mi	
Add a lane	8 lanes	Good	Fair	Poor	Poor	Moderate	\$50M/mi	
One-way pair <sup>2</sup>	3 NB on Pike plus 3 SB on Woodglen	Good	Good	Good	Good	Substantial	\$100M/mi	CBD land uses and densities with grid street availability
Multiway Boulevard	6 lanes +2 lanes and parking in local roadway	Good	Fair	Good	Good	Moderate	\$100M/mi	Low density land uses requiring frontage/parking
Grade separate (Pike below)	Single intersection interchange	Good	Good	Excellent	Excellent	Moderate	\$100M	High volume arterial "rungs" located between urban centers
Depress Pike below deckover	Old Georgetown - Marinelli	Good	Good	Excellent	Excellent	Moderate	\$250M	

 <sup>&</sup>lt;sup>1</sup> Reflects judgment based on sampling of roughly comparable projects
 <sup>2</sup> Cost estimated for three-block section but community disruption reflects southward terminus at Edson Lane.

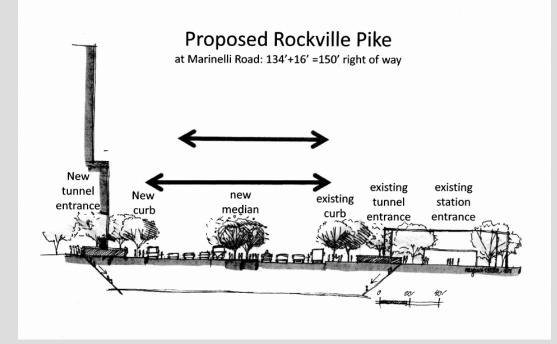
### The Pike



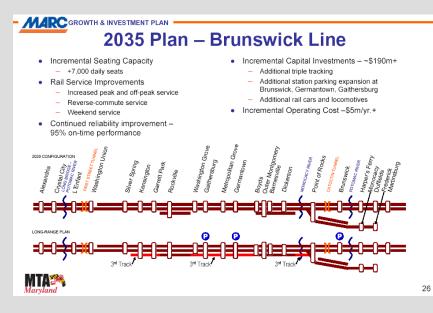
### The Pike



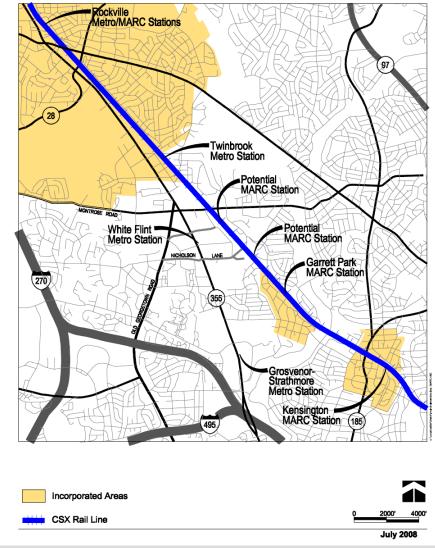
- Curb lane management
  - Transit
  - Bikes
  - Parking?
  - Turns
- East side constraints
- Stage 1 study
- Stage 3 implementation



### Metrorail / MARC

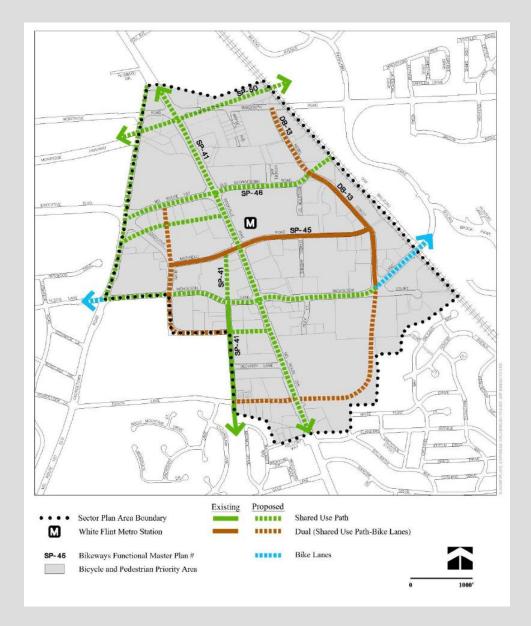


#### MARC and METRO in WHITE FLINT AREA



### Bikes / peds

- Regional / park connections
- Access and mobility
- On-street functions
- Pike / Nebel Street



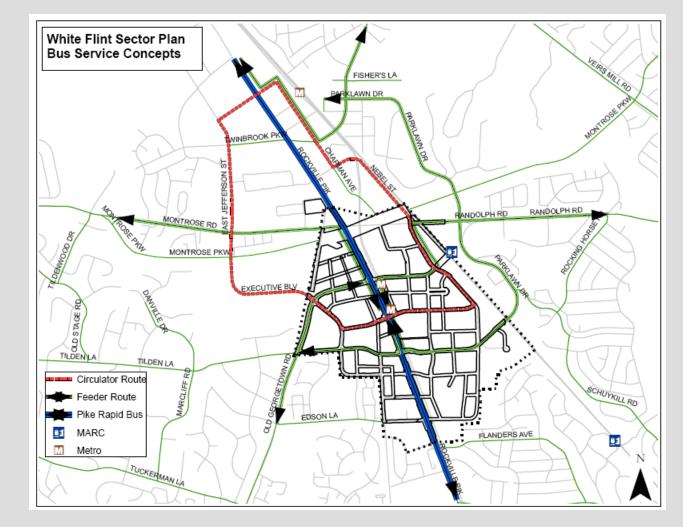
Local transit service concepts

## <u>Types</u>

- Feeder
- Circulator
- Shuttle

## **Evolution**

- Functions
- Routes

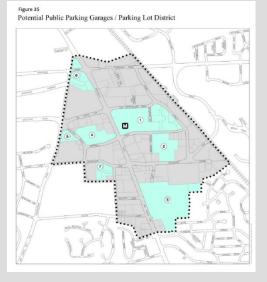


### Parking Supply Management

Commercial Land Use Type	Total Square Footage	Assumed Square Feet per Job	Number of Jobs	Demand for Weekday Long- Term Parking Spaces
Office	7.68M	225	34,100	20,800
Retail	3.80M	400	9,500	5,800
Industrial	0.93M	450	2,100	1,300
Other	1.45M	500	2,900	1,800
TOTAL	13.86M		48,600	29,700

#### Figure 10: Weekday Long-Term Parking Space Demand

- Aimed at commercial uses
- Manage demand
- Not PLD, but parking authority
- Linkage to commercial zoning requirements
- Operations / management concerns



# White Flint Sector Plan RECOMMENDED POLICIES

**Travel Demand Management** 

- Strategies
  - Infrastructure
  - Services
  - Policies
- Private / public sector
- Target markets
- Relationship to GHG

Tashnimusa			Types of	Trips Affected						
Techniqueª	Office	Retail	Industrial	Residential	Lodging	Event				
Physical Actions										
Parking availability reduced below normal demand level or substantial increase in parking costs	T, P	-	T, P	Т, Р	T, P	T, P				
Quality pedestrian environment on-site (mixed-use developments only)	T, P, M	T, P, M	T, M	T, P, M	T, P, M	T, P, M				
Building amenities (bicycle lockers, showers, ATM, parking garage dimensions to accommodate vanpools, wiring for ease of telework)	T, P, M	-	T, P, M	T, P, M	-	-				
		Non-Phys	sical Actions							
Transit service to areas of trip origins	T, P	T, PM	T, P	T, P	T, P	T, P				
Carpool, vanpool programs (ridematching, preferential parking, subsidies, promotion)	T, P	T, PM	T, P	T, P	-	T, P				
Modified work schedules (4/40, staggered, flex)	Р	-	Р	Р	-	-				
Telecommute options	T, P	-	-	T, P	-	-				
Internal shuttle transportation to/within development site	T, M	T, M	-	T, M	T, P	-				
Transit subsidy	T, P	-	T, P	T, P	-	-				
On-site transportation coordinator or information center	T, P	T, P	T, P	T, P	T, P	T, P				

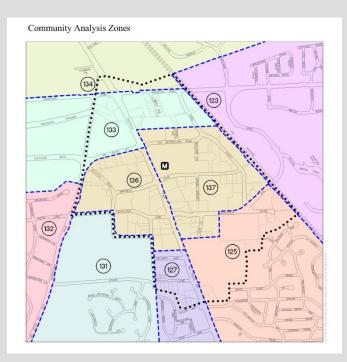
Table 7-11. Sample TDM Techniques With Potential to Reduce Site Traffic Generation

T = daily trips, P = peak hour trips, PM = p.m. peak hour trips, M = midday trips.

•Other techniques may be applicable either separately or in combination with others. To be effective, each measure must be designed to generate and sustain use of alternatives to the single-occupant automobile.

### White Flint Metro Station Policy Area boundary

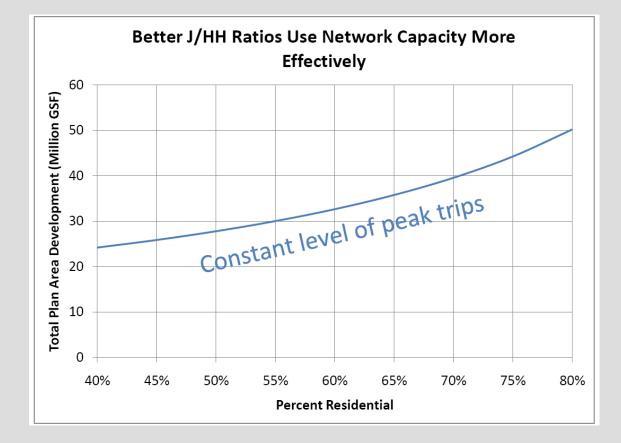
Figure 12: Land Use Comparison to Bethesda and Silver Spring										
Sector Plan	Acres	Exist	ing	Future						
		Jobs	HH	Jobs	HH					
Bethesda	407	35,800	6,700	50,900	9,400					
Silver Spring	367	30,400	5,600	45,700	8,100					
White Flint	430	18,100	2,100	48,600	12,300					



# White Flint Sector Plan IMPLEMENTATION AND STAGING

### Staging triggers

- Zoning flexibility
- Staging to J/HH and mode share
- Monitoring program
- Neighborhood circulation



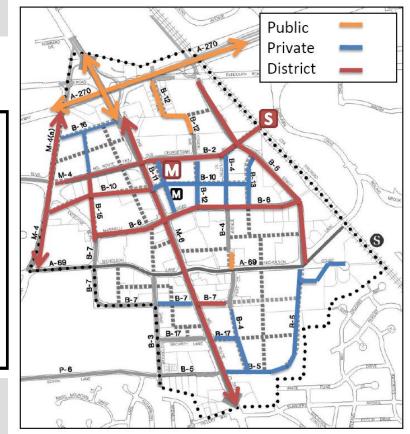
## White Flint Sector Plan IMPLEMENTATION AND STAGING

#### **Transportation Infrastructure Financing**

White Flint Sector Plan Public Facilities Staging Plan

Staff Draft - September 22, 2008 Estimated Capital Cost by Stage

	State	Local	Private	District	TOTAL
Public Transit Elements					
Stage One	\$ -	\$ -	\$ -	\$ 26.50	\$ 26.50
Stage Two	\$ -	\$ -	\$ -	\$ 3.00	\$ 3.00
Stage Three	\$ -	\$ -	\$ -	\$ 13.00	\$ 13.00
TOTAL	\$ -	\$ -	\$ -	\$ 42.50	\$ 42.50
Streets and Bikeways					
Stage One	\$ 47.20	\$ 20.10	\$ 7.50	\$ 27.50	\$ 102.30
Stage Two	\$ 20.00	\$ -	\$ 43.75	\$ 32.75	\$ 96.50
Stage Three	\$ -	\$ -	\$ 9.25	\$ 68.50	\$ 77.75
TOTAL	\$ 67.20	\$ 20.10	\$ 60.50	\$ 128.75	\$ 276.55
Total Transportation Network Elements					
Stage One	\$ 47.20	\$ 20.10	\$ 7.50	\$ 54.00	\$ 128.80
Stage Two	\$ 20.00	\$ -	\$ 43.75	\$ 35.75	\$ 99.50
Stage Three	\$ -	\$ -	\$ 9.25	\$ 81.50	\$ 90.75
TOTAL	\$ 67.20	\$ 20.10	\$ 60.50	\$ 171.25	\$ 319.05



# White Flint Sector Plan SUMMARY

