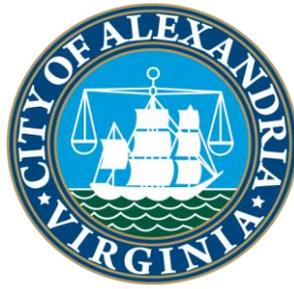


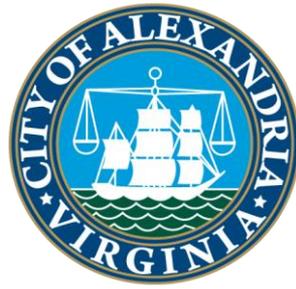
Transportation Commission

April 15, 2015



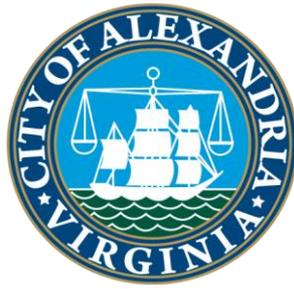
UPDATES TO RECEIVE

Agenda Item #2



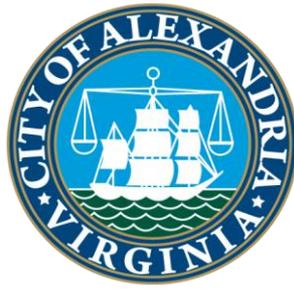
COMMISSION UPDATES

Agenda Item #3



COMMISSION DISCUSSION WITH TRANSPORTATION DIRECTOR

Agenda Item #4



WMATA OPERATIONS PLANNING PROCESS

Agenda Item #5



WMATA OPERATIONS PLANNING PROCESS

- WMATA, with inputs from jurisdictions, and the general public and engaged in four types of operational planning.
- These are:
 - State of Good Operations (SOGO) Analyses of Bus Services
 - Budget Service Planning Proposals
 - Detailed Line Analyses
 - Detailed Analyses of Specific Issues



State of Good Operations

- Monthly monitoring (Exhibit A)
- Analyses Performed to determine weak or healthy portions of system. (Exhibit B)
 - Weekday Ridership
 - Cost Recovery
 - Subsidy/Passenger
 - Riders/Revenue Trip
 - Riders/Revenue Mile



Monthly Passenger Data

Agenda Item 4- Exhibit A- Page 3

Metrobus Monthly Ridership Bus Line, Sector and Jurisdictional Summary November 2014 - Preliminary

Metrobus Monthly Ridership	Route(s)	Jurisdiction	Nov-14 Wkly Avg	% Chng. Prev. Year	Nov-14 Sat Avg	% Chng. Prev. Year	Nov-14 Sun Avg	% Chng. Prev. Year	Nov-14 System Total	% Chng. Prev. Year	YTD FY 2015	% Chng. Prev. Year
Annandale	29C, E, G, H, X		909	-7%	0	0%	0	0%	18,994	-12%	110,025	-2%
Alexandria-Fairfax**	29K, N	DL-P	2,694	25%	1,443	7%	684	8%	61,989	25%	327,638	21%
Sector 8 Subtotal - Central NOVA			25,335	2%	14,777	4%	8,757	15%	601,476	9%	3,401,636	4%
Lincolnia-North Fairlington**	7A, E, F, Y	DL-z	3,328	1%	1,900	-2%	887	-2%	74,172	-3%	418,203	3%
Lincolnia-Park Center-Pentagon	7B, C, H, P, W, X		1,534	3%	0	0%	0	0%	27,793	-2%	164,265	0%
Mark Center-Pentagon	7M		1,511	-17%	0	0%	0	0%	27,209	-21%	171,810	-8%
Foxchase-Seminary Valley	8S, W, Z	a	1,098	3%	0	0%	0	0%	20,022	-3%	122,151	1%
Huntington-Pentagon	8A, E		1,339	-19%	897	-17%	648	-6%	33,211	-18%	195,988	-14%
Metroway Potomac Yard**	8W, Y-1	t	1,373	28%	352	100%	238	100%	28,257	36%	136,257	21%
Hunting Point-Pentagon	10A, E, R, S	u	2,229	4%	1,189	-6%	730	2%	51,607	6%	299,737	7%
Hunting Point-Ballston	10B	v	2,328	-4%	1,744	2%	1,110	17%	58,566	-3%	326,027	-6%
NI Yaman Express**	11Y	w	388	-16%	0	0%	0	0%	6,987	-21%	44,838	-9%
Kings Park	13A, B, F, M		387	-2%	0	0%	0	0%	6,547	-7%	43,017	1%
Kings Park Express	13G, H, K, L		1,084	-11%	0	0%	0	0%	16,503	-16%	113,666	-8%
Springfield	18E, F		169	-23%	0	0%	0	0%	3,041	-27%	18,378	-14%
Orange Hunt	18G, H, J		625	-7%	0	0%	0	0%	11,266	-12%	69,599	-5%
Bushe Centre	18P, R, S		668	-9%	0	0%	0	0%	12,209	-13%	78,913	-2%
Lansdown-Pentagon	21A, D	q	416	-35%	0	0%	0	0%	7,809	-39%	47,500	-30%
Skyline City	28F, G		426	-26%	0	0%	0	0%	7,829	-31%	50,625	-14%
Richmond Highway Express	REX (R99)		2,963	-12%	2,057	-7%	792	-8%	70,076	-14%	422,305	-6%
Springfield Calculator	TAGS (S83,91)		390	-6%	0	0%	0	0%	7,199	-11%	35,269	-7%
Sector 9 Subtotal - Eastern NOVA			22,193	-2%	7,735	-1%	4,466	7%	475,547	-9%	2,755,764	-3%
Clinton	C11, 13		437	-12%	0	0%	0	0%	7,889	-18%	50,291	-7%
Hillcrest Heights	C12, 14		710	-1%	223	-6%	0	0%	14,113	-7%	81,851	6%
Oxon Hill-Sully	D12, 13, 14		4,454	-6%	2,926	1%	1,619	-3%	193,729	-7%	611,091	-1%
Monrow Heights-Temple Hills	H11, 12, 13		1,932	8%	678	-1%	401	-3%	33,586	3%	190,499	14%
Marlboro Pike	J11, 12, 13		979	-6%	835	-6%	563	4%	30,063	-6%	149,331	8%
Fornessville	K11, 12, 13		1,814	-1%	889	-6%	688	-11%	43,318	-6%	254,940	1%
National Harbor	NH1, 3	o	795	-6%	632	22%	636	24%	23,484	2%	135,889	22%
Oxon Hill-Fort Washington	P17, 18, 19		1,119	-9%	0	0%	0	0%	26,261	-14%	125,136	-4%
Beck Road	W13, 14		693	-8%	0	0%	0	0%	12,726	-12%	77,087	-8%
Camp Springs-Indian Head Highway	W15		243	-24%	0	0%	0	0%	4,569	-27%	28,455	-19%
Indian Head Express	W19		303	-28%	0	0%	0	0%	5,588	-32%	38,887	-23%
Sector 10 Subtotal - Southern POC			13,166	-6%	6,443	7%	3,833	9%	266,125	-7%	1,748,137	2%
Martin Luther King Jr. Highway**	A11, 12	y-rr	3,002	6%	1,678	-6%	1,169	6%	71,103	-3%	383,836	6%
Sowie State University	B21, 22		894	1%	0	0%	0	0%	16,023	-6%	87,442	2%
Sowie-Belair	B24, 26		952	-6%	0	0%	0	0%	17,864	-9%	106,600	-5%
Sowie-New Carrollton	B27	q	239	-16%	0	0%	0	0%	4,190	-20%	25,777	-3%
Crofton-New Carrollton	B28, 31		252	-6%	0	0%	0	0%	4,542	-11%	28,740	3%
Central Avenue	C21, 22, 26, 29		2,917	-12%	967	-6%	567	5%	50,672	-14%	303,843	-1%
Central Supplemental Service	C27		0	0%	0	0%	0	0%	0	0%	6,397	26%
Pointier Ridge	C30		460	-9%	0	0%	0	0%	8,635	-13%	53,358	-1%
Arduick Industrial Park Shuttle	F12	q	712	12%	0	0%	0	0%	13,510	8%	79,845	33%
Sheriff Road-Capitol Heights	F14		2,330	-9%	830	-12%	0	0%	46,022	-13%	283,143	1%
Eastover-Addison Road	P12		6,988	2%	6,157	7%	2,971	17%	187,861	2%	876,237	10%
District Heights-Sully	V12		1,870	-12%	845	-2%	495	-4%	41,658	-14%	234,877	-2%
District Heights-Geat Pleasant	V14, 15		1,538	-7%	779	-7%	169	5%	33,317	-10%	193,533	1%
Sector 11 Subtotal - Central POC			20,586	-4%	10,274	9%	5,309	10%	466,467	-6%	2,688,802	6%
Rhode Island Avenue-New Carrollton	B4	r	1,961	-3%	800	6%	570	-7%	44,336	-6%	258,367	1%
Laurel Express	B7	s	786	-10%	0	0%	0	0%	14,052	-14%	83,403	-8%
Laurel	B9, B9M	aa	676	3%	0	0%	0	0%	16,451	-2%	98,296	12%



Annual SOGO Analysis

Agenda Item 4- Exhibit B- Page 2

Attachment A

FY 15 BUS PRODUCTIVITY REPORT, REGIONAL LINE PERFORMANCE SUMMARY

Line Name	Bus Line Description				Performance Grade Ranking						Annual Data					
	Route ID	Line ID	Days	Service Days	Mileage Per Day	CRUISE Per Mileage	CRUISE Per Mileage	Miles per Mile Per Day	Miles per Mile Per Day	Overall Performs Cruises	Total Annual Miles	Total Annual Fares	Total Annual Rev. Miles	Total Annual Operating Costs	Total Annual Revenue	Total Annual Subsidy
George Mason Transit Center	11M	31	SA	W	201	7.8%	13.01	8.0	0.0	1	60,000	7,800	61,200	100,210	173,000	100,000
Arlington Station Transit	11T	39	SA	W	270	7.7%	13.04	8.0	1.0	1	2,341	700	6,100	10,834	17,700	101,200
Prince William Transit Center	11P	131	SA	W	470	8.4%	13.03	10.0	1.0	1	183,761	18,800	198,611	61,136,310	120,820	12,101,110
Trenton Green Line Loop	11T	127	SA	W	412	11.3%	8.70	10.0	1.0	4	179,470	16,711	148,011	51,126,810	11,904,010	20,586,120
South Capitol St. Transit	11S	50	SA	W	201	10.3%	7.69	10.0	2.0	1	45,334	4,510	31,300	117,640	54,810	64,000
Carroll Springs Station Transit	11C	48	SA	W	201	11.6%	7.00	10.0	1.0	2	60,390	3,470	43,400	116,800	173,200	100,000
Metrolink Boulevard Station	11A	37	SA	W	211	10.1%	8.60	10.0	1.0	1	70,000	3,010	36,470	114,000	100,000	100,000
Fair Oaks Transit Center	11F	138	SA	W	464	11.7%	7.20	10.0	1.0	2	190,000	17,710	155,200	51,000,000	100,000	10,100,000
McCook Avenue Transit	11M	129	SA	W	471	11.8%	6.70	10.0	1.0	2	170,000	8,710	47,500	51,000,000	100,000	10,100,000
Fair Oaks Transit Center	11F	138	SA	W	464	11.5%	6.80	10.0	1.0	2	190,000	16,710	150,000	51,000,000	100,000	10,100,000
Jefferson Village Transit Plaza	11J	52	SA	W	210	10.0%	6.50	10.0	1.0	2	40,000	4,510	35,000	110,000	100,000	101,100
Glenn Park Transit Triangle	11G	30	SA	W	201	11.7%	5.10	10.0	1.0	2	110,000	4,510	35,000	170,000	110,000	100,000
Jaycee Station Circle	11A	48	SA	W	201	10.0%	6.00	10.0	1.0	2	110,000	4,000	35,000	100,000	100,000	100,000
Annandale	11C, 11A, 11X	8	SA	W	1,000	10.0%	7.00	10.0	1.0	2	170,000	10,700	180,000	52,000,000	100,000	10,000,000
MT Center Station	11A	117	SA	W	420	10.7%	6.00	10.0	1.0	2	160,000	7,010	55,000	100,000	100,000	101,100
Dean Center Station	11D	27	SA	W	110	11.9%	5.70	10.0	1.0	1	100,000	7,710	36,000	100,000	100,000	100,000
Washington-Lee Plaza Station	11A	60	SA	W	201	11.0%	6.00	10.0	1.0	1	110,000	7,000	40,000	110,000	100,000	100,000
Parkway Station	11A	36	SA	W	1,710	11.0%	5.70	10.0	1.0	1	100,000	14,470	115,000	51,000,000	100,000	10,000,000
Arden Station	11A	40	SA	W	201	11.0%	6.00	10.0	1.0	1	100,000	10,000	40,000	110,000	100,000	100,000
Edison-Baileys Park Station	11A, 11C	70	SA	W	1,000	11.0%	6.00	10.0	1.0	1	100,000	10,000	100,000	51,000,000	100,000	10,000,000
Mt. Vernon Ave. Transit Plaza	11B	111	SA	W	340	11.7%	6.00	10.0	1.0	1	100,000	8,100	35,000	110,000	100,000	100,000
Greenway Plaza Transit	11B	11	SA	W	1,000	10.0%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Lee Highway Transit Station	11B	118	SA	W	420	10.7%	6.00	10.0	1.0	1	100,000	8,100	35,000	110,000	100,000	100,000
Carroll Center & Lee Station	11A	119	SA	W	1,200	10.1%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Annandale Station	11A	61	SA	W	220	11.0%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Greenway Transit Station	11B, 11C	40	SA	W	1,100	11.7%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Spring Hill	11B	61	SA	W	1,200	11.0%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Bus Stop	11B, 11C	100	SA	W	210	11.7%	6.00	10.0	1.0	1	100,000	8,100	100,000	100,000	100,000	100,000
DC Metro	11A	110	SA	W	100	10.0%	6.00	10.0	1.0	1	100,000	10,000	100,000	100,000	100,000	100,000
Total for All Lines	11B	11,000	11.7%	10.0%	11.0%	11.0%	1.0%	1.0%	1.0%	1.0%	1,000,000	100,000	1,000,000	1,000,000	1,000,000	1,000,000



SOGO Analysis

- SOGO requires that there is no net effect on the WMATA operations budget.
- SOGO proposals are developed in the spring with jurisdictions, are approved for public input in the summer.
- The Transportation Commission will be informed if any SOGO proposals affect Alexandria, before the public hearings.



Detailed Line Analyses

- These analyses focus on these characteristics of routes:
 - Capacity
 - Productivity
 - Reliability
 - Quality of Service
- Recent Alexandria Examples
 - Duke Street (29K and 29N)
 - Mt. Vernon Avenue (Routes 10A , 10B and 10E)

Detailed Analyses of Specific Issues

- Metrobus Transit Services Guidelines Study
 - Guidelines for such items as bus stop spacing, service directness, service change process, branding, etc.
- Metrobus Network Effectiveness
 - Determine the future role of WMATA bus services
- Metrobus Late Night Service Analysis
 - Which bus services should operate late at night?

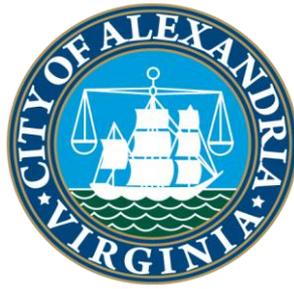


Alexandria Input

- Staff
- Alexandria Transit Board

Thank You

QUESTIONS?



TRANSPORTATION LONG RANGE PLAN

Agenda Item #6



Transportation Projects List

- **LRP**- *Unconstrained* list of transportation projects, programs and studies
- **Project Matrix** – *Constrained* list of transportation projects for which full or partial funding has been identified

Projects will only appear on one list



Long Range Transportation Plan (LRP)

1. Project List – capital projects which are not funded (prioritized by the Transportation Commission)
2. Program List (Removed in 2014)
3. Studies List

Derivation of LRP Projects / Studies

- Pedestrian and Bicycle Mobility Plan (to be updated with Pedestrian and Bicycle Master Plan)
- Small Area Plans
- Special Area and Corridor Plans
- Studies / Plans from other departments



Consistency with City Goals / policies

- Council Strategic Plan
- Transportation Master Plan
- Eco-City Charter



Proposed LRP Schedule

April	Overview of LRP / Schedule Review criteria and scoring procedure
May	Updates to criteria / scoring procedure Review draft of new LRP projects
June	Initial screening of projects Draft LRP
July	Public input Adoption of LRP by Transportation Commission

Prioritization Criteria

- Livability
 - Livability in affected area
 - Livability within Alexandria
- Connectivity
 - Neighborhood / City Connectivity
 - Regional mobility
- Land Use / Economic Development
 - Existing / planned population and employment centers
 - Opportunities for economic development

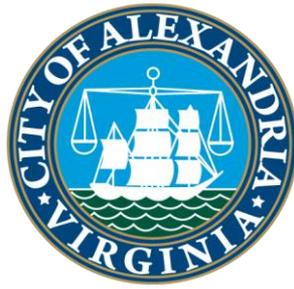
Prioritization Criteria

- Multimodal Choices
 - Improve / add multimodality
- Infrastructure
 - Improve aging infrastructure
- Operations / Technology
 - Improves efficiency
- Reduce SOV Travel
 - Encourages non-SOV travel



Thank You

QUESTIONS?



EISENHOWER WEST SAP / TRANSPORTATION STUDY

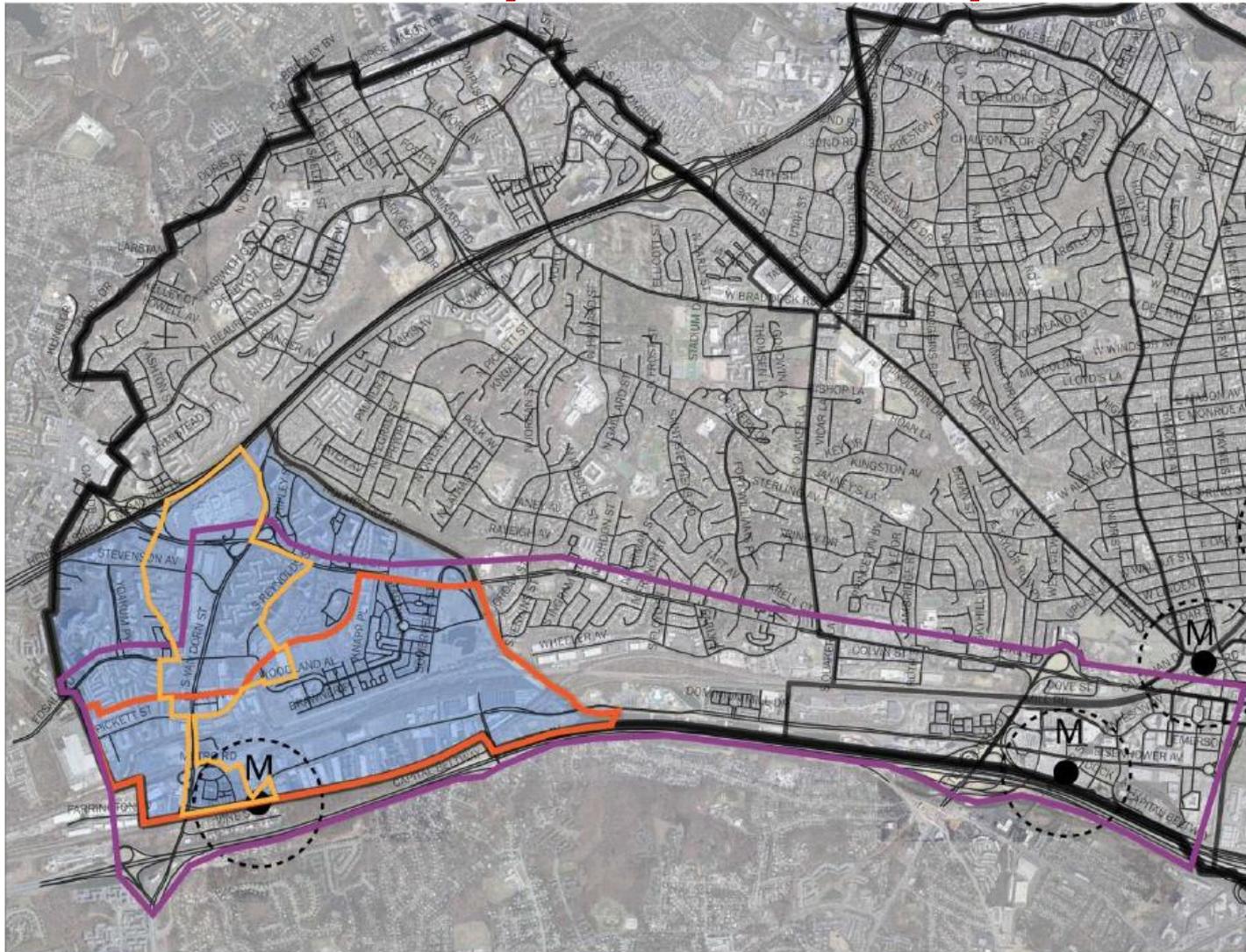
Agenda Item #7



Transportation Study Purpose

- Serve as transportation element of the Small Area Plan
- Conduct additional analysis to show that the multimodal bridge is the only connection needed between Eisenhower and Duke
- Conduct additional analysis to define the alignment and modes of the multi-modal bridge concept (Landmark/Van Dorn Corridor Plan, 2009)

Study Boundary



 Landmark/ Van Dorn Small Area Plan

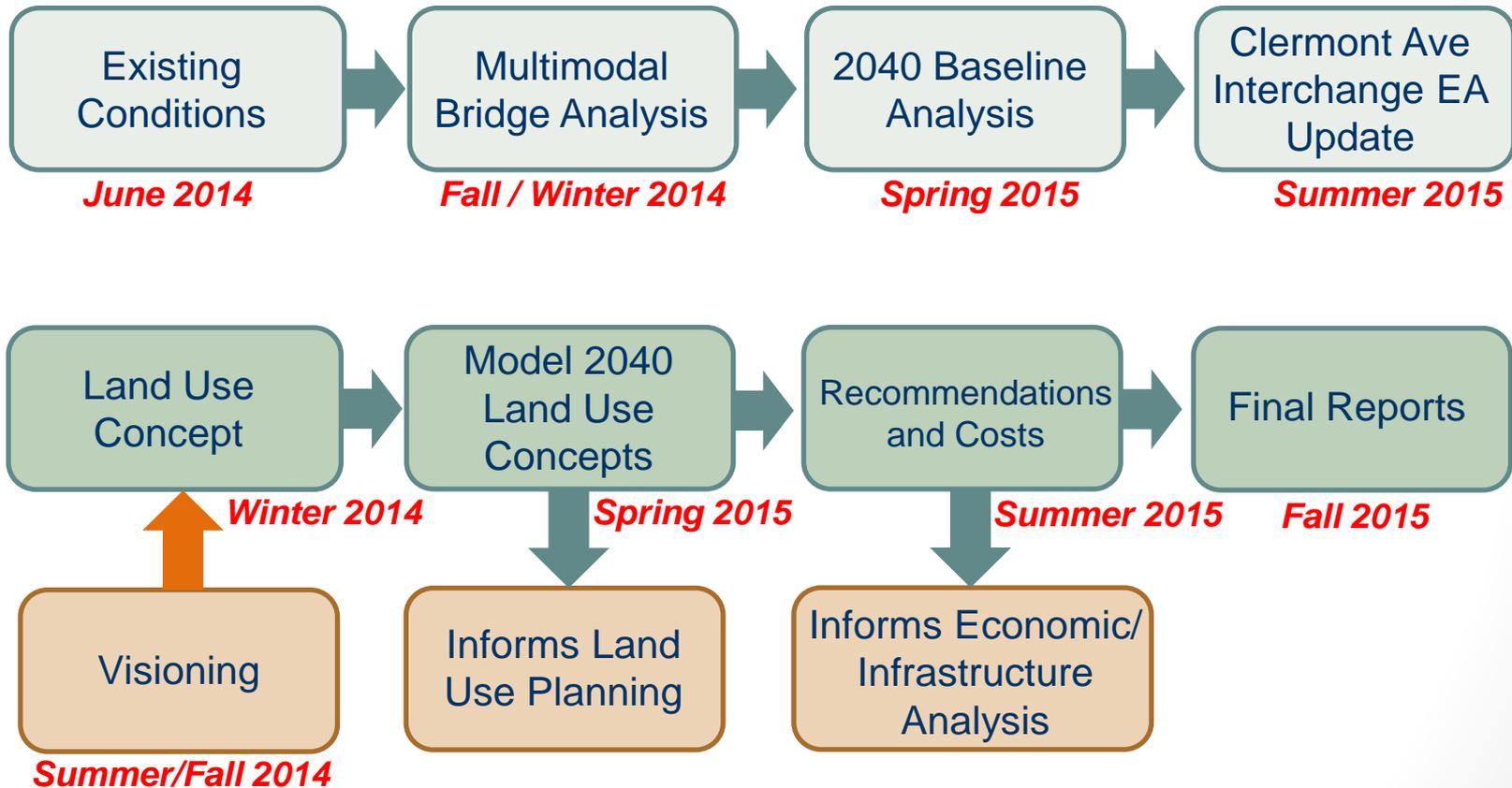
 Landmark/Van Dorn Corridor Plan Boundary (Overlay)

 Small Area Plan Boundary

 Transportation Study Boundary

Transportation Study

Major elements



Existing Conditions

The Value of the Network



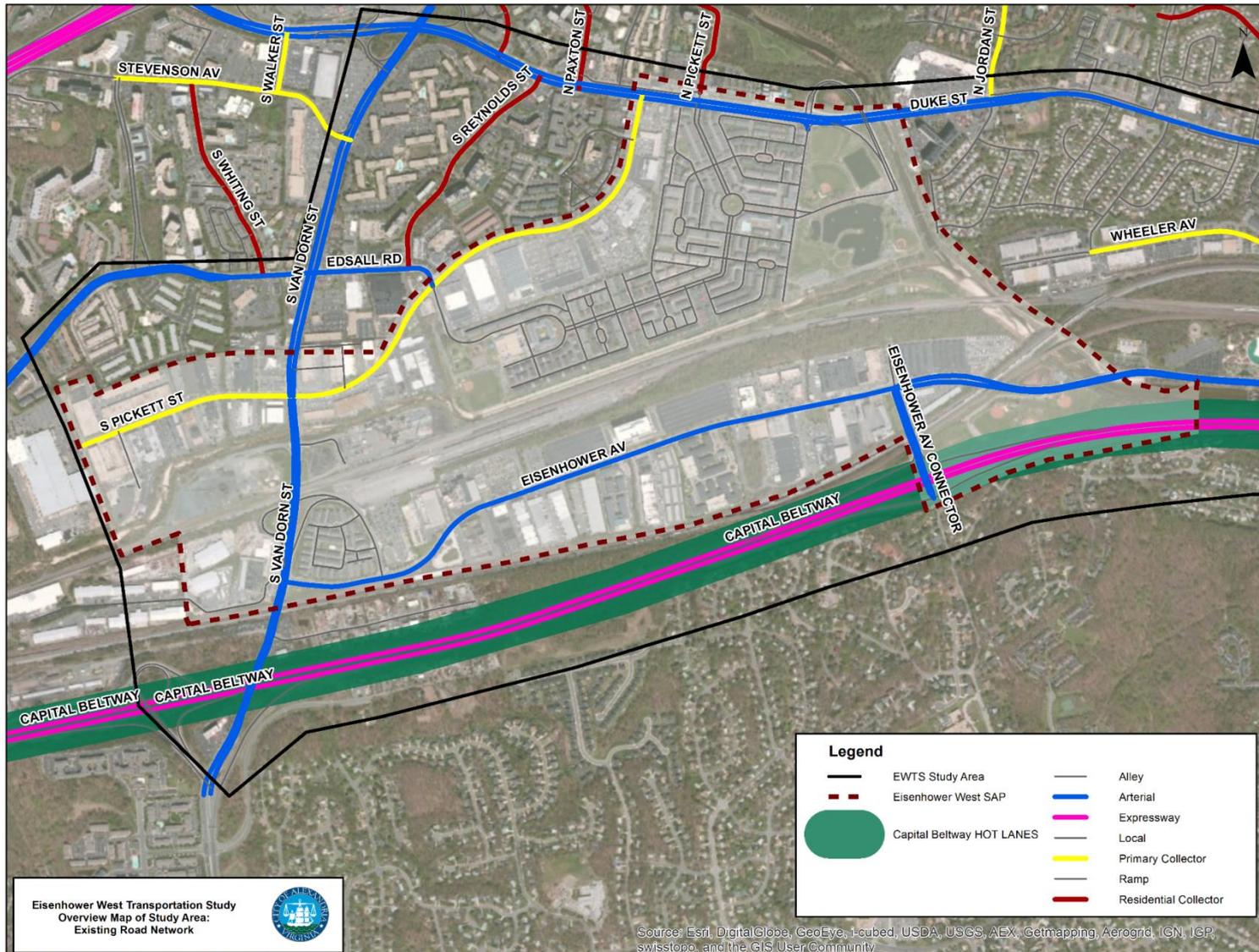
Old Town Alexandria



Eisenhower West Area



Existing Roadway Network



Summary of Existing Conditions



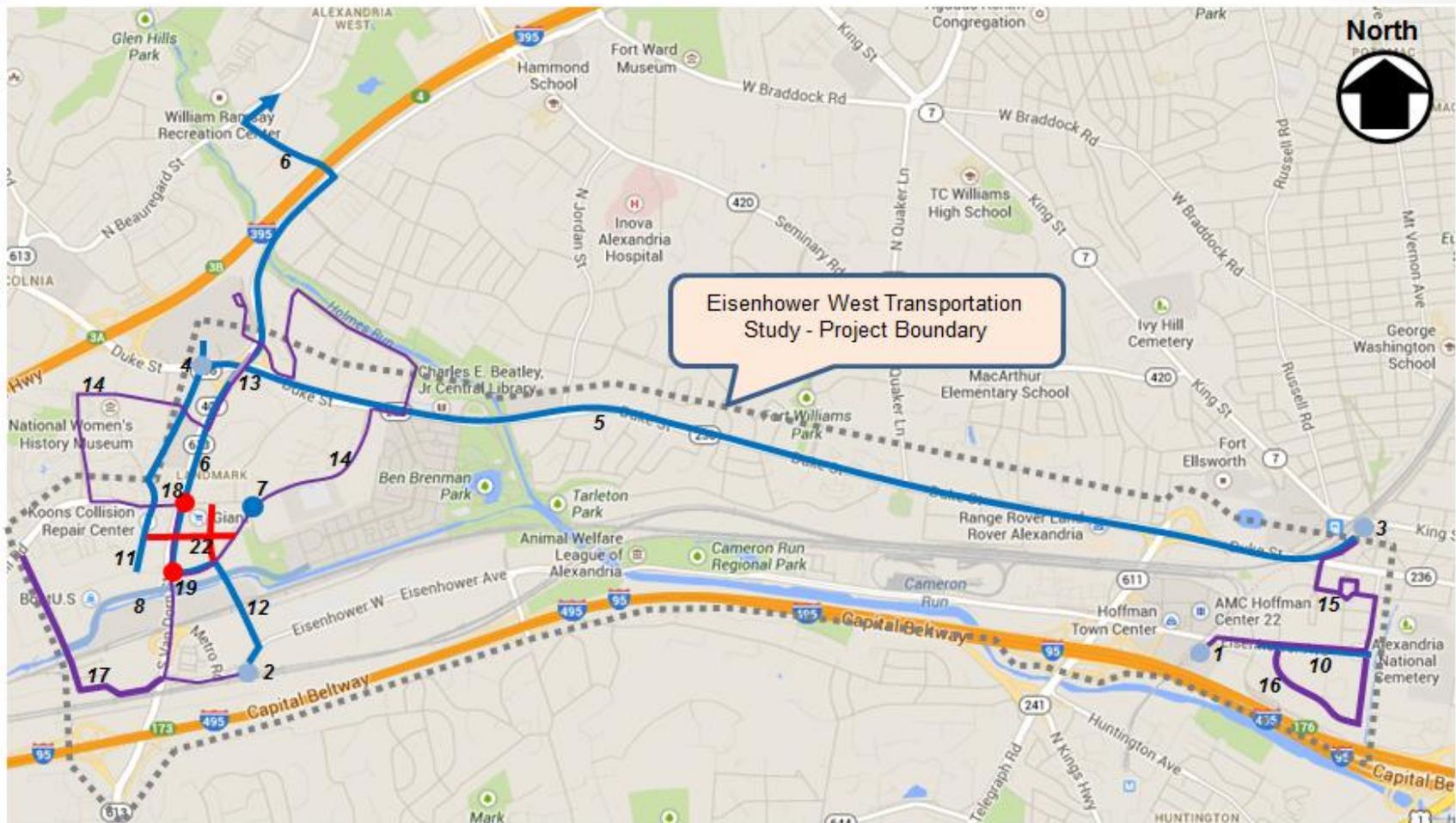
- Major east-west barriers (Backlick Run, railroads, I-495) inhibit north-south connectivity
- Most intersections operate at satisfactory Levels of Service
- Many intersections have some approaches that operate worse than LOS D
- Daily weekday ridership at Van Dorn Metrorail station is about 3,400 riders (6,800 trips)
- The Van Dorn Metrorail station existing parking lot is over capacity; most trips are via car or shuttle
- Area served by metrorail, Metrobus, and DASH transit
- Need for improved north-south pedestrian connectivity, and connectivity from developments such as Cameron Station to arterials
- Limited bicycle facilities – Backlick Run Trail



Community Concerns

- Circulation and Connectivity Goal – Eisenhower West will have safe, efficient and linked pedestrian, bicycle, transit and vehicular connectivity
- Improve connectivity
 - To Van Dorn Metrorail Station
 - Improved grid (Medium scaled grid)
 - Multimodal Bridge
 - Edsall Road connection
 - Pedestrian and bicycle connectivity
- Multimodal bridge is important – highest priority is pedestrians
- Improve bicycle facilities/connections to Van Dorn Metro and on Duke Street
- Improve transit options; Connect to regional transit
- Transit circulators / Use of Shuttles
- Make Van Dorn Metro station a hub for modes; improve circulation and parking
- Improve traffic flow on Van Dorn Street and Duke Street
- No cut through traffic in Seminary Hill / Quaker Hill

2040 Baseline Assumptions



- Alexandria CIP Project (Included in model)
- Alexandria LRP Project (Included in model)
- Developer and other Alexandria projects (Included in model)

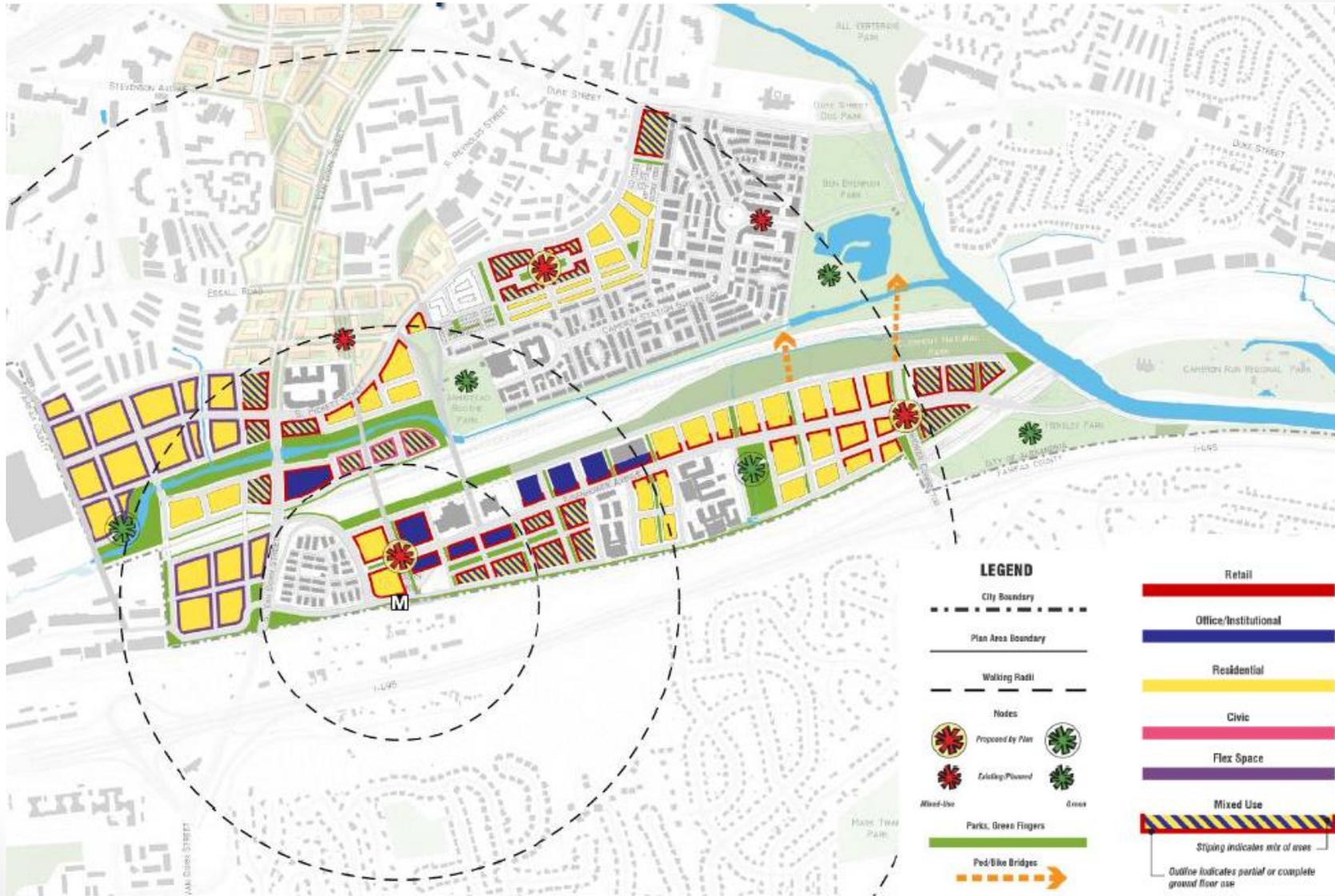
- - - - - Alexandria CIP Project (Not in model)
- - - - - Alexandria LRP Project (Not in model)
- - - - - Developer / Other Alexandria projects (Not in model)

2040 Baseline Transit Assumptions

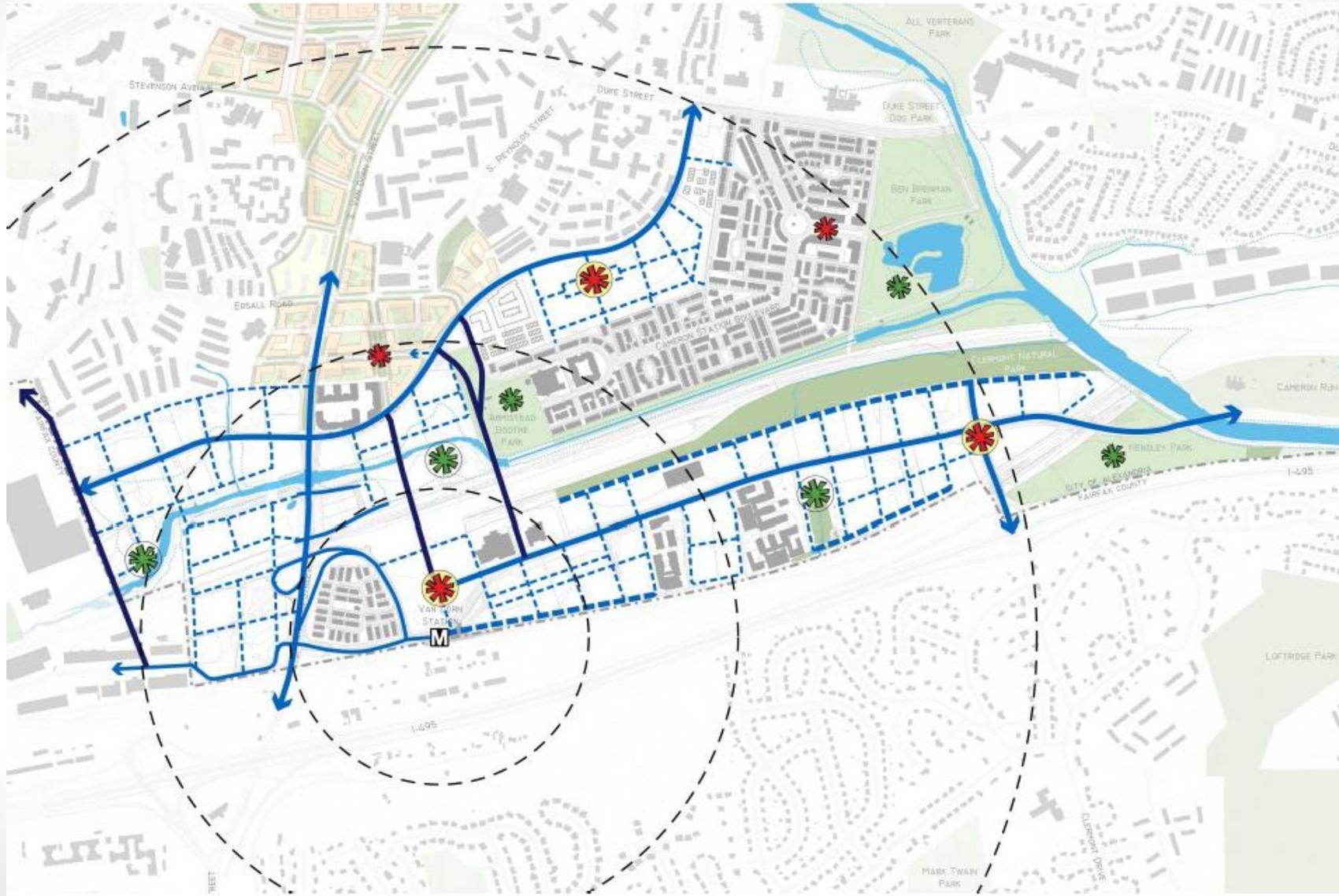


-  DASH Route
-  WMATA Route
-  Van Dorn Circulator (Proposed)
-  Future Transitway

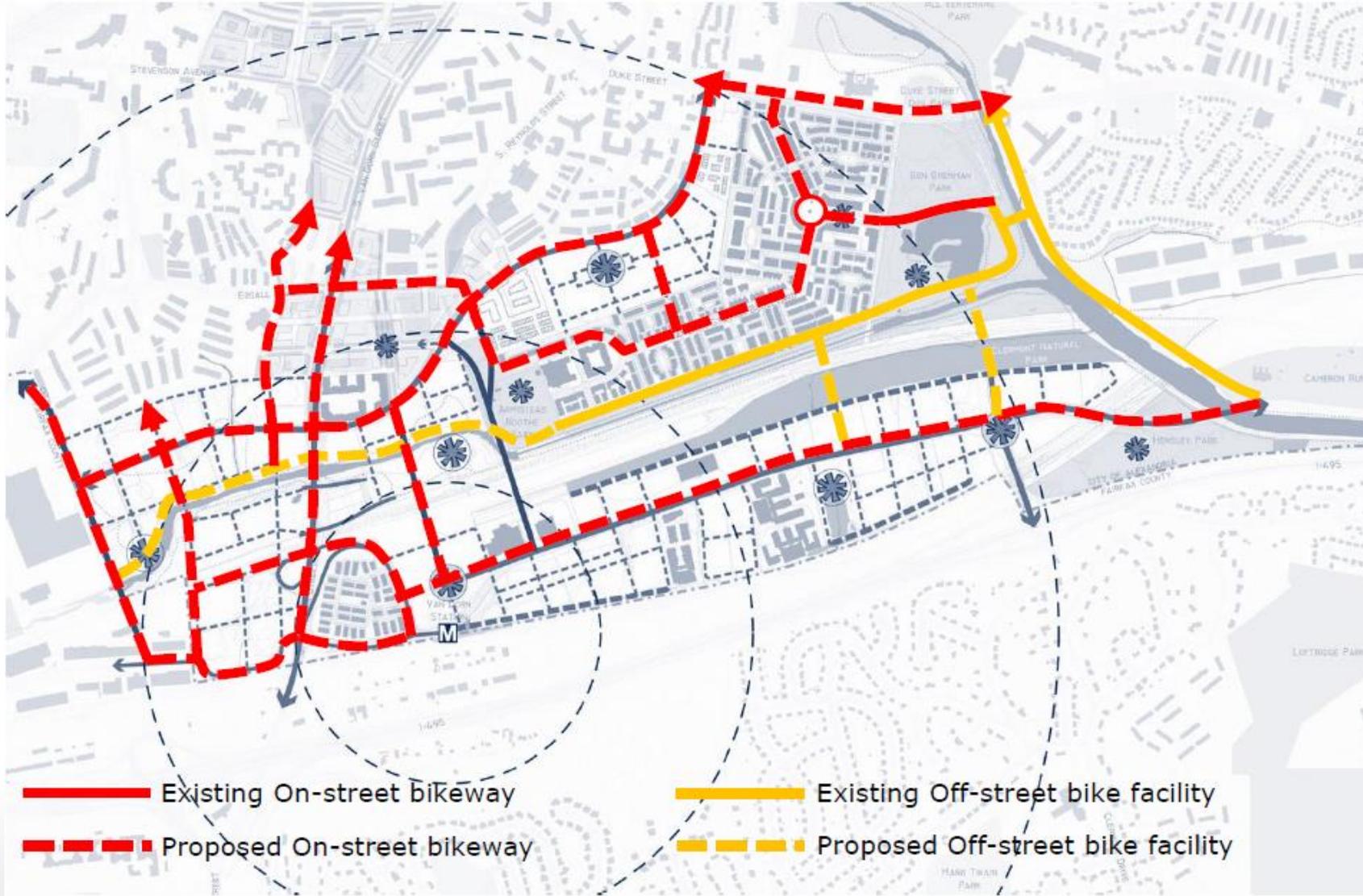
“Build” Proposed Land Use



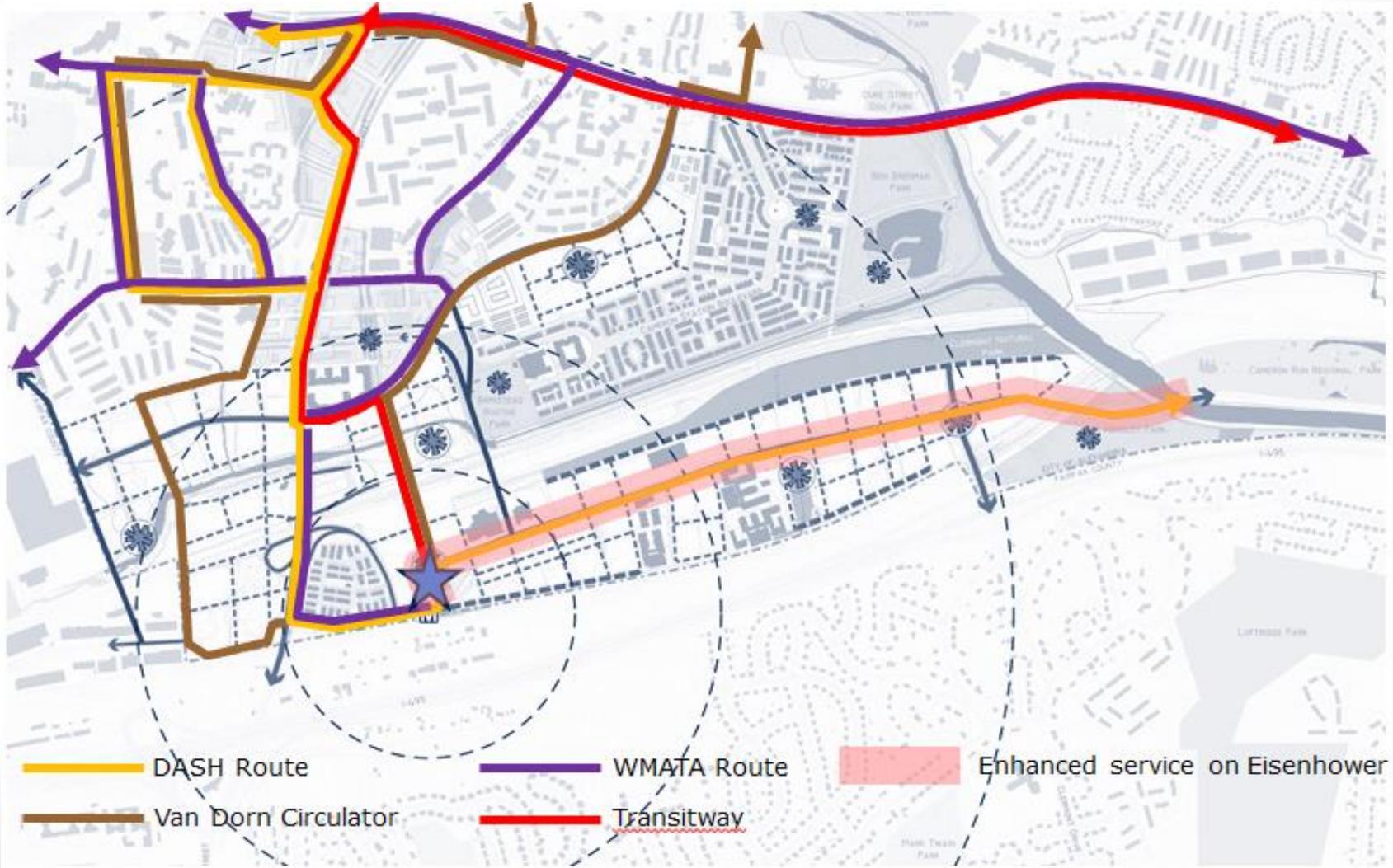
“Build” Proposed Street Network



“Build” Proposed Bicycle Network



“Build” Proposed Transit Network



Multi-modal Bridge: Walkability



Existing



Option 1



Option 2A



Option 2B



Option 3A



Option 3B

Within 1/2 mile walkability to Van Dorn Station

Within 3/4 mile walkability to Van Dorn Station



Transportation Commission Discussion

- Does the proposed planning effort serve the goals of the Transportation Master Plan?