

Goal	Theme	Alternative	1	2	3	4	5	6	7
		Mode	BRT	BRT	BRT+HRT	LRT	BRT	LRT	BRT
		Endpoints	Bayview - Ellicott City			Essex - CMS		Bayview - CMS	
		Length (miles)	22.7	18.4	19.1	16.4	17.1	14.1	14.2
		Number of Stations	39	36	25	28	33	19	31
		Average Station Spacing (miles)	0.6	0.5	0.8	0.6	0.5	0.7	0.5
		Measure of Effectiveness							
Improve the connectivity and operations of the existing transit network	Reliability	Percent of dedicated or separated guideway	84%	95%	95%	92%	94%	100%	93%
		Fixed or Flexible Guideway	FLEXIBLE	FLEXIBLE	FLEXIBLE/FIXED	FIXED	FLEXIBLE	FIXED	FLEXIBLE
	System Travel Savings	Average travel time savings for transit riders living in the corridor (minutes)	2	2	2	4	2	3	2
	Travel Time	Transit travel time between West Baltimore and Hopkins Bayview (minutes)	54	52	39	47	51	44	57
Expand the reach and connectivity of the regional transit network	Ridership	Projected daily boardings in 2045 per mile	1,100	1,100	1,400	1,400	1,400	1,900	1,500
	Connections	Connections to rail stations, frequent bus routes and locally operated transit systems	24	18	21	21	21	22	22
	Access	To households within 1/2 mile of a station, per mile	2,600	3,100	2,300	2,700	2,700	3,000	3,200
		To students within 1/2 mile of a station, per mile	800	1,200	1,000	1,000	1,000	900	1,000
To future jobs within 1/2 mile of a station, per mile		11,500	11,900	12,000	14,700	14,000	15,500	15,700	
Prioritize the needs of existing transit riders and transit-critical populations	Equity	Low-income population within 1/2 mile of a station, per mile	1,700	2,400	1,900	2,500	2,400	2,100	2,300
		Minority population within 1/2 mile of a station, per mile	4,100	5,700	4,600	5,300	5,200	4,800	5,200
		Zero-car households within 1/2 mile of a station, per mile	700	1,000	800	900	900	800	900
		Limited English proficiency population within 1/2 mile of a station, per mile	400	500	300	400	400	400	400
		Adult population over age 65 within 1/2 mile of a station, per mile	800	900	800	800	800	800	900
		Population with disabilities within 1/2 mile of a station, per mile	800	1,100	900	1,000	1,000	900	1,000
Maximize the economic and environmental benefit of a major transit investment	Sustainability	Trips shifted to transit	4,700	4,800	2,800	1,700	3,100	3,000	3,000
	Cost	Capital cost (\$ millions)	1,100	1,000	4,200	3,100	900	3,800	800
		Annual Operating cost (\$ millions)	16	14	53	46	13	36	11
	Implementation	Implementation time (years)	6-8	6-8	10-12	8-10	6-8	7-9	5-7
		Tunneling Complexity	N/A	N/A	HIGH	MEDIUM	N/A	HIGH	N/A