

Approved Master Plan & Sectional Map Amendment



Appendix 7: Public Facility Cost Estimates

Per Section 27-646(b)(4) of the Zoning Ordinance, all approved master plans must contain an estimate of the cost of all public facilities that must be acquired or constructed in order to carry out the objectives and requirements of the plan. This appendix provides those public facility cost estimates, in current (2005) dollars.

County's Capital Improvement Program (CIP) for Fiscal Years 2005-2010

Public Facility	Location	Estimated Cost	Comments
Libraries			
South Bowie Branch Library	Hall Road	\$ 6,140,000	CIP Project Number HL719313
Police			
Woodmore-Glenn Dale Police Station	New county police station. MD 193 and Bell Station Road.	\$ 4,870,000	CIP Project Number KJ500543
Fire and Emergency Medical Service			
Bowie Fire /EMS Facility	New fire and rescue station. In vicinity of Elder Oaks Boulevard.	\$ 2,670,000	CIP Project Number LK510650
Central County Fire/EMS facility	Construction of a new fire and rescue station. Leeland Road and Crain Highway (US 301).	\$ 3,320,000	CIP Project Number LK510423
Public Schools			
Bowie Area Elementary School	Proposed additional elementary school at 3700 Northview Drive.	\$16,400,000	CIP Project Number AA774923
Elementary School	Vicinity of Church and Oak Grove Roads.	TBD	New facility
High/Middle School	New High School or Middle School on the east side of Mitchelleville Road and Northview Drive.	TBD	New facility
Transportation			
Roads			
F-4: US 50/John Hanson Highway	Six to eight lanes and upgraded interchanges between I-95 and Anne Arundel County.	TBD: See comment	Preliminary road facility costs to be estimated during completion of the preliminary plan. Some cost estimates to be coordinated with the new Countywide Master Plan of Transportation. The roadway will comprise an eight-lane section, except on the segment east of the interchange of US 50/US 301/MD 3, which will contain six lanes.
F-10: MD 3	From Anne Arundel County to US 50 in a six to eight-lane section.	\$212,000,000	State Highway Administration (SHA) project planning study in progress).
F-10: US 301/Crain Highway	From US 50 southward, a freeway with six to eight lanes along with a continuous parallel arterial facility (A-61) on the west side and discontinuous two-lane undivided service roads within a 60-foot right-of-way on the east side. An alignment with interchange locations and service road improvements along Crain Highway (MD 3/US 301). A new interchange will be included in the Collington Center area between Trade Zone Avenue and Leeland Road.		

Public Facility	Location	Estimated Cost	Comments
E-1: Central Avenue (MD 214).	Build to expressway standards: four- to six-lane section from Enterprise Road (MD 193) to US 301; Later initiative: remaining easterly segment to Anne Arundel County).	\$21,886,000	<ul style="list-style-type: none"> • Subdivisions along Central Avenue should have 225-foot lot depths, sufficient landscaping and buffering, to mitigate noise and adverse visual impacts. • The interchange at MD 214 and Hall Road-East shall be designed to not adversely impact development and/or access to residential development located on the north side of Central Avenue.
A-23: MD 450	From Glenn Dale Boulevard (MD 193) to MD 3: Six-lane section.	\$33,268,000	Only four through lanes may be constructed with auxiliary lanes or urban shoulders for turning movements within the City of Bowie, generally between MD 197 and Race Track Road. Current SHA Project Planning Study includes an interchange at MD 3 and MD 450.
A-24: MD 197 and Jericho Park Road	From Collector Road (C-40) to US 301 in a four- to six-lane section.	\$50 218 000	The section of A-24 between MD 450 and US 50 should be limited to four lanes within the existing 150 foot right-of-way until forecast travel demands warrants further expansion.
A-25: Mitchellville Road. New facility	From MD 197 to Mount Oak Road: a four- to six-lane section	\$4,193,000	
A-26: Woodmore and Mount Oak Roads	Between Enterprise Road and Mitchellville Road: a four- to six-lane section.	\$32,898,000	Includes the relocation of Woodmore Road to tie into the Mount Oak Road/ Church Road intersection.
A-27: Enterprise Road and Watkins Park Drive (MD 193)	Between MD 450 and MD 202: a four-lane divided section with adequate turn lanes in a 120- to 150-foot right-of-way.	\$41 428 000	
A-61	Constructed parallel to F-10 (Robert Crain Highway-US 301) along the western side of that facility.	\$48,485,000	<ul style="list-style-type: none"> • Segments of this facility may incorporate segments of existing US 301. • A-61 proposed to provide access to land uses between proposed interchanges of F-10 with radial facilities (US 50, Collington Road (MD 197) and Central Avenue (MD 214)). Northern terminus will be the F-10/MD 197 interchange • Roadway will extend southward beyond the Subregion III planning border.

Public Facility	Location	Estimated Cost	Comments
MC-600: Leeland and Oak Grove Roads; New facility	Major collector	\$22,028,000	
C-300: Church Road	Collector	\$39,000,000	
C-301: High Bridge Road and Chestnut Avenue	Collector: To Eleventh Street	\$15,774,000	
C-302: Fairwood Parkway	Collector	\$8,742,000	
C-303: Old Chapel Road	Collector: Between High Bridge Road and MD 197.	\$5,000,000	
C-304: Mitchellville Road	Collector: From Mount Oak Road to the US 301 (A-61).	\$7,438,000	
C-305: Mount Oak Road	Collector: From Mitchellville Road to US 301.	\$5,009,000	
C-306: Northview Drive	Collector: South of New Haven Drive to Mitchellville Road.	\$5,748,000	
C-307: Excalibur Boulevard	Collector: From Evergreen Parkway to US 301.	\$5,736,000	
C-308: Mitchellville Road	Collector: From north of MD 197 into the Renaissance Center	\$3,500,000	
C-310: Race Track Road.	Collector: South of Old Chapel Road to MD 450.	\$7,173,000	
C-311: Old Chapel Road	Collector: East of MD 197.	\$7,474,000	
C-312: Duckettown Road	Collector	\$9,480,000	
C-313: Existing MD 197	Collector	\$9,670,000	
C-314: Lanham-Severn Road (MD 564)	Collector	\$11,807,000	

Public Facility	Location	Estimated Cost	Comments
C-315: Jericho Park Road–Race Track Road	Collector	\$10,656,000	New collector in existing alignment to compensate for deletion of A-19
C-322: Springfield Road	Collector: From MD 564 to Good Luck Road	\$4,907,000	
C-342: Fletchertown Road	Collector	\$9,024,000	
C-343: Hillmeade Road–Bell Station Road Extended	Collector: From MD 450 to Fletchertown Road	\$9,941,000	
P-300: Hall Road	Primary Street	N/A	Costs of primary roads are borne by the developer.
P-301: Hillmeade Road Extended	Primary Street	N/A	Costs of primary roads are borne by the developer.
I-300: Prince George’s Boulevard	Industrial Street	\$11,960,000	
I-301: Commerce Drive	Industrial Street		
Transit			
Bowie Area Transit Shuttle (BATS)	Circulator and limited feeder transit system.	TBD	<ul style="list-style-type: none"> • New facility. • Final capital cost estimates to be coordinated with the City of Bowie and County DPW&T, as part of the completion and implementation Countywide Transit Service & Operations Plan (TSOP). • Initial service area to include Bowie Regional Center, Bowie Town Center and commuter parking lot. • System facility and service expansion to be coordinated with development recommended in this master plan.

Public Facility	Location	Estimated Cost	Comments
US 50 John Hanson Highway	Dedicated right-of-way or fixed guideway transit—bus rapid (BRT) or light rail (LRT) transit—within existing right-of-way on US50.	TBD	<ul style="list-style-type: none"> • New facility. • Long term. • Follow-on, expansion of proposed Bowie Area Transit Shuttle. • Coordinate with Countywide Master Plan of Transportation and County Transit Service & Operations Plan. • Coordinate with US DOT, WMATA, Maryland Department of Transportation, DPW&T, and Anne Arundel County.
Trails			
Multi-use trail New facility	Old Town Bowie to Bowie State MARC Station.	\$240,000	Parallels existing MARC alignment. Long-term recommendation that will require a feasibility study will be needed. Provides access from Old Town Bowie to the existing MARC station.
Dual bikeway facility	<ul style="list-style-type: none"> • Jericho Park Road • Race Track Road • Old Chapel Road 	\$120,000 for Jericho Park Road \$720,000 for Race Track Road \$320,000 for Old Chapel Road.	Include wide curb lanes, and either bike lanes or shoulders capable of accommodating bicyclists. Provide non-motorized access to Bowie State campus and MARC station. Includes an eight-foot wide side path or wide sidewalk to accommodate pedestrians and school children, plus wide curb lanes, designated bike lanes or paved shoulders capable of accommodating bicyclists.
Expanded bikeway and trail network	Bowie Regional Center (boundaries as recommended in updated master plan).	TBD	Costs of final alignments and connections to be based on type and phasing of new development and redevelopment in the regional center.
Pedestrian bridge	Across Crain Highway (US 301) in the vicinity of either Ballpark Road or Governor Bridge Road.	TBD	New facility costs to be based on final design and profile of the bridge.
Pedestrian facility upgrades	<ul style="list-style-type: none"> • 9th Street Corridor • 11th Street (MD 564) Corridor 	TBD	New facility Access to Old Town Bowie, Railroad Museum, Huntington South Park, the post office and community center. Will involve sidewalk connections, some trail connections, and pedestrian safety measures.
Trails\ designated bike lanes	Former MD 450, from Bowie to West Bowie Village.	TBD	New facility. Utilizes the old MD 450 roadway, with a portion of the old road being used as a bicycle and pedestrian connection.
Paved trail connection	Through Tanglewood Park from the Northridge community to Zug Road.	TBD	New facility. Provides a trail connection between the residential areas along Fletchertown Road with Old Town Bowie.

Public Facility	Location	Estimated Cost	Comments
Trail connection	Old Town Bowie to planned park at Sandy Hill Landfill site.	TBD	New facility. Will provide a connection from Old Town Bowie to the planned park facilities on the old landfill site.
Equestrian Trail TBD	Along Patuxent River.	TBD	New facility. Recommended for publicly-owned land along Patuxent River tributaries in the Rural Tier.
MD 3/301 Commuter Bikeway	SHA is currently considering a trail along MD 3 from MD 450 north to Odenton.		Bicycle/trail accommodations along the MD 3/301 corridor. Allows for bicycle or trail access along this vehicular corridor as road improvements are made. Additional segments of trail may be feasible as the road is improved.
Collington Branch Stream Valley Trail	MD 214 to Leeland Road.	\$600,000	This trail will provide recreational opportunities for the developing communities in the corridor, such as Karington and Beech Tree.
Shared-use Roadways	Claggett Landing Road, Queen Anne Road, Queen Anne Bridge Road, Mill Branch Road.	TBD	New facilities
WB&A Spur Trail	WB&A Trail to the Fran Uhler area.	\$350,000	This project will provide a natural surface trail from the WB&A Trail north to the Fran Uhler Natural Area. It could also include side trails to the adjacent Bowie State University. Some bridging and boardwalking will be necessary.
Parks and Open Space			
Green Branch Community Park	Green Branch Southeast quadrant of US 50 and US 301, bounded by Baysox Stadium, Mill Branch Road, US 301 and the Patuxent River.	\$400,000	New facility. Costs for 20 acres needed for vehicular connection.
Thompkins Community Park	MD 197 near Patuxent Research Refuge.	\$1,400,000	70 acres
Pecan Ridge Community Park	Southwest of MD 197 and MD 564.	\$1,000,000	New park recommendation. 50 acres.
Horsepen Branch Neighborhood and Stream Valley Park	Southeast of MD 197 and Race Track Road.	\$200,000	10 acres
Patuxent River Park	Behind Bowie Race Track.	\$1,000,000	New park recommendation (connection to Patuxent River). 50 acres.
Idlewild Community Park	MD 450 west of MD 3.	\$2,400,000	120 acres

Public Facility	Location	Estimated Cost	Comments
Freeway Community Park	Southwest quadrant of Church Road and US 50.	\$600,000	New park recommendation. 30 acres.
Woodmore South Community Park	Northeast quadrant of MD 193 and MD 214, adjacent to Six Flags.	\$300,000	150 acres
Karington Community Park	Southwest quadrant MD 214 at US 301 (Crain Highway).	\$600,000	New park recommendation. 30 acres.
Willowbrook Community Park	Northwest quadrant of MD 301 and Leeland Road.	\$400,000	New park recommendation. 20 acres.
Honey Branch Community Park	Southeast quadrant of MD 301 and Queen Anne Bridge Road.	\$600,000	30 acres

