



ANNE ARUNDEL COUNTY
TRANSPORTATION
MASTER PLAN



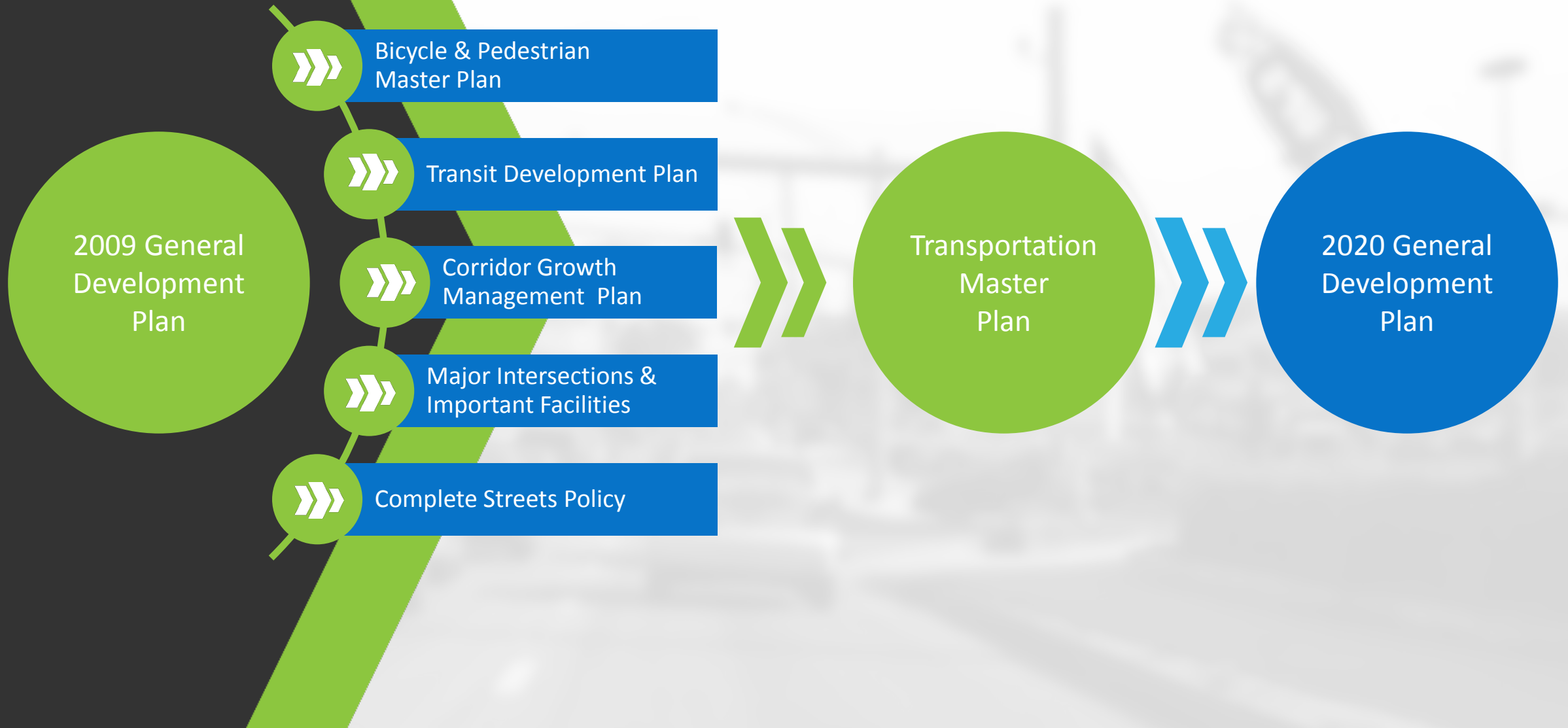
Project Goals / Outcomes



The Transportation Master Plan should result in a balanced program of mobility investments that is:

- Integrated with land use and demographic patterns
- Performance oriented
- Reflective of community values
- Fiscally constrained

Transportation Master Plan



Project Schedule

By February 2018

- » Consolidate findings/issues from prior studies
- » Establish vision, goals, objectives and performance measures

By April 2018

- » Develop project prioritization
- » Establish revenue projections

By June 2018

- » Develop constrained long range plan

By January 2019

- » Master plan ready for Council review



Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 4 to 6 lanes between US 50 and MD 32	
Transit	<ul style="list-style-type: none">Operation of all-day weekday high quality transit service along this corridor with stops in Parole Town Center, Benfield Blvd, Glen Burnie Town Center, Glen Burnie Light Rail Station, BWI Airport and Arundel Mills Mall	
Toolbox Elements	<ul style="list-style-type: none">Enhance Active and Event Traffic Management through implementation of variable speed limits, dynamic lane marking, Variable Message Signs, and enhanced traveler information systems	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 6 to 8 lanes between I-97 and the Chesapeake Bay Bridge (including widening the Severn River Bridge)Extend the existing carpool (HOV 2 or more persons) lanes from the Prince George's County Line to I-97Configure separate express and local travel lanes between I-97 and MD 2Implement ramp metering between MD 665 and MD 2	Severn River bridge lane conversion to add 4 th eastbound lane
Transit	<ul style="list-style-type: none">Operation of all-day weekday high quality transit service (four routes) along this corridor with stops in Annapolis, Navy Stadium Park & Ride lot, Parole Town Center, Davidsonville, Bowie and continued service to key destinations in downtown Washington, D.C. The transit service would be permitted to run in the carpool lanes at all times. This service would be in addition to the existing MTA express bus services (922 and 950)Develop an intermodal hub in the Parole Town Center area, with direct access to/ from US 50 and expanded park and ride capacity	Study funded
Toolbox Elements	<ul style="list-style-type: none">Enhance Active and Event Traffic Management through implementation of variable speed limits, dynamic lane marking, Variable Message Signs, and enhanced traveler information systems	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 4 to 6 lanes between US 50 and MD 10	<ul style="list-style-type: none">Glen Burnie to Severna Park included on SHA "Smart Signals" project
Transit	<ul style="list-style-type: none">Operation of all-day weekday high quality limited stop transit service along this corridor with stops at the Navy Stadium Park and Ride lot, Anne Arundel Community College, Jones Station Park and Ride, Severna Park Plaza, Marley Station, Glen Burnie Town Center and key destinations in downtown Baltimore. This service would not replace the existing MTA local bus route #14	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">• None	<ul style="list-style-type: none">• Glen Burnie to Severna Park included on SHA “Smart Signals” project
Transit	<ul style="list-style-type: none">• no new service but improve existing service frequency, span, and upgrade bus stops with real-time transit information, shelters, lighting and benches	
Toolbox Elements	<ul style="list-style-type: none">• Develop improved access controls such as frontage road creation and streetscape treatments as redevelopment occurs to create a boulevard style cross-section• Evaluate the need for improvements to connecting roadways such as MD 214 to improve intersection level of service• Evaluate MD 2 South from Aris T. Allen Blvd to and including the South River Bridge	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">• Widen to 8 lanes (between I-95 and MD 295)• Construct new carpool (HOV 2 or more persons) lanes from I-95 to I-97	
Transit	<ul style="list-style-type: none">• Provide subscription transit services and eventually express bus service	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 4 to 6 lanes between I-95 and I-97	
Transit	<ul style="list-style-type: none">Operation of all-day weekday high quality transit service along this corridor with stops in Marley Station, BW Medical Center, MD 170 (potential future MARC Station), Arundel Mills, Dorsey MARC Station, Snowden River Park & Ride, and Long Gate Park & Ride/ Ellicott City	
Toolbox Elements	<ul style="list-style-type: none">Configure separate express and local lanes between I-97 and MD 2Implement ramp metering between MD 295 and MD 2Evaluate interchange improvements such as extended acceleration and deceleration lanes to enhance merging and weaving between I-97 and Catherine Ave	





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">• Widen from National Business Pkwy to McCarron Court from two to six lanes• Widen from Disney Road to Reece Road from two to six lanes• Intersection/capacity improvements between Charter Oaks/Mapes Road and Reece Road• Operational improvements between MD 295 and MD 170	Construction underway on all segments (except NBP to McCarron, mid-2018)
Transit	<ul style="list-style-type: none">• Odenton MARC Station Improvements	Ongoing
Toolbox Elements		





Mode/ Strategy	Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 4 to 6 lanes between MD 100 and I-195	<ul style="list-style-type: none">Planning study complete
Transit	<ul style="list-style-type: none">Operation of new local transit service in parallel corridors such as MD 176 and MD 713	
Toolbox Elements	<ul style="list-style-type: none">Enhance signal coordination on parallel corridors such as MD 713, MD 170Evaluate improved local road connectivity west of MD 295Improvements to Race Road, Brock Bridge, Ridge Road and US 1 to carry additional local traffic	





Mode/ Strategy		Description	2017 Notes
Roadway	<ul style="list-style-type: none">None		
Transit	<ul style="list-style-type: none">Extend the existing MTA bus route #64 to Chesterfield Plaza and increase peak hour headways		

Mode/ Strategy		Description	2017 Notes
Roadway	<ul style="list-style-type: none">Widen from 4 to 6 lanes between the Prince George's County line and MD 32Study on hold by SHA		
Transit	<ul style="list-style-type: none">Operation of all-day weekday high quality transit service along this corridor with stops in Bowie MARC, Bowie Town Center, Crofton, Waugh Chapel, Odenton, Benfield Blvd, Glen Burnie Light Rail, BWI Airport and Arundel Mills		

MD 198

- Address capacity issues between 295 and 32
- County contributed \$3.5m for planning phase; engineering underway for segment from Corridor Market Place to MD 295 and partial interchange at MD 198 and MD 295

MD 176: MD 170 to MD 2

- **Improve bicycle and pedestrian facilities such as sidewalks and bicycle lanes/ signed routes**
- Implement access management
- Implement new site design guidelines/ overlay district to provide a more walkable streetscape/ building frontage
- Implement shared parking requirements

MD 170: MD 2 to MD 175

- Widen from 2 lanes to 4 lanes from MD 175 to MD 100

MD 713/ Ridge Road: MD 176 to MD 175

- Widen from 2 lanes to 4 lanes from MD 175 to Arundel Mills Blvd to relieve traffic on MD 295
- Widen from 4 lanes to 6 lanes from Arundel Mills Blvd to MD 176 to relieve traffic on MD 295
- Provide more frequent local transit service.



County-led Roadway Projects

- » MD 214/MD 468 Intersection Improvements (c)
- » Pasadena Road (c)
- » Riva Road at Gov Bridge Road (e)
- » Hanover Road Corridor Improvements (e)
- » Mountain Road Corridor (e)
- » Race Road/Jessup Village (s)
- » Andover Road (s)

(s)tudy

(e)ngineering

(c)onstruction



Transit Projects

State-Led/Funded Projects Projects

- » MARC investments to improve capacity and reliability
- » BWI station upgrades
- » Annapolis – new shelters, replacement buses and maintenance facility upgrades
- » CMRT mobility management program
- » Fort Meade shuttle buses



Funded Bicycle & Pedestrian Projects

State Funded

- » B & A Trail Connection to Anne Arundel Community College
- » Broadneck Peninsula (Phase II)
- » South Shore Trail

Locally Funded

- » Jumpers Hole Road Sidewalks & Bike Plan
- » Odenton Sidewalks
- » WB&A Trail
- » Severn-Harman Pedestrian Network
- » Monterey Avenue Sidewalks

Additional Plan Considerations

- » System preservation
- » Systems management & operations
- » Demographics (baby boom retirement)
- » Funding sources, including impact fees
- » County role in local/regional transit
- » Resiliency
- » Washington region coordination
- » Freight and good movement
 - BWI International Terminal Expansion
 - BWI Maintenance Facility
 - Port of Baltimore

A black and white photograph of a street scene. In the foreground, a car is partially visible on the left. In the background, there are trees and a person walking on the sidewalk. A semi-transparent gray banner is overlaid across the middle of the image.

Thank You!