

# **General Development Plan 2008**

## **Background Report On Transportation**



**May 2008**

## **I. Introduction and Background**

Since the adoption of the 1997 *Anne Arundel County General Development Plan*, several change agents have occurred within the County creating redistributions and reassignments in travel flow, increases in travel demand, changes in modes of travel, and other influences on the mobility of the County's residents and work force and accessibility to its activity centers.

In no special order, among those are:

- Arundel Mills with more than 2.5 million square feet of retail, residential, office space, a campus of Anne Arundel Community College and other uses and activities. As a regional activity center, the development is connected to the regional highway network with an interchange on MD 100 and on MD 295, plus highway improvements to Ridge Road (MD 713) and construction of Arundel Mills Boulevard. Arundel Mills has been noted as the largest single tourist destination in the State of Maryland. This offers a significant impact to the highway network both in terms of trips locally as well as longer distance travel.
- Baltimore Washington International Thurgood Marshall Airport (BWI) entering its last stages of a \$1.8 billion expansion program including land side facilities such as an 8,400-space parking garage, 500,000 square feet of new terminal space, security upgrades, eleven new aircraft gates, a consolidated rental car facility permitting 11,000 spaces of rental car storage and activity, pedestrian and transit access improvements, and increases in immediate accessible parking. Contrasting industry trends in commercial aviation, BWI will serve more than 21 million passengers in 2008 most of which use the airport for origin or destination purposes. This is a key issue as it creates significant travel demand on highway and transit facilities serving the County. BWI also is expanding its air cargo operations moving approximately 600 million pounds of air freight in 2005. Another fact noted by increased demand for truck borne freight movement in and around the airport is also leading to increased travel demand on major highway facilities serving the airport such as I-195, MD 295, I-97, I-695 and MD 170.
- Parole Growth Management Area that has recently added the Annapolis Town Center at Parole, a developing mixed used commercial/residential activity center situated along the major roadways supporting Annapolis Neck (MD 450, MD 2, MD 665, Forest Drive), and east-west travel (US 50/301). Also included in this rapidly urbanizing area is Westfield Shopping Center (Annapolis Mall), Anne Arundel Medical Center and other commercial and denser residential development. The combination of development projects in this area generates substantial travel demand placing strains on traditional travel corridors connecting Annapolis Neck to Maryland's Eastern Shore, Washington D.C. and its suburban jurisdictions, and with Southern Maryland.
- Fort George G. Meade, along with its major Department of Defense tenant, the National Security Agency (NSA), combine to occupy over 5,000 acres of land between the Prince George's County (Patuxent River) boundary to the south, MD 175 to the north, the Northeast Corridor (AMTRAK, CSX rail lines) to the east and the Baltimore Washington

Parkway (BWP) to the west. This Federally-controlled, secure installation supports a daytime population of more than 42,000 people, both uniformed military and Department of Defense civilian workforce. There are plans to relocate more than 5,700 new jobs to the site from Northern Virginia and other locations nationwide. Those direct jobs will generate an additional 6,000 estimated contractor jobs. Combined, those two collections of employment will increase area household income, creating a demand for an estimated 11,000 additional (or induced) jobs, mostly in the service industries. Primary employment transferring to Fort Meade through the 2005 Base Realignment and Closure (BRAC) recommendations will change the mission of the Fort Meade campus from a deployment center to an employment center. The transportation implication of this action will be increased travel demand on area roadways, especially portions of the network linking the Washington suburbs with the installation and with residential areas within the County and neighboring Prince George's and Howard Counties.

- The William Preston Lane Memorial (Chesapeake Bay) Bridge, although a fixture in the 1997 highway network, is gaining influence in travel assignments along the US 50/301 corridor. Mostly sparked by residential development occurring in Queen Anne's, Caroline and Talbot Counties located on Maryland's Eastern Shore, the greatest component of growth in travel demand across the Bay span are origins and destinations in these three jurisdictions. Current travel counts on the bridge are approximately 70,000 per average (non weekend, holiday or summer) travel day. When those events occur, travel demand increases to approximately 90,000 per day. Forecasts of future travel demand based on forecasts of land use changes on both sides of the Bay indicate that by 2015 average daily travel will mirror the level of demand experienced on holiday and summer weekends.
- Western County development, while again occurring during and before the completion of the 1997 GDP, is increasing. Three of the major anchors of that development, BWI, Fort Meade, and Arundel Mills are noted above. Highway capacity, available and appropriately zoned land, proximity to Howard County and the Intercounty Connector in Prince George's and Montgomery Counties, and the currently reasonable drive time lengths to both Washington and Baltimore will continue to support this area's development. The implications of this growth will be increased travel demand on north-south facilities such as the Baltimore-Washington Parkway (BWP or MD 295), MD 170 and MD 713 (both of which parallel the BWP), east-west facilities such as MD 32, MD 175 and MD 100 providing access to development activity and north-south facilities, and as appropriate, MARC rail transit and its feeder bus services.

Combined, these change agents exert travel demands on the existing and planned highway and transit network over the span of this GDP Update. Since some of these activities are only partially controlled or accountable to County development regulations, outside (State and/or Federal) funding participation will be necessary to reduce the impact of this impending growth. Based on the 2035 demographic (population and employment) forecast, growth in employment will lead to an increase in jobs per household (1.65 jobs per household). The mobility challenge of these households to jobs and the opportunities for employment will require either increases in automobile ownership per household (currently 1.92 automobiles per household based on the

U.S. Census) or in greatly improved transit availability both in the coverage of area and in the span of service (hours of operation).

### **Changes in the Transportation Network**

Residents, travelers and workers within Anne Arundel County are afforded several modes of travel opportunities depending upon their trips' origins and destinations. The various modes of travel available within the County and connecting the County to and beyond the Baltimore and Washington areas are presented below.

Since the adoption of the 1997 *General Development Plan (GDP)*, there have been few major improvements in the highway and fixed transit (rail) system. Most notable was the completion of the double-tracking of the Baltimore Central Light Rail, the multi-lane freeway sections of MD 100, and the removal of the last traffic signals along MD 32 at the entrances to Fort Meade. These improvements offer better travel connections from Anne Arundel County to Baltimore City and Baltimore County (Light Rail from Cromwell Station), high speed and long distance automobile and truck travel between Pasadena and I-95 and US 29, and between Annapolis and Columbia (including I-95 and US 29) in Howard County, respectively.

### **Commuting Patterns**

Census information available after the 1997 GDP indicates a shift in commuting patterns favoring increased employment in the Washington Metropolitan Area from the more traditional Baltimore Metropolitan Area. Still, practically 60 percent of the employment within Anne Arundel County is held by County residents.

Of employment filled by workers commuting into the County, traditional travel patterns from the Baltimore Metropolitan Area continue to prevail, but it is important to note the growth in commuter travel from the Eastern Shore (mostly from Queen Anne's and Caroline Counties).

Commuting patterns within the County are displayed in Table 1 below:

**Table 1. Means of Commuting –Percentages by Mode**

| <b>Mode of Commute</b> | <b>1990 Census</b> | <b>2000 Census</b> |
|------------------------|--------------------|--------------------|
| Drive Alone            | 77.0               | 80.3               |
| Carpool                | 13.6               | 10.7               |
| Transit (All types)    | 1.8                | 2.5                |
| Bike/Walk              | 4.3                | 2.5                |
| Work at Home           | 2.6                | 3.4                |

Comparisons in the commuting trip are shown in Table 2 below:

**Table 2. Commuting Comparisons**

|                        | <b>1990 Census</b>  | <b>2000 Census</b>  |
|------------------------|---------------------|---------------------|
| Modal Commute Time     | 30-44 Minutes       | 30-44 Minutes       |
| Mean of Commute Times  | 25.9 Minutes        | 28.9 Minutes        |
| Departure to Work Time | 5 – 9:00 AM (76.6%) | 5 – 9:00 AM (78.2%) |

Table 3 displays the comparisons of origins and destinations of work trips based on 2000 Census information:

**Table 3. Inbound and Outbound Work Trip Comparisons--Percentages**

| Jurisdiction           | Inbound | Outbound |
|------------------------|---------|----------|
| Baltimore County       | 9       | 5        |
| Baltimore City         | 6       | 9        |
| Howard County          | 6       | 6        |
| Montgomery County      | 1       | 3        |
| District of Columbia   | 1       | 6        |
| Prince George's County | 4       | 10       |
| Southern Maryland      | 1       | 1        |
| Eastern Shore          | 2       | 1        |
| Anne Arundel County    | 65      | 56       |
| Other Locations        | 5       | 3        |

### **Modes of Commuting**

Commuting to work, or as technically referred to as the home-based work trip, accounts for approximately 20 percent of all average daily travel. Again, Census information indicates that the strongest commuting trend continues to be the use of single occupant automobiles as noted in Table 1 above. There appears to have been an increase in the percentage of commuting made in this fashion since the 1997 GDP. Transit as a percentage of work trip choice remains fairly small as a percentage, but does reflect an increase. Walking and biking to work also remain about the same in number, but have experienced a slight decrease in percentage as well. As technology advances and the cost of equipment to operate a home office declines, the percentage of people who telecommute and do not commute to an outside workplace has increased. Since the County is increasing its employment base in the information technology fields, this trend is likely to continue to strengthen. For commuting, especially in terms of travel occurring at or near the same time using the same facilities, this is a very good trend.

## **II. Modes of Travel**

### **Fixed Guideway Transit**

#### Light Rail Transit

There are seven Light Rail stations in the County. They are located at Nursery Road, North Linthicum, Linthicum, the BWI Business District, the BWI Thurgood Marshall Airport, Ferndale and Cromwell Station/ Glen Burnie. About 21,400 unlinked weekday trips are taken on the entire system that consists of thirty-three stations and extends to Hunt Valley in Baltimore County.



Maryland Rail Commuter System (MARC)



Anne Arundel County has four MARC Commuter Rail Stations. They are located at BWI, Odenton, Jessup and Savage. They account for a total of approximately 3,700 boardings per day with the Odenton Station accounting for over half the boardings (2,100) followed closely by BWI (1,300). The predominant travel pattern for commuters is from Anne Arundel County south to the Washington region.

**Bus Transit**

Maryland Transit Administration

The MTA provides three commuter bus routes in Anne Arundel County that provide service between the County and the Washington region. They are the 921, 922 and 950. The three routes account for almost 2,400 passenger trips per day. The State also provides service to the County with the MTA 14 and MTA 17 bus routes. The MTA 14 bus route services the MD 2 corridor from the Patapsco Avenue Light Rail Station to the Anne Arundel Community College. The MTA 17 bus route services both the BWI Business District and the Arundel Mills Complex.

**MTA Fixed Route Bus**



**Contract Commuter Bus**



Corridor Transportation Corporation (CTC) Connect A Ride and SCOTS Services

The CTC provides transit service for the County to Laurel, Jessup/ Maryland City, Arundel Mills, Odenton, Glen Burnie, Pioneer City and Seven Oaks. It has recently taken over the service from the City of Annapolis south along MD 2 to Edgewater, South River Colony, Shadyside and Deale. CTC carries about 1.5 million annual passenger trips. The cost of operating the B, F, J and K routes is borne through a combination of Federal, State and County grants, plus revenue from the sale of passenger tickets. Routes operated by CTC under its Connect-A-Ride services link the County to Prince George’s, Montgomery and Howard Counties. Since the capital assets of transit (garages and vehicles) are not owned by the County, the cost of operating the routes is increasing by the cost of depreciation of the



**CTC Bus**

assets owned by CTC's operator. These cost increases do not reflect the increased cost of motor fuel, insurance and labor costs which combine to about 80 percent of the hourly cost to provide transit service.

### Annapolis Transit

Annapolis Transit (AT) services the greater Annapolis area (including Arnold and Edgewater) as well as the BWI Thurgood Marshall International Airport. The system consists of three shuttle routes and a fixed route system that is composed of eleven routes. In total they carry over 1.3 million annual passenger trips. Recently, the City of Annapolis was notified by the Federal Transit Administration of the loss of operating subsidy funds previously available because of its



status as a small, urbanized area. Census statistics and definitions used by the US Department of Transportation have changed, causing the City of Annapolis to lose those funds. AT funding comes from various Federal, State and local sources as well as an operating subsidy grant provided by the County. The loss of a substantial portion of the operating funds will probably impact the extent of service provided by AT going forward in time.

**Annapolis Transit Bus**

### **Rideshare Car and Van Pooling**

With more than 500,000 citizens and 12,800 employers, Anne Arundel County has one of the state's largest work forces. The County is experiencing a constant increase in travel demand that can lead to congestion of the highway network and even the transit network if the demand is not managed. This can be attributed not only to an estimated 112,000 county residents who commute outside of Anne Arundel County for work, but also the 144,000 in-county commuters coupled with an influx of 82,000 commuters from neighboring jurisdictions.

Unlike many jurisdictions in the State, Anne Arundel County uses two private concerns to administer and promote rideshare, car and van pool opportunities within the County. These agencies are affiliated with business and chamber of commerce organizations and are uniquely positioned to promote other forms of mobility among the membership base that includes all of the largest employers in the County.

The Annapolis Regional Transportation Management Association (ARTMA), in cooperation with Anne Arundel County (AAC) and the Maryland Transit Administration (MTA), manages a comprehensive ridesharing program for the residents of Anne Arundel County. The mission is to promote transportation options and transit expansion throughout Anne Arundel County by increasing mobility, thus reducing traffic congestion, as well as improving air quality. The service areas include Annapolis, Parole, Odenton, Severna Park, Crofton, Crownsville and the entire region of the County south of Annapolis.

In order to meet the demands for commuter transportation programs and services due to the increasing residential and commercial development in the County, both ARTMA and Anne Arundel County work in unison in an attempt to secure increased shares of Congestion Mitigation and Air Quality Program (CMAQ) funding.

Another portion of the County's CMAQ funds is allocated to the Baltimore Washington International Business Partnership (BWIP). This organization promotes ridesharing, car pooling, and point-to-point van service in and around BWI-Thurgood Marshall Airport.

## **Airports**

### BWI Thurgood Marshall Airport

BWI is located in Linthicum, approximately 10 miles south of Baltimore and 30 miles north of Washington. The airport is owned by the State and operated by the Maryland Aviation Administration (MAA). It is the largest airport in the State and serves the general public carrying over 21 million passengers in 2007. It has four runways, the longest being approximately 10,500 feet and has 79 based general aviation aircraft. Southwest Airlines is the airport's largest carrier, accounting for over 50% of passengers using the airport in 2007. Its central location between Baltimore and Washington and proximity to Fort Meade and NSA have helped make it one of the biggest economic engines in Maryland, serving the federal government, technical and hospitality industries.



**BWI Terminal Road Improvements**

### Tipton Airport

Transferred by Fort Meade to the County as a result of an earlier BRAC recommendation, Tipton Airport opened in 1999 and is located just south of Ft. George G. Meade. The Tipton Airport Authority operates the facility and is appointed by the County Executive. The airport primarily serves the general aviation community with its one 3,000 foot X 75 foot runway. Over one hundred aircraft are based at the facility that has an average of approximately 150 aircraft operations a day. The airport has a signed environmental assessment permitting it to extend its runway to 4,000 feet, thus permitting operations by larger turboprop aircraft, but not commercial jet aircraft. Also included in the Environmental Assessment/Finding of No Significant Impact is permission to construct more hangar space.





### Lee Airport

Lee Airport is a privately owned general aviation airport located on MD 2 south of Annapolis. It has a 2,500 X 48 foot runway. Nearly 100 aircraft are based at the facility that averages about 90 operations a day.



### **Pedestrian and Bicycle Network**

In 2003, the County Council adopted the *Anne Arundel County Pedestrian and Bicycle Master Plan* (Bill 2-03, March 24, 2003). The Plan acknowledges that over 40 percent of person-trips are less than 2 miles. By developing a network of pedestrian and bicycle facilities, other options for travel become possible. The Plan identified economic benefits, transportation benefits, environmental benefits, recreation/health benefits and quality of life benefits. The Plan recommended integrating bicycle/pedestrian facilities into the roadway design process, enhancing the existing trails network, integrating pedestrian/bicycle facilities into the development review process, promoting bicycle safety through education of both adults and children and creating an organizational structure to implement bicycle and pedestrian programs and projects. The Plan also serves to further the relationship among other plans such as the Greenways Master Plan, the adopted Small Area Plans, the City of Annapolis Take-A-Step Map, the Maryland Statewide Greenway Atlas and the Maryland Statewide Bicycle and Pedestrian Plan.

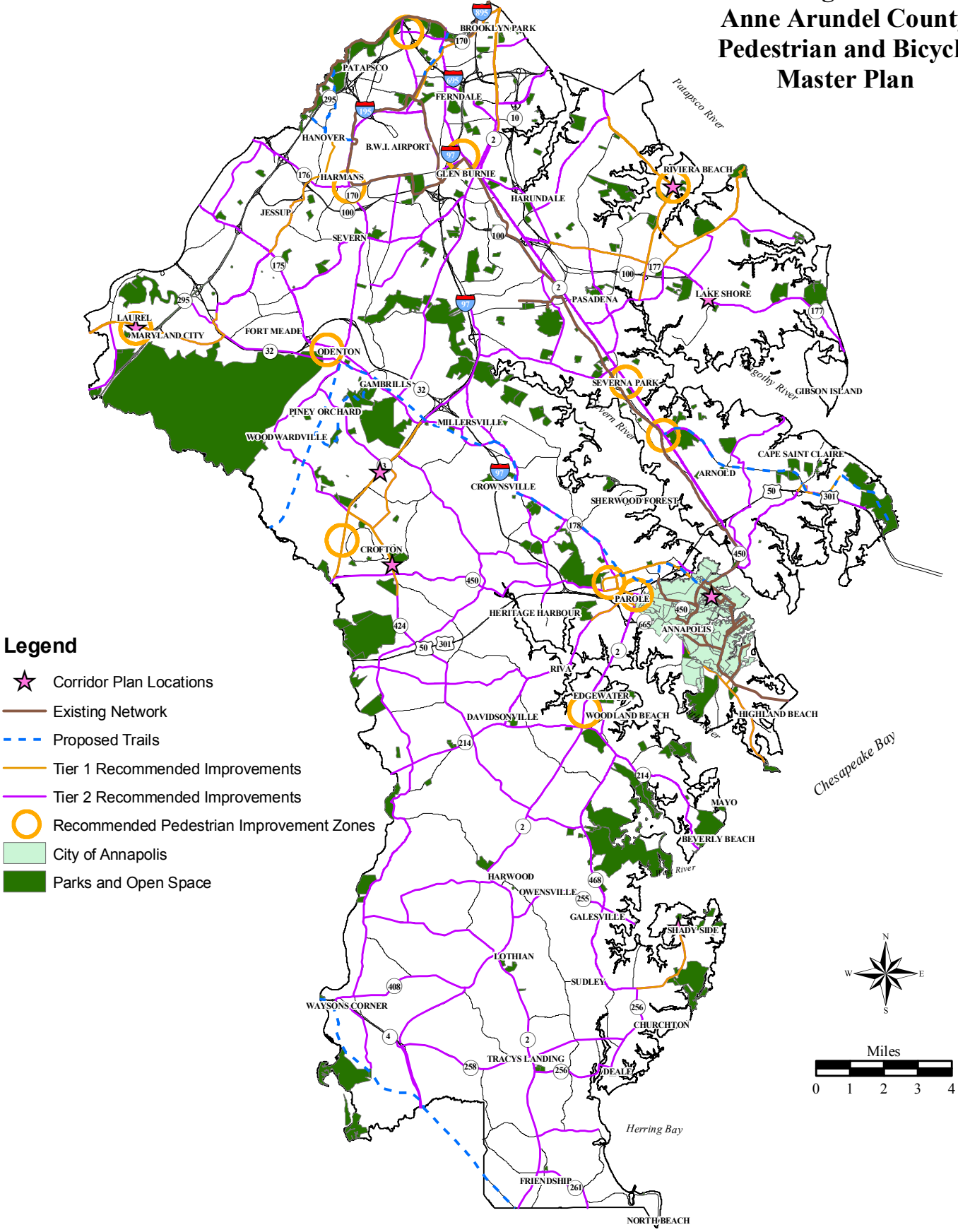
While several of these recommendations are ongoing through capital projects and development proposal reviews, the identification of a single source agency for program, project and plan implementation has not occurred.

The Plan identifies corridors for pedestrian/bicycle facility location and areas where pedestrian activity should be supported through the construction of necessary facilities such as sidewalks, street lighting, pedestrian ramps and crosswalks, etc. The Office of Planning and Zoning, through its Transportation Facilities Planning program (included in the Capital Improvements Program) is conducting design studies to identify pedestrian/bicycle facilities along the most important (Tier I) corridors and within the Pedestrian Activity Centers. A map displaying the Plan's recommendations is included as Figure 1.

Current bicycling conditions reflect approximately 30 miles of existing multi-use trails including Baltimore and Annapolis Trail, BWI Trail Park, Chesapeake Beach Rail Trail, South Shore Trail, Poplar Trail, and Annapolis Colonial Maritime Trail. The West County WB&A Trail is adding segments. However, opportunities for on-road bicycling are at best, poor, due to lack of striped lanes, designated bicycle routes, funding, rights-of-way and logical connections between desired origins and destinations. In addition, poor terrain, topography and street and draining infrastructure conditions, high-speed traffic flow, and scenic and historic road designations limit opportunities.

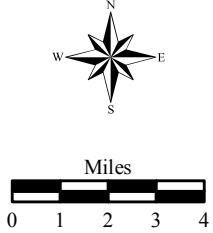
Current pedestrian conditions reflect inconsistent treatment of facility needs across the County. Small Area Plans and other opportunities to collect input from pedestrians have indicated that there are a lack of pedestrian links between neighborhood and other activity centers, of sidewalks

**Figure 1**  
**Anne Arundel County**  
**Pedestrian and Bicycle**  
**Master Plan**



**Legend**

- ★ Corridor Plan Locations
- Existing Network
- - - Proposed Trails
- Tier 1 Recommended Improvements
- Tier 2 Recommended Improvements
- Recommended Pedestrian Improvement Zones
- City of Annapolis
- Parks and Open Space



and street furniture/landscaping and other pedestrian amenities along public roads, and of crosswalks, signs and pedestrian signals at intersections.

### **Highway Network**

The transportation goal of the GDP emphasizes the need to sustain existing and future mobility, and to provide appropriate access for Anne Arundel County residents and those who work in the County. The complementary networks of roads, rail and bus transit, and trail facilities for pedestrians and bikers that make up the county's transportation system interact differently. The primary mode of travel used by residents and businesses in the County is the automobile. Therefore, the highway network is the predominant travel purveyor and will continue in that role well into the anticipated span of the 2008 GDP.



Anne Arundel County is a suburban jurisdiction with auto-oriented activity centers, an abundance of free and surface parking and high automobile ownership. There are more than 500,000 vehicles registered in Anne Arundel County and they are driven on approximately 4,850 lane miles of roads that are maintained by the National Park Service, the Maryland State Highway Administration (SHA), the City of Annapolis, the Maryland Transportation Authority (MdTA), and the Anne Arundel County Department of Public Works (AADPW).

### Highway Network County and State Transportation Projects

Transportation projects planned, designed and constructed within the County typically are provided by land developers through a permit process, as a capital project by the AADPW, or as a project by the SHA. Some of these projects propose long-range transportation improvements for existing roadways and may involve new transportation and transit routes. The AADPW maintains a list of projects and their current status on their website. The SHA, the MdTA and the Maryland Transit Administration (MTA) maintain a list of major projects on the Maryland Department of Transportation (MDOT) website. The status of several projects is noted in Table 7 in Section III of this report.

### Functional Classification Map

The Functional Classification Map identifies current and future highway and transit proposals throughout the County. The map also identifies roadways by their functional classification, which is the grouping of highways, roads and streets by the character of service they provide. These classifications reflect the utility of the various facilities and should determine the design of the roadway. In Anne Arundel County, roadway facilities are classified as Freeways, Principal Arterials, Minor Arterials, Collectors and Local Roadways.

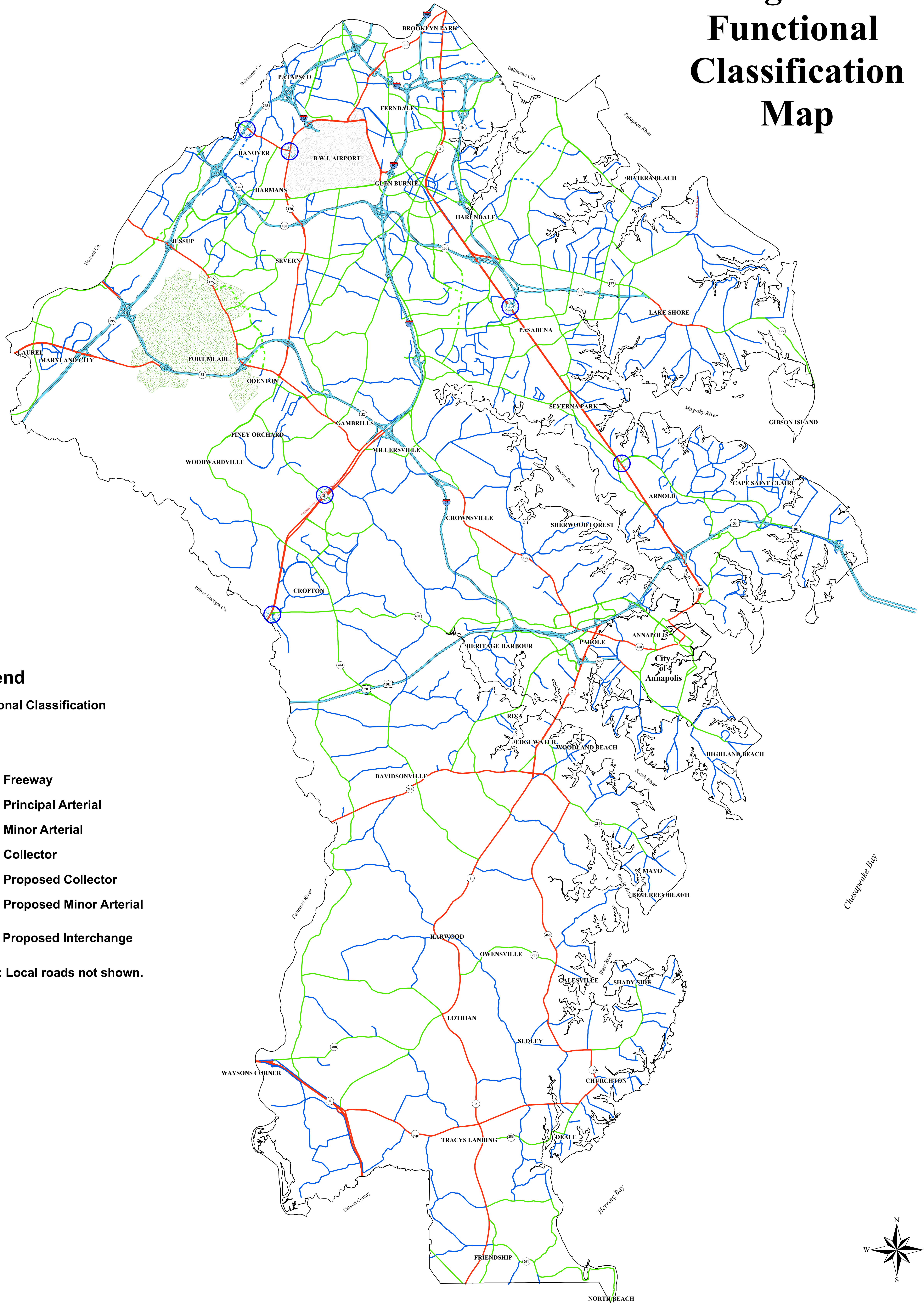
All roads serve the dual functions of providing mobility and access. Mobility and access are inversely related as more mobility (measured in speed and capacity) means less access (measured in numbers of driveways and intersections over a distance). Arterials are primarily for moving vehicles from one place to another. They may still provide access to some adjacent lands, but accesses should be kept to a minimum in order to maintain a high level of service in

terms of mobility. Local roads, on the other end of the scale, are primarily oriented toward providing access to adjacent land. While they do serve to provide some degree of mobility from one location to another, they are not generally designed to process the volume and speed of traffic one would expect to find on a principal arterial.

- **Freeway**  
Freeways are high speed, multi-lane facilities with a high degree of access control. These facilities provide for efficient and uninterrupted travel over long distances serving interstate and commuter needs. They should provide a high level of traffic service for travelers making longer distance trips at high speeds. Freeways provide no direct access to abutting properties.
- **Principal Arterial**  
Principal Arterials serve the needs of through traffic for moderately long trips. They serve the major activity centers in the County and major portions of the trips entering or leaving urban areas. Principal Arterials are the primary travel route for commercial, commuter and recreational travel in rural areas. They also provide secondary linkages between large urban centers and suburban population/employment centers. Access may be controlled through medians or by the limitation of curb cuts through the orientation of access for new developments. Typically, they intersect minor arterials, collector or major activity locations.
- **Minor Arterial**  
Minor Arterials connect higher functional class facilities, activity centers, regions of the area, and major county roads. Traffic is composed predominantly of trips across and within regions of the city. They provide service to traffic at a somewhat lower level of travel mobility than principal arterials with minimal control of access to abutting commercial, industrial and residential properties. Direct access to individual properties and neighborhoods is discouraged.
- **Collectors**  
Collectors provide traffic circulation within neighborhoods, commercial and industrial areas. These roads collect traffic from local streets in neighborhoods and channel it into the arterial system. Connections between arterials should be indirect or should not be allowed in order to discourage use by traffic from outside the neighborhood.
- **Local Roads**  
Local roads are designed specifically to have high accessibility to abutting land and access to the higher classification facilities. They offer the lowest level of mobility and service to through traffic usually is deliberately discouraged.

The Functional Classification Map is shown in Figure 2 and reflects the assumed classification of roadway links in the major highway network and changes since the adoption of the 1997 Functional Classification Map. Appendix A lists the Road Functional Classifications for all road segments on the Functional Classification Map.

# Figure 2 Functional Classification Map

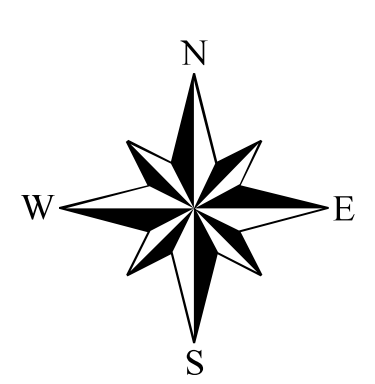


## Legend

### Functional Classification

- Freeway
- Principal Arterial
- Minor Arterial
- Collector
- - - Proposed Collector
- - - Proposed Minor Arterial
- Proposed Interchange

NOTE: Local roads not shown.



## Level of Service

Roadway networks are evaluated by comparing the traffic volumes along each facility to the facility's capacity. Roadway capacity is defined as the ability to accommodate traffic. Service flow volume is the level of traffic flow (vehicles per day) that can be accommodated at various levels of service. On roads other than freeways, Levels of Service (LOS) are determined by measuring or calculating the average delay time for vehicles traveling along a roadway or through intersections. Delay can be caused by a variety of conditions, such as traffic control devices (stop signs and traffic signals), yielding to opposing through traffic, parking maneuvers adjacent to travel lanes and, at times, high volumes of traffic. Short delays are indicative of very good travel conditions, while very long delays generally reflect conditions considered to be unacceptable to most drivers. In the peak demand times, traditionally more delay occurs. As the daily service volume increases the duration of the peak demand period also increases.

The Level of Service Map identifies the level of service along the roadway network in Anne Arundel County as a qualitative description of roadway operations ranging from LOS A (free flow conditions) to LOS F (completely jammed conditions). In urbanized areas such as northern and eastern portions of the County, signal density (number of signals per center line mile of highway) dictates travel flow and delay. Typically signal density of less than one per two-mile segment frames the amount of delay. In less urban areas, where the roadways are controlled by devices (typically STOP and YIELD signs) on the minor street approach, these and the geometry of the roadway (lane width, available shoulder width, terrain and topography) are the features which dictate the capacity of the road.

Levels of Service A, B, C and D are generally representative of delay times acceptable to most drivers under typical travel conditions. Levels of Service E and F reflect the higher delay time ranges and can be regarded as approximations of the limits of acceptable delay, especially if found to occur over long periods of time. Once capacity is reached along a roadway or at an intersection and travel demand continues to increase the duration of the congestion (length of time when the intersection or location operates at an unacceptable level of service) lengthens. This occurrence is typical in more urbanized areas and less tolerable in suburbanized areas.

**Highway Level of Service A**

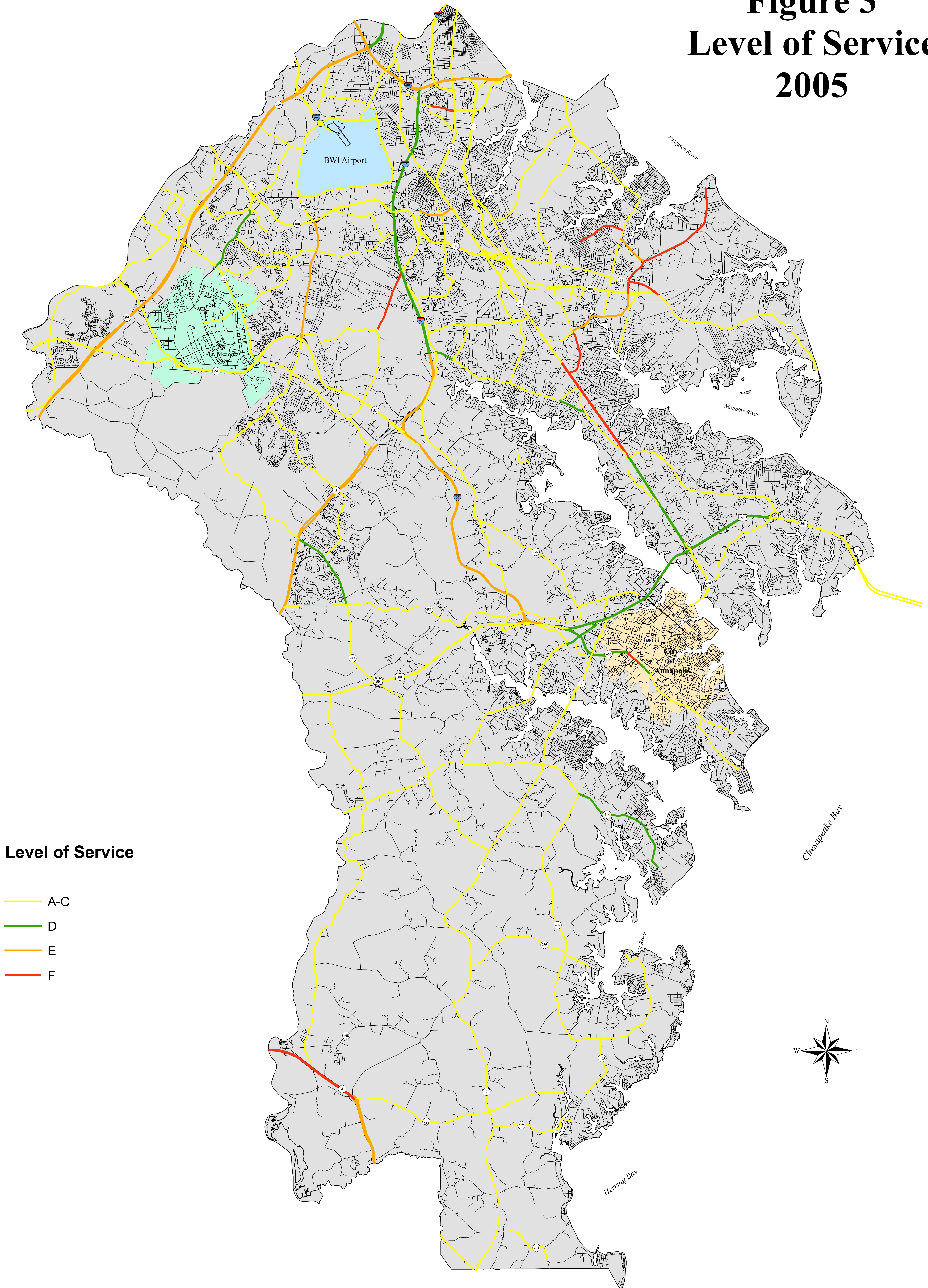


**Highway Level of Service E**



A Level of Service Map (Figure 3) and Table (Table 4) are provided based on observed travel demand for 2005 and network capacities during that year.

# Figure 3 Level of Service 2005



**Table 4**  
**Anne Arundel County**  
**2005 Travel Volumes**  
**Daily Levels of Service**

| HIGHWAY NAME                   | ROAD NUM | LOCATION                          |                                   | 2005 Marked Lanes | 2005 Level Of Service |
|--------------------------------|----------|-----------------------------------|-----------------------------------|-------------------|-----------------------|
|                                |          | FROM                              | TO                                |                   |                       |
|                                | I-195    | Baltimore County Line             | BW Parkway                        | 4                 | LOS C or better       |
|                                | I-195    | BW Parkway                        | MD 170                            | 5                 | LOS C or better       |
|                                | I-195    | MD 170 East                       | Terminus                          | 4                 | LOS C or better       |
|                                | I-695    | AA/ Baltimore County Line         | AA County/ City of Baltimore Line | 6                 | E                     |
|                                | I-895    | MD 2                              | AA County/ City of Baltimore Line | 4                 | LOS C or better       |
|                                | I-97     | MD 695                            | MD 176                            | 6                 | D                     |
|                                | I-97     | MD 176                            | MD 178                            | 6                 | D                     |
|                                | I-97     | MD 178                            | US 50                             | 4                 | E                     |
| Admiral Cochrane Drive         |          | Riva Road                         | MD 2                              | 4                 | LOS C or better       |
| Andover Road                   |          | W Nursery Road                    | MD 162                            | 2                 | LOS C or better       |
| Annapolis Road                 | MD 175   | MD 3                              | MD 170                            | 2                 | LOS C or better       |
| Annapolis Road                 | MD 175   | MD 170                            | MD 32                             | 4                 | LOS C or better       |
| Annapolis Road                 | MD 175   | MD 32                             | MD 295                            | 2                 | LOS C or better       |
| Aquahard Road                  |          | Crain Highway                     | MD2                               | 2                 | E                     |
| Aris T. Allen                  | MD 665   | US 50                             | Forest Drive                      | 4                 | D                     |
| Arundel Expressway             | MD 10    | I-695                             | Mountain Road                     | 6                 | LOS C or better       |
| Arundel Expressway             | MD 10    | Mountain Road                     | MD 100/ MD 2                      | 4                 | LOS C or better       |
| Arundel Mills Boulevard        |          | MD 295                            | MD 100                            | 6                 | LOS C or better       |
| Arundel on the Bay             |          | Bay Ridge Road                    | Cedar Ave                         | 2                 | LOS C or better       |
| Aviation Boulevard             | MD 162   | MD 176                            | MD 170                            | 4                 | LOS C or better       |
| Aviation Boulevard             | MD 170   | MD 162 West                       | I-195                             | 4                 | LOS C or better       |
| Aviation Boulevard             | MD 170   | I-195                             | Stoney Run Road                   | 4                 | LOS C or better       |
| Aviation Boulevard             | MD 170   | Stoney Run Road                   | MD 176                            | 4                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | MD 177                            | Magothy Bridge Road               | 2                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | Magothy Bridge Road               | MD 2                              | 2                 | F                     |
| Baltimore Annapolis Boulevard  | MD 648   | MD 2                              | College Parkway                   | 2                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | College Parkway                   | MD 2                              | 2                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | MD 177                            | MD 2                              | 4                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | MD 2                              | I-97                              | 4                 | LOS C or better       |
| Baltimore Annapolis Boulevard  | MD 648   | I-97                              | Baltimore County Line             | 4                 | LOS C or better       |
| Baltimore Washington Parkway   | MD 295   | Prince George's County Line       | Arundel Mills Interchange         | 4                 | E                     |
| Baltimore Washington Parkway   | MD 295   | Arundel Mills Interchange         | I-695                             | 4                 | E                     |
| Baltimore Washington Parkway   | MD 295   | I-695                             | Baltimore County Line             | 4                 | D                     |
| Bay Front Road                 | MD 258   | MD 4                              | Mc Kendree Road                   | 2                 | LOS C or better       |
| Bay Front Road                 | MD 258   | Mc Kendree Road                   | MD 2                              | 2                 | LOS C or better       |
| Bay Front Road                 | MD 258   | MD 2                              | MD 256                            | 2                 | LOS C or better       |
| Bay Ridge Road                 | MD 258   | Forest Drive/ Bay Ridge Ave       | Farragut Road                     | 2                 | LOS C or better       |
| Benfield Boulevard             |          | Veterans Highway                  | Benfield Road                     | 2                 | D                     |
| Benfield Road                  |          | Veterans Highway                  | Robinson Road                     | 4                 | LOS C or better       |
| Bestgate Road                  |          | MD 178                            | MD 50                             | 4                 | LOS C or better       |
| Birdsville Rd                  |          | MD 2                              | MD 214                            | 2                 | LOS C or better       |
| Brock Bridge Road              |          | South County Line                 | MD 175                            | 2                 | LOS C or better       |
| Camp Meade Road                | MD 170   | MD 162 North                      | Baltimore County Line             | 2                 | LOS C or better       |
| Cape Saint Clair Road          |          | College Parkway                   | US 50                             | 2                 | LOS C or better       |
| Central Avenue                 | MD 214   | MD 468                            | Camp Letts Road                   | 2                 | D                     |
| Central Avenue                 | MD 214   | MD 301                            | MD 424                            | 2                 | LOS C or better       |
| Central Avenue                 | MD 214   | MD 2                              | MD 468                            | 4                 | LOS C or better       |
| Central Avenue                 | MD 214   | MD 424                            | MD 2                              | 2                 | LOS C or better       |
| Chesapeake Beach Road          | MD 260   | AA County Line near Sansbury Road | MD 2                              | 2                 | LOS C or better       |
| College Parkway                |          | MD 2                              | Jones Station Road                | 4                 | LOS C or better       |
| College Parkway                |          | Jones Station Road                | Cape St Clair Road                | 2                 | LOS C or better       |
| Conway Road                    |          | MD 3                              | Patuxent Road                     | 2                 | LOS C or better       |
| Crownsville Road               |          | MD 450                            | MD 178                            | 2                 | LOS C or better       |
| Davidsonville Road             | MD 424   | MD 214                            | MD 450                            | 2                 | LOS C or better       |
| Davidsonville Road             | MD 424   | MD 450                            | MD 3                              | 2                 | D                     |
| Deale Churchton Road           | MD 256   | MD 258                            | MD 468                            | 2                 | LOS C or better       |
| Defense Highway                | MD 450   | MD 3                              | MD 424                            | 2                 | LOS C or better       |
| Defense Highway                | MD 450   | MD 424                            | Crownsville Road                  | 2                 | LOS C or better       |
| Defense Highway                | MD 450   | Crownsville Road                  | Annapolis City Line               | 4                 | LOS C or better       |
| Disney Road                    |          | MD 175                            | MD 174                            | 2                 | LOS C or better       |
| Donaldson Ave/ Quarterfield    |          | MD 174                            | I-97                              | 4                 | LOS C or better       |
| Dorsey Road                    | MD 176   | MD 170                            | MD 162                            | 4                 | LOS C or better       |
| Duvall Highway                 |          | Edwin Raynor Boulevard            | Catherine Ave                     | 2                 | F                     |
| East West Boulevard            |          | Veterans Highway                  | MD 2                              | 2                 | LOS C or better       |
| Edwin Raynor Boulevard         |          | MD 173                            | MD 177                            | 2                 | LOS C or better       |
| Edwin Raynor Boulevard         |          | MD 100                            | Magothy Bridge Road               | 2                 | LOS C or better       |
| Evergreen Road                 |          | Benfield Road                     | MD 648                            | 2                 | D                     |
| Forest Dr                      |          | Hilltop Drive                     | Spa Road                          | 4                 | D                     |
| Forest Dr                      |          | Spa Road                          | Bay Ridge Ave                     | 4                 | LOS C or better       |
| Forest Dr                      |          | MD 665                            | Hilltop Drive                     | 4                 | F                     |
| Fort Smallwood Road            | MD 173   | Baltimore County Line             | Edwin Raynor Boulevard            | 4                 | LOS C or better       |
| Fort Smallwood Road            | MD 173   | Edwin Raynor Boulevard            | MD 607 (Hog Neck Road)            | 2                 | E                     |
| Fort Smallwood Road            | MD 173   | MD 607                            | West Drive                        | 2                 | F                     |
| Friendship Road                | MD 261   | MD 778 (Old Solomons Island)      | Boyds Turn Road                   | 2                 | LOS C or better       |
| Furnace Branch Road            | MD 270   | MD 648                            | MD 2                              | 4                 | LOS C or better       |
| Galesville Rd                  | MD 255   | MD 468                            | Terminus                          | 2                 | LOS C or better       |
| Gambrells Road                 |          | MD 175                            | New Cut Road                      | 2                 | LOS C or better       |
| Generals Highway               | MD 178   | Veterans Highway                  | Exit 5 Off Ramp                   | 4                 | LOS C or better       |
| Generals Highway               | MD 178   | Exit 5 Off Ramp                   | Crownsville Road                  | 4                 | LOS C or better       |
| Generals Highway               | MD 178   | Crownsville Road                  | Bestgate Road                     | 4                 | LOS C or better       |
| Generals Highway               | MD 178   | Bestgate Road                     | MD 450                            | 4                 | LOS C or better       |
| Governor Ritchie Highway       | MD 2     | Baltimore County Line             | MD 100                            | 4                 | LOS C or better       |
| Governor Ritchie Highway       | MD 2     | MD 100                            | MD 10                             | 4                 | LOS C or better       |
| Governor Ritchie Highway       | MD 2     | MD 10                             | College Parkway                   | 4                 | F                     |
| Governor Ritchie Highway       | MD 2     | College Parkway                   | US 50                             | 4                 | D                     |
| Governor Ritchie Highway       | MD 450   | US 50                             | MD 2                              | 4                 | LOS C or better       |
| Governor William Stone Parkway |          | Benfield Road                     | East West Boulevard               | 2                 | LOS C or better       |



**Table 4  
Anne Arundel County  
2005 Travel Volumes  
Daily Levels of Service**

| HIGHWAY NAME                    | ROAD NUM | LOCATION                     |                                   | 2005 Marked Lanes | 2005 Level Of Service |
|---------------------------------|----------|------------------------------|-----------------------------------|-------------------|-----------------------|
|                                 |          | FROM                         | TO                                |                   |                       |
| Hanover Road                    |          | MD 295                       | MD 170                            | 2                 | LOS C or better       |
| Harry S Truman Parkway          |          | South Haven Road             | Riva Road                         | 4                 | LOS C or better       |
| Hog Neck Road                   | MD 607   | MD 173                       | MD 177                            | 2                 | F                     |
| Jessup Road                     | MD 175   | BW Parkway                   | Howard County Line                | 2                 | LOS C or better       |
| John Hanson Highway             | US 50    | MD 3                         | MD 665                            | 6                 | LOS C or better       |
| John Hanson Highway             | US 50    | MD 665                       | MD 179                            | 6                 | D                     |
| Jumpers Hole Road               |          | Benfield Road                | Elvaton Road                      | 2                 | LOS C or better       |
| Jumpers Hole Road               |          | Elvaton Road                 | MD 2                              | 4                 | LOS C or better       |
| Jumpers Hole Road               |          | MD 2                         | MD 177                            | 2                 | LOS C or better       |
| Laurel Fort Meade Road          | MD 198   | MD 32                        | MD 295                            | 4                 | LOS C or better       |
| Laurel Fort Meade Road          | MD 198   | MD 295                       | Howard County Line                | 6                 | LOS C or better       |
| Magothy Beach Road              |          | MD 177                       | Riverside Dr                      | 2                 | LOS C or better       |
| Magothy Bridge Road             |          | MD 177                       | MD 100                            | 2                 | F                     |
| Magothy Bridge Road             |          | MD 100                       | Edwin Raynor Boulevard            | 2                 | LOS C or better       |
| Magothy Bridge Road             |          | Edwin Raynor Boulevard       | MD 648                            | 2                 | E                     |
| Magothy Bridge Road             |          | MD 648                       | MD 2                              | 2                 | LOS C or better       |
| Marley Neck Boulevard           |          | MD 173                       | Marley Neck Road                  | 4                 | LOS C or better       |
| Marley Neck Boulevard           |          | Marley Neck Road             | MD 2                              | 4                 | LOS C or better       |
| Medical Parkway                 |          | Jennifer Road                | Bestgate Road                     | 4                 | LOS C or better       |
| Montevideo Road                 |          | Howard County Line           | Race Road                         | 2                 | LOS C or better       |
| Mountain Road                   | MD 177   | MD 2                         | MD 10                             | 4                 | LOS C or better       |
| Mountain Road                   | MD 177   | MD 10                        | MD 648                            | 4                 | LOS C or better       |
| Mountain Road                   | MD 177   | MD 648 (B&A Boulevard)       | MD 648 (Sollev Road)              | 4                 | LOS C or better       |
| Mountain Road                   | MD 177   | MD 648                       | MD 607 (Hog Neck Road)            | 2                 | LOS C or better       |
| Mountain Road                   | MD 177   | MD 607                       | MD 100                            | 2                 | F                     |
| Mountain Road                   | MD 177   | MD 100                       | Forest Glen/ Long Point Road      | 3                 | LOS C or better       |
| Mountain Road                   | MD 177   | Forest Glen/ Long Point Road | Dock Road                         | 2                 | LOS C or better       |
| Muddy Creek Road                | MD 468   | MD 214                       | Old Sudley Road                   | 2                 | LOS C or better       |
| Muddy Creek Road                | MD 468   | Old Sudley Road              | Sudley Road                       | 2                 | LOS C or better       |
| Muddy Creek Road                | MD 468   | Sudley Road                  | MD 256                            | 2                 | LOS C or better       |
| Naval Academy Bridge            | MD 450   | MD 2                         | Annapolis City Line               | 2                 | LOS C or better       |
| New Cut Road                    |          | Gambrills Road               | Burns Crossing Road               | 2                 | LOS C or better       |
| New Cut Road                    |          | I-97                         | Gambrills Road                    | 2                 | F                     |
| New Ridge Road                  |          | MD 176                       | Hanover Road                      | 4                 | LOS C or better       |
| Nursery Road West               |          | Elkridge Landing Road        | MD 295                            | 4                 | LOS C or better       |
| Oakwood Road                    |          | MD 100                       | Elvaton Road/ Old Mill Road       | 2                 | LOS C or better       |
| Oakwood Road                    |          | MD 100                       | 5th Avenue SE                     | 2                 | LOS C or better       |
| Old Mill Road                   |          | Elvaton Road                 | Veterans Highway                  | 2                 | LOS C or better       |
| Ordinance Road East             | MD 710   | MD 2                         | AA County/ City of Baltimore Line | 2                 | LOS C or better       |
| Ordinance Road West             |          | Furnace Branch Road          | MD 2                              | 4                 | F                     |
| Owensville Road                 | MD 255   | MD 468                       | MD 2                              | 2                 | LOS C or better       |
| Patuxent Freeway                | MD 32    | Howard County Line           | MD 295                            | 4                 | LOS C or better       |
| Patuxent Freeway                | MD 32    | MD 295                       | MD 175                            | 4                 | LOS C or better       |
| Patuxent Freeway                | MD 32    | MD 175                       | I-97                              | 4                 | LOS C or better       |
| Patuxent River Road             |          | Sands/Harwood Road           | US 50                             | 2                 | LOS C or better       |
| Patuxent Road                   |          | Conway Road                  | Piney Orchard Parkway             | 2                 | LOS C or better       |
| Paul T Pitcher Memorial Highway | MD 100   | MD 10                        | Mountain Road                     | 4                 | LOS C or better       |
| Paul T Pitcher Memorial Highway | MD 100   | Howard County Line           | MD 10                             | 4                 | LOS C or better       |
| Piney Orchard Parkway           |          | Patuxent Road                | Odenton Road                      | 4                 | LOS C or better       |
| Queenstown Road                 |          | MD 652 (Old Telegraph Road)  | MD 174                            | 2                 | LOS C or better       |
| Race Road                       |          | MD 175                       | MD 176                            | 2                 | LOS C or better       |
| Reece Road                      | MD 174   | MD 175                       | MD 170                            | 2                 | LOS C or better       |
| Revell Highway                  | US 50    | MD 179                       | Bay Bridge                        | 6                 | LOS C or better       |
| Ridge Chapel Road               |          | Teague Road                  | Harmans Road                      | 2                 | LOS C or better       |
| Ridge Road                      | MD 713   | MD 175                       | MD 100                            | 2                 | D                     |
| Ridge Road                      |          | MD 713 (Ridge Road)          | Race Road                         | 2                 | LOS C or better       |
| Riedel Rd                       |          | MD 424                       | MD 3                              | 4                 | LOS C or better       |
| Riva Road                       |          | MD 214                       | South River                       | 2                 | LOS C or better       |
| Riva Road                       |          | South River                  | MD 665                            | 4                 | LOS C or better       |
| Riva Road                       |          | MD 665                       | US 50                             | 4                 | D                     |
| Robert Crain Highway            | MD 3     | I-97                         | MD 100                            | 5                 | LOS C or better       |
| Robert Crain Highway            | MD 3     | MD 100                       | Aquahart Road                     | 5                 | LOS C or better       |
| Robert Crain Highway            | MD 3     | MD 175                       | MD 450                            | 6                 | E                     |
| Robinson Road                   |          | Benfield Road                | MD 2                              | 2                 | LOS C or better       |
| Saint Margarets Road            | MD 179   | MD 2                         | US 50                             | 2                 | LOS C or better       |
| Sands Rd                        |          | MD 4                         | Patuxent River/Harwood Road       | 2                 | LOS C or better       |
| Severn Road                     |          | MD 713 (Ridge Road)          | MD 174                            | 2                 | LOS C or better       |
| Shady Side Road                 | MD 468   | MD 256                       | Terminus                          | 2                 | LOS C or better       |
| Sollev Road                     |          | MD 173                       | MD 177                            | 2                 | LOS C or better       |
| Solomons Island Road            | MD 2     | US 50                        | MD 665                            | 6                 | LOS C or better       |
| Solomons Island Road            | MD 2     | MD 665                       | MD 214                            | 6                 | LOS C or better       |
| Solomons Island Road            | MD 2     | MD 214                       | MD 259                            | 2                 | LOS C or better       |
| Solomons Island Road            | MD 2     | MD 259                       | Calvert County Line               | 2                 | LOS C or better       |
| South Haven Road                |          | Harry S Truman Parkway       | MD 450                            | 2                 | LOS C or better       |
| Southern Maryland Boulevard     | MD 4     | Calvert County Line          | MD 259                            | 4                 | E                     |
| Southern Maryland Boulevard     | MD 4     | MD 259                       | MD 408                            | 4                 | F                     |
| Southern Maryland Boulevard     | MD 4     | MD 408                       | PG County Line                    | 4                 | F                     |
| Telegraph Road                  | MD 170   | MD 176                       | MD 100                            | 4                 | LOS C or better       |
| Telegraph Road                  | MD 170   | MD 100                       | MD 32                             | 2                 | E                     |
| Telegraph Road                  | MD 170   | MD 32                        | MD 175                            | 2                 | LOS C or better       |
| Veterans Highway                |          | MD 3                         | Benfield Boulevard                | 4                 | LOS C or better       |
| Veterans Highway                |          | Benfield Boulevard           | MD 178 (Generals Highway)         | 2                 | LOS C or better       |
| Wauqh Chapel Rd                 |          | MD 3                         | Piney Orchard Parkway             | 2                 | LOS C or better       |
| WB&A Road                       |          | Evergreen Avenue             | New Cut Road                      | 2                 | LOS C or better       |
| WB&A Road                       |          | New Cut Road                 | Donaldson Road                    | 2                 | LOS C or better       |
| Wigley Avenue                   |          | Jessup Road                  | Montevideo Road                   | 2                 | LOS C or better       |

### Travel Forecast 2035

Analyses of travel demand model output which contained quantitative data and statistical measures were conducted to provide an understanding of how much traffic will utilize the roadways in Anne Arundel County for the year 2035 based on the County's goals and policies. In order to show the increase in travel demand, the model has been run for 2005 (a calibration year) and for the future year 2035.

Numerical data collected to quantify traffic in Anne Arundel County for the year 2035 came from the Baltimore Region Travel Demand Model. The travel demand model utilized data from 2005 and was validated against present day conditions. Data from the Round 7 cooperative socio-economic forecasts were used to generate the trips in the model and are distributed throughout the region and then assigned to roadway segments. There are more than 19,000 one-way links or roadway segments in the model. Performance measures have been developed to analyze simulation characteristics to show travel demand results.

The travel model consists of over 1,500 transportation analysis zones (TAZ) that contain land use and demographic data (employment, household size, population, income by household, auto ownership, etc.). The universe of this model extends from the Susquehanna River in the north to the Potomac River in the south, from the William Preston Lane Chesapeake Bay Bridge to the east to Carroll County to the west. The forecast change in population, households and employment between 2005 and 2035 is displayed in Table 5 below.

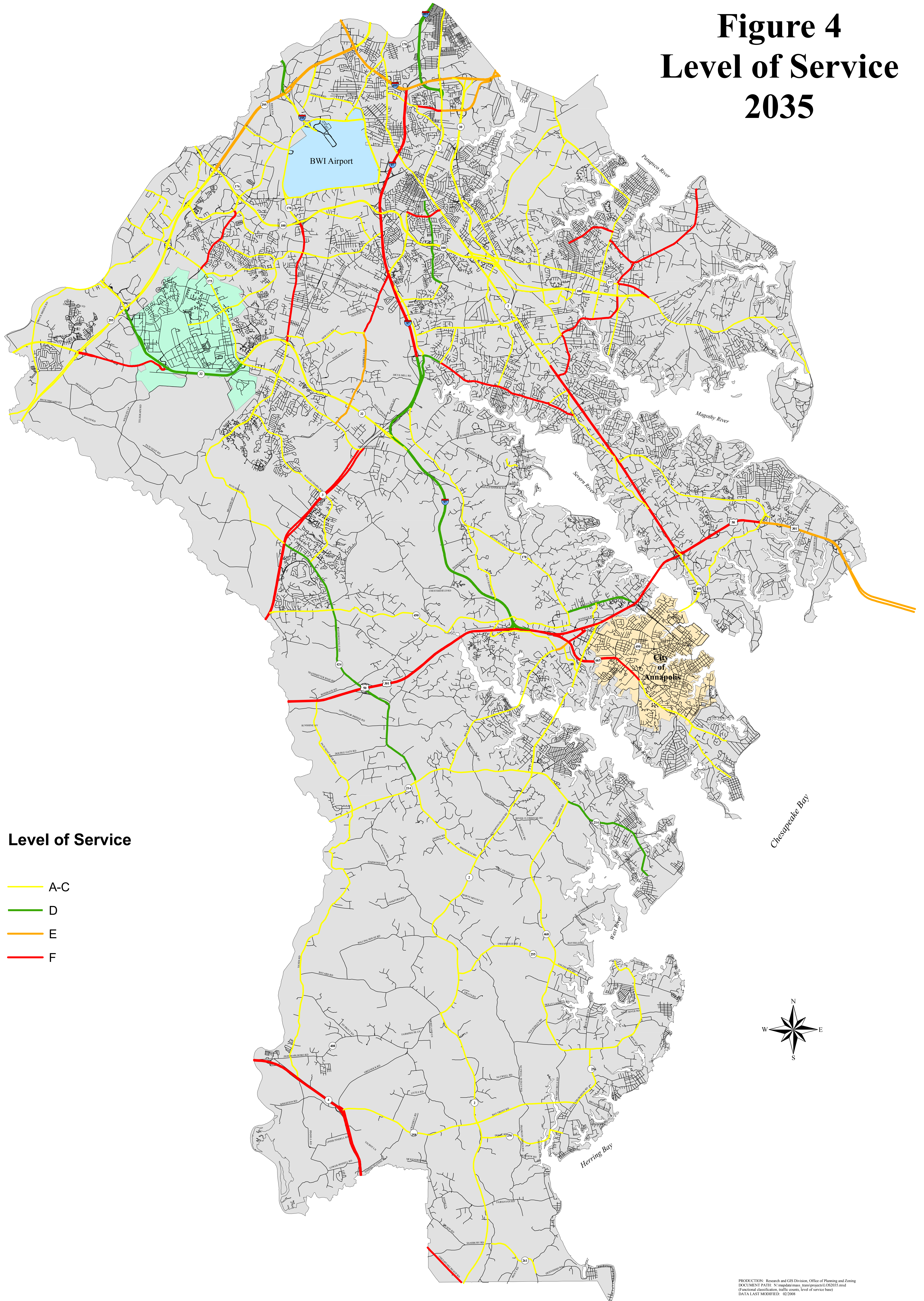
**Table 5. Round 7 Demographic Forecasts 2005 and 2035**

| Year | Population   | Households   | Employment    |
|------|--------------|--------------|---------------|
| 2005 | 513,000      | 192,500      | 318,400       |
| 2035 | 578,100      | 234,000      | 454,400       |
|      | 65,100 (13%) | 41,500 (22%) | 136,000 (43%) |

The implication of substantial increases in employment over the 30 year horizon coupled with a more modest increase in population and households implies that there will be far more jobs than households, leading to either greater amounts of automobile ownership per household or greater dependence upon transit to provide the connection between the home and the job.

Figure 4 and Table 6 present the 2035 Level of Service reflecting the forecast travel demand in that year based on changes in population, employment and the road network.

# Figure 4 Level of Service 2035



**Table 6  
Anne Arundel County  
2035 Travel Volumes  
Daily Levels of Service**

| HIGHWAY NAME                  | ROAD NUM | LOCATION                          |                                   | 2005 Marked Lanes | 2035 Proposed Lanes | 2035 Level Of Service |
|-------------------------------|----------|-----------------------------------|-----------------------------------|-------------------|---------------------|-----------------------|
|                               |          | FROM                              | TO                                |                   |                     |                       |
|                               | I-195    | Baltimore County Line             | BW Parkway                        | 4                 |                     | D                     |
|                               | I-195    | BW Parkway                        | MD 170                            | 5                 |                     | LOS C or better       |
|                               | I-195    | MD 170 East                       | Terminus                          | 4                 |                     | LOS C or better       |
|                               | I-695    | AA/ Baltimore County Line         | AA County/ City of Baltimore Line | 6                 | 8                   | E                     |
|                               | I-895    | MD 2                              | AA County/ City of Baltimore Line | 4                 |                     | D                     |
|                               | I-97     | MD 695                            | MD 176                            | 6                 | 8                   | LOS C or better       |
|                               | I-97     | MD 176                            | MD 178                            | 6                 | 8                   | LOS C or better       |
|                               | I-97     | MD 178                            | US 50                             | 4                 | 6                   | D                     |
| Admiral Cochrane Drive        |          | Riva Road                         | MD 2                              | 4                 |                     | LOS C or better       |
| Andover Road                  |          | W Nursery Road                    | MD 162                            | 2                 |                     | LOS C or better       |
| Annapolis Road                | MD 175   | MD 3                              | MD 170                            | 2                 |                     | LOS C or better       |
| Annapolis Road                | MD 175   | MD 170                            | MD 32                             | 4                 |                     | LOS C or better       |
| Annapolis Road                | MD 175   | MD 32                             | MD 295                            | 2                 |                     | LOS C or better       |
| Aquahard Road                 |          | Crain Highway                     | MD2                               | 2                 |                     | F                     |
| Aris T. Allen                 | MD 665   | US 50                             | Forest Drive                      | 4                 |                     | F                     |
| Arundel Expressway            | MD 10    | I-695                             | Mountain Road                     | 6                 |                     | LOS C or better       |
| Arundel Expressway            | MD 10    | Mountain Road                     | MD 100/ MD 2                      | 4                 |                     | LOS C or better       |
| Arundel Mills Boulevard       |          | MD 295                            | MD 100                            | 6                 |                     | LOS C or better       |
| Arundel on the Bay            |          | Bay Ridge Road                    | Cedar Ave                         | 2                 |                     | LOS C or better       |
| Aviation Boulevard            | MD 162   | MD 176                            | MD 170                            | 4                 |                     | LOS C or better       |
| Aviation Boulevard            | MD 170   | MD 162 West                       | I-195                             | 4                 |                     | LOS C or better       |
| Aviation Boulevard            | MD 170   | I-195                             | Stoney Run Roac                   | 4                 |                     | LOS C or better       |
| Aviation Boulevard            | MD 170   | Stoney Run Roac                   | MD 176                            | 4                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | MD 177                            | Magothy Bridge Road               | 2                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | Magothy Bridge Road               | MD 2                              | 2                 |                     | F                     |
| Baltimore Annapolis Boulevard | MD 648   | MD 2                              | College Parkway                   | 2                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | College Parkway                   | MD 2                              | 2                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | MD 177                            | MD 2                              | 4                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | MD 2                              | I-97                              | 4                 |                     | LOS C or better       |
| Baltimore Annapolis Boulevard | MD 648   | I-97                              | Baltimore County Line             | 4                 |                     | LOS C or better       |
| Baltimore Washington Parkway  | MD 295   | Prince George's County Line       | Arundel Mills Interchange         | 4                 | 6                   | LOS C or better       |
| Baltimore Washington Parkway  | MD 295   | Arundel Mills Interchange         | I-695                             | 4                 | 6                   | E                     |
| Baltimore Washington Parkway  | MD 295   | I-695                             | Baltimore County Line             | 4                 | 6                   | LOS C or better       |
| Bay Front Road                | MD 258   | MD 4                              | Mc Kendree Road                   | 2                 |                     | LOS C or better       |
| Bay Front Road                | MD 258   | Mc Kendree Road                   | MD 2                              | 2                 |                     | LOS C or better       |
| Bay Front Road                | MD 258   | MD 2                              | MD 256                            | 2                 |                     | LOS C or better       |
| Bay Ridge Road                |          | Forest Drive/ Bay Ridge Ave       | Farragut Road                     | 2                 |                     | LOS C or better       |
| Benfield Boulevard            |          | Veterans Highway                  | Benfield Road                     | 2                 |                     | D                     |
| Benfield Road                 |          | Veterans Highway                  | Robinson Road                     | 4                 |                     | LOS C or better       |
| Bestgate Road                 |          | MD 178                            | MD 50                             | 4                 |                     | D                     |
| Birdsville Rd                 |          | MD 2                              | MD 214                            | 2                 |                     | LOS C or better       |
| Brock Bridge Road             |          | South County Line                 | MD 175                            | 2                 |                     | LOS C or better       |
| Camp Meade Road               | MD 170   | MD 162 North                      | Baltimore County Line             | 2                 |                     | LOS C or better       |
| Cape Saint Clair Road         |          | College Parkway                   | US 50                             | 2                 |                     | LOS C or better       |
| Central Avenue                | MD 214   | MD 468                            | Camp Letts Road                   | 2                 |                     | D                     |
| Central Avenue                | MD 214   | MD 301                            | MD 424                            | 2                 |                     | LOS C or better       |
| Central Avenue                | MD 214   | MD 2                              | MD 468                            | 4                 |                     | LOS C or better       |
| Central Avenue                | MD 214   | MD 424                            | MD 2                              | 2                 |                     | LOS C or better       |
| Chesapeake Beach Road         | MD 260   | AA County Line near Sansbury Roac | MD 2                              | 2                 |                     | F                     |
| College Parkway               |          | MD 2                              | Jones Station Road                | 4                 |                     | LOS C or better       |
| College Parkway               |          | Jones Station Roac                | Cape St Clair Road                | 2                 |                     | LOS C or better       |
| Conway Road                   |          | MD 3                              | Patuxent Roac                     | 2                 |                     | LOS C or better       |
| Crownsville Road              |          | MD 450                            | MD 178                            | 2                 |                     | LOS C or better       |
| Davidsonville Road            | MD 424   | MD 214                            | MD 450                            | 2                 |                     | D                     |
| Davidsonville Road            | MD 424   | MD 450                            | MD 3                              | 2                 |                     | D                     |
| Deale Churchton Road          | MD 256   | MD 258                            | MD 468                            | 2                 |                     | LOS C or better       |
| Defense Highway               | MD 450   | MD 3                              | MD 424                            | 2                 |                     | LOS C or better       |
| Defense Highway               | MD 450   | MD 424                            | Crownsville Road                  | 2                 |                     | LOS C or better       |
| Defense Highway               | MD 450   | Crownsville Road                  | Annapolis City Line               | 4                 |                     | LOS C or better       |
| Disney Road                   |          | MD 175                            | MD 174                            | 2                 |                     | LOS C or better       |
| Donaldson Ave/ Quarterfield   |          | MD 174                            | I-97                              | 4                 |                     | LOS C or better       |
| Dorsey Road                   | MD 176   | MD 170                            | MD 162                            | 4                 |                     | LOS C or better       |
| Duvall Highway                |          | Edwin Raynor Boulevard            | Catherine Ave                     | 2                 |                     | F                     |
| East West Boulevard           |          | Veterans Highway                  | MD 2                              | 2                 |                     | LOS C or better       |
| Edwin Raynor Boulevard        |          | MD 173                            | MD 177                            | 2                 |                     | LOS C or better       |
| Edwin Raynor Boulevard        |          | MD 100                            | Magothy Bridge Road               | 2                 |                     | LOS C or better       |
| Evergreen Road                |          | Benfield Road                     | MD 648                            | 2                 |                     | F                     |
| Forest Dr                     |          | Hilltop Drive                     | Spa Road                          | 4                 |                     | F                     |
| Forest Dr                     |          | Spa Road                          | Bay Ridge Ave                     | 4                 |                     | LOS C or better       |
| Forest Dr                     |          | MD 665                            | Hilltop Drive                     | 4                 | 6                   | D                     |
| Fort Smallwood Road           | MD 173   | Baltimore County Line             | Edwin Raynor Boulevard            | 4                 |                     | LOS C or better       |
| Fort Smallwood Road           | MD 173   | Edwin Raynor Boulevard            | MD 607 (Hog Neck Road)            | 2                 |                     | F                     |
| Fort Smallwood Road           | MD 173   | MD 607                            | West Drive                        | 2                 |                     | F                     |
| Friendship Road               | MD 261   | MD 778 (Old Solomons Island)      | Boyd's Turn Road                  | 2                 |                     | LOS C or better       |
| Furnace Branch Road           | MD 270   | MD 648                            | MD 2                              | 4                 |                     | D                     |
| Galesville Rd                 | MD 255   | MD 468                            | Terminus                          | 2                 |                     | LOS C or better       |
| Gambrells Road                |          | MD 175                            | New Cut Road                      | 2                 |                     | E                     |
| Generals Highway              | MD 178   | Veterans Highway                  | Exit 5 Off Ramp                   | 4                 |                     | LOS C or better       |
| Generals Highway              | MD 178   | Exit 5 Off Ramp                   | Crownsville Road                  | 4                 |                     | LOS C or better       |
| Generals Highway              | MD 178   | Crownsville Road                  | Bestgate Road                     | 4                 |                     | LOS C or better       |
| Generals Highway              | MD 178   | Bestgate Road                     | MD 450                            | 4                 |                     | LOS C or better       |
| Governor Ritchie Highway      | MD 2     | Baltimore County Line             | MD 100                            | 4                 |                     | LOS C or better       |
| Governor Ritchie Highway      | MD 2     | MD 100                            | MD 10                             | 4                 |                     | LOS C or better       |
| Governor Ritchie Highway      | MD 2     | MD 10                             | College Parkway                   | 4                 | 6                   | E                     |
| Governor Ritchie Highway      | MD 2     | College Parkway                   | US 50                             | 4                 | 6                   | D                     |
| Governor Ritchie Highway      | MD 450   | US 50                             | MD 2                              | 4                 |                     | LOS C or better       |

**Table 6**  
**Anne Arundel County**  
**2035 Travel Volumes**  
**Daily Levels of Service**

| HIGHWAY NAME                    | ROAD NUM | LOCATION                     |                                  | 2005<br>Marked<br>Lanes | 2035<br>Proposed<br>Lanes | 2035 Level Of<br>Service |
|---------------------------------|----------|------------------------------|----------------------------------|-------------------------|---------------------------|--------------------------|
|                                 |          | FROM                         | TO                               |                         |                           |                          |
| Governor William Stone Parkway  |          | Benfield Road                | East West Boulevard              | 2                       |                           | LOS C or better          |
| Hanover Road                    |          | MD 295                       | MD 170                           | 2                       | 4                         | LOS C or better          |
| Harry S Truman Parkway          |          | South Haven Road             | Riva Road                        | 4                       |                           | LOS C or better          |
| Hog Neck Road                   | MD 607   | MD 173                       | MD 177                           | 2                       | 4                         | LOS C or better          |
| Jessup Road                     | MD 175   | BW Parkway                   | Howard County Line               | 2                       | 4                         | LOS C or better          |
| John Hanson Highway             | US 50    | MD 3                         | MD 665                           | 6                       |                           | E                        |
| John Hanson Highway             | US 50    | MD 665                       | MD 179                           | 6                       | 8                         | D                        |
| Jumpers Hole Road               |          | Benfield Road                | Elvaton Road                     | 2                       |                           | LOS C or better          |
| Jumpers Hole Road               |          | Elvaton Road                 | MD 2                             | 4                       |                           | LOS C or better          |
| Jumpers Hole Road               |          | MD 2                         | MD 177                           | 2                       |                           | LOS C or better          |
| Laurel Fort Meade Road          | MD 198   | MD 32                        | MD 295                           | 4                       |                           | F                        |
| Laurel Fort Meade Road          | MD 198   | MD 295                       | Howard County Line               | 6                       |                           | LOS C or better          |
| Magothy Beach Roac              |          | MD 177                       | Riverside Dr                     | 2                       |                           | LOS C or better          |
| Magothy Bridge Road             |          | MD 177                       | MD 100                           | 2                       | 4                         | LOS C or better          |
| Magothy Bridge Road             |          | MD 100                       | Edwin Raynor Boulevard           | 2                       |                           | LOS C or better          |
| Magothy Bridge Road             |          | Edwin Raynor Boulevard       | MD 648                           | 2                       |                           | F                        |
| Magothy Bridge Road             |          | MD 648                       | MD 2                             | 2                       |                           | LOS C or better          |
| Marley Neck Boulevard           |          | MD 173                       | Marley Neck Road                 | 4                       |                           | LOS C or better          |
| Marley Neck Boulevard           |          | Marley Neck Road             | MD 2                             | 4                       |                           | LOS C or better          |
| Medical Parkway                 |          | Jennifer Road                | Bestgate Road                    | 4                       |                           | LOS C or better          |
| Montevideo Road                 |          | Howard County Line           | Race Road                        | 2                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | MD 2                         | MD 10                            | 4                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | MD 10                        | MD 648                           | 4                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | MD 648 (B&A Boulevard)       | MD 648 (Solley Road)             | 4                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | MD 648                       | MD 607 (Hog Neck Road)           | 2                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | MD 607                       | MD 100                           | 2                       |                           | F                        |
| Mountain Road                   | MD 177   | MD 100                       | Forest Glen/ Long Point Roac     | 3                       |                           | LOS C or better          |
| Mountain Road                   | MD 177   | Forest Glen/ Long Point Roac | Dock Road                        | 2                       |                           | LOS C or better          |
| Muddy Creek Road                | MD 468   | MD 214                       | Old Sudley Road                  | 2                       |                           | LOS C or better          |
| Muddy Creek Road                | MD 468   | Old Sudley Road              | Sudley Road                      | 2                       |                           | LOS C or better          |
| Muddy Creek Road                | MD 468   | Sudley Road                  | MD 256                           | 2                       |                           | LOS C or better          |
| Naval Academy Bridge            | MD 450   | MD 2                         | Annapolis City Line              | 2                       |                           | LOS C or better          |
| New Cut Road                    |          | Gambrills Road               | Burns Crossing Road              | 2                       |                           | LOS C or better          |
| New Cut Road                    |          | I-97                         | Gambrills Road                   | 2                       |                           | F                        |
| New Ridge Road                  |          | MD 176                       | Hanover Road                     | 4                       |                           | LOS C or better          |
| Nursery Road West               |          | Elkridge Landing Road        | MD 295                           | 4                       |                           | LOS C or better          |
| Oakwood Road                    |          | MD 100                       | Elvaton Road/ Old Mill Road      | 2                       |                           | D                        |
| Oakwood Road                    |          | MD 100                       | 5th Avenue SE                    | 2                       |                           | D                        |
| Old Mill Road                   |          | Elvaton Road                 | Veterans Highway                 | 2                       |                           | LOS C or better          |
| Ordinance Road East             | MD 710   | MD 2                         | AA Count/ City of Balitmore Line | 2                       |                           | E                        |
| Ordinance Road West             |          | Furnace Branch Road          | MD 2                             | 4                       |                           | F                        |
| Owensville Road                 | MD 255   | MD 468                       | MD 2                             | 2                       |                           | LOS C or better          |
| Patuxent Freeway                | MD 32    | Howard County Line           | MD 295                           | 4                       | 6                         | LOS C or better          |
| Patuxent Freeway                | MD 32    | MD 295                       | MD 175                           | 4                       | 6                         | LOS C or better          |
| Patuxent Freeway                | MD 32    | MD 175                       | I-97                             | 4                       |                           | LOS C or better          |
| Patuxent River Road             |          | Sands/Harwood Road           | US 50                            | 2                       |                           | LOS C or better          |
| Patuxent Road                   |          | Conway Road                  | Piney Orchard Parkway            | 2                       |                           | LOS C or better          |
| Paul T Pitcher Memorial Highway | MD 100   | MD 10                        | Mountain Road                    | 4                       |                           | LOS C or better          |
| Paul T Pitcher Memorial Highway | MD 100   | Howard County Line           | MD 10                            | 4                       | 6                         | LOS C or better          |
| Piney Orchard Parkway           |          | Patuxent Roac                | Odenton Road                     | 4                       |                           | LOS C or better          |
| Queenstown Road                 |          | MD 652 (Old Telegraph Road)  | MD 174                           | 2                       |                           | LOS C or better          |
| Race Road                       |          | MD 175                       | MD 176                           | 2                       |                           | LOS C or better          |
| Reece Road                      | MD 174   | MD 175                       | MD 170                           | 2                       |                           | LOS C or better          |
| Revell Highway                  | US 50    | MD 179                       | Bav Bridge                       | 6                       | 8                         | LOS C or better          |
| Ridge Chapel Road               |          | Teague Road                  | Harmans Road                     | 2                       |                           | LOS C or better          |
| Ridge Road                      | MD 713   | MD 175                       | MD 100                           | 2                       | 4                         | LOS C or better          |
| Ridge Road                      |          | MD 713 (Ridge Road)          | Race Road                        | 2                       |                           | LOS C or better          |
| Riedel Rd                       |          | MD 424                       | MD 3                             | 4                       |                           | LOS C or better          |
| Riva Road                       |          | MD 214                       | South River                      | 2                       |                           | LOS C or better          |
| Riva Road                       |          | South River                  | MD 665                           | 4                       |                           | LOS C or better          |
| Riva Road                       |          | MD 665                       | US 50                            | 4                       |                           | E                        |
| Robert Crain Highway            | MD 3     | I-97                         | MD 100                           | 5                       |                           | LOS C or better          |
| Robert Crain Highway            | MD 3     | MD 100                       | Aquahart Road                    | 5                       |                           | LOS C or better          |
| Robert Crain Highway            | MD 3     | MD 175                       | MD 450                           | 6                       |                           | F                        |
| Robinson Road                   |          | Benfield Road                | MD 2                             | 2                       |                           | LOS C or better          |
| Saint Margarets Road            | MD 179   | MD 2                         | US 50                            | 2                       |                           | LOS C or better          |
| Sands Rd                        |          | MD 4                         | Patuxent River/Harwood Road      | 2                       |                           | LOS C or better          |
| Severn Road                     |          | MD 713 (Ridge Road)          | MD 174                           | 2                       |                           | LOS C or better          |
| Shady Side Road                 | MD 468   | MD 256                       | Terminus                         | 2                       |                           | LOS C or better          |
| Solley Road                     |          | MD 173                       | MD 177                           | 2                       |                           | LOS C or better          |
| Solomons Island Road            | MD 2     | US 50                        | MD 665                           | 6                       |                           | LOS C or better          |
| Solomons Island Road            | MD 2     | MD 665                       | MD 214                           | 6                       |                           | LOS C or better          |
| Solomons Island Road            | MD 2     | MD 214                       | MD 259                           | 2                       |                           | LOS C or better          |
| Solomons Island Road            | MD 2     | MD 259                       | Calvert County Line              | 2                       |                           | LOS C or better          |
| South Haven Road                |          | Harry S Truman Parkway       | MD 450                           | 2                       |                           | LOS C or better          |
| Southern Maryland Boulevarc     | MD 4     | Calvert County Line          | MD 259                           | 4                       |                           | F                        |
| Southern Maryland Boulevarc     | MD 4     | MD 259                       | MD 408                           | 4                       |                           | F                        |
| Southern Maryland Boulevarc     | MD 4     | MD 408                       | PG County Line                   | 4                       |                           | F                        |
| Telegraph Road                  | MD 170   | MD 176                       | MD 100                           | 4                       |                           | LOS C or better          |
| Telegraph Road                  | MD 170   | MD 100                       | MD 32                            | 2                       | 4                         | LOS C or better          |
| Telegraph Road                  | MD 170   | MD 32                        | MD 175                           | 2                       | 4                         | LOS C or better          |
| Veterans Highway                |          | MD 3                         | Benfield Boulevard               | 4                       |                           | LOS C or better          |
| Veterans Highway                |          | Benfield Boulevard           | MD 178 (Generals Highway)        | 2                       |                           | D                        |
| Waugh Chapel Rd                 |          | MD 3                         | Piney Orchard Parkway            | 2                       | 4                         | LOS C or better          |
| WB&A Road                       |          | Evergreen Avenue             | New Cut Road                     | 2                       |                           | LOS C or better          |
| WB&A Road                       |          | New Cut Road                 | Donaldson Road                   | 2                       |                           | LOS C or better          |
| Wigley Avenue                   |          | Jessup Road                  | Montevideo Road                  | 2                       |                           | LOS C or better          |

### III. Long Range Plan

The generation, distribution and assignment of the travel demand model results in the forecast need to construct additional capacity on several roadway links within the County. Over two-thirds of those links are maintained by the State of Maryland, which reflects County driving behavior favoring the higher classification (speed and capacity) roadways. Nearly 70 percent of the County's total travel demand is found on those 1,200 lane miles of roadways owned by the State of Maryland. Given the output of the travel demand model (trips) several of those facilities will require upgrades to meet anticipated travel demand by 2035.

The Long Range Plan (LRP) is a planning document developed to meet Federal requirements allowing the use of Federal funds to plan, design and construct transportation infrastructure including fixed guideway transit (light, heavy and commuter rail), highways, and bridges. Both the Clean Air Act Amendments of 1991 and the most recent Transportation Reauthorization Act or SAFETEA-LU (PL 109-59) require that Long Range Plans adopted by Metropolitan Planning Organizations must be constrained by the financial capacities of the Federal, State and local sources of transportation funds, result in improvements to the region's air quality and conform to other Federal requirements protecting the natural and built environment. For air quality purposes and systems planning, the County is included in the Baltimore Region. The Baltimore Metropolitan Commission's current Long Range Plan is *Transportation Outlook 2035*.

Based on the growth in travel demand in the County and throughout the region, Anne Arundel County has identified several projects for construction over the 30-year time span between 2005 and 2035. Projects on major highway facilities are identified through analysis and programmed for construction through three stages in State methods:

- Consolidated Transportation Program (CTP) which is the State of Maryland's capital budget document identifying all funds to be expended (Federal, State, local and other) on State-owned facilities. The document has a six-year horizon.
- The Long Range Plan (LRP) which identifies projects arrayed over a longer span of time and although funds are not presently identified for all phases of project development (planning, design, right-of-way acquisition and construction), there is a reasonable assumption that these activities will occur over the 30 year span.
- The Highway Needs Inventory (HNI) which is limited to highway facilities for which there is an assumed need to plan, design and construct improvements over a longer span of time beyond known funding.

Under the present process, projects in Maryland requiring Federal funds or needing Federal permits (water quality, dredging/fill, etc), classified as an arterial or higher, and that are greater than one mile in length are typically noted in the HNI, moved into the LRP as funding becomes reasonable to assume, and finally identified in the CTP when funding becomes available.

In addition to the State process, Anne Arundel County has funded State facilities either in total or in part using impact fees, general obligation bonds, taxing districts and other forms of revenue generation. Those projects appear in the County's Capital Improvements Program (CIP).

Projects in Anne Arundel County that are currently funded and are included in the Long Range Plan or Highway Needs Inventory are listed in Table 7 below.

**Table 7. Status of Long Range Plan Projects, Anne Arundel County**

| Facility     | From      | To          | From<br>Lanes | To<br>Lanes | Status | Comments      |
|--------------|-----------|-------------|---------------|-------------|--------|---------------|
| MD 214       | MD 235    | MD 468      | 2             | 4           | CIP    |               |
| Forest Drive | MD 665    | Hilltop Ln  | 4             | 6           | CIP    |               |
| Riva Rd      | MD 665    | Interchange |               |             | CIP    |               |
| MD 295       | I-695     | I-195       | 4             | 6           | CTP    |               |
| MD 607       | MD 100    | MD 177      | 2             | 4           | CTP    |               |
| US 50        | I-97      | Bay Bridge  | 6             | 8           | LRP    | Managed Lanes |
| I-97         | MD 32     | US 50       | 4             | 6           | LRP    | Managed Lanes |
| MD 295       | I-195     | MD 100      | 4             | 6           | LRP    |               |
| MD 3         | US 50     | MD 32       | 4 or 6        | 6           | LRP    |               |
| MD 170       | MD 175    | MD 176      | 2             | 4           | LRP    |               |
| MD 175       | MD 170    | MD 295      | 2             | 6           | LRP    |               |
| MD 713       | MD 175    | MD 100      | 2             | 4           | LRP    |               |
| MD 174       | MD 175    | MD 170      | 2             | 4           | LRP    |               |
| MD 2         | US 50     | MD 10       | 4 or 6        | 6           | LRP    |               |
| Hanover Rd   | Howard Co | MD 170      | 2             | 4           | LRP    | Interchange   |

| Facility | From               | To           | From Lanes | To Lanes | Status | Comments       |
|----------|--------------------|--------------|------------|----------|--------|----------------|
| I-97     | MD 32              | I-695        | 6          | 8        | HNI    | Managed Lanes  |
| US 50    | Prince George's Co | I-97         | 6          | 8        | HNI    | Managed Lanes  |
| I-695    | MD 648             | Baltimore Co | 6          | 8        | HNI    |                |
| MD 2     | US 50              | MD 214       | 4 or 6     | 6        | HNI    |                |
| MD 4     | Calvert Co         | MD 258       | 4          | 4        | HNI    | Access Control |
| MD 10    | MD 100             | Interchange  |            |          | HNI    | Full Access    |
| MD 32    | MD 198             | Howard Co    | 4          | 6        | HNI    |                |
| MD 100   | Howard Co          | MD 10        | 4          | 6        | HNI    |                |
| I-695    | MD 10              | I-895 B      | 4          | 6        | HNI    |                |

\*Please note that the term “managed lanes” assumes some type of control of use will be placed upon them such as high occupancy vehicles (HOV) only, Express-Toll-Lanes (ETL) or variable pricing. Instances where these lanes are identified are done so with the understanding that there will be no more add lane options in these corridors.

### Highway Network Completions and Priorities

The present highway network in Anne Arundel County is composed of over 4,800 lane miles of roadways. Approximately 1,200 lane miles of that network are maintained by agencies of the MDOT, mostly the SHA and the MdTA, which predominately maintains the William Preston Lane (Chesapeake Bay) Bridge. The Federal Lands Division of the Federal Highway Administration (FHWA) maintains a portion of the network known as the Baltimore-Washington Parkway (BWP). In addition to being a highway, the BWP is identified as a cultural resource and parkland. These distinctions limit the facility’s ability to be widened or to construct additional points of access.

As mentioned above, roadway and capacity construction within the County is accomplished by several means. Projects included in the CTP have been previously identified in the County’s Annual Construction Priorities Letter sent by the County Executive to the Maryland Secretary of Transportation. By State code, the Secretary considers all requests, but is more compelled to respond to requests on the secondary network, which includes roads below the freeway or



principal arterial classification. Projects in the CTP (if Federal funds are included) must be included in the Baltimore Metropolitan Region's Long Range Plan. To be included in this Plan the project must have been reviewed for and found to be supportive of Federal requirements to improve the air quality of the region based on requirements established under the Clean Air Act Amendments of 1990. Finally, projects that the State has identified in the Highway Needs Inventory (HNI) document are afforded a much greater possibility of being funded for construction.

The following are among the highway projects of note that have been completed since 1997:

- MD 2/US 50-301 Interchange improvements which provide redundancy and more options for motorists in the Parole area as well as better connections to Anne Arundel Medical Center, Westfield Shopping Center in Annapolis (Annapolis Mall) and other locations north of US 50 near MD 2.
- MD 32 interchanges at the National Security Agency at Fort Meade, removing the last two traffic signals along MD 32 between I-97 and Columbia in Howard County.
- Arundel Mills Boulevard interchange with MD 295 (Baltimore Washington Parkway), providing direct access to the large commercial and residential regional activity area at Arundel Mills.
- MD 100, providing a continuous four-lane freeway facility between Columbia in Howard County and Pasadena, with improved access to BWI-Thurgood Marshall Airport.
- East-West Boulevard, providing a continuous two to four-lane minor arterial access between Veterans' Highway (MD 178) and Governor Ritchie Highway (MD 2), north of Benfield Boulevard and the Severn River.
- MD 177 (Mountain Road) between Woods Road and Maryland Avenue, providing a reversible lane in the center lane; during peak hours the lane controls switch the lane flow to the peak direction; in off-peak hours, the lane reverts to a center turn lane.

Priorities for completion over the planning horizon of the 2008 GDP will include roadways carrying a greater travel demand than supply (capacity) supports. Most of those roadway segments are identified in Table 7 above, and either the SHA or the MdTA maintains virtually all of these segments. If an improvement is not financed by a developer meeting APF requirements, then the County must either wait for Federal and/or State actions to occur or must use local funds (impact fees, impact bonds, general obligation bonds, general revenue paygo) to finance improvements.

### **Transit Network Completions and Priorities**

Anne Arundel County is served by multiple forms of transit, being situated between Baltimore and Washington, along the Northeast Corridor and containing the BWI-Thurgood Marshall Airport. Among those are AMTRAK (BWI Station), two MARC Commuter rail lines (Penn Line and Camden-CSX line) serving BWI, Odenton, and Jessup, and the Baltimore Central Light Rail Line (Yellow Line) serving BWI, Cromwell, and Linthicum. With the exception of the

double-tracking of the Light Rail Transit line previously mentioned, and the current fixed route bus service as noted below, there have been few completions of transit projects in the County since the adoption of the 1997 GDP.

### Bus Transit Service

In addition to the fixed rail services noted above, the County is served by approximately 20 bus fixed routes operated by Maryland Transit Administration (MTA), City of Annapolis (AT), Corridor Transportation Corporation (CTC) and very recently Dillon Bus Service. Beyond fixed route transit, the Department of Aging and Disabilities (DoAD) operates a specialized demand-response service throughout the County for qualifying residents. Additionally, two bus routes are operated by the Washington Metropolitan Area Transit Authority (WMATA) under contract to MTA serving BWI-Thurgood Marshall connecting to the Greenbelt Metrorail Station on the Green Line and also serving Crofton connecting to the New Carrollton Metrorail Station on the Orange Line. Both of the WMATA services are limited contractually to serve specific places and do not open doors to carry passengers from other locations.



**Medium Duty Truck Bus**

Since the adoption of the 1997 GDP, the County prepared a Transit Development Plan (TDP), which identifies priorities for bus transit improvements and strives to better coordinate existing services. The highest route priorities for bus transit in the 2003 TDP are:

- West County service bundle including connections to Fort Meade, Severn, Odenton, Crofton and Laurel,
- North and East County service bundle including connections to Pasadena, Lake Shore, Glen Burnie, and Riviera Beach,
- Edgewater, Annapolis, Parole, and Arnold connections, and
- South County service bundle including connections to Waysons, Deale, and Shady Side from Annapolis.

Approximate service areas and routes of these bus transit bundles are displayed in Figure 5.

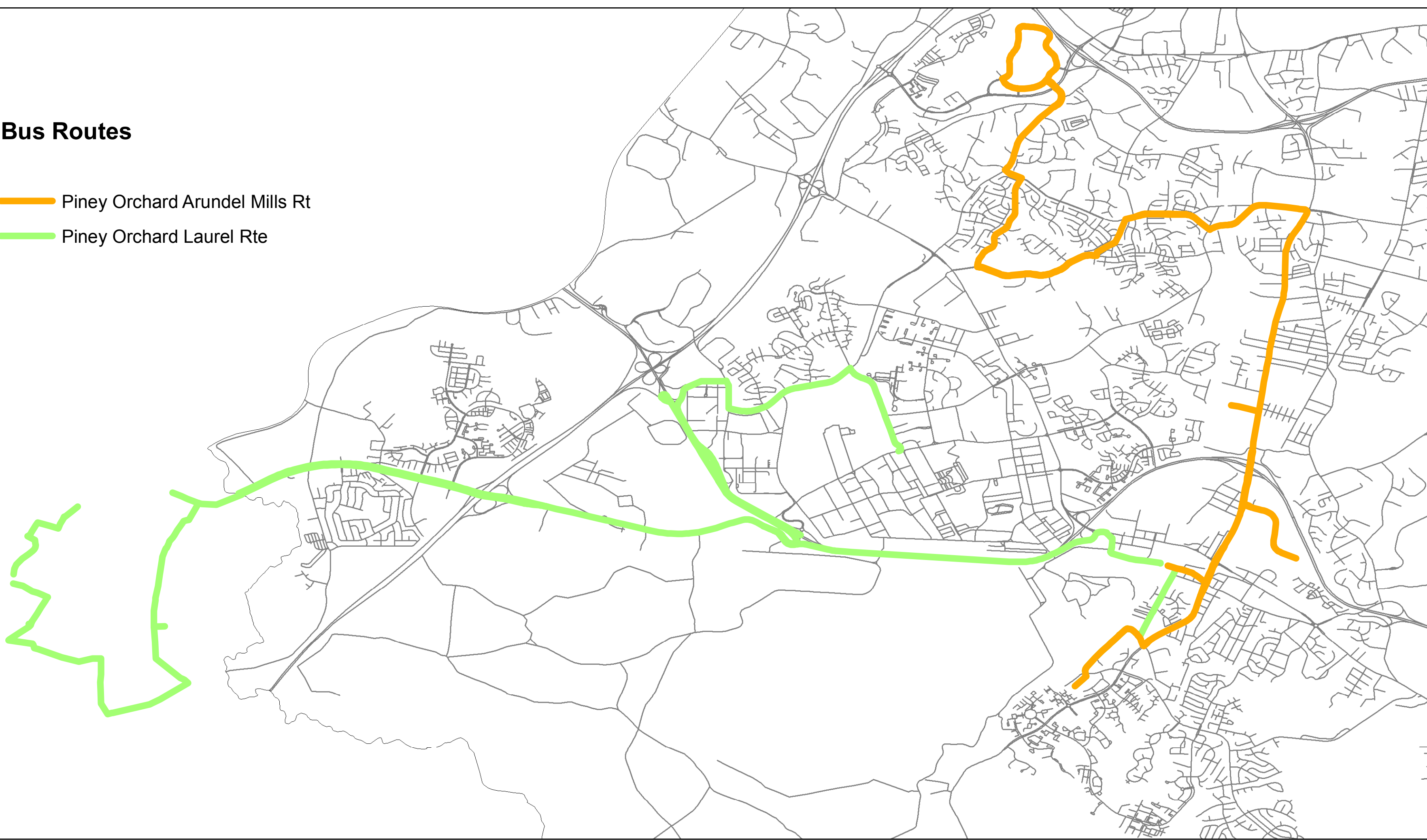
### Central Maryland Transit Operations Facility

The highest capital priority to support the expansion of community based transit services in the County includes the construction of a Transit Operations Facility, commonly referred to as the Central Maryland Transit Operations Facility (CMTOF). Its purpose is to provide a centralized garage for transit services in portions of the County, Howard County and the City of Laurel in Prince George's County. Ownership of a facility will help to increase opportunities for competition among operating contractors as the jurisdictions contract for operators, mechanics, route supervisors and other forms of labor necessary to deliver transit services. Without a facility, only contractors owning or having access to a garage can bid to provide the services. Few operators have facilities and therefore competition among potential contractors is limited.

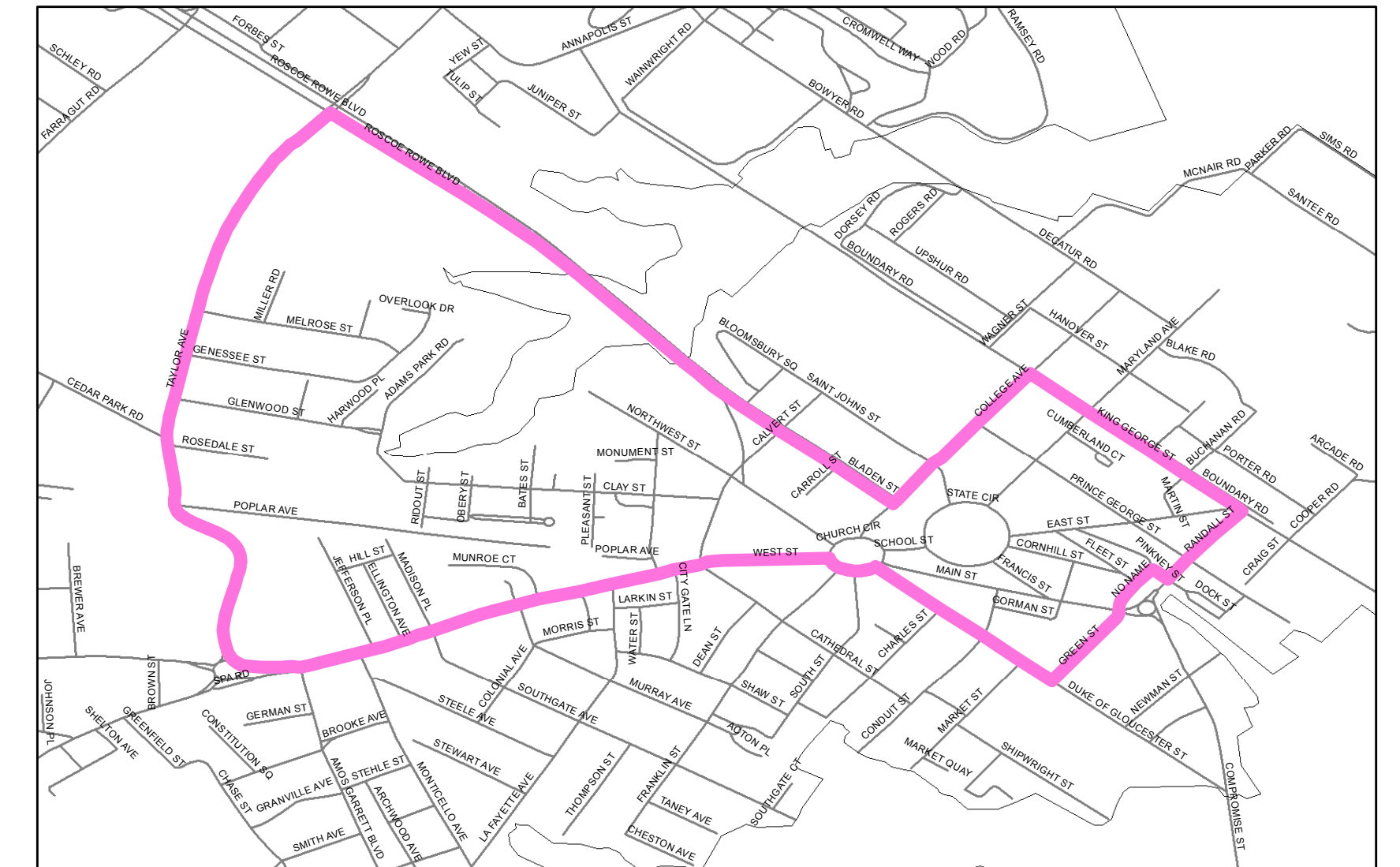
# Figure 5 Transit Development Plan

## Bus Routes

- Piney Orchard Arundel Mills Rt
- Piney Orchard Laurel Rte



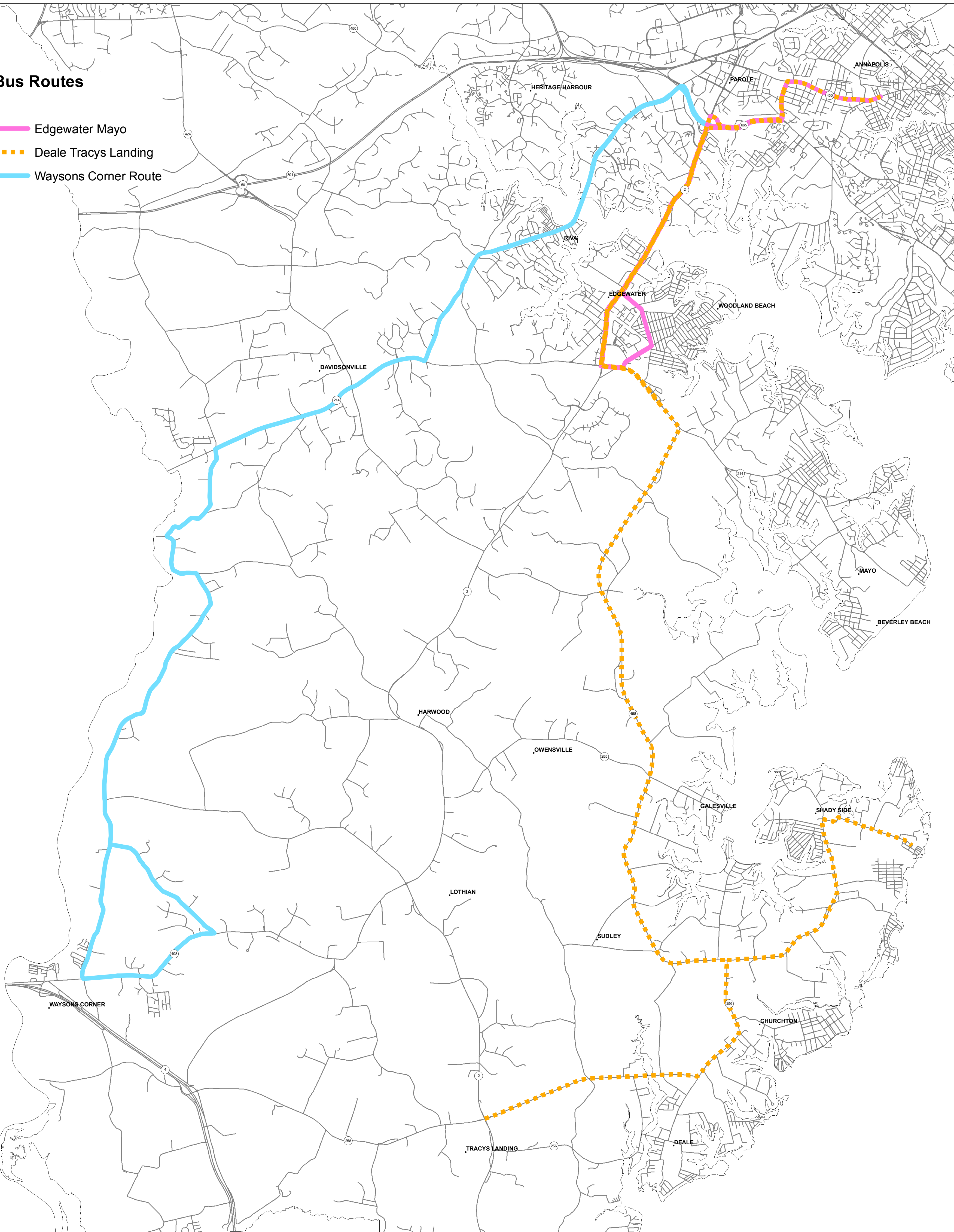
Piney Orchard/ Arundel Mills  
Piney Orchard/ Laurel



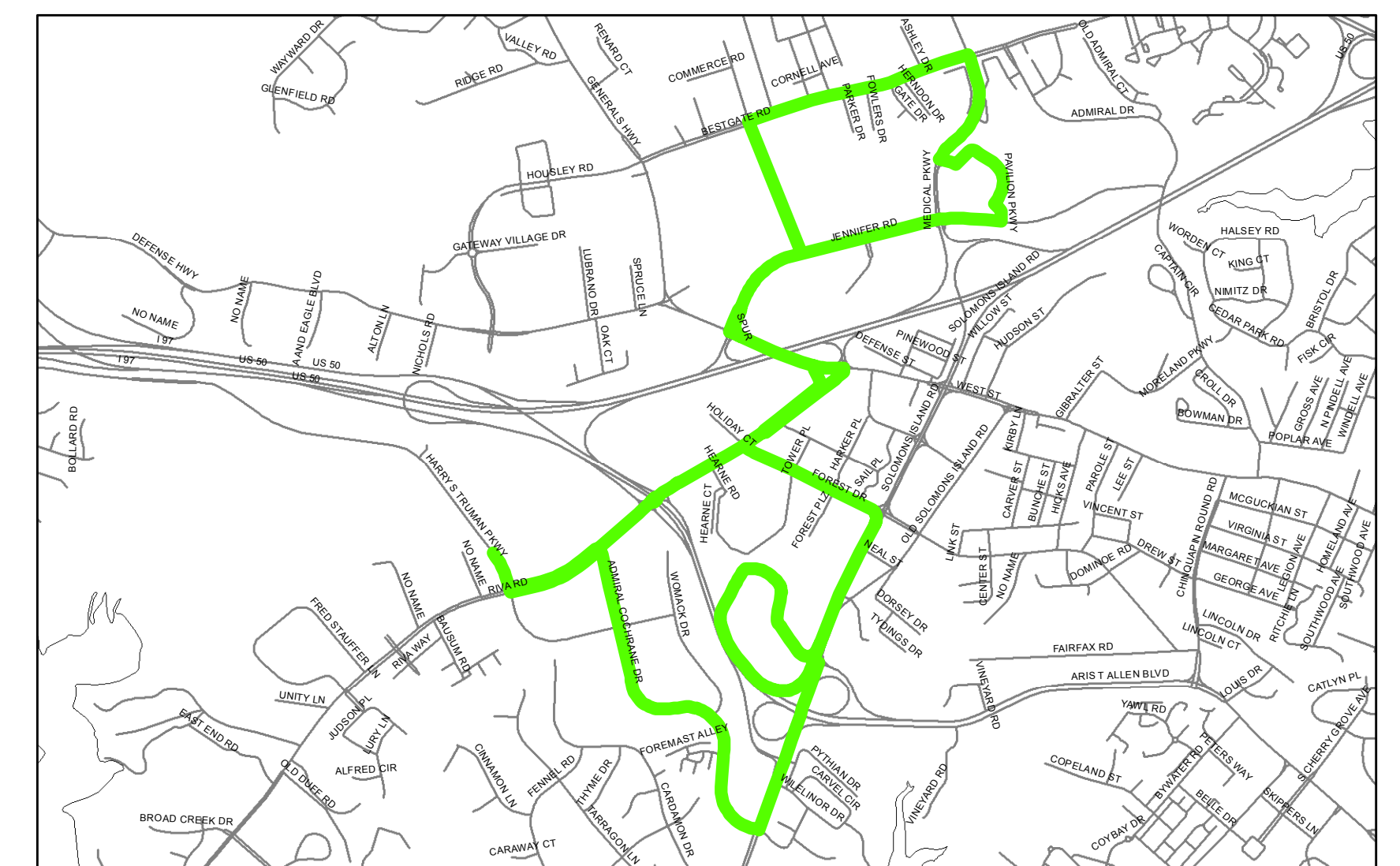
Annapolis Shuttle Express

## Bus Routes

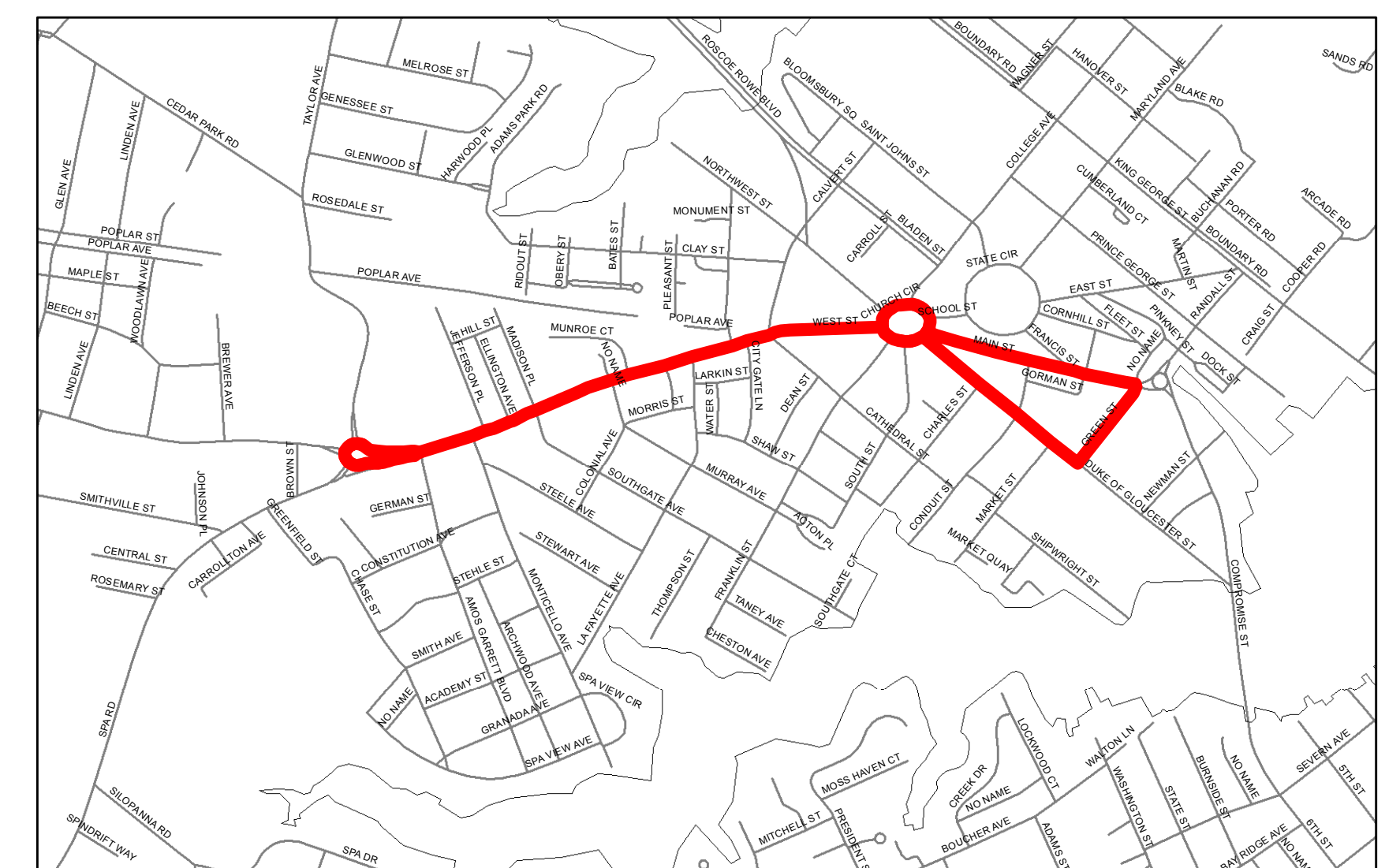
- Edgewater Mayo
- - - Deale Tracys Landing
- Waysons Corner Route



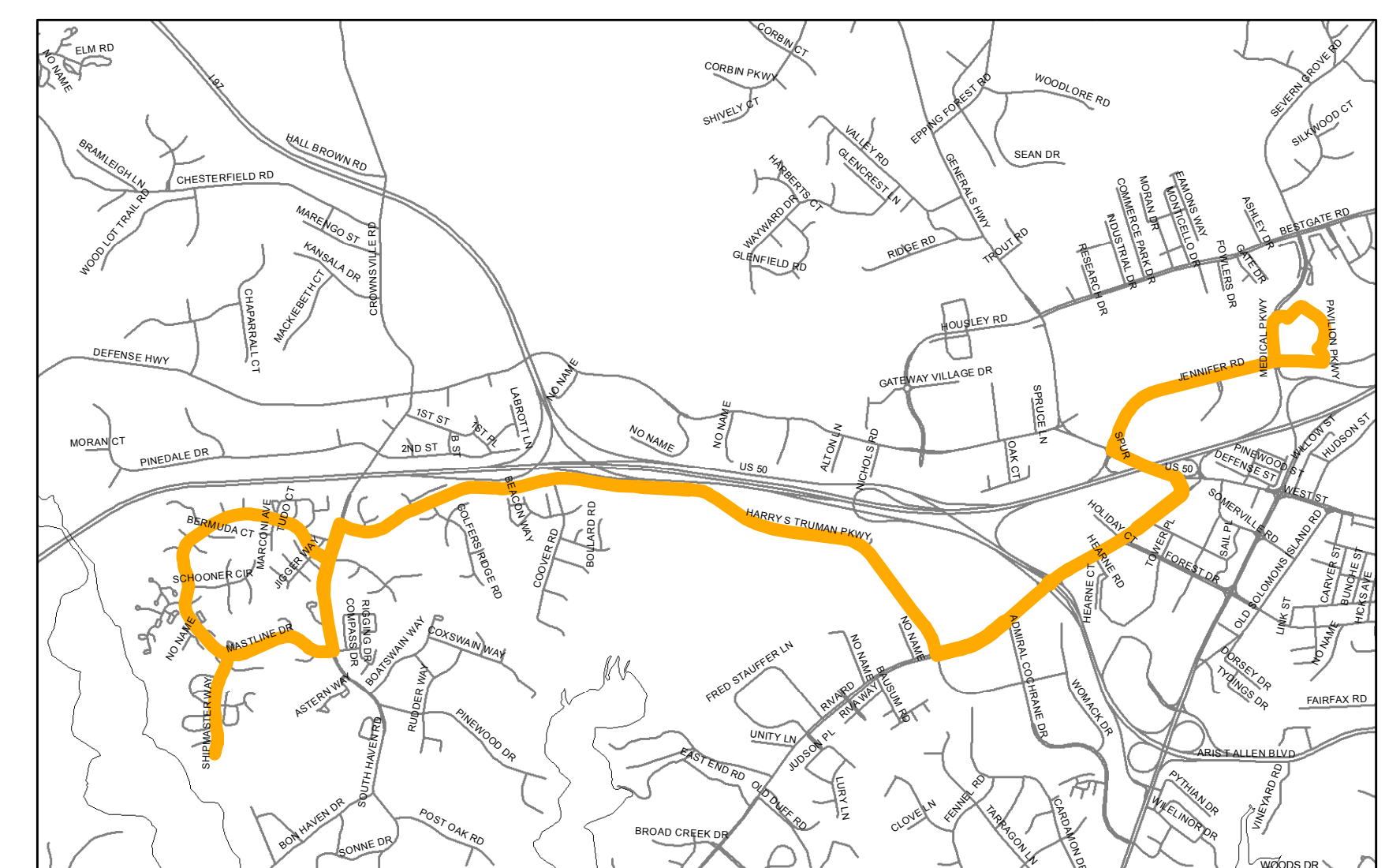
Deale/ Tracys Landing  
Waysons Corner Route  
Edgewater/ Mayo



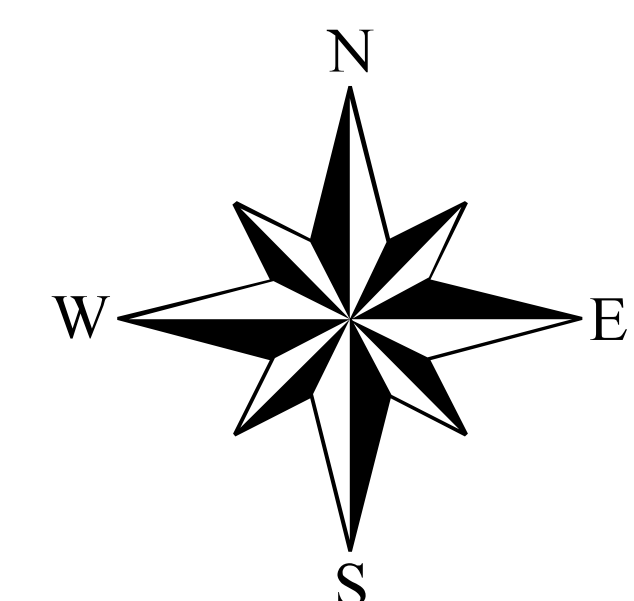
Parole Circulator



Inner West Shuttle



Heritage Harbor



Limited competition generally pulls up the cost of providing service. Higher cost for service leads to fewer hours of service, more expansive fares for riders, or greater public expenditures for the same amount of service.

### Bus Vehicle Ownership

The other capital component to transit is ownership of the vehicles. A high priority is to purchase transit buses to operate the routes noted above. In order to fully operate the service bundles noted above, the County will need to acquire approximately 30 vehicles which include both buses to run the routes and spare vehicles to replace them, as needed. This does not include the current DoAD paratransit operation which currently owns 39 vehicles that generally do not have the capacity or are not designed to support fixed route, frequent stops, and longer distance operations.

### Yellow Line Extension

The priority for LRT in the County is a formalized planning start, meeting necessary Federal Transit Administration, National Environmental Policy Act and New Starts (Section 5309)



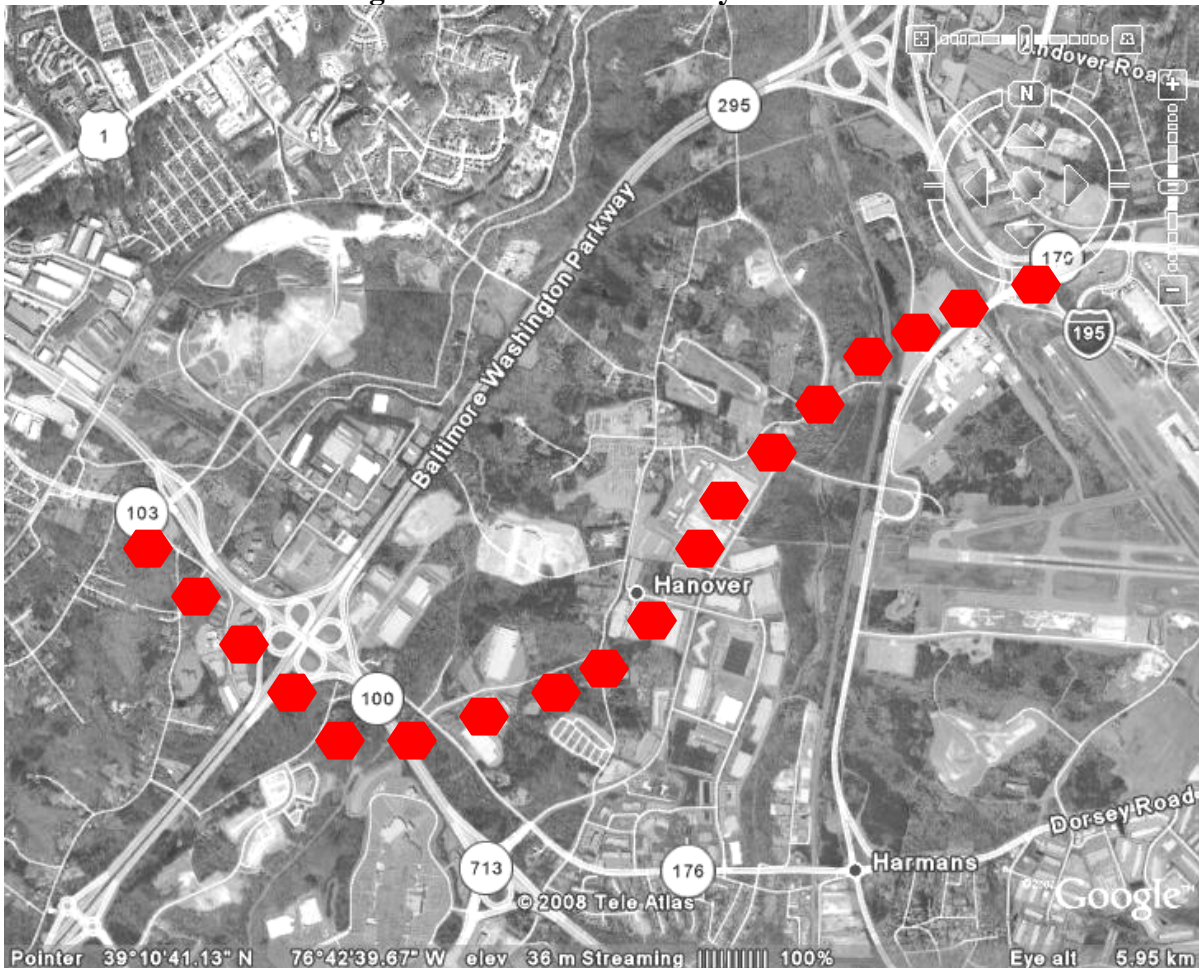
requirements, to extend the Yellow Line from its present terminus at the BWI Business Park station to the Dorsey MARC station in Howard County. Previously studied in the Baltimore Regional Rail Plan, the Yellow Line extension, studied by the County in 2003 would provide a direct and higher quality transit connection between BWI, Arundel Mills, and Dorsey MARC. It could also provide a rail bridge between the Penn Line MARC at BWI Station and the Camden-CSX MARC at Dorsey Station. A map of the study corridor is provided in Figure 6.

### **MTA Light Rail**

### MARC Capacity and Accessibility

The priority for MARC is increasing capacity and accessibility to the system for residents and businesses in the County. Presently MARC Penn Line service to BWI and to Odenton is on par with services offered to communities and activity centers elsewhere in the Northeast Corridor. Capacity increases to the MARC system will come from increasing the span of service (weekend trains, a longer service day adding earlier and later trains) and the capacity per train by adding more bi-level rail cars which increase the per-train capacity by as much as 60 percent. Accessibility to the MARC is primarily by automobile. Parking at the Odenton MARC station is very fragmented and land intensive. Use of the land for surface parking reduces the viability of redeveloping the area into the transit oriented community envisioned in the Odenton Town Center Master Plan and other land development guiding documents in the County. Further, the land side or parking support will not meet anticipated future demand for MARC service from Odenton to Washington, BWI or Baltimore. As MTA implements service improvements to MARC in the Northeast Corridor, additional parking at the station is warranted. Additional surface parking will continue to underutilize land around the station. MARC anticipates growing the ridership using this station from 2,100 daily boardings to approximately 3,100 daily boardings.

**Figure 6 - Yellow Line Study Corridor**



**Illustrative alignment for the extension of the Light Rail Yellow Line from BWI Thurgood Marshall Airport to Dorsey Run Road**

Priority Transit Corridor Studies

Patterns of travel demand, growth in employment, and wages paid by that employment should dictate where improvements to the quality and quantity of transit should be provided. Growth in employment in and around Washington DC and its suburban Maryland and Virginia jurisdictions should continue to draw commuter trips to these areas. The other wellspring of employment should be the area around Fort Meade, BWI-Thurgood Marshall and the I-95 Corridor (including Columbia) in Howard County.

All three of these employment activity centers are connected to major residential areas by a freeway system (US 50-301, I-97, MD 100, MD 32). By making a few route changes from these roads to connect to Annapolis, Parole, Odenton and other residential areas or park and ride facilities, these roadways could become the skeleton of an improved bus or bus rapid transit network.

Improving the quality of transit services in these corridors will require construction of land side appurtenances. Among these are park and ride facilities, passenger amenities such as sheltered platforms, off-vehicle fare collection, and common fare media to permit simple transfers among operators. Construction of intermodal centers located at major County employment centers is also a necessary step to identify capital investment in quality bus transit.



**Bus Rapid Transit Vehicle, Los Angeles**

Highway improvements permitting exclusive transit lanes, queue jumper lanes around at-grade intersections, and signal prioritization to allow transit vehicles to maintain schedules are all necessary features to improve the quality of the service.

### Regional Rail Transit Priorities for Study

Located between Baltimore and Washington and having access to the Northeast Corridor, Anne Arundel County is situated in an area that should be served by higher quality transit. Presently, the Maryland Department of Transportation (MDOT) is considering various modes of fixed guideway rail transit including MagLev (magnetic levitation), extension of the WMATA Green Line from Greenbelt (E Route) and improvements to service on the Penn Line of the MARC system. Given the significant cost of implementing any of these three rail transit improvements, it is highly doubtful that all three would be constructed within the life of this plan or for decades thereafter.

### **WMATA Heavy Rail**



### **MARC Commuter**



**MagLev Train on Structure**

While location of the alignment and access stations to any of these three rail system choices is ultimately a decision based on environmental impacts, capital and operating costs, and benefits, decisions regarding land use and modes of access to the stations are within the purview of the County. Identifying alignments goes beyond the scope of the GDP, but noting activity centers that should be served is appropriate. Regardless of selected mode, service connecting Fort Meade/NSA, MD 32, MD 100, and BWI should be assumed for any mode alternative and alignment.

#### **IV. Conclusions**

Anticipated growth in households, population and employment will lead to greater travel demand generated within the County. Currently, the County's road network experiences 4.2 billion vehicle miles of travel (VMT) annually (2006 latest data available). On a per capita basis the fourth highest VMT coupled with the fourth highest total population yields the highest VMT per capita in the State of Maryland.

The County experiences this high rate of travel demand due to the number of significant regional and State facilities located in the County, the geographic location between the Nation's Capital and Baltimore, and its large number of peninsulas. Since the County is also the location for several of the state's most important facilities such as the William Preston Lane (Chesapeake Bay) Bridge, Maryland's Port of Baltimore, BWI-Thurgood Marshall Airport, Fort George G. Meade, and the State Capital in the City of Annapolis, much travel occurs in and through the County which is independent of the County's demographic changes and land use configuration. The County's location between the Baltimore and Washington Metropolitan Areas also is conducive to through travel, again separate from communities and employment areas of the County. Further adding to this situation is the physical geography of the County with its peninsulas where every trip into the peninsula requires a trip off of the same land mass. Finally, the County's many rivers and associated wetlands combine to channel that travel demand into a few corridors. All of these features, coupled with the anticipated growth in population and employment will lead to still greater demand for these facilities.

These geographic and locational issues place additional stress on the County's transportation network. Highway or transit improvements constructed to support the anticipated increase in travel demand are available at high cost, and frequently only through Federal and/or State participation in both the planning and construction process. While the County can and does choose to participate in the planning and funding process, it is frequently unable to advance high priority projects that are subject to Federal and/or State action.

Funding for transportation facilities will likely have to compete with other County (and State) budget priorities. Even within funding sources dedicated to transportation, competition between system preservation (greater than 60 percent of the current State transportation budget) and system expansion (closer to 20 percent of the State transportation budget) will become even sharper over the GDP planning horizon. Much of the capacity expansion within the County happened during the 1970s through 1990s. Over the span of this plan those facilities will need substantial renovations and preservation, thus making simple expansion difficult to accomplish.

Therefore, it is very likely that the County will need to bear a greater financial burden on not only taking care of its own facilities, but also shouldering the cost to expand State owned transportation infrastructure. Other than impact fees, which can only be used to fund capacity improvements, not preservation, the County does not have a dedicated source of revenue to use for that purpose. This situation will also lead to greater competition among needs for available general revenue and bond funding for capital projects.

While a greater shift to use of transit is likely to occur assuming that funding is made available for operating and capital expenses related to transit, a change from one mode to another is a long process, especially in terms of transportation investments made by families and businesses, changing land use patterns and site design and the quality and quantity of transit supply made available.

To meet the challenges noted in the travel demand forecast, the County will need to consider taking measures to increase its funding for both the maintenance and the expansion of transportation facilities both in terms of highway improvements, pedestrian/bicycle facilities and transit service. It will also need to consider focusing the transportation program in a fashion similar to other public services where the service is provided under “one roof” rather than diffused among several staff agencies. The County will need to consider the impact of development on a larger segment of the transportation network, not merely the point of access, but also points where the network intersects with other segments. Finally, it will need to consider the outcome of land use patterns and site design as they relate to transportation services and demand, as the County continues to develop and revitalize.



**Appendix A**  
**Anne Arundel County**  
**Road Functional Classifications:**  
**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                            | ROAD NUM | LOCATION   |  | CLASSIFICATION     | 2008 GDP Proposed Changes   |
|---|----------|--|--|--------------------|---|
|   |          | FROM   | TO   |                    |   |
| 10th Avenue                             |          | MD 170 (Belle Grove Road)                        | MD 2 (Governor Ritchie Highway)                                | Collector          |   |
| 14th Avenue                             |          | Valley Road                                      | MD 2 (Governor Ritchie Highway)                                | Collector          |   |
| 21 1/2 Street                           |          | MD 175 (Annapolis Road)                          | Terminus   | Local              | 1. Proposed: Connect and convert to proposed Odenton Town Center Blvd extension |
|   |          |  |  |                    | 2. Change to Minor Arterial   |
| 4th Avenue SE/SW                        |          | Griffith Lane/Griffith Lane SE                   | D Street   | Collector          |   |
| 5th Avenue SE                           |          | MD 3 (Robert Crain Highway)                      | MD 2 (Governor Ritchie Highway)                                | Minor Arterial     |   |
| 5th Avenue SW                           |          | Stewart Avenue                                   | MD 3 (Robert Crain Highway)                                    | Minor Arterial     |   |
| 6th Street                              |          | Chesapeake Avenue/ Compromise St                 | Terminus near Spa Creek  | Minor Arterial     | 1. Change to Local Roadway  |
| 8th Avenue NW                           |          | MD 648 (Baltimore Annapolis Blvd)                | MD 2 (Ritchie Highway)   | Collector          | 1. Change to Minor Arterial   |
| Aberdeen Drive                          |          | Riedel Road                                      | Fallsway Drive   | Collector          |   |
| Admiral Cochrane Drive                  |          | Riva Road  | MD 2 (Solomons Island Road)                                    | Collector          | 1. Change to Minor Arterial   |
| Admiral Drive                           |          | MD 450 (West Street)                             | MD 70 (Bestgate Road)  | Collector          | 1. Change to Minor Arterial from Jennifer Road to MD 450                        |
| Aero Drive                              |          | International Drive                              | Maritime Boulevard   | Local              | 1. Change to Collector  |
| Airport 100 Way                         |          | Dorsey Road                                      | Dorsey Ridge Road  | Local              | 1. Change to Collector  |
|   |          |  |  |                    | 2. Show existing connection to Dorsey Ridge Road                                |
| Alameda Parkway                         |          | Jones Station Road                               | Alameda Parkway  | Collector          |   |
| Amberly Road                            |          | Eastway  | MD 648 (Baltimore Annapolis Blvd)                              | Collector          |   |
| Amtrak Way                              |          | MD 170 (Aviation Boulevard)                      | Terminus at BWI (Amtrak/MARC)                                  | Local              | 1. Change to Collector  |
| Andover Road                            |          | Nursery Road West                                | MD 162 (Aviation Boulevard)                                    | Collector          | 1. Change to Minor Arterial from Hammonds Ferry Rd to MD 170 (Camp Meade Rd)    |
| Annapolis Road                          | MD 175   | MD 295 (Baltimore Washington Parkway)            | MD 3 (Robert Crain Highway)                                    | Principal Arterial | 1. Shift existing EB MD 32 Ramp to align with Odenton Avenue                    |
| Annapolis Street                        |          | MD 435 (Taylor Avenue)                           | MD 450 (King George Street)                                    | Local              | 1. Change to Minor Arterial   |
| Appalachian Drive                       |          | MD 177 (Mountain Road)                           | Windy Ridge Court  | Collector          |   |
| Aquahart Road                           |          | MD 3 (Robert Crain Highway)                      | MD 2 (Governor Ritchie Highway)                                | Minor Arterial     |   |
| Ardmore Road                            |          | Hammonds Ferry Road                              | Cheddington Road   | Collector          |   |
| Arnold Road                             |          | Grandview Road                                   | MD 2 (Governor Ritchie Highway)                                | Local              | 1. Change to Collector  |
| Arundel Beach Road                      |          | MD 2 (Governor Ritchie Highway)                  | Terminus near Arundel Beach                                    | Collector          |   |
| Arundel Corporation Road                |          | Sterling Avenue                                  | Ordinance Road   | Collector          |   |
| Arundel Mills Boulevard                 |          | MD 295 (Baltimore Washington Parkway)            | Arundel Way  | Minor Arterial     | 1. Proposed: Extend existing roadway to Race Road                               |
| Arundel Mills Boulevard/ New Ridge Road | MD 713   | Arundel Way                                      | MD 100   | Minor Arterial     |   |
| Arundel Mills Circle                    |          |  |  | Local              | 1. Change to Collector  |
| Arundel On The Bay Road                 |          | Bay Ridge Road                                   | Ellis Road   | Collector          |   |
| Asbury Drive                            |          | Leelyn Road                                      | MD 648 (Baltimore Annapolis Blvd)                              | Minor Arterial     |   |
| Aviation Boulevard                      | MD 170   | MD 176 (Dorsey Road)                             | MD 170 (Camp Meade Road)/ MD 162 (Aviation Blvd)               | Principal Arterial |   |
| Aviation Boulevard                      | MD 162   | MD 170 (Camp Meade Road)/ MD 170 (Aviation Blvd) | MD 176 (Dorsey Road)   | Principal Arterial |   |
| B Street SW                             |          | 5th Avenue                                       |  | Collector          |   |
| Ballman Avenue                          |          | MD 171 (Church Street)                           | Townsend Avenue  | Collector          |   |
| Balsam Drive                            |          | Benfield Road                                    | Cottonwood Drive   | Collector          |   |
| Baltimore Annapolis Boulevard           | MD 179   | US Navel Academy Bridge                          | MD 179 (Saint Margarets Road)/ Sharpe Road                     | Minor Arterial     |   |
| Baltimore Annapolis Boulevard           | MD 648   | MD 179 (Saint Margarets Road)/ Sharpe Road       | US 50 (Revell Highway)   | Collector          |   |
| Baltimore Annapolis Boulevard           | MD 648   | US 50 (Revell Highway)                           | MD 2 (Governor Ritchie Highway)                                | Collector          |   |
| Baltimore Annapolis Boulevard           |          | Old Fredrick Road                                | MD 2 (Governor Ritchie Highway)                                | Collector          |   |
| Baltimore Annapolis Boulevard           | MD 648   | MD 2 (Governor Ritchie Highway)                  | Waterford Road   | Minor Arterial     |   |
| Baltimore Annapolis Boulevard           |          | MD 177 (Mountain Road)                           | AA County Line near Patapsco River                             | Minor Arterial     |   |
| Baltimore Boulevard                     | MD 450   | MD 450 (King George Street)                      | US Navel Academy Bridge  | Principal Arterial |   |
| Bar Harbor Road                         |          | MD 173 (Fort Smallwood Road)                     | Dunlap Road  | Collector          |   |
| Battee Drive                            |          | Franklin Manor Road/ Gwynne Avenue               | Battee Circle  | Collector          |   |
| Bay Dale Drive                          |          | Ferguson Road                                    | Bay Green Drive  | Minor Arterial     | 1. Change to Collector north of College Parkway                                 |
| Bay Front Road East                     | MD 258   | MD 2 (Solomons Island Road)                      | MD 256 (Deale Churchton Road)                                  | Principal Arterial |   |
| Bay Front Road West                     | MD 258   | MD 4 (Southern Maryland Boulevard)               | MD 2 (Solomons Island Road)                                    | Principal Arterial |   |
| Bay Green Drive                         |          | Shore Acres Road                                 | Shore Acres Road   | Collector          |   |
| Bay Head Road                           |          | College Parkway                                  | Terminus near Little Magothy River                             | Collector          |   |
| Bay Highlands Drive                     |          | Arundel On The Bay Road                          | Walnut Drive   | Collector          |   |
| Bay Hills Drive                         |          | Shore Acres Road                                 | Bay Green Drive  | Collector          |   |
| Bay Ridge Avenue                        | MD 181   | Bay Ridge Road                                   | 6th Street   | Minor Arterial     |   |
| Bay Ridge Road                          |          | Hillsmere Drive                                  | Herndon Avenue   | Minor Arterial     |   |
| Bayard Road                             | MD 422   | Sands Road                                       | MD 408 (Mount Zion Marlboro Road)/ MD 2 (Solomons Island Road) | Minor Arterial     |   |
| Bayberry Drive                          |          | Shore Acres Road                                 | Holly Lane   | Collector          |   |
| Bayfield Road                           |          | Cumberstone Road                                 | Terminus near Cox Creek  | Collector          |   |
| Baylor Road                             |          | Mayo Road  | Mayo Road  | Local              | 1. Change to Collector  |
| Baymeadow Drive                         |          | MD 710 (East Ordinance Road)                     | R E Michel Drive   | Collector          |   |
| Bayside Beach Road                      |          | MD 173 (Fort Smallwood Road)                     | Thackara Road  | Collector          |   |
| Beards Point Road                       |          | MD 214 (Central Avenue West)                     | Riva Road  | Minor Arterial     |   |
| Becknel Avenue                          |          | Patuxent Road                                    | Terminus near Piney Orchard Parkway                            | Collector          |   |
| Belgarden Lane                          |          | Swift Road                                       | Lake Shore Drive   | Collector          |   |
| Belhaven Road                           |          | Bayside Beach Road                               | Terminus near Bodkin Yacht Club                                | Collector          |   |
| Bell Branch Road                        |          | MD 424 (Davidsonville Road)                      | Rutland Road   | Collector          |   |
| Belle Grove Road                        | MD 170   | MD 648 (Baltimore Annapolis Blvd)                | MD 2 (Ritchie Highway)/ Potee Street                           | Principal Arterial |   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                   | ROAD NUM | LOCATION  |  | CLASSIFICATION     | 2008 GDP Proposed Changes   |
|--------------------------------|----------|---|--|--------------------|---|
|                                |          | FROM  | TO   |                    |   |
| Bellerive Road                 |          | College Parkway   | Pennington Lane                                  | Collector          |   |
| Benfield Boulevard             |          | Terminus at I-97 Business Park                                      | Benfield Road                                    | Minor Arterial     |   |
| Benfield Road                  |          | Veterans Highway  | Robinson Road                                    | Minor Arterial     |   |
| Berkshire Drive                |          | Riva Road   | Terminus near Beards Creek                       | Collector          |   |
| Berrywood Drive                |          | MD 648 (Baltimore Annapolis Blvd)                                   | Stonehouse Drive                                 | Collector          |   |
| Bestgate Road                  | MD 70    | MD 178 (Generals Highway)   | US 50/301 (John Hanson Highway)                  | Minor Arterial     |   |
| Bestgate Road N                |          | MD 70 (Bestgate Road)   | Ridgely Avenue                                   | Local              | 1. Change to Collector  |
| Beverly Avenue                 | MD 214   | Shesley Road  | Chesapeake Drive                                 | Collector          |   |
| Biddle Road                    |          | Carroll Road  | Madeline Avenue                                  | Collector          |   |
| Birdsville Road                |          | MD 214 (Central Avenue West)  | MD 2 (Solomons Island Road)                      | Minor Arterial     |   |
| Bladen Street                  |          | MD 70 (Roscoe Rowe Boulevard)                                       | MD 436 (College Avenue)                          | Minor Arterial     |   |
| Blue Ridge Drive               |          | Chestnut Tree Drive   | Hilltop Drive                                    | Collector          |   |
| Blue Water Boulevard           |          | MD 175 (Annapolis Road)   | Bluffs Island Court                              | Collector          | 1. Change to Minor Arterial from MD 175 to Proposed OTC Blvd<br>***Roadway becomes private after Bluffs Island Ct, Local until end of road. |
| Bodkin Avenue                  |          | MD 177 (Mountain Road)  | Terminus near Bodkin Yacht Club                  | Collector          |   |
| Boones Drive                   |          | MD 408 (Mount Zion Marlboro Road)                                   | Sarah Anne Drive                                 | Collector          |   |
| Boulters Way                   |          | Winchester Road   | MD 450 (Governor Ritchie Highway)                | Collector          |   |
| Boyd's Turn Road               |          | MD 261 (Friendship Road)  | AA County Line near Boyd's Trail                 | Collector          |   |
| Bradley Road                   |          | Tick Neck Road  | Edwin Raynor Boulevard                           | Local              | 1. Change to Collector  |
| Brick Church Road              |          | MD 2 (Solomons Island Road)   | MD 214 (Central Avenue West)                     | Minor Arterial     |   |
| Brightview Drive               |          | Grover Road   | Martin Drive                                     | Collector          | 1. Change to Minor Arterial   |
| Broadneck Road                 |          | Bay Dale Drive  | Terminus near US 50 (Blue Star Memorial Highway) | Collector          |   |
| Broadview Boulevard            |          | Andover Road  | 3rd Avenue South                                 | Collector          |   |
| Broadview Drive                |          | Hampton Road  | Saint Catherine Drive                            | Collector          |   |
| Broadwater Point Road          |          | Broadwater Road   | Terminus near Carrs Creek                        | Collector          |   |
| Broadwater Road                |          | MD 256 (Deale Churchton Road)                                       | Broadwater Point Road                            | Collector          |   |
| Broadwater Road                |          | Mago Vista Road   | Willys Drive                                     | Collector          |   |
| Brock Bridge Road              |          | AA County Line near Patuxent River                                  | MD 175 (Jessup Road)                             | Minor Arterial     | 1. Proposed: Extend existing roadway to Race Road   |
| Brooks Wood Road               |          | MD 259 (Greenock Road)  | MD 258 (Bay Front Road West)                     | Collector          |   |
| Browns Wood Road               |          | MD 179 (Saint Margarets Road)                                       | Orchard Beach Road                               | Collector          |   |
| Burns Crossing Road            |          | MD 175 (Annapolis Road)   | WB & A Road                                      | Minor Arterial     |   |
| Buschs Frontage Road           |          | US 50 (Blue Star Memorial Highway)                                  | MD 179 (Saint Margarets Road)                    | Collector          |   |
| Buttonwood Trail               |          | Spruce Trail  | Terminus near Little Round Bay                   | Collector          |   |
| Bywater Road                   |          | Forest Drive  | Annapolitan Lane                                 | Collector          |   |
| Cabover Drive                  |          | Old Telegraph Road  | Connelly Drive                                   | Collector          |   |
| Caddle Creek Road              |          | Carrs Wharf Road  | Terminus near Caddle Creek                       | Collector          |   |
| Camp Meade Road North          | MD 170   | I-695 (Baltimore Beltway)   | MD 648 (Baltimore Annapolis Blvd)                | Principal Arterial |   |
| Camp Meade Road South          | MD 170   | MD 170 (Aviation Boulevard)   | I-695 (Baltimore Beltway)                        | Principal Arterial |   |
| Cannon Ridge Avenue            |          |   |  | Collector          |   |
| Cape Saint Claire Road         | MD 179   | Holly Drive   | Hilltop Road                                     | Minor Arterial     | 1. Change to Collector north of College Parkway   |
| Cape Saint Claire Road         |          | Hilltop Road  | River Bay Road                                   | Collector          |   |
| Carriage Drive                 |          | Disney Road   | Severn Road                                      | Collector          |   |
| Carrollton Road                |          | Bay Ridge Road  | Terminus near Lands End                          | Collector          |   |
| Carrs Wharf Road               |          | MD 214 (Central Avenue East)  | Terminus near Carrs Wharf                        | Collector          |   |
| Carson Cove                    |          | Constellation Drive   | Terminus near South River                        | Collector          |   |
| Catherine Avenue               |          | MD 648 (Baltimore Annapolis Blvd)                                   | MD 177 (Mountain Road)                           | Minor Arterial     |   |
| Catherine Avenue               |          | MD 177 (Mountain Road)  | Duval Highway                                    | Collector          |   |
| Catrina Lane                   |          | Bay Ridge Road/ Chrisland Drive                                     | Bay Ridge Drive                                  | Collector          |   |
| Cecil Avenue                   |          | Severn Chapel Road  | Whisper Drive                                    | Collector          |   |
| Cedar Drive                    |          | Christopher Way   | Terminus near Beards Point                       | Collector          |   |
| Cedar Hill Lane                |          | MD 2 (Governor Ritchie Highway)                                     | AA County Line with City of Baltimore            | Local              | 1. Show extension to AA County Line on map<br>2. Collector  |
| Cedarhurst Road                |          | MD 468 (Shady Side Road)  | Spring Avenue                                    | Collector          |   |
| Center Drive                   |          | Severn Road   | Benfield Road                                    | Collector          |   |
| Center Drive                   |          | Oakdale Circle  | Springdale Drive                                 | Collector          |   |
| Central Avenue                 |          | MD 3 (Robert Crain Highway)   | MD 176 (Dorsey Road)                             | Collector          |   |
| Central Avenue East            | MD 214   | MD 2 (Solomons Island Road)   | Triton Beach Road                                | Principal Arterial | 1. Change to Minor Arterial east of MD 468 (Muddy Creek Rd)   |
| Central Avenue East/ Mayo Road | MD 214   | MD 214 (Central Avenue East)/ Fords Landing Road/ Triton Beach Road | Shesley Road                                     | Principal Arterial | 1. Change to Collector  |
| Central Avenue West            | MD 214   | AA County Line near Patuxent River                                  | MD 2 (Solomons Island Road)                      | Principal Arterial |   |
| Chalet Drive                   |          | Brandon Drive   | Rebecca Ann Court                                | Collector          |   |
| Chalk Point Road               |          | MD 468 (Muddy Creek Road)   | Back Bay Beach Road                              | Collector          |   |
| Chapelgate Drive               |          | Waugh Chapel Road   | Williamsburg Lane                                | Collector          |   |
| Chapman Road                   |          | Riedel Road   | Walden Drive                                     | Collector          |   |
| Charter Oaks Boulevard         |          | MD 175 (Annapolis Road)   | Cannon Ball Way                                  | Collector          | 1. Change to Minor Arterial from MD 175 to Proposed OTC Blvd  |
| Chelmsford Drive               |          | Riedel Road   | Houndhill Road                                   | Collector          |   |
| Chesapeake Avenue              |          | MD 181 (Bay Ridge Avenue)   | 6th Street                                       | Minor Arterial     |   |
| Chesapeake Beach Road          | MD 260   | AA County Line near Sansbury Road                                   | MD 2 (Solomons Island Road)                      | Minor Arterial     |   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME            | ROAD NUM | LOCATION                                       |   | CLASSIFICATION     | 2008 GDP Proposed Changes   |
|-------------------------|----------|--|---|--------------------|---|
|                         |          | FROM   | TO  |                    |   |
| Chesapeake Center Drive |          | MD 710 (West Ordinance Road)                   | Terminus near Chesapeake Centre Shopping Center | Local              | 1. Proposed: Extend Chesapeake Center Drive to Dover Road<br>2. Change to Collector   |
| Chesapeake Drive        |          | Oakwood Road                                   | Brentwood Road                                  | Collector          |   |
| Chesterfield Road       |          | Saint Stephens Church Road                     | Crownsville Road                                | Collector          |   |
| Chestnut Tree Drive     |          | Green Holly Drive                              | Hilltop Drive                                   | Collector          |   |
| Childs Point Road       |          | Woods Road                                     | Terminus near Childs Point                      | Collector          |   |
| Chinquapin Round Road   | MD 665   | MD 665 (Aris Allen Boulevard)/ Forest Drive    | MD 450 (West Street)                            | Local              | 1. Change to Collector from Fairfax Road to MD 665/ Forest Drive  |
| Church Road             |          | Baltimore Annapolis Boulevard                  | Jones Station Road                              | Collector          |   |
| Church Street           | MD 171   | MD 2 (Governor Ritchie Highway)                | AA County Line near Disney Avenue               | Minor Arterial     |   |
| Citadel Drive           |          | Disney Road                                    | Severn Road                                     | Collector          |   |
| Clark Road              |          | MD 713 (Ridge Road)                            | MD 175 (Annapolis Road)                         | Collector          | 1. Show proposed changes per Severn Small Area Plan<br>2. Change to Minor Arterial from MD 175 to Mill Stone Parkway Extended<br>3. Remove roadway segment from Watts Avenue to MD 713 (**Existing condition) |
| Clark Station Road      |          | WB & A Road                                    | MD 174 (Donaldson Avenue)                       | Collector          |   |
| Clubhouse Gate Road     |          | MD 3 (Robert Crain Highway)                    | Crofton Parkway                                 | Collector          |   |
| Coachway                |          | Sherwood Forest Road                           | Terminus near Brewer Creek                      | Collector          |   |
| Coca-Cola Drive         |          | MD 103 (Dorsey Road)                           | AA County Line near Park Circle Drive           | Local              | 1. Change to Minor Arterial   |
| Cohasset Avenue         |          | Ellis Road                                     | Magnolia Avenue                                 | Collector          |   |
| College Avenue          | MD 450   | Church Circle                                  | MD 450 (King George Street)                     | Principal Arterial |   |
| College Parkway         |          | MD 2 (Governor Ritchie Highway)                | Old Cape Saint Claire Road/ Peregoy Park Place  | Minor Arterial     |   |
| College Parkway East    |          | Old Cape Saint Claire Road/ Peregoy Park Place | State Park Road                                 | Collector          | 1. Change to Minor Arterial   |
| Colony Road             |          | Terminus near Woodland Beach                   | MD 173 (Fort Smallwood Road)                    | Collector          |   |
| Columbia Beach Road     |          | MD 468 (Shady Side Road)                       | Terminus near Franklin Point Park               | Collector          |   |
| Compromise Street       |          | Duke of Gloucester Street                      | Main Street/ Randall Street                     | Minor Arterial     |   |
| Connelly Drive          |          | MD 176 (Dorsey Road)                           | Connelly Court                                  | Collector          |   |
| Constellation Drive     |          | Saint George Barber Road                       | Carson Cove                                     | Collector          | 1. Change to Local roadway north of Santa Maria Lane  |
| Contees Wharf Road      |          | MD 468 (Muddy Creek Road)                      | Terminus at Contees Wharf                       | Collector          |   |
| Conway Road             |          | Terminus near RR Line                          | Patuxent Road/ Myers Station Road               | Collector          |   |
| Conway Road             |          | Patuxent Road/ Myers Station Road              | MD 3 (Robert Crain Highway)                     | Minor Arterial     |   |
| Coover Road             |          | Harry S Truman Parkway                         | Terminus near Broad Creek                       | Collector          |   |
| Corbin Parkway          |          | MD 178 (Generals Highway)                      | Terminus near Shively Court                     | Collector          |   |
| Corporate Center Drive  |          | Stoney Run Road                                | Ridge Road                                      | N/A                | 1. Collector  |
| Cottonwood Drive        |          | Balsam Drive                                   | Balsam Drive                                    | Collector          |   |
| Country Club Drive      |          | MD 270 (East Furnace Branch Road)              | Terminus near Marley Creek                      | Collector          |   |
| Countryside Drive       |          | Tick Neck Road                                 | Edwin Raynor Boulevard                          | Local              | 1. Change to Collector  |
| Coybay Drive            |          | Annapolitan Lane                               | Pearson Point/ Caleb Lane                       | Collector          |   |
| Crain Highway           | MD 3     | I-97 (Glen Burnie Bypass)                      | MD 2 (Governor Ritchie Highway)                 | Minor Arterial     |   |
| Crain Highway           | MD 3     | AA County Line near Patuxent River             | I-97 (Glen Burnie Bypass)                       | Principal Arterial | 1. Proposed interchange at MD 3 and Waugh Chapel Road<br>2. Proposed interchange at MD 3 and MD 450   |
| Crawford Boulevard      |          | MD 3 (Robert Crain Highway)                    | Crofton Parkway                                 | Collector          |   |
| Crofton Boulevard       |          | MD 3 (Robert Crain Highway)                    | Terminus  | Collector          |   |
| Crofton Lane            |          | Crofton Boulevard                              | Cofton Lane                                     | Collector          |   |
| Crofton Parkway         |          | Urby Drive                                     | Urby Drive                                      | Collector          |   |
| Cromwell Park Drive     |          | MD 162 (Aviation Boulevard)                    | I-97 (Glen Burnie Bypass)                       | Local              | 1. Change to Principal Arterial   |
| Crownsville Road        |          | MD 450 (Defense Highway)                       | MD 178 (Generals Highway)                       | Minor Arterial     |   |
| Crystal Palace Lane     |          | Mansion House Crossing Road                    | Tick Neck Road                                  | Collector          |   |
| Cumberstone Road        |          | MD 468 (Muddy Creek Road)                      | Terminus near Locust Point                      | Collector          |   |
| Cypress Creek Road      |          | MD 2 (Solomons Island Road)                    | Terminus near Cypress Creek                     | Collector          |   |
| D Street                |          | 4th Street                                     | Central Avenue                                  | Collector          |   |
| Dairy Farm Road         |          | Waugh Chapel Road                              | MD 175 (Annapolis Road)                         | Minor Arterial     |   |
| Dartmouth Street        |          | Chesapeake Drive                               | Cove Drive                                      | Collector          |   |
| Davidsonville Road      | MD 424   | MD 3 (Robert Crain Highway)                    | MD 214 ( Central Avenue West)                   | Minor Arterial     |   |
| De Franceaux Way        |          | Elizabeth Landing Way                          | Marbelhead Way                                  | Collector          |   |
| Deale Beach Road        |          | MD 256 (Deale Churchton Road)                  | Cedar Drive                                     | Collector          |   |
| Deale Churchton Road    | MD 256   | MD 468 (Shady Side Road)                       | MD 258 (Bay Front Road East)                    | Principal Arterial |   |
| Deale Churchton Road    | MD 256   | MD 258 (Bay Front Road East)                   | MD 256 (Deale Road)/ Masons Beach Road          | Minor Arterial     |   |
| Deale Road              | MD 256   | MD 256 (Deale Churchton Road)                  | MD 2 (Solomons Island Road)                     | Minor Arterial     |   |
| Deep Cove Road          |          | MD 468 (Shady Side Road)                       | Terminus near Franklin Point Park               | Collector          |   |
| Defense Highway         | MD 450   | MD 3 (Robert Crain Highway)                    | MD 178 (Generals Highway)                       | Minor Arterial     |   |
| Delaware Avenue         |          | MD 2 (Governor Ritchie Highway)                | Carroll Road                                    | Collector          |   |
| Dent Road               |          | MD 468 (Shady Side Road)                       | Terminus near Franklin Point Park               | Collector          |   |
| Dicus Mill Road         |          | Burns Crossing Roads                           | Najoles Road                                    | Collector          |   |
| Disney Road             |          | MD 175 (Annapolis Road)                        | LaSalle Place                                   | Collector          | 1. Change to Minor Arterial   |
| Donald Avenue           |          | MD 170 (Telegraph Road)                        | Clark Station Road                              | Collector          |   |
| Donaldson Avenue        | MD 174   | MD 170 (Telegraph Road)                        | Quaterfield Road                                | Minor Arterial     |   |
| Dorado Drive            |          | Bay Green Drive                                | Bellerive Road                                  | Collector          |   |
| Dorsey Ridge Road       |          | Airport 100 Way                                | Ridge Road                                      | Local              | 1. Change to Collector  |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME              | ROAD NUM | LOCATION                               |   | CLASSIFICATION     | 2008 GDP Proposed Changes   |
|---------------------------|----------|--|---|--------------------|---|
|                           |          | FROM                                   | TO  |                    |   |
| Dorsey Road               | MD 103   | AA County Line near Old Jessup Road    | Terminus near MD 295 (Baltimore Washington Parkway) | Collector          |   |
| Dorsey Road               | MD 176   | Abraham Road                           | Ridge Road  | Collector          | 1. Change to Minor Arterial from New Ridge Road to Ridge Road   |
| Dorsey Road               | MD 176   | Ridge Road                             | MD 648 (Baltimore Annapolis Blvd)                   | Minor Arterial     | 1. Change to Principal Arterial from MD 170 to MD 162   |
| Dorsey Road Extended      |          | Terminus near Piney Run                | Abraham Road  | Collector          | 1. Proposed: Extend existing roadway to the east to connect to Smith Farm Road<br>2. Proposed: New roadway to connect towards the north to Hanover Road |
| Double Gate Road          |          | Patuxent River Road                    | MD 424 (Davidsonville Road)                         | Collector          |   |
| Dover Road                |          | MD 2 (Governor Ritchie Highway)        | MD 10 (Arundel Expressway)                          | Minor Arterial     | 1. Change to Collector<br>2. Proposed: Extend existing roadway to connect to Baymeadow Dr and Dover Rd  |
| Dover Road                |          | Baymeadow Drive                        | Terminus near Sullivan Park                         | Collector          |   |
| Drexel Drive              |          | Kinder Drive                           | Pasadena Road                                       | Collector          |   |
| Drum Point Road           |          | Terminus at Drum Point                 | Deale Road  | Collector          |   |
| Duke of Gloucester Street |          | Church Circle                          | Compromise Street                                   | Minor Arterial     |   |
| Duke of Kent Street       |          | Crofton Parkway                        | MD 424 (Davidsonville Road)                         | Collector          |   |
| Duvall Highway            |          | Outing Avenue                          | MD 173 (Fort Smallwood Road)                        | Collector          |   |
| Eagle Hill Road           |          | Terminus near Blackhole Creek          | Shady Lane  | Collector          |   |
| Earleigh Heights Road     |          | Jumpers Hole Road                      | MD 2 (Governor Ritchie Highway)                     | Collector          | 1. Change to Minor Arterial   |
| East Drive                |          | Center Drive                           | Benfield Road                                       | Collector          |   |
| East West Boulevard       |          | Veterans Highway                       | MD 2 (Governor Ritchie Highway)                     | Minor Arterial     |   |
| Eastway                   |          | Terminus near Marley Creek             | Amberly Road  | Collector          |   |
| Ed Prout Road             |          | Sands Road                             | MD 408 (Mount Zion Marlboro Road)                   | Collector          |   |
| Edwin Raynor Boulevard    |          | MD 607 (Magothy Bridge Road)           | MD 173 (Fort Smallwood Road)                        | Minor Arterial     |   |
| Elizabeth Landing Way     |          | MD 173 (Fort Smallwood Road)           | De Franceaux Way                                    | Collector          |   |
| Elizabeth Road            |          | MD 177 (Mountain Road)                 | MD 607 (Hog Neck Road)                              | Collector          |   |
| Elizabeth Road            |          | Cody Drive                             | Ridgley Road  | Collector          | 1. Change to Local Roadway from Cody Drive to Phrine Road W   |
| Elizabeth Road            |          | Eastway                                | Amberly Road  | Collector          |   |
| Elkridge Landing Road     |          | MD 170 (Aviation Boulevard)            | Winterson Road                                      | Minor Arterial     | 1. Change to Collector from Nursery Road West to Winterson Road   |
| Elmhurst Road             |          | Locust Wood Road                       | MD 174 (Quarterfield Road)                          | Collector          |   |
| Elvation Road             |          | Hospital Drive                         | Oakwood Road  | Collector          |   |
| Elvation Road             |          | Oakwood Road                           | Jumpers Hole Road                                   | Collector          |   |
| Energy Parkway            |          | Solley Road                            | MD 173 (Fort Smallwood Road)                        | Collector          | 1. Proposed: Extend existing roadway to Marley Neck Boulevard   |
| Epping Forest Road        |          | MD 178 (Generals Highway)              | Epping Way  | Collector          |   |
| Epping Way                |          | Epping Forest Road                     | Epping Circle                                       | Collector          |   |
| Evergreen Road            |          | Robinson Road                          | MD 648 (Baltimore Annapolis Blvd)                   | Minor Arterial     |   |
| Evergreen Road            |          | Sunrise Beach Road                     | Terminus at Sunrise Beach                           | Collector          |   |
| Fairfax Road              |          | Forest Drive                           | Chinquapin Round Road                               | Minor Arterial     | 1. Change to Collector  |
| Fairhaven Road            | MD 423   | MD 2 (Solomons Island Road)            | MD 261 ( Friendship Road)                           | Minor Arterial     |   |
| Fallsway Drive            |          | Tilghman Drive                         | Underwood Road                                      | Collector          |   |
| Farnborn Street           |          | Crofton Parkway                        | MD 424 (Davidsonville Road)                         | Collector          |   |
| Farragut Road             |          | Herndon Avenue                         | Bay Drive   | Collector          |   |
| Farrell Street            |          | Crofton Parkway                        | MD 424 (Davidsonville Road)                         | Collector          |   |
| Ferguson Road             |          | Bay Dale Drive                         | Old Mill Bottom Road                                | Minor Arterial     |   |
| Ferndale Road             |          | MD 162 (Aviation Boulevard)            | Broadview Boulevard                                 | Collector          |   |
| Ferry Point Road          |          | Terminus near Ferry Point              | Harness Creek Road                                  | Collector          |   |
| Fischers Station Road     |          | MD 4 (Southern Maryland Boulevard)     | MD 258 (Bay Front Road West)                        | Collector          |   |
| Forest Avenue             |          | Montevideo Road                        | MD 103 (Dorsey Road)                                | Collector          |   |
| Forest Beach Road         |          | Browns Wood Road                       | Terminus near Martins Cove                          | Collector          |   |
| Forest Drive              |          | Riva Road                              | Fairfax Road  | Minor Arterial     | 1. Change to Collector from MD 2 to Fairfax Road  |
| Forest Drive              |          | Chinquapin Round Road                  | Hilltop Lane  | Principal Arterial |   |
| Forest Drive              |          | Hilltop Lane                           | Hillsmere Drive                                     | Minor Arterial     |   |
| Forest Glen Drive         |          | MD 177 (Mountain Road)                 | Terminus near Mathias Cove                          | Collector          |   |
| Forest Hill Avenue        | MD 788   | Forest Drive                           | MD 181 (Bay Ridge Avenue)                           | Minor Arterial     | 1. Change to Collector  |
| Forked Creek Road         |          | Terminus near Forked Creek             | Shore Acres Road                                    | Collector          |   |
| Fort Smallwood Road       | MD 173   | AA County Line near Fort Amistead Road | Terminus at City of Baltimore Fort Smallwood Park   | Minor Arterial     | 1. Change to Collector north of Bayside Beach Road  |
| Francis Road              |          | Nabs Creek Road                        | Beauty Beach Road                                   | Collector          |   |
| Franklin Boulevard        |          | Chesapeake Drive                       | Gwynne Avenue                                       | Collector          |   |
| Franklin Boulevard        |          | Chesapeake Drive                       | Fairfax Avenue                                      | Collector          |   |
| Franklin Gibson Road      |          | Leitch Road                            | MD 258 (Bay Front Road East)                        | Collector          |   |
| Franklin Manor Road       |          | MD 256 (Deale Churchton Road)          | Battee Drive  | Collector          |   |
| Freetown Road             |          | MD 177 (Mountain Road)                 | New Freetown Road                                   | Local              | 1. Change to Collector  |
| Freetown Road             |          | Spencer Road                           | Solley Road   | Collector          |   |
| Friendship Road           | MD 261   | MD 2 (Solomons Island Road)            | Driveway to Rose Haven Harbor                       | Minor Arterial     |   |
| Furnace Avenue            |          | Ridge Road                             | Furnace Road/River Road                             | Collector          |   |
| Furnace Branch Road       |          | MD 648 (Baltimore Annapolis Blvd)      | MD 3 (Robert Crain Highway)                         | Minor Arterial     |   |
| Furnace Branch Road       | MD 270   | MD 3 (Robert Crain Highway)            | MD 648 (Baltimore Annapolis Blvd)                   | Minor Arterial     |   |
| Furnace Road              |          | Furnace Avenue                         | River Road  | Collector          |   |
| Galesville Road           | MD 255   | MD 468 (Muddy Creek Road)              | Woodfield Road                                      | Collector          |   |
| Gambrills Road            |          | MD 175 (Annapolis Road)                | New Cut Road  | Minor Arterial     |   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                   | ROAD NUM | LOCATION                                     |  | CLASSIFICATION     | 2008 GDP Proposed Changes  |
|--------------------------------|----------|--|--|--------------------|--|
|                                |          | FROM   | TO                                       |                    |  |
| Generals Highway               | MD 178   | MD 3 (Robert Crain Highway) NB On-Ramp       | MD 450 (Defense Highway/West Street)     | Principal Arterial | 1. Change to Minor Arterial from MD 3 NB On-Ramp to I-97 Exit 5 Ramps                            |
| Georgia Avenue                 |          | Linden Lane                                  | Kent Road                                | Collector          |  |
| Glebe Drive                    |          | Laurel Avenue                                | Beach Drive                              | Collector          |  |
| Glebe Heights Drive            |          | Loch Haven Road                              | Laurel Avenue                            | Collector          |  |
| Glen Isle Road                 |          | Riva Road                                    | Christopher Way                          | Collector          |  |
| Golfers Ridge Road             |          | Harry S Truman Parkway                       | Terminus near Heritage Harbour CC        | Collector          |  |
| Good Hope Drive                |          | MD 450 (Defense Highway)                     | Urby Drive                               | Collector          |  |
| Governor Bridge Road           |          | AA County Line near Patuxent River           | Riva Road                                | Collector          |  |
| Governor Ritchie Highway       | MD 450   | MD 179 (Saint Margarets Road)                | US 50 (Revell Highway)                   | Principal Arterial |  |
| Governor Ritchie Highway       | MD 2     | US 50 (Revell Highway)                       | MD 170 (Bell Grove Road)/ Hanover Street | Principal Arterial | 1. Proposed interchange at MD 2 and College Parkway<br>2. Proposed interchange at MD 2 and MD 10 |
| Governor William Stone Parkway |          | Benfield Road                                | East West Boulevard                      | Collector          | 1. Change to Minor Arterial  |
| Green Holly Drive              |          | College Parkway                              | Terminus at Green Holly Circle           | Collector          |  |
| Green Knoll Boulevard          |          | Harmos Road                                  | Terminus near Ridge Commons              | Collector          |  |
| Greenbriar Lane                |          | Forest Drive                                 | Terminus near Crab Creek                 | Collector          |  |
| Greenbury Point Road           |          | MD 648 (Balitmore Annapolis Blvd)            | Providence Road                          | Collector          |  |
| Greenock Road                  | MD 259   | MD 4 (Southern Maryland Boulevard)           | MD 408 (Mount Zion Marlboro Road)        | Minor Arterial     |  |
| Greenway Road SE               |          | Aquahart Road                                | M Street                                 | Collector          |  |
| Greenwood Street               |          | Hammond Lane                                 | MD 677 (Odenton Road)                    | Collector          |  |
| Grenock Drive                  |          | MD 408 (Mount Zion Marlboro Road)            | Trailing Arbutus Court                   | Collector          |  |
| Grover Road                    |          | New Cut Road                                 | Brightview Drive                         | Collector          |  |
| Guilford Road                  |          | AA/Howard County Line near Brock Bridge Road | National Business Parkway                | Local              | 1. Change to Collector   |
| Gwynne Avenue                  |          | Battee Drive                                 | Franklin Boulevard                       | Collector          |  |
| Hall Road                      |          | Hine Road                                    | Plum Terrace                             | Collector          |  |
| Hammarlee Road                 |          | MD 270 (East Furnace Branch Road)            | Larrimore Drive                          | Collector          |  |
| Hammonds Ferry Road N & S      |          | Andover Road                                 | AA County Line near Patapsco River       | Minor Arterial     |  |
| Hammonds Lane                  |          | MD 648 (Balitmore Annapolis Blvd)            | MD 2 (Governor Ritchie Highway)          | Minor Arterial     |  |
| Hampton Road                   |          | Blue Ridge Drive                             | River Bay Road                           | Collector          |  |
| Hampton Road                   |          | Terminus near Overlook Elementary School     | Nursery Road                             | Collector          |  |
| Hanover Road                   |          | AA County Line near Deep Run                 | Ridge Rd                                 | Minor Arterial     | 1. Proposed: Connect Hanover Road between Ridge Road and New Ridge Road                          |
|                                |          |  |  |                    | 2. Change to Principal Arterial from MD 295 and MD 170   |
|                                |          |  |  |                    | 3. Show proposed SHA improvements  |
|                                |          |  |  |                    | 4. Proposed interchange at Hanover Road and MD 295   |
|                                |          |  |  |                    | 5. Proposed interchange at Hanover Road and MD 170   |
| Harbor Drive                   |          | Hillsmere Drive                              | Green Spring Drive                       | Collector          |  |
| Harford Road                   |          | New Jersey Avenue                            | Delaware Avenue                          | Collector          |  |
| Harmans Road                   |          | Severn Road                                  | MD 176 (Dorsey Road)                     | Minor Arterial     |  |
| Harness Creek Road             |          | MD 387 (Spa Road)/ Ferry Point Road          | Terminus near Persimmon Point            | Collector          |  |
| Harness Creek View Drive       |          | Harness Creek Road                           | Terminus near Harness Creek Overlook     | Collector          |  |
| Harry S Truman Parkway         |          | South Haven Drive                            | Riva Road                                | Minor Arterial     |  |
| Harry S Truman Parkway         |          | Riva Road                                    | Admiral Cochrane Drive                   | Local              | 1. Change to Minor Arterial  |
| Harwood Road                   |          | Sands Road                                   | MD 2 (Solomons Island Road)              | Collector          |  |
| Hawkins Road                   |          | Chesterfield Road                            | Crownsville Road                         | Collector          |  |
| Herald Harbor Road             |          | MD 178 (Generals Highway)                    | Hine Terrace                             | Collector          |  |
| Heritage Hill Drive            |          | Ordinance Road                               | Ordinance Road                           | Collector          |  |
| Herndon Avenue                 |          | Bay Ridge Road/ Farragut Road                | Bay Drive                                | Collector          |  |
| Hickory Point Road             |          | Terminus near Hickory Point                  | MD 177 (Mountain Road)                   | Collector          |  |
| Highview Road                  |          | Highview Road                                | Shore Drive                              | Collector          |  |
| Highview Road                  |          | Franklin Gibson Road                         | Shore Drive                              | Collector          |  |
| Hillsmere Drive                |          | Forest Drive/ Bay Ridge Road                 | Bay View Drive                           | Collector          |  |
| Hilltop Drive                  |          | Mountain Top Drive                           | Cape Saint Claire Road                   | Collector          | 1. Change to Local roadway from Mountain Top Drive to Blue Ridge Drive                           |
| Hilltop Lane                   |          | Forest Drive                                 | MD 387 (Spa Road)                        | Local              | 1. Change to Minor Arterial  |
| Hilltop Road                   |          | MD 173 (Fort Smallwood Road)                 | Lighthouse Court                         | Local              | 1. Change to Collector   |
| Hog Farm Road                  |          | Heatherfield Lane                            | MD 3 (Robert Crain Highway)              | Collector          |  |
| Hog Neck Road                  | MD 607   | MD 177 (Mountain Road)                       | MD 173 (Fort Smallwood Road)             | Minor Arterial     |  |
| Holiday Street                 |          | Greenwood Street                             | MD 677 (Odenton Road)                    | Collector          |  |
| Hollins Ferry Road             |          | MD 162 (Aviation Boulevard)                  | Broadview Boulevard                      | Collector          |  |
| Holly Road                     |          | MD 214 (Central Avenue East)                 | Terminus near White Marsh                | Collector          |  |
| Honeysuckle Lane               |          | Crownsville Road                             | MD 178 (Generals Highway)                | Collector          |  |
| Hospital Drive                 |          | MD 3 (Robert Crain Highway)                  | Terminus near Mall Road                  | Minor Arterial     | 1. Proposed: Extend Hospital Drive to East-West Boulevard to align w/ Governor Stone Pkwy        |
| Housley Road                   |          | MD 450 (Defense Highway)                     | MD 178 (Generals Highway)                | Minor Arterial     |  |
| Howard Grove Road              |          | Saint George Barber Road                     | Malvern Hill Drive                       | Local              | 1. Change to Collector   |
| Huntwood Drive                 |          | MD 450 (Defense Highway)                     | Mount Tabor Road                         | Collector          |  |
| Idlewild Road                  |          | Snug Harbor Road                             | Winters Avenue                           | Collector          |  |
| Indian Landing Road            |          | MD 178 (Generals Highway)                    | Terminus near Indian Landing             | Collector          |  |
| Indian Summer Drive            |          | Waugh Chapel Road                            | Terminus near Odenton Natural Area       | Collector          |  |
| International Drive            |          | Aero Drive                                   | Winterson Road                           | Local              | 1. Change to Collector   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME             | ROAD NUM | LOCATION  |   | CLASSIFICATION     | 2008 GDP Proposed Changes  |
|--------------------------|----------|---|---|--------------------|--|
|                          |          | FROM  | TO  |                    |  |
| Jacobs Road              |          | MD 174 (Reece Road)                             | Downey Road   | Collector          | 1. Proposed: Cul-de-Sac roadway and eliminate connection to MD 174<br>2. Change to Local roadway north of western road extension to OTC Blvd<br>3. Change western road extension from Jacobs Road north of Stillmeadows Dr to Collector*** |
| Jennifer Road            |          | MD 178 (Generals Highway)                       | Admiral Drive   | Collector          | 1. Change to Minor Arterial  |
| Jessup Road              | MD 175   | AA County Line near Old Jessup Road             | MD 295 (Baltimore Washington Parkway)                         | Principal Arterial |  |
| Jewell Road              |          | Wilson Road                                     | MD 2 (Solomons Island Road)                                   | Collector          |  |
| John Hopkins Road        |          | MD 3 ( Robert Crain Highway)                    | Saint Stephens Church Road                                    | Minor Arterial     |  |
| Jones Station Road       |          | College Parkway                                 | Bay Dale Drive  | Collector          |  |
| Jones Station Road       |          | College Parkway                                 | College Parkway/ College Manor Drive                          | Collector          |  |
| Joyce Lane West          |          | Terminus near Chase Creek                       | MD 2 (Governor Ritchie Highway)                               | Collector          |  |
| Jumpers Hole Road        |          | Terminus near Whitney's Landing                 | Benfield Road   | Collector          |  |
| Jumpers Hole Road        |          | Benfield Road                                   | MD 177 (Mountain Road)  | Minor Arterial     |  |
| Kent Road                |          | Delaware Avenue                                 | Kent Circle   | Collector          |  |
| Kimwood Road             |          | College Parkway                                 | Birchnest Court   | Collector          |  |
| Kinder Road              |          | Drexel Drive                                    | Jumpers Hole Road   | Collector          |  |
| King George Street       |          | College Avenue                                  | Randall Street  | Minor Arterial     |  |
| King George Street       | MD 450   | Baltimore Boulevard                             | College Avenue  | Principal Arterial |  |
| King Malcom Avenue       |          | Terminus near Anne Avenue                       | MD 677 (Odenton Road)   | Collector          |  |
| Kinkaid Road             |          | Greenbury Point Road                            | Halligan Road   | Local              | 1. Change to Collector   |
| Kuethe Road              |          | MD 2 (Governor Ritchie Highway)                 | New Jersey Avenue   | Collector          |  |
| Kyle Road                |          | Herald Harbor Road                              | Terminus near Kyle Point                                      | Collector          |  |
| Lake Shore Drive         |          | Grachur Road                                    | MD 177 (Mountain Road)  | Collector          |  |
| Lakeshore Drive          | MD 261   | Driveway to Rose Haven Harbor                   | Walnut Avenue   | Minor Arterial     |  |
| Latrobe Drive            |          | Chestnut Tree Drive                             | Lake Claire Drive   | Collector          |  |
| Laurel Avenue            |          | Glebe Heights Drive                             | Glebe Drive   | Collector          |  |
| Laurel Fort Meade Road   | MD 198   | AA County Line near Patuxent River              | MD 32 (Patuxent Freeway)                                      | Principal Arterial |  |
| Layton Street            |          | Crofton Parkway                                 | MD 424 (Davidsonville Road)                                   | Collector          |  |
| Leelyn Drive             |          | MD 2 (Ritchie Highway)                          | McKinsey Road   | Collector          |  |
| Leitch Road              |          | MD 423 (Fairhaven Road)                         | Town Point Road   | Collector          |  |
| Linden Lane NW           |          | Central Avenue                                  | Georgia Avenue  | Collector          |  |
| Little Road              |          | MD 258 (Bay Front Road West)                    | Brooks Wood Road  | Collector          |  |
| Loch Haven Drive         |          | Loch Haven Road                                 | Bay View Point Drive  | Collector          |  |
| Loch Haven Road          |          | MD 214 (Central Avenue East)                    | Loch Haven Drive  | Collector          |  |
| Locust Ridge Lane        |          | College Parkway                                 | Terminus at Woodfield Village                                 | Collector          | 1. Change to Local roadway from Oak Ave./Giddings Ave. to Chestnut Rd.   |
| Log Inn Road             |          | College Parkway                                 | Bay Drive   | Collector          |  |
| London Lane              |          | Saint Andrews Road                              | Lynwood Lane  | Collector          |  |
| Londontown Road          |          | MD 253 (Mayo Road)                              | Almshouse Road  | Collector          |  |
| Long Point Road          |          | 2nd Street                                      | MD 177 (Mountain Road)  | Collector          |  |
| Lower Magothy Beach Road |          | MD 648 (Balitmore Annapolis Blvd)               | Thomas Avenue   | Collector          |  |
| Lower Pindell Road       |          | Pindell Road                                    | MD 794 (Southern Maryland Boulevard)                          | Collector          |  |
| Lynch Drive              |          | Terminus near Forked Creek                      | Bayberry Drive  | Collector          |  |
| Lynwood Drive            |          | Benfield Road                                   | Kinder Road   | Collector          |  |
| Mago Vista Road          |          | Jones Station Road                              | River Road  | Collector          |  |
| Magothy Beach Road       |          | Riverside Drive                                 | MD 177 (Mountain Road)  | Collector          |  |
| Magothy Bridge Road      | MD 607   | MD 2 (Governor Ritchie Highway)                 | MD 177 (Mountain Road)  | Minor Arterial     |  |
| Main Avenue              |          | Park Road                                       | Atlanta Road  | Collector          |  |
| Main Street              | MD 255   | Woodfield Road                                  | Riverside Drive   | Collector          |  |
| Main Street              |          | Church Circle                                   | Randall Street/ Compromise Street                             | Minor Arterial     |  |
| Mallard Lane             |          | Lower Pindell Road                              | Terminus near Patuxent River Natural Resource Management Area | Collector          |  |
| Manhattan Beach Road     |          | Jones Station Road                              | Cypress Road  | Collector          |  |
| Mansion House Crossing   |          | MD 177 (Mountain Road)                          | Kings Bench Place   | Collector          |  |
| Maple Ridge Lane         |          | Lovell Road                                     | Hammond Lane  | Collector          |  |
| Maple Road               |          | Hammonds Ferry Road                             | MD 648 (Balitmore Annapolis Blvd)                             | Collector          |  |
| Margate Drive            |          | MD 270 (East Furnace Branch Road)               | Leymar Road   | Collector          |  |
| Maritime Boulevard       |          | Aero Drive                                      | Hammonds Ferry Road   | Local              | 1. Change to Collector from Hammonds Ferry Rd to Maritime Musuem Property<br>***Roadway becomes private within the Maritime Museum property.   |
| Marlboro Road            |          | AA County Line near Patuxent River              | MD 408 (Mount Zion Marlboro Road)                             | Collector          |  |
| Marley Neck Boulevard    |          | MD 648 (Balitmore Annapolis Blvd)               | MD 173 (Fort Smallwood Road)                                  | Minor Arterial     |  |
| Marley Neck Road         |          | MD 648 (Balitmore Annapolis Blvd)               | Marley Neck Boulevard   | Collector          |  |
| Marley Station Road      |          | MD 2 (Governor Ritchie Highway)                 | MD 648 (Balitmore Annapolis Blvd)                             | Minor Arterial     |  |
| Maryland Avenue          |          | Park Road                                       | Wilmer Place  | Collector          |  |
| Maryland Avenue          |          | Magothy Road                                    | MD 177 (Mountain Road)  | Collector          |  |
| Masons Beach Road        |          | MD 256 (Deale Churchton Road)                   | Frazier Avenue  | Collector          |  |
| Mastline Drive           |          | South Haven Drive/ Clubhouse Village View Drive | South Haven Drive/ Compass Way                                | Collector          |  |
| Mayo Road                | MD 253   | MD 2 (Solomons Island Road)                     | MD 214 ( Central Avenue East)                                 | Minor Arterial     |  |
| Mayo Road                |          | Baylor Road                                     | Old Stage Road  | Minor Arterial     | 1. Change to Collector   |
| Mayo Road                |          | Old Stage Road                                  | MD 3 (Robert Crain Highway)                                   | Minor Arterial     | 1. Change to Collector   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                  | ROAD NUM | LOCATION                                      |   | CLASSIFICATION     | 2008 GDP Proposed Changes  |
|-------------------------------|----------|---|---|--------------------|--|
|                               |          | FROM  | TO  |                    |  |
| Maytime Drive                 |          | Terminus south of April Way                   | Terminus near Horizon Organic Dairy Farm and Education Center | Collector          |  |
| Mckendree Road                |          | Jewell Road                                   | MD 258 (Bay Front Road West)                                  | Collector          |  |
| McKinsey Road                 |          | MD 2 (Solomons Island Road)                   | Chestnut Road   | Collector          | 1. Change to Local roadway from Oak Ave./Giddings Ave. to Chestnut Rd.                   |
| Medical Parkway               |          | Jennifer Road                                 | MD 70 (Bestgate Road)   | Local              | 1. Change to Minor Arterial  |
| Melvin Road                   |          | Terminus near Melvin Point                    | Ferry Point Road  | Collector          |  |
| Metacomet Road                |          | Pometacom Drive                               | MD 713 (Ridge Road)   | Collector          |  |
| Meyers Station Road           |          | Conway Road                                   | Terminus  | Collector          |  |
| Milestone Parkway             |          | Arundel Mills Boulevard                       | Terminus  | Local              | 1. Change to Minor Arterial  |
|                               |          |   |   |                    | 2. Proposed: Extend existing roadway to Clark Road                                       |
| Mill Swamp Road               |          | MD 2 (Solomons Island Road)                   | MD 468 (Muddy Creek Road)                                     | Collector          |  |
| Millersville Road             |          | MD 3 (Robert Crain Highway)                   | MD 178 (Generals Highway)                                     | Minor Arterial     |  |
| Mimosa Cove Road              |          | MD 256 (Deale Churchton Road)                 | Milton Avenue   | Collector          |  |
| Monterey Avenue               |          | June Drive                                    | Murray Road   | Collector          |  |
| Montevideo Road               |          | AA County Line near RR                        | Race Road   | Collector          |  |
| Morgan Road                   |          | Hale Road                                     | Odenton Road  | Local              | 1. Proposed: Connect and convert to proposed Odenton Town Center Blvd extension          |
|                               |          |   |   |                    | 2. Change to Minor Arterial from OTC Blvd extension/Hale Road to MD 175                  |
|                               |          |   |   |                    | 3. Change to Collector from MD 175 to Odenton Road                                       |
| Mount Airy Road               |          | Patuxent River Road                           | MD 424 (Davidsonville Road)                                   | Collector          |  |
| Mount Tabor Road              |          | Underwood Road                                | Huntwood Drive  | Collector          |  |
| Mount Zion Marlboro Road      | MD 407   | Terminus near Patuxent Wetlands Park          | MD 4 (Southern Maryland Boulevard) WB On-Ramp/Main Street     | Minor Arterial     | 1. Change to Collector   |
| Mount Zion Marlboro Road      | MD 408   | MD 4 (Southern Maryland Boulevard) WB On-Ramp | MD 422 (Bayard Road)/ MD 2 (Solomons Island Road)             | Minor Arterial     |  |
| Mountain Road                 | MD 177   | MD 2 (Governor Ritchie Highway)               | MD 10 (Arundel Expressway)                                    | Principal Arterial |  |
| Mountain Road                 | MD 177   | MD 10 (Arundel Expressway)                    | Schmidts Lane   | Minor Arterial     | 1. Change to Principal Arterial from MD 10 to MD 648                                     |
| Mountain Road                 | MD 177   | Schmidts Lane                                 | Pinehurst Road  | Principal Arterial | 1. Change to Minor Arterial east of Maryland Avenue                                      |
| Mountain Road                 | MD 177   | Pinehurst Road                                | Terminus at beginning of Gibson Island Causeway               | Collector          | 1. Change to Minor Arterial  |
| Muddy Creek Road              | MD 468   | MD 214 (Central Avenue East)                  | MD 256 (Deale Churchton Road)                                 | Principal Arterial |  |
| Mulberry Hill Road            |          | Greenbury Point Road                          | Terminus near Martins Cove                                    | Collector          |  |
| Nabs Creek Road               |          | Solley Road                                   | Stoneyview Drive  | Collector          | 1. Proposed: Extend existing roadway to Marley Neck Boulevard                            |
| Najoles Road                  |          | Dicus Mill Road                               | Terminus near Severn Industrial Park                          | Collector          |  |
| National Business Parkway     |          | Guilford Road                                 | Terminus at National Buisness Park                            | Collector          |  |
| New Cut Road                  |          | Burns Crossing Roads                          | I-97 (Glen Burnie Bypass)                                     | Minor Arterial     |  |
| New Disney Road               |          | LaSalle Place                                 | MD 174 (Reece Road)   | Collector          | 1. Change to Minor Arterial  |
| New Freetown Road             |          | Freetown Road                                 | Freetown Road/ Spencer Road                                   | Local              | 1. Change to Collector   |
| New Jersey Avenue             |          | MD 2 (Governor Ritchie Highway)               | Carroll Road  | Collector          |  |
| New Jersey Avenue             |          | Oak Lane NW                                   | MD 3 (Robert Crain Highway)                                   | Local              | 1. Change to Collector   |
| New Ridge Road                |          | MD 100  | Hanover Road (previously called Stoney Run Road)              | Minor Arterial     | 1. Proposed: Extend existing roadway from Hanover Road to Stoney Run Rd                  |
| New Ridge Road                | MD 713   | Arundel Mills Boulevard/ New Ridge Road       | Clark Road  | Minor Arterial     |  |
| Norfolk Road                  |          | Twin Ridge Drive                              | MD 2 (Governor Ritchie Highway)                               | Collector          |  |
| North Shore Road              |          | Ginn Lane                                     | MD 177 (Mountain Road)  | Collector          |  |
| North Shore Road              |          | Solley Road                                   | Terminus near Long Cove                                       | Collector          |  |
| Northwest Street              |          | Clavert Street                                | Church Circle   | Minor Arterial     |  |
| Notley Road                   |          | Kings Bench Place                             | Duvall Highway  | Collector          |  |
| Nursery Road                  | MD 168   | Hammonds Ferry Road                           | MD 648 (Baltimore Annapolis Blvd)                             | Minor Arterial     |  |
| Nursery Road W                |          | Elkridge Landing Road                         | Hammonds Ferry Road   | Minor Arterial     |  |
| Nutwell Road                  |          | Old Ridge Path Lane                           | Nutwell Sudley Road   | Collector          |  |
| Nutwell Sudley Road           |          | MD 258 (Bay Front Road East)                  | Sudley Road   | Collector          |  |
| Oak Lane NW                   |          | Greenway Road                                 | New Jersey Avenue   | Minor Arterial     | 1. Change to Collector   |
| Oak Lane SW                   |          | B Street SW                                   | Greenway  | Local              | 1. Change to Collector   |
| Oakwood Road                  |          | Old Mill Boulevard                            | 5th Avenue Southeast  | Minor Arterial     | 1. Proposed: Extend existing roadway east to Hospital Drive proposed extension           |
| Oakwood Road                  |          | MD 253 (Mayo Road)                            | Shore Drive   | Collector          |  |
| Obrecht Road                  |          | Martin Drive                                  | Jumpers Hole Road   | Collector          | 1. Minor Arterial  |
| Odenton Avenue                |          | MD 175 (Annapolis Road)                       | Odenton Town Center Boulevard                                 | N/A                | 1. Minor Arterial  |
| Odenton Road                  | MD 677   | Piney Orchard Parkway                         | MD 175 (Annapolis Road)                                       | Minor Arterial     |  |
| Odenton Road                  | MD 677   | Patuxent Road                                 | Piney Orchard Parkway   | Collector          |  |
| Odenton Town Center Boulevard |          | Tennis Mill Drive                             | Pinecove Avenue   | Minor Arterial     | 1. Proposed: Extend roadway south to Morgan Rd as per Odenton Small Area Plan            |
|                               |          |   |   |                    | 2. Proposed: Extend roadway north through Reece Rd to connect to 21(1/2) Street extended |
| Old Annapolis Road            |          | Red Clay Road                                 | MD 198 (Laurel Fort Meade Road)                               | Collector          |  |
| Old County Road               |          | MD 648 (Baltimore Annapolis Blvd)             | Evergreen Road  | Collector          |  |
| Old Elkridge Landing Road     |          | Terminus near Winterson Road                  | Furnace Road  | Minor Arterial     | 1. Change to Collector   |
| Old Forest Drive              |          | MD 387 (Spa Road)                             | Forest Drive  | Minor Arterial     | 1. Change to Local roadway   |
| Old Generals Highway          |          | MD 178 (Generals Highway)                     | MD 178 (Generals Highway)                                     | Collector          |  |
| Old Herald Harbor Road        |          | Herald Harbor Road                            | Sunrise Beach Road  | Collector          |  |
| Old Jumpers Hole Road         |          | Jumpers Hole Road                             | Waterford Road  | Minor Arterial     | 1. Change to Collector   |
| Old Line Avenue               |          | MD 198 (Laurel Fort Meade Road)               | Old Line Avenue   | Collector          |  |
| Old Magothy Bridge Road       |          | MD 648 (Baltimore Annapolis Blvd)             | MD 607 (Magothy Bridge Road)                                  | Collector          |  |
| Old Maryland                  | MD 794   | MD 794 (Southern Maryland Boulevard)          | MD 408 (Mount Zion Marlboro Road)                             | Collector          |  |
| Old Mill Bottom Road          |          | Ferguson Road                                 | MD 179 (Saint Margarets Road)                                 | Minor Arterial     |  |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME               | ROAD NUM | LOCATION                                   |  | CLASSIFICATION | 2008 GDP Proposed Changes   |
|----------------------------|----------|--|--|----------------|---|
|                            |          | FROM                                       | TO   |                |   |
| Old Mill Boulevard         |          | Old Mill Road                              | Oakwood Road                               | Minor Arterial |   |
| Old Mill Road              |          | I-97 (Glen Burnie Bypass)                  | Old Mill Boulevard                         | Minor Arterial |   |
| Old Mill Road              |          | MD 170 (Telegraph Road)                    | Burns Crossing Road                        | Collector      |   |
| Old Muddy Creek Road       | MD 790   | MD 468 (Muddy Creek Road)                  | Terminus near Collins Road                 | Collector      | 1. Change to Local roadway  |
| Old Portland Road          |          | River Road                                 | MD 198 (Laurel Fort Meade Road)            | Collector      |   |
| Old Solomons Island Road   | MD 778   | AA County Line near Bella Vista Drive      | MD 2 (Solomons Island Road)                | Minor Arterial |   |
| Old Southern Maryland Road | MD 980   | Wrighton Road                              | Terminus near Lyons Creek                  | Collector      |   |
| Old Stage Road             |          | MD 174 (Quarterfield Road)                 | Mayo Road                                  | Minor Arterial | 1. Change to Collector  |
| Old Stage Road             |          | Mayo Road                                  | Terminus                                   | Minor Arterial | 1. Change to Local roadway  |
| Old Stage Road             |          | Lori Drive                                 | MD 174 (Quarterfield Road)                 | Collector      |   |
| Old Stage Road             |          | MD 176 (Dorsey Road)                       | Thelma Avenue                              | Collector      |   |
| Old Sudley Road            |          | Sudley Road                                | MD 468 (Muddy Creek Road)                  | Collector      |   |
| Old Telegraph Road         |          | MD 176 (Dorsey Road)                       | Terminus near Merriweather                 | Collector      |   |
| Olson Avenue               |          | Holy Cross Road                            | Hammonds Lane                              | Collector      |   |
| Omar Drive                 |          | Whitneys Landing Drive                     | Arden View Place                           | Collector      |   |
| Orchard Avenue             |          | MD 2 (Governor Ritchie Highway)            | AA County Line near 4th Street             | Collector      |   |
| Orchard Road               |          | Tina Court                                 | MD 648 (Baltimore Annapolis Blvd)          | Collector      |   |
| Ordinance Road East        | MD 710   | MD 10 (Arundel Expressway)                 | AA County Line near Curtis Creek           | Minor Arterial |   |
| Ordinance Road West        |          | Furnace Branch Road                        | MD 10 (Arundel Expressway)                 | Minor Arterial |   |
| Outing Avenue              |          | MD 177 (Mountain Road)                     | Duval Highway                              | Collector      |   |
| Owensville Road            | MD 255   | MD 2 (Solomons Island Road)                | MD 468 (Muddy Creek Road)                  | Minor Arterial |   |
| Owensville Sudley Road     |          | MD 2 (Solomons Island Road)                | MD 255 (Owensville Road)                   | Collector      |   |
| Owings Beach Road          |          | Drum Point Road                            | Marshall Avenue                            | Collector      |   |
| Parke West Drive           |          | MD 174 (Quarterfield Road)                 | Covington Avenue                           | Collector      |   |
| Pasadena Road              |          | MD 2 (Governor Ritchie Highway)            | MD 648 (Baltimore Annapolis Blvd)          | Minor Arterial |   |
| Pasadena Road West         |          | Woodland Road                              | MD 2 (Governor Ritchie Highway)            | Collector      |   |
| Pasture Brook Road         |          | Terminus near Quaterfield Farms            | New Cut Road                               | Collector      | 1. Change to Local Roadway from Terminus to Quaterfields Farms Drive  |
| Patuxent Crossover         |          | MD 214 (Central Avenue West)               | Manor View Road                            | Collector      |   |
| Patuxent River Road        |          | Rossback Road                              | Sands Road                                 | Collector      | 1. Change to Minor Arterial   |
| Patuxent River Road        |          | Deer Pass Lane                             | MD 450 (Defense Highway)                   | Collector      |   |
| Patuxent Road              |          | Bridge Connection of Little Patuxent River | Conway Road                                | Minor Arterial |   |
| Patuxent Road              |          | Old Waugh Chapel Road                      | MD 677 (Odenton Road)                      | Collector      |   |
| Peninsula Farm Road        |          | College Parkway                            | Mill Harbor Drive                          | Collector      |   |
| Phrine Road                |          | Elizabeth Road                             | Terminus near Cloverleaf Business Park     | Collector      |   |
| Pike Ridge Road            |          | MD 214 (Central Avenue West)               | MD 2 (Solomons Island Road)                | Minor Arterial |   |
| Pindell Road               |          | Lower Pindell Road/ Upper Pindell Road     | Wrighton Road                              | Collector      |   |
| Pinedale Drive             |          | South Haven Road                           | Terminus near MD 450 (Defense Highway)     | Collector      |   |
| Pinehurst Drive            |          | Locust Cove Road/Chesapeake Bay Drive      | Terminus at Pinehurst Harbour Gates        | Collector      |   |
| Pinehurst Road             |          | MD 177 (Mountain Road)                     | Locust Cove Road/Chesapeake Bay Drive      | Collector      |   |
| Pinewood Drive             |          | South Haven Drive                          | Terminus near Broad Creek                  | Collector      |   |
| Piney Orchard Parkway      |          | MD 175 (Annapolis Road)                    | Bridge Connection of Little Patuxent River | Minor Arterial |   |
| Pioneer Drive              |          | MD 174 (Reece Road)                        | Jacobs Road                                | Local          | 1. Change to Collector  |
| Pleasant Plains Road       |          | MD 179 (Saint Margarets Road)              | Red Cedar Road                             | Collector      |   |
| Pleasantville Drive        |          | West Furnace Branch Road                   | Gordon Drive                               | Collector      |   |
| Plummer Lane               |          | Wrighton Road                              | MD 4 (Southern Maryland Boulevard)         | Collector      |   |
| Pocahantas Drive           |          | Loch Haven Road                            | Terminus near Larkington Cove              | Collector      |   |
| Point Pleasant Road        |          | MD 270 (East Furnace Branch Road)          | 7th Street                                 | Collector      |   |
| Polling House Road         |          | MD 422 (Bayard Road)                       | MD 2 (Solomons Island Road)                | Collector      |   |
| Pometacom Drive            |          | Metacomet Road                             | MD 713 (Ridge Road)                        | Collector      |   |
| Ponder Drive               |          | MD 214 (Central Avenue East)               | Grandview Drive                            | Collector      |   |
| Poplar Ridge Road          |          | Bellhaven Road                             | Terminus near Spit Point                   | Collector      |   |
| Post 40 Road               |          | 5th Street                                 | MD 3 (Robert Crain Highway)                | Collector      |   |
| Powhatan Beach Road        |          | Solley Road                                | Terminus near Eli Cove                     | Collector      |   |
| Preakness Dr               |          | Gambrills Road                             | Heatherfield Lane                          | Local          | 1. Change to Collector  |
| Prout Road                 |          | MD 261 (Friendship Road)                   | AA County Line near Serene Drive           | Collector      |   |
| Providence Road            |          | Mulberry Hill Road                         | Terminus near Martins Cove                 | Collector      |   |
| Quaterfield Farms Drive    |          | Quaterfield Road                           | Pasture Brook Road                         | Local          | 1. Change to Collector from Quaterfield Road to 4-way intersection w/ Pasture Brook Rd                                    |
| Quaterfield Road           | MD 174   | MD 174 (Donaldson Avenue)                  | MD 3 (Robert Crain Highway)                | Minor Arterial |   |
| Quaterfield Road           |          | Clark Station Road                         | MD 174 (Donaldson Avenue)                  | Minor Arterial |   |
| Queen Anne Bridge Road     |          | Patuxent River Road                        | MD 214 (Central Avenue West)               | Collector      |   |
| Queenstown Road            |          | Old Telegraph Road                         | MD 174 (Quarterfield Road)                 | Collector      |   |
| Race Road                  |          | MD 175 (Annapolis Road)                    | Hanover Road                               | Collector      | 1. Proposed: Extend Arundel Mills Interchange ramp to Race Road<br>2. Change to Minor Arterial from MD 175 to Dorsey Road |
| Randall Street             |          | Main Street/ Compromise Street             | King George Street                         | Minor Arterial |   |
| Red Clay Road              |          | Andrew Court                               | MD 198 (Laurel Fort Meade Road)            | Collector      |   |
| Reece Road                 | MD 174   | MD 175 (Annapolis Road)                    | MD 170 (Telegraph Road)                    | Minor Arterial |   |
| Retford Drive              |          | Jumpers Hole Road                          | Hucknall Court                             | Collector      |   |



**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                | ROAD NUM | LOCATION   |  | CLASSIFICATION     | 2008 GDP Proposed Changes                                      |
|-----------------------------|----------|--|--|--------------------|--|
|                             |          | FROM   | TO   |                    |  |
| Ridge Chapel Road           |          | Teague Road  | Harmans Road                                     | Collector          |  |
| Ridge Road                  | MD 713   | Clark Road   | MD 175 (Annapolis Road)                          | Minor Arterial     |  |
| Ridge Road                  |          | New Ridge Road                                     | Ridge Chapel Road                                | Collector          |  |
| Ridge Road                  |          | Ridge Commons Boulevard                            | New Ridge Road                                   | Minor Arterial     | 1. Change to Collector   |
| Ridge Road                  |          | New Ridge Road                                     | Furnace Avenue                                   | Collector          |  |
| Ridgely Avenue              | MD 436   | Wilson Road  | Arundel Place                                    | Collector          |  |
| Ridgely Road                |          | Londontown Road                                    | Shore Drive                                      | Collector          |  |
| Riedel Road                 |          | MD 424 (Davidsonville Road)                        | MD 3 (Robert Crain Highway)                      | Minor Arterial     |  |
| Riggs Avenue                |          | Ridge Road   | Evergreen Road                                   | Collector          |  |
| Riva Road                   |          | MD 214 (Central Avenue West)                       | MD 450 (West Street)                             | Minor Arterial     |  |
| Riva Trace Parkway          |          | Riva Road  | River Crescent Drive                             | Collector          |  |
| River Road                  |          | Furnace Road                                       | Nursery Road                                     | Collector          |  |
| River Road                  |          | Old Portland Road                                  | Terminus at District of Columbia Children Center | Collector          |  |
| River Road                  |          | Old Generals Highway                               | Herald Harbor Road                               | Collector          |  |
| River Clubhouse Road South  |          | MD 2 (Solomons Island Road)                        | MD 468 (Muddy Creek Road)                        | Collector          |  |
| Riverdale Road              |          | MD 648 (Baltimore Annapolis Blvd)                  | Inverness Road                                   | Collector          |  |
| Riverview Avenue            |          | MD 436 (Ridgely Avenue)                            | Terminus near Riverview Manor                    | Collector          |  |
| Riviera Drive               |          | MD 173 (Fort Smallwood Road)                       | Main Avenue                                      | Collector          |  |
| Robinson Road               |          | Benfield Road                                      | MD 2 (Governor Ritchie Highway)                  | Minor Arterial     |  |
| Rockenbach Road             |          | Canine Road  | MD 175 (Annapolis Road)                          | Local              | 1. Change to Minor Arterial                                    |
| Rockhold Creek Road         |          | MD 256 (Deale Road)                                | MD 258 (Bay Front Road East)                     | Local              | 1. Change to Collector   |
| Rock Ridge Road             |          | Terminus near Kinder Farm Park                     | Pasadena Road                                    | Collector          |  |
| Rodgers Road                |          | MD 256 (Deale Churchton Road)                      | Terminus near Broadwater Creek                   | Collector          |  |
| Rolling Road                |          | MD 214 (Central Avenue West)                       | Terminus near Scotts Cove                        | Collector          |  |
| Roscoe Rowe Boulevard       | MD 70    | US 50/301 (John Hanson Highway)                    | Calvert Street                                   | Minor Arterial     |  |
| Rossback Road               |          | Patuxent River Road                                | Rutland Road                                     | Collector          | 1. Change to Minor Arterial from Patuxent River Road to MD 424 |
| Russett Green               |          | MD 198 (Laurel Fort Meade Road)                    | MD 198 (Laurel Fort Meade Road)                  | Collector          |  |
| Rustling Oaks Drive         |          | East West Boulevard                                | Governor William Stone Parkway                   | Collector          |  |
| Rutland Road                |          | MD 424 (Davidsonville Road)                        | MD 450 (Defense Highway)                         | Collector          |  |
| Saint Andrews Close         |          | Saint Andrews Road                                 | Terminus near Chartwell CC                       | Collector          |  |
| Saint Andrews Road          |          | Saint Ives Drive                                   | Saint Andrews Close                              | Collector          |  |
| Saint George Barber Road    |          | Rutland Road                                       | Governor Bridge Road                             | Collector          |  |
| Saint Ives Drive            |          | Benfield Road                                      | Drexel Drive                                     | Collector          |  |
| Saint Margarets Drive       |          | Summit Drive                                       | Broadview Drive                                  | Collector          |  |
| Saint Margarets Road        | MD 179   | MD 648 (Baltimore Annapolis Blvd)                  | Holly Drive                                      | Minor Arterial     |  |
| Saint Stephens Church Road  |          | MD 450 (Defense Highway)                           | MD 3 (Robert Crain Highway)                      | Collector          |  |
| Sands Road                  |          | MD 4 (Southern Maryland Boulevard)                 | Harwood Road                                     | Collector          | 1. Change to Minor Arterial                                    |
| Sansbury Road               |          | AA County Line near MD 260 (Chesapeake Beach Road) | MD 2 (Solomons Island Road)                      | Collector          |  |
| Sappington Station Road     |          | MD 175 (Annapolis Road)                            | MD 32 (Patuxent Freeway)                         | Minor Arterial     |  |
| Selby Boulevard             |          | MD 214 (Central Avenue East)                       | 1st Avenue                                       | Collector          |  |
| Severn Chapel Road          |          | Saint Stephens Church Road                         | Waterbury Road                                   | Collector          |  |
| Severn Grove Road           |          | MD 70 (Bestgate Road)                              | Porters Hill Road                                | Collector          |  |
| Severn Road                 |          | MD 713 (Ridge Road)                                | MD 174 (Reece Road)                              | Minor Arterial     |  |
| Severn Road                 |          | Terminus near Forked Creek                         | Benfield Road                                    | Collector          |  |
| Severn Road                 |          | Woodland Road                                      | Obrecht Road                                     | Collector          |  |
| Severn Tree Boulevard       |          | New Disney Road                                    | Golden Pine Circle                               | Collector          |  |
| Severn Way                  |          | Terminus near Chase Creek                          | Grandview Road                                   | Collector          |  |
| Shady Lane                  |          | Terminus near Blackhole Creek                      | North Shore Road                                 | Collector          |  |
| Shady Oaks Road             |          | MD 468 (Muddy Creek Road)                          | Terminus near Johns Creek                        | Collector          |  |
| Shady Side Road             | MD 468   | MD 256 (Deale Churchton Road)                      | Snug Harbor Road                                 | Minor Arterial     |  |
| Shady Side Road             | MD 468   | Snug Harbor Road                                   | Griner Lane                                      | Collector          |  |
| Sharpsburg Drive            |          | Riva Road  | Riva Road  | Collector          |  |
| Shelly Road                 |          | Ordinance Road                                     | MD 2 (Governor Ritchie Highway)                  | Collector          |  |
| Shelton Road                |          | Kyle Road  | Riverside Drive                                  | Collector          |  |
| Sherwood Forest Road        |          | Old Generals Highway                               | Terminus near Brewer Point                       | Collector          |  |
| Shore Acres Road            |          | College Parkway                                    | Terminus near Lake Placid                        | Collector          |  |
| Shoreham Beach Road         |          | Triton Beach Road                                  | Pennington Court                                 | Collector          |  |
| Skidmore Drive              |          | Whitehall Road                                     | State Park Road                                  | Collector          |  |
| Snow Valley Lane            |          | Indian Summer Drive                                | Dairy Farm Road                                  | Collector          |  |
| Snug Harbor Road            |          | MD 468 (Shady Side Road)                           | Cedar Lane                                       | Collector          |  |
| Solley Road                 |          | MD 177 (Mountain Road)                             | MD 173 (Fort Smallwood Road)                     | Minor Arterial     |  |
| Solomons Island Road        | MD 2     | MD 260 (Chesapeake Beach Road)                     | US 50/301 (John Hanson Highway) NB On-Ramp       | Principal Arterial |  |
| South Haven Road            |          | Mastline Drive                                     | MD 450 (Defense Highway)                         | Minor Arterial     |  |
| South Haven Road            |          | South Haven Drive                                  | Mastline Drive                                   | Collector          |  |
| South Polling House Road    |          | MD 422 (Bayard Road)                               | Polling House Road                               | Collector          |  |
| Southdown Road              |          | MD 2 (Solomons Island Road)                        | Decker Place                                     | Collector          |  |
| Southern Maryland Boulevard | MD 4     | AA County Line near Patuxent River                 | MD 258 (Bay Front Road West)                     | Principal Arterial |  |

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Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME                | ROAD NUM | LOCATION                                |   | CLASSIFICATION     | 2008 GDP Proposed Changes  |
|-----------------------------|----------|---|---|--------------------|--|
|                             |          | FROM                                    | TO  |                    |  |
| Southern Maryland Boulevard | MD 794   | MD 258 (Bay Front Road West)            | Terminus at AA County Line near Lyons Creek | Principal Arterial |  |
| Southview Drive             |          | Chestnut Tree Drive                     | Marine Drive                                | Collector          |  |
| Spa Road                    | MD 387   | Harness Creek Road                      | West Street                                 | Minor Arterial     | 1. Change to Collector from Forest Drive to Ferry Point Rd/ Harness Creek Rd |
| Spencer Road                |          | Freetown Road                           | Marley Neck Road                            | Collector          |  |
| Spring Lakes Drive          |          | Saint George Barber Road                | Eagle Passages Court                        | Collector          |  |
| Steamboat Road              |          | MD 468 (Shady Side Road)                | Terminus near West River                    | Collector          |  |
| Stehlik Drive               |          | Sappington Station Road                 | Fellowship Way                              | Collector          |  |
| Stepney Lane                |          | MD 2 (Solomons Island Road)             | MD 253 (Mayo Road)                          | Collector          |  |
| Stevenson Road              |          | Quaterfield Road                        | New Cut Road                                | Collector          |  |
| Stewart Avenue              |          | MD 176 (Dorsey Road)                    | 4th Avenue                                  | Collector          | 1. Change to Minor Arterial  |
| Stiemly Thompson Avenue     |          | Biddle Road                             | MD 270 (East Furnace Branch Road)           | Collector          |  |
| Stone Castle Drive          |          | MD 713 (Ridge Road)                     | Citadel Drive                               | Collector          |  |
| Stonington Drive            |          | Shore Acres Road                        | Stonington Drive                            | Collector          |  |
| Stony Creek Drive           |          | Duvall Highway                          | Beach Drive                                 | Collector          |  |
| Strawberry Lake Way         |          | Piney Orchard Parkway                   | Waugh Chapel Road                           | Local              | 1. Change to Collector   |
| Sudley Road                 |          | MD 468 (Muddy Creek Road)               | MD 255 (Owensville Road)                    | Collector          |  |
| Sunny Brook Drive           |          | Point Pleasant Road                     | Furnace Avenue                              | Collector          |  |
| Sunnyfield Lane             |          | Hammonds Lane                           | Hammonds Lane                               | Collector          |  |
| Sunrise Beach Road          |          | MD 178 (Generals Highway)               | Landing Drive                               | Collector          |  |
| Sunset Drive                |          | Arundel Beach Road                      | Oak Avenue                                  | Collector          | 1. Change to Local roadway   |
| Sunset Knoll Road           |          | Old Magothy Bridge Road                 | List Avenue                                 | Collector          |  |
| Swamp Circle Road           |          | MD 256 (Deale Churchton Road)           | MD 468 (Muddy Creek Road)                   | Collector          |  |
| Swan Drive                  |          | Saint George Drive                      | Skyway Drive                                | Collector          |  |
| Swift Road                  |          | George Road                             | Lake Shore Drive                            | Collector          |  |
| Tarragon Lane               |          | MD 2 (Solomons Island Road)             | Terminus near Annapolis Technical Park      | Collector          |  |
| Taylor Avenue               | MD 435   | West Street/ Spa Road                   | Annapolis Street                            | Local              | 1. Change to Minor Arterial  |
| Teague Road                 |          | New Ridge Road                          | Ridge Chapel Road                           | Collector          |  |
| Telegraph Road              | MD 170   | MD 175 (Annapolis Road)                 | MD 176 (Dorsey Road)                        | Principal Arterial |  |
| Ternwing Drive              |          | College Parkway                         | Morning Dove Way                            | Collector          |  |
| Thomas Point Road           |          | Arundel On The Bay Road                 | Terminus at Thomas Point Park               | Collector          | 1. Change to Local roadway east of Gordon Cove Drive                         |
| Thompson Avenue             |          | Clark Station Road                      | Quaterfield Road                            | Collector          |  |
| Tick Neck Road              |          | MD 177 (Mountain Road)                  | Edwin Raynor Boulevard                      | Collector          |  |
| Tieman Drive                |          | Bentwillow Drive                        | Wellham Drive                               | Collector          |  |
| Tilghman Drive              |          | Riedel Road                             | Underwood Road                              | Collector          |  |
| Tower Bridge Drive          |          | MD 607 (Hog Neck Road)                  | Saltwood Glen                               | Collector          |  |
| Town Point Road             |          | MD 423 (Fairhaven Road)                 | Leitch Road                                 | Collector          |  |
| Townsend Avenue             |          | MD 2 (Governor Ritchie Highway)         | AA County Line near Ruth Street             | Collector          |  |
| Triton Beach Road           |          | MD 214 (Central Avenue East/ Mayo Road) | Carvel Lane                                 | Collector          |  |
| Truck House Road            |          | Benfield Road                           | Earleigh Heights Road                       | Collector          |  |
| Turkey Point Road           |          | MD 214 (Central Avenue East)            | Terminus near Turkey Point                  | Collector          |  |
| Twin Oaks Road              |          | Hammonds Ferry Road                     | MD 170 (Camp Meade Road)                    | Collector          |  |
| Tydings Road                |          | Log Inn Road                            | Chesapeake Road                             | Collector          |  |
| Ullman Road                 |          | MD 648 (Baltimore Annapolis Blvd)       | Magothy Bridge Road                         | Local              | 1. Change to Collector   |
| Underwood Road              |          | MD 424 (Davidsonville Road)             | Johns Hopkins Road                          | Collector          |  |
| Upland Road                 |          | Holy Cross Road                         | Hammonds Lane                               | Collector          |  |
| Upper Pindell Road          |          | Pindell Road                            | MD 794 (Southern Maryland Boulevard)        | Collector          |  |
| Urby Drive                  |          | Good Hope Drive                         | Crofton Parkway                             | Collector          |  |
| US Navel Academy Bridge     | MD 450   | MD 450 (Baltimore Boulevard)            | MD 179 (Saint Margarets Road)               | Principal Arterial |  |
| Valentine Road              |          | Kyle Road                               | Terminus near Valentine Creek               | Collector          |  |
| Valley Road                 |          | MD 178 (Generals Highway)               | Terminus near Rollingdale Road              | Collector          |  |
| Ventnor Road                |          | MD 177 (Mountain Road)                  | Terminus near Hammock Island                | Collector          |  |
| Veterans Highway            |          | MD 178 (Generals Highway)               | MD 3 (Robert Crain Highway)                 | Minor Arterial     |  |
| Vicksburg Drive             |          | MD 214 (Central Avenue West)            | Appomattox Road                             | Collector          |  |
| Virginia Avenue             |          | MD 2 (Solomons Island Road)             | Terminus near Edgewater Beach Sunny Section | Collector          |  |
| Walnut Avenue               | MD 261   | Lakeshore Drive/ Rose Haven Road        | AA County Line near North Beach             | Minor Arterial     |  |
| Walton Avenue               |          | MD 2 (Governor Ritchie Highway)         | Redmond Street                              | Collector          |  |
| Warfield Road               |          | MD 2 (Governor Ritchie Highway)         | Morris Hill Avenue                          | Collector          |  |
| Washington Road             |          | MD 253 (Mayo Road)                      | Park Road                                   | Collector          |  |
| Water Oak Point Road        |          | MD 173 (Fort Smallwood Road)            | Terminus near Water Oak Point               | Collector          |  |
| Waterbury Road              |          | Millersville Road                       | MD 178 (Generals Highway)                   | Collector          |  |
| Waterford Road              |          | MD 648 (Baltimore Annapolis Blvd)       | MD 177 (Mountain Road)                      | Minor Arterial     |  |
| Waterford Road              |          | Old Jumpers Hole Road                   | MD 2 (Governor Ritchie Highway)             | Minor Arterial     | 1. Change to Collector   |
| Watts Avenue                |          | MD 713 (Ridge Road)                     | Clark Road                                  | Local              | 1. Change to Collector   |
| Waugh Chapel Road           |          | Piney Orchard Parkway                   | MD 3 (Robert Crain Highway)                 | Minor Arterial     |  |
| Way Cross Way               |          | Raintree Drive                          | Terminus at Woodfield Village               | Collector          | 1. Change to Local roadway   |
| Wayson Road                 |          | Harwood Road                            | Queen Anne Bridge Road                      | Collector          |  |
| WB & A Road                 |          | Terminus                                | George Avenue                               | Minor Arterial     | 1. Change to Local roadway   |

**Appendix A  
Anne Arundel County  
Road Functional Classifications:**

**1997 General Development Plan as Amended by the adopted 16 Small Area Plans**

| HIGHWAY NAME            | ROAD NUM | LOCATION                                |   | CLASSIFICATION     | 2008 GDP Proposed Changes  |
|-------------------------|----------|---|---|--------------------|----------------------------|
|                         |          | FROM                                    | TO                                      |                    |                            |
| WB & A Road             |          | George Avenue                           | Clark Station Road/ Burns Crossing Road | Collector          |                            |
| WB & A Road             |          | Clark Station Road/ Burns Crossing Road | MD 176 (Dorsey Road)                    | Minor Arterial     |                            |
| Welham Avenue           |          | MD 648 (Balitmore Annapolis Blvd)       | Furnace Branch Road                     | Minor Arterial     |                            |
| West River Road         |          | MD 468 (Shady Side Road)                | Terminus near West River                | Collector          |                            |
| West Street             | MD 450   | MD 178 (Generals Highway)               | Church Circle                           | Principal Arterial |                            |
| Westbury Drive          |          | Riva Road                               | Stonehenge Drive                        | Collector          |                            |
| Whisky Bottom Road      |          | AA County Line near RR                  | Laurel Fort Meade Road                  | Minor Arterial     |                            |
| Whispering Woods Drive  |          | Bay Dale Drive                          | Bay Dale Drive                          | Collector          |                            |
| White Swan Drive        |          | Lynch Drive                             | Terminus near Ulmsteads Point           | Collector          |                            |
| Whitehall Road          |          | MD 179 (Saint Margarets Road)           | Terminus near Meredith Creek            | Collector          |                            |
| Whitney's Landing Drive |          | Sunrise Beach Road                      | Joyce Drive                             | Collector          |                            |
| Wigley Avenue           |          | MD 175 (Jessup Road)                    | Montevideo Road                         | Collector          |                            |
| Williamsburg Lane       |          | Lovell Road                             | Maple Ridge Lane                        | Collector          |                            |
| Wilson Road             |          | Jewell Road                             | Sansbury Road                           | Collector          |                            |
| Wilson Road             |          | MD 436 (Ridgely Avenue)                 | Dreams Landing Way                      | Collector          | 1. Change to Local roadway |
| Winchester Road         |          | Boulters Way                            | Terminus near Circle Drive              | Collector          |                            |
| Winterson Road          |          | Old Elkridge Landing Road               | International Drive                     | Minor Arterial     | 1. Change to Collector     |
| Woodland Road           |          | Pasadena Road                           | Obrecht Road                            | Collector          |                            |
| Woods Landing Drive     |          | Bay Head Road                           | Wood Duck Lane                          | Collector          |                            |
| Woods Road              |          | Childs Point Road                       | Inland Road                             | Collector          |                            |
| Woods Road              |          | MD 607 (Magothy Bridge Road)            | MD 177 (Mountain Road)                  | Collector          |                            |
| Wright Road             |          | Terminus near Villages of Dorchester    | MD 176 (Dorsey Road)                    | Local              | 1. Change to Collector     |
| Wrighton Road           |          | Terminus near Patuxent River            | MD 980 (Old Southern Maryland Road)     | Collector          |                            |