

## MD 175 INTERSECTION IMPROVEMENTS FACT SHEET

**WHAT:** Traffic operations and safety improvements to intersections along MD 175 at Fort George G. Meade in Anne Arundel County. SHA will upgrade the intersections at four locations along MD 175: MD 713 (Rockenbach/Ridge Rd.), Disney/26th Streets, Mapes Rd., and Reece Rd.

**WHY:** As a result of the 2005 Base Realignment and Closure Act, the area in and around Ft. George G. Meade is expected to experience considerable growth in employment. During the next two years, Maryland will see an influx of thousands of new jobs and hundreds of families to Anne Arundel County. Improving safety and reducing congestion is a top priority due to projected increased traffic in the area.

- 7,500 on-base BRAC-related jobs
- NSA job growth
- Potential Enhanced Use Lease related jobs

BRAC will bring economic development to Maryland along with new housing and employment opportunities. The addition of jobs to central Anne Arundel County will bring more vehicles and increased travel volumes along area routes, such as MD 175. Today, MD 175 is a two lane to five lane roadway traffic volumes ranging from 28,000 to 50,000 vehicles each day.

**COST:** **MD 175 at Rockenbach/Ridge Rd. (MD 713) and Disney/26<sup>th</sup> Street**  
**Estimated Intersection Cost \$25-\$30 Million**

Utilities/Construction: \$16.9 Million

Right-of-Way: \$8.3Million

Work on both intersections will be done simultaneously.

**TIMELINE:** Utility relocation and Right of Way Acquisition - Underway  
Advertisement – Late Fall 2010  
Limited Notice to Proceed – spring 2011  
Full Notice to Proceed – fall 2011  
Open to Traffic - fall 2012

**PROJECT  
DESCRIPTION:**

Upgrade the intersection of MD 175 at Rockenbach Rd./Ridge Rd. with two left turn lanes, two through lanes, and a right turn lane on the MD 175 approaches. Upgrade MD 175/Disney Rd./26<sup>th</sup> Street intersection. The MD 175 eastbound approach will have two left turn lanes, one through lane, and one shared right/through lane. The MD 175 westbound approach will be upgraded to one left turn lane, two through lanes, and one channelized right turn lane. The proposed lane configuration for both approaches on Disney Rd./26<sup>th</sup> Street will be one left turn lane and one shared right/through lane. A bicycle lane throughout the project limits on MD 175 and a hiker/biker trail in the eastbound direction will also be constructed.

**PROJECT**

**DESCRIPTION: MD 175 at Reece Rd.**

Widen MD 175 and Reece Rd. by adding dedicated left and right turns. The MD 175 approaches will each accommodate two through lanes and a dedicated right turn lane. MD 175 eastbound will have two left turn lanes, while MD 175 westbound will have one left turn lane.

Reece Rd. northbound will accommodate two left turn lanes, one through lane, and one shared right/through lane. Reece Rd. southbound will accommodate one left turn lane, one through lane, and one right turn lane. A bicycle lane is proposed throughout the project limits on MD 175. A hiker/biker trail is also proposed along MD 175 eastbound, beginning east of the Reece Rd. intersection.

**COST:**

**Estimated Intersection Cost: \$15-20 Million\***

**Preliminary Engineering: \$1.5 M**

**(NEWLY Funded - 100% federal formula funding)**

Utilities/Construction: \$14.2 M (Unfunded)

*\*when fully funded.*

**PROJECT**

**DESCRIPTION:**

**MD 175 @ Mapes Rd./Charter Oaks Blvd.**

Roadway improvements and accommodations for pedestrians and bicyclists. The proposed along MD 175 improvements include four 11-foot through lanes, an 11-foot two way center left turn lane, a northbound 11-foot exclusive left turn lane, two southbound 11-foot exclusive left turn lanes, a 12-foot exclusive right turn lane in each direction and a 4-foot bicycle compatible shoulder along eastbound MD 175. Proposed Mapes Rd. improvements include two southbound 12-foot lanes, a westbound 12-foot exclusive left turn lane, a 12-foot northbound through and right turn lane, a 12-foot exclusive right turn lane, and 4-foot shoulders in both directions. Existing lane configuration is maintained along Charter Oaks Boulevard.

Other improvements include sidewalk and curb replacement along westbound MD 175, the reconstruction of the existing traffic signal, curb removal along eastbound MD 175 to provide an open roadway section, and the proposed 10-foot hiker biker trail along eastbound MD 175. All new sidewalk, pedestrian ramps and driveway entrances will be in compliance with the American with Disabilities Act (ADA).

**COST:**

**Estimated Intersection Cost: \$9-12Million\***

**Preliminary Engineering/Design: \$1.5 Million**

**(NEWLY Funded - 100% federal formula funding)**

Right of Way: \$0.9 Million (Unfunded)

Construction: \$6.5Million (Unfunded)

## **SUMMARY OF PROJECT COSTS / FUNDING SOURCES**

<b>TOTAL COST:</b>	\$23.2 Million	Federal Funding for Intersections (Draft FY 11-16 CTP)
	\$11 Million	SAFETEA-LU earmark
	\$6.1 Million	Congressional Appropriations/Earmarks (FFY 2008-2010)*
	<u>\$5.9 Million</u>	<u>State Funding</u>
	<b>\$46.2 Million</b>	<b>Total Funding for Intersections*</b>
		(*Budgeted and expended funds)

- \* DETAILS ON \$6.1Million Congressional Appropriations
- \$0.5Million - 2008 Transportation Appropriations earmark
  - \$2.8Million - 2009 Transportation Appropriations earmark  
(Public Lands Highways Grant)
  - \$2.8Million - 2010 Transportation Appropriations earmark  
(Public Lands Highways Grant)
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### **MD 32 CYBER COMMAND TRAFFIC STUDY**

An intensive effort will be undertaken to prepare for Cyber Command – similar to Maryland’s approach to BRAC – with close coordination by the State with the Department of Defense, local governments, the business community and other stakeholders. The \$1 million in new funds project planning funding will begin a MD 32 Cyber Command Regional Network Analysis, supporting those efforts.

To date, BRAC planning has focused on improving lower-capacity routes such as MD 175 and MD 198. Earlier this year, the Department of Defense announced the establishment of the U.S. Cyber Command at NSA and Fort Meade. This command will bring thousands of additional soldiers and civilians, including units from each of the four branches of the armed services. The establishment of Cyber Command at NSA/Ft. Meade could impact MD 32 beyond what was originally envisioned by BRAC planners.

Establishment of Cyber Command could bring substantial additional BRAC traffic to NSA via MD 32. The Network Analysis involves the study of MD 32 and anticipated impacts from Cyber Command and supporting services, and as part of the larger BRAC-related transportation nexus that includes MD 175 and MD 198. Study parameters and preliminary project limits encompassing MD 295 and MD 175 are being developed.