

ultraMontgomery (P341700)

Category General Government
 Sub Category Technology Services
 Administering Agency Technology Services (AAGE05)
 Planning Area Countywide

Date Last Modified 9/29/16
 Required Adequate Public Facility No
 Relocation Impact None
 Status Preliminary Design Stage

Total	Thru FY16	Rem FY16	Total 6 Years	FY 17	FY 18	FY 19	FY 20	FY 21	FY 22	Beyond 6 Yrs
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	475	0	0	475	25	130	230	30	30	30	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	0	0	0	0	0	0	0	0	0	0	0
Construction	4,049	0	0	4,049	1,099	550	450	650	650	650	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	4,524	0	0	4,524	1,124	680	680	680	680	680	0

FUNDING SCHEDULE (\$000s)

Cable TV	4,524	0	0	4,524	1,124	680	680	680	680	680	0
Total	4,524	0	0	4,524	1,124	680	680	680	680	680	0

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 18	680
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		1,124
Expenditure / Encumbrances		0
Unencumbered Balance		1,124

Date First Appropriation	FY 16	
First Cost Estimate		
Current Scope	FY 17	4,524
Last FY's Cost Estimate		4,524

Description

The ultraMontgomery CIP provides for capital funding to support Montgomery County's ultraMontgomery economic development program. Funding will support planning, engineering, design, and construction of: 1.) construction of an East County Fiber Highway to interconnect FiberNet in White Oak to Maryland's Inter-County Broadband Network (ICBN) and the Johns Hopkins University Applied Physics Lab (APL); 2.) creation of a 100 gigabit Federal Exchange network, beginning with interconnection of the County's FiberNet communications network to the federal agencies, National Institute of Technology Standards (NIST) and the National Cybersecurity Center of Excellence (NCCoE); 3.) design and engineering between Bethesda, Silver Spring and the University of Maryland College Park under or near the Purple Line transit route; and 4.) interconnection of FiberNet to high capacity, low-latency, dark fiber networks that reach 35 data centers in Ashburn, VA and multi-tenant data centers within Montgomery County.

Estimated Schedule

The NIST/NCCoE interconnections will be completed in FY16. Design and engineering for the East County Fiber Highway will be completed in FY16, with construction expected to be completed within FY18. Ashburn dark fiber route and data center interconnections will be coordinated with private sector construction, but are anticipated to be completed within FY17. Design and engineering along or near the Purple Line is expected to begin in FY17, but is dependent on the Purple Line and third-party construction schedules.

Justification

ultraMontgomery was officially launched by the County Executive in December 2014 as one of the County Executive's Six Economic Priorities. ultraMontgomery is designed to expand the STEM (science, technology, engineering, mathematics) and STEAM (STEM plus art and design) jobs and businesses that depend on high-speed, secure, and reliable broadband services and networks. The ultraMontgomery program focuses on four areas: government and education; economic and business development; connected communities; and public awareness and promotion. Federal, state and local governments, as well as community colleges and higher education entities, are both major employers within Montgomery County and increasing important partners to grow the cybersecurity, financial services, biotech and scientific innovation, Internet of Things, media, and next-generation Internet services and gigabit economy private sector businesses within the County. In addition, the County must ensure that all of our residents can participate in the Internet economy, and that the business community is aware of the breadth, diversity and robust assets and opportunities that exist within the County.

Other

FY16 ultraMontgomery funding was contained in the FiberNet CIP. FY16 and FY17 funding is provided from the Cable Fund PEG/I-Net Capital Grant and will be used consistent with the restricted government and educational purposes of that Grant.

Coordination

FiberNet (p509651) Purpleline Department of Transportation DTS Montgomery County Public Schools M-NCPPC MC HOC PSCS Information Technology Policy Coordination Committee (ITPCC) ITPCC CIO Subcommittee and Interagency Technology Advisory Group (ITAG)