Thank you to our event Patrons!
Upcoming Events

October 14
ACEC/MW Scholarship Golf Tournament
1757 Golf Club in Dulles, Virginia
*Monday (10/12) is the last day to register!*

October 20
VDOT NOVA District LAP-MAP & NVAP Training

October 21
Wine Down Wednesday

October 23
Engineering Excellence Awards Final Submissions Due
*25 projects this year!!*

Visit acecmw.org for more info and to register
MEETING AGENDA

11:00 - 11:10am – ACEC WELCOME & INTRODUCTION
- Mac Cannon - ACEC/MW Executive Director
- Pedro Capestany – ACEC/MW President

11:10 - 12:15 – SPEAKER PRESENTATIONS
- Loudoun County Department of Transportation & Capital Infrastructure (DTCI)
- Fairfax County DPWES Building Design and Construction Division
- Montgomery County Division of Transportation and Engineering

12:15-12:30am – MODERATED PANEL DISCUSSION & CLOSING REMARKS
- Aaron Smith of A. Morton Thomas, and
- Erin Donovan of T3 Designs
MUNICIPALITIES

2020 Live Event

MODERATORS

ACEC/MW Maryland Municipal Committee Chair
Aaron Smith

AND

ACEC/MW Virginia Municipal Committee Chair
Erin Donovan
SPEAKER

Loudoun County Department of Transportation & Capital Infrastructure (DTCI)
Bruce E. Johnston, P.E. – Deputy Director

Municipalities
2020 Live Event
Department of Transportation & Capital Infrastructure (DTCI)

AMERICAN COUNCIL OF ENGINEERING COMPANIES OF METROPOLITAN WASHINGTON

October 8, 2020
Loudoun County Capital Improvement Plan (CIP)

• The Board of Supervisors Approved FY 2021 – FY2026 CIP
• The Six-Year $2.9B CIP Consists of:
  ▪ $1,179.8M for Transportation Projects
  ▪ $ 805.4M for School Projects
  ▪ $ 412.2M for General Government Projects
  ▪ $ 272.6M for Public Safety Projects
  ▪ $ 125.1M for Administration & Information Technology
  ▪ $ 116.1M for Parks, Recreation and Culture
  ▪ $ 26.0M for Towns
  ▪ $ 2.7M for Health and Welfare
## CIP Budget History

<table>
<thead>
<tr>
<th>Year</th>
<th>Transpo</th>
<th>Schools</th>
<th>County</th>
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<tbody>
<tr>
<td>FY2017</td>
<td>$723</td>
<td>$541</td>
<td>$532</td>
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<tr>
<td>FY2018</td>
<td>$805</td>
<td>$640</td>
<td>$589</td>
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<tr>
<td>FY2019</td>
<td>$1,296</td>
<td>$484</td>
<td>$625</td>
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<td>FY2020</td>
<td>$1,204</td>
<td>$522</td>
<td>$724</td>
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<tr>
<td>FY2021</td>
<td>$1,180</td>
<td>$805</td>
<td>$955</td>
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</table>
DTCI is responsible for:

- Transportation projects
- Roads
- Pedestrian and bicycle
- Intersection improvements
- Public Facilities
- Libraries
- Fire stations
- Parks
DTCI responsible for all:
Planning
Design
Right-of-way acquisition
Utility relocation
Construction
Commissioning
DTCI Relies on Consultants to Assist in Project Execution

- Due Diligence Research and Planning
- Design Services
- Appraisal Services
- Right-of-Way Acquisition Assistance
- Construction Engineering and Inspection Services

Consultant Services are Procured through RFPs

- Task Order Contracts (Multiple Tasks up to $6.0M $8.0M per Year with a Single Project Cap of $2.5M)
- Individual Project Contracts (Tasks Over $2.5M or Federally Funded)
Procurement of Professional Services

• Task Order Contracts Exist for:
  o Architectural Services (effective December 1, 2020 - 5 years)
  o **Surveying Services** (Effective January 1, 2021 – 5 years)
  o Roadway Design Engineering Services (April 1, 2020 – 5 years)
  o Traffic Engineering & Operation Services (Effective December 1, 2020 – 5 years)
  o Geotechnical Engineering (Effective January 1, 2021 – 5 years)
  o **Intersection Improvement Design Services (July 1, 2020 - 5 years)**
  o Site Civil Design Services (Effective November 1, 2020 – 5 years)
  o CEI Services Roads(Effective June 1, 2020 – 5 years)
  o CEI Services Buildings (Effective March 18, 2020 – 5 years)
  o Commissioning Services (Effective December 1, 2020 – 5 years)
  o Transportation Planning/Preliminary Engineering (Effective February 2019 – 5 years)

• Current Task Order Contracts Do Not Include Federal Contracting Provisions. Road design and construction future Contracts will.
Loudoun County recently completed studies identifying the top 12 high incident intersections and the top 12 sidewalk connections.

The design of the intersections will be undertaken by the Intersection Improvement Design Services Task Order Consultants.

The design of the sidewalk connections will be performed by either Roadway Design Engineering Services or Site Civil Design Services.
Upcoming Projects (FY 2019 & FY2020)

• Facilities
  • no individual consulting services currently advertised or upcoming in the near future

• Transportation and Roadways
  o CEI Services for Belmont Ridge Road – Truro Parish to Croson Lane – will exceed $2.5M (November/December advertisement)
  o Design/Build qualifications – Route 50 and Trailhead Roundabout (October advertisement)
  o Traffic Data Analysis Services (Late October early November advertisement)
  o Traffic Data Collection Services (currently advertised, proposals will be received October 19th)
  o Route 7 widening Design Services– Route 9 to Greenway (VDOT reviewing now – potential Federal Funding)
  o Real Estate Appraisal and Real Property Acquisition Services (currently advertised, proposals will be received October 27th)
Thank You

For more information:

Bruce.Johnston@Loudoun.gov
703-771-5542
Fairfax County – Building Development Projects

Presented for
American Council of Engineering Companies

Martha Sansaver, RA, Project Manager, Building Design and Construction Division, DPWES
Presentation Agenda:

• Overview of Capital Improvement Plan (CIP)
• Purchasing Agencies within Fairfax County
• Overview of DPWES, Capital Facilities and Current Projects
• Types of Design Contract Mechanisms
• DPWES Building Development Trends
• Upcoming Projects and Solicitations
• Multi-year roadmap for funding present and future projects
• The CIP is based on 5-year plan; also provides insight beyond the 5-year period to FY to 2030
• Updated annually, new projects constantly being rolled in each year
• Current CIP Lists Projects or Programs, some Programs contain dozens of individual projects: Parks, Schools, Facilities Management, Housing, Transportation, Public Works
• Public Private Partnerships – projects listed, rapidly growing tool
• Projects Beyond 5 Year Plan – projects/programs listed, partial list
• [link](https://www.fairfaxcounty.gov/budget/fy-2021-fy-2025-adopted-capital-improvement-program-cip)
Agencies with Purchasing Authority

- **DPWES** Department of Public Works & Environmental Services
- **FCDOT** Fairfax County Department of Transportation
- **FCPA** Fairfax County Park Authority
- **FCPS** Fairfax County Public Schools
- **FCHCD** Fairfax County Housing & Community Development
- **DPMM** Dept. of Procurement and Material Mgmt.
Projects:

• Currently 22 projects in pre-design, 15 in full design
• Projects range from $2 million to $136 million
• Project Types:
  – Libraries, Fire Stations, Police Stations
  – Jails, Courthouses
  – Maintenance and Operational Facilities and Parking Garages
  – Human Services Centers
  – Governmental Centers
  – Community Centers/Shelters
  – Campus Master Planning
• Complex renovations/complex renewal
Projects in Construction

Lorton Community Center & Library

Reston Fire Station

Sully Community Center

Lorton Fire Station
Projects in Bid Phase

South County Police Station & Animal Shelter

Courtroom Renovations
Projects in Design Phase

Stormwater Wastewater Facility

Kingstowne Center

Seven Corners Fire Station
Public Private Partnerships

Projects underway, all listed in the CIP, includes:

– Reston Town Center North Redevelopment
– Judicial Complex Master Plan
– East County Human Services Center
– Original Mt. Vernon High School Renewal
– Herndon Station West Master Plan

Other Notable Completed projects:

– Public Safety Headquarters
– Herndon Station Garage
– Route 28 Garage Project (Innovation Center Station)
– Laurel Hill Adaptive Use
Four Types of Design Contract Mechanisms

1. Task Order Contracts or Basic Ordering Agreements
2. Individual A/E selection for Projects
   - Larger Projects
   - No set contract limits
3. Design / Build and CMAR
   - Typically don’t use D/B, using more CMAR
4. Public Private Partnerships
   - Unique Project Relationships
   - Can be Solicited Proposals or Unsolicited Proposals
CAP - Task Order /Basic Ordering Agreement Contracts

- Maximum Annual Contract amount - $8 million per year
- Maximum amount per project - $2.5 million
- Duration - One-year contract with up to 4 one-year renewals.
- Active Contracts: 22 Consultant Services Contracts
  - Geotechnical Engineering Services (1)
  - Underground Utility Locating & Designating (2)
  - Architectural & Engineering Professional Services (5)
  - Hazardous Materials Services (1)
  - MEP Consulting Services (2)
  - Project Management/Construction Management Support Services (3)
  - Wastewater Engineering Professional Services (3)
  - Engineering Services for Master Planning, Evaluation, Design & CA Services (3)
  - Pre-Construction Support/Construction Engineering Inspection Services (2)

- Rapidly Growing Contract Mechanism, number has doubled in last 5 years
Fairfax County - Building Development Program

Procurement Opportunities

Capital Facilities Basic Ordering Agreements (BOA)

- **A/E Professional Services**
  - Contracts < $6,000,000
  - Two Let 4/08/2016; 5-year term *
  - Three Let 7/26/2017; 5-year term

- **MEP Consulting**
  - Contracts < $500,000
  - Two let 11/9/2016; 5-year term *

- **Project & Construction Management**
  - Contracts < $3,000,000
  - Three Let 4/12/2018; 5-year term

- **Asbestos/Hazardous Materials Surveys**
  - Contracts < $1,500,000
  - One Let 12/01/2017; 5-year term

- **Utility Locating and Designating Services**
  - Contracts < $3,000,000
  - One let 4/28/2017; 5-year term *
  - Contracts < $1,000,000
  - One let 12/31/2018; 5-year term

- **Geotechnical Engineering Services**
  - Contracts < $1,500,000
  - One Let 12/31/2018; 5-year term

- **Professional Wastewater Engineering Services**
  - Contracts < $3,000,000
  - Three Let 7/13/2019; 5-year term

- **Engineering Services for Master Planning, Design & Construction Administration**
  - Contracts < $4,000,000; 2-year term
  - < $6,000,000; 3-year term
  - Three Let 3/27/2017; 5-year term *

- **Preconstruction Support/Construction Engineering Inspection Services**
  - Contracts < $3,000,000
  - Two Let 4/4/2017; 5-year term *
Fairfax County - Building Development Program

Procurement

DPWES E-mail notification subscription

Design:  https://www.fairfaxcounty.gov/publicworks/design-advertisement-e-subscription
Construction:  https://www.fairfaxcounty.gov/publicworks/construction-advertisement-e-subscription

Design and Construction Ads
Design Ads:
https://www.fairfaxcounty.gov/publicworks/capital-projects/professional-servicesdesign-consultant-solicitations
Construction Bid Ads:

Department of Transportation  http://www.fairfaxcounty.gov/fcdot/designadvert.htm

Department of Procurement & Material Management  http://www.fairfaxcounty.gov/solicitation/

Public Schools  http://www.fcps.edu/fts/adminservices/solicitations.shtml

Park Authority  http://www.fairfaxcounty.gov/parks/plandev/
Building Trends

- Increased use of Task Order Contracts for Design
- Construction Management At Risk
- Private Public Partnership-complex multi-parcel master planning
- Tendency to contract construction inspection services
- Procurement for shared/co-located facilities
- Sustainable/energy efficiency-envelope commissioning
- Complex renovations/capital renewal/demolition
Current Solicitations – on Website

• Architectural and Engineering Professional Services BOA – 2
• Request for Qualifications- 3

Future Solicitations – 2020 Bond Referendum

• Library
• Community Centers
• Early Childhood Facilities

Patrick Henry Community Library
Fairfax County - Building Development Program

DPWES 2020 Bond Referendum Projects

Future Solicitations

Crossroads

George Mason Regional Library

Joseph Willard Health Center

Sherwood Regional Library
Fairfax County - Building Development Program

DPWES 2022 Bond Referendum Projects

Future Solicitations

Fox Mill Fire Station

Oakton Fire Station

Chantilly Fire Station

Fire & Rescue Well-Fit Facility Study
SPEAKERS

Montgomery County
Division of Transportation and Engineering

Daniel Sheridan, P.E. – Planning and Design Section Chief
MC DOT Priorites

Create a Balanced Transportation Network

- Road Network
- Transit
- Bicycle and Pedestrian Mobility

Promote Economic Development and Smart Growth

Involve and Support Our Communities
Create a Balanced Transportation System

County Road Network – MC DOT Construction

- MD 355 Crossing (at Medical Center metro station)
- White Flint West Workaround
- Seminary Road
- Snouffer School Road
- Complete Streets Design Guide
Create a Balanced Transportation System

State Road Network – SHA project status

- I-270 Integrated Corridor Management - construction
- I-270/I-495 Managed Lanes – alternative retained for detailed study – P3
- MD-97 Brookeville Bypass - construction
- MD 97 at Randolph Rd Interchange - complete
- US 29 Mobility and Reliability Study – managed lane concept
Create a Balanced Transportation System

Transit

Ride-On – MC DOT bus system

- Wi-Fi, Real Time screens and Kids Ride Free
- Supplements WMATA Metro and bus systems

MDTA – Purple Line
Create a Balanced Transportation System

Bus Rapid Transit

- US 29 Flash BRT
  - Oct. 14 service start
  - 14 mile corridor on US 29
  - 11 stations + 40% dedicated Bus on shoulder
- MD 355 and Veirs Mill Rd Flash BRT – preliminary engineering
- New Hampshire Avenue BRT (FY22)
Create a Balanced Transportation System

Bicycle and Pedestrian

- Vision Zero
- Bikeshare
- E-bikes and e-scooters
- Bicycle and Pedestrian Priority Areas (BiPPAs)
- Cycle tracks, Metropolitan Branch Trail, Capital Crescent Trail
- Bike paths created during resurfacing
Protected Intersection at Second & Spring St.

Bicycle and Pedestrian

- Corner islands
- Advanced stop lines
- Set-back crossings
- Lateral shift
- Turning radii
- Improved visibility
Promote Economic Development & Smart Growth

- Marriott Headquarters - Bethesda
- Wheaton and White Flint redevelopment
- United Therapeutics Headquarters – Silver Spring
- PLD Public/Private Partnerships Lot 3, Lot 5/55, & Lot 31
- White Oak Science Gateway Master Plan
Involve & Support Community

- GreenFest
- Sustainability Policy – Climate Change
- Green initiatives – stormwater retrofits and outfall repairs
- Programs for seniors, disabled residents, youth
- Call n Ride
- Mobile Commuter TRiPs Store
- Special events
  - Bike to Work Day
  - PARK(ing) Day
- Shared Streets - COVID
### Capital Budget – Division of Transportation Engineering

<table>
<thead>
<tr>
<th>Program (FY20)</th>
<th>Amount ($000)</th>
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<tr>
<td>Roads</td>
<td>$ 20,746</td>
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<tr>
<td>Bridges</td>
<td>$ 8,712</td>
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<tr>
<td>Pedestrian/Bicycle</td>
<td>$ 30,125</td>
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<tr>
<td>Transit</td>
<td>$ 26,983</td>
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<tr>
<td>Storm Drains</td>
<td>$ 3,109</td>
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<td><strong>Total</strong></td>
<td><strong>$ 89,675</strong></td>
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<table>
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<th>Category (FY20)</th>
<th>Amount ($000)</th>
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<tr>
<td>Planning, Design + Const. Mgmt</td>
<td>$ 21,611</td>
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<tr>
<td>Land</td>
<td>$ 3,559</td>
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<tr>
<td>Utilities</td>
<td>$ 454</td>
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<tr>
<td>Construction</td>
<td>$ 50,625</td>
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<tr>
<td>Other (Buses)</td>
<td>$ 13,426</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$ 89,675</strong></td>
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Questions / Comments

Dan Sheridan, P.E.
Division of Transportation
Engineering
240-777-7283*

daniel.sheridan@montgomerycountymd.gov

* Due to COVID-19, County staff has been teleworking from home, and email would be the preferred form of communication.
Individual Speaker Presentations Completed

Panel Discussion Up Next

Moderated by

Aaron Smith of A. Morton Thomas
ACEC/MW Maryland Municipal Committee Chair

AND

Erin Donovan of T3 Design
ACEC/MW Virginia Municipal Committee Chair
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