



MCDOT

Montgomery County Department of Transportation

ANNUAL REPORT FISCAL YEAR 2016

JULY 1, 2015 - JUNE 30, 2016





OUR VISION

A seamless transportation system for people of all ages, incomes and abilities that supports a vibrant and sustainable community.



OUR MISSION

To move people and connect places with the best transportation choices and services.



GUIDING PRINCIPLES

- ▶ Provide an effective and efficient transportation system
- ▶ Keep our system reliable, safe and secure
- ▶ Engage and support our diverse community
- ▶ Enhance quality of life
- ▶ Be innovative and forward-thinking



Montgomery County Executive Ike Leggett

Montgomery County is changing. Our thriving County is attracting new employers and residents every day. This growth brings with it the potential for economic progress and shared prosperity. It also poses transportation challenges that require fresh, creative solutions. That is why we are committed to using innovative approaches to provide a safe and reliable transportation system that enhances the quality of life for everyone in Montgomery County. By building a balanced and comprehensive network that uses our roads more efficiently and supports more walking, bicycling and transit use, we will move forward together towards a better future.



Montgomery County Department of Transportation Director Al Roshdieh

MCDOT is creating a transformative and sustainable transportation infrastructure to help us fully realize Montgomery County's potential through a revitalized vision, mission, set of guiding principles and sustainability policy. We are developing forward-looking projects like the Bus Rapid Transit system and Ride On extRa; expanding Capital Bikeshare; building the new roads we need and improving those we have to reduce traffic congestion; and creating more transportation options with new bike facilities, sidewalks and transit centers. At MCDOT, we are committed to delivering the first-rate, multi-modal transportation system that will expand opportunities for all.

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AWARDS AND PRESENTATIONS



MCDOT is an award-winning organization that is recognized nationally for its innovation, quality services and programs.



MCDOT received a grant from the Maryland Department of Transportation under its Transportation Alternatives program to fund design of a MD 355/Frederick Road Shared Use Path.



MCDOT Transportation Engineering Division Chief Bruce Johnston was recognized as the Engineer of the Year by the County Engineers of Maryland.



MCDOT Director Al Roshdieh and Transportation Engineering Division staff were presenters at the third Great Montgomery Bike Summit where they discussed ways to improve the bicycle experience and innovative ideas on enhancing the County's bike infrastructure.



MCDOT's partnership with the Department of Environmental Protection to construct "green streets" was honored by the Water Environment Federation with a stormwater and green infrastructure award.



MCDOT Director Al Roshdieh was a panel member at a regional SafeTrack event sponsored by the Greater Washington Board of Trade, discussing how the County helped travelers during Metro's yearlong repair of the rail system.



MCDOT received five Achievement Awards from the National Association of Counties for Bus Rapid Transit Corridor Advisory Committees, Creation of a Wiki Database for Bus Stop Inventory/ADA Compliance, Interactive Parking Map, Low Income Bikeshare Program and School Zone Warning Flasher Technology Upgrade.



MCDOT's Safe Routes to School Coordinator was a panelist at the Safe Kids Worldwide Conference, discussing the County's bike safety education program and how various partnerships have been instrumental to its success.

MCDOT's Safe Routes to School program won two grants through Safe Kids Worldwide to support Walk to School Day and Halloween safety activities.



Made presentations at the Greater Washington Safe Routes to School Regional Meeting and Virginia Association for Health and Physical Education Fall Leadership Development Conference about MCDOT's pedestrian and bike safety education campaigns for students, including the YOLO High School Pedestrian Education promotion, Walk Your Way project and Take Action Against Distraction contest for middle school students.



The Division of Parking Management received two awards from the International Parking Institute for the design of the Capital Crescent Garage (Garage 31) and its creative use of social media and website.



For the 20th year in a row, Montgomery County was designated a Tree City USA community.



MCDOT's Chief of the Transit Services' Medicaid and Senior Transportation Section and Pedestrian Safety Coordinator were recognized by the Jewish Council on Aging for improving transportation options for seniors and persons with disabilities.



TRANSPORTATION ASSOCIATION OF MARYLAND, INC.

Ride On's marketing, advertising and customer service program manager was selected to serve as an at-large member on the Transportation Association of Maryland Board. Montgomery County's Ride On bus system won the Transportation Association of Maryland Outstanding Program Award for its Bus Route 94 marketing campaign.



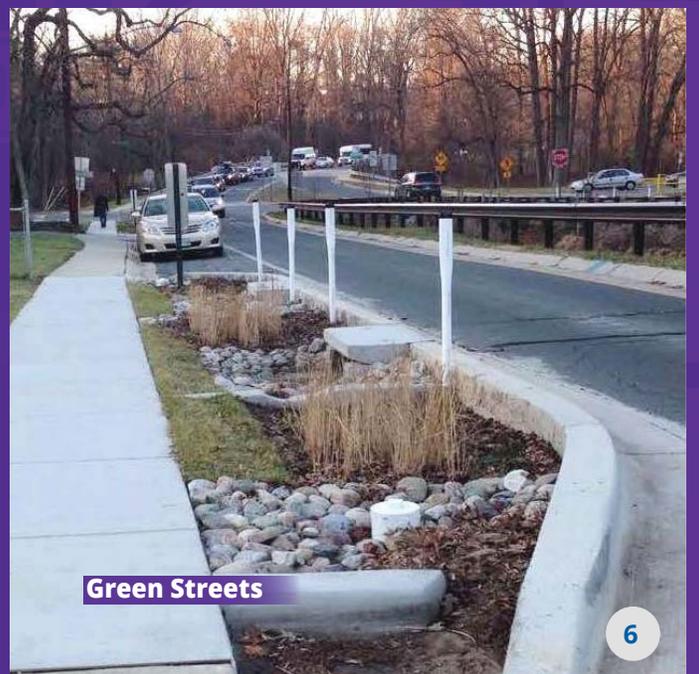
Commuter Services made two presentations at the International Association for Commuter Transportation Conference in Baltimore on promotion of telework with private sector employers and MCDOT's Walk & Ride challenge.



MCDOT's Pedestrian Safety Coordinator, who serves as the Co-Chair of the Maryland Strategic Highway Safety Plan Pedestrian and Bicycle Emphasis Area, represented the State of Maryland at a Federal Highway Administration safety peer exchange for eastern states.



Capital Crescent Garage 31



Green Streets

WHATS NEW



New Westfield Transit Center Montgomery Mall

DEVELOPED NEW VISION, MISSION AND GUIDING PRINCIPLES

Under Director Al Roshdieh's leadership, MCDOT now has renewed its vision, mission, and guiding principles to reflect the fresh and innovative approach he is taking to enhance our transportation system.

"Moving Forward Together": A New Vision for Transportation in Montgomery County," outlines MCDOT's core values:

Vision: A seamless transportation system for people of all ages, incomes and abilities that supports a vibrant and sustainable community.

Mission: To move people and connect places with the best transportation choices and services.

Guiding Principles:

-  Provide an effective and efficient transportation system
-  Keep our system reliable, safe and secure
-  Engage and support our diverse community
-  Enhance quality of life
-  Be innovative and forward-thinking

moving forward together
our vision for transportation in Montgomery County

OUR VISION:
A seamless transportation system for people of all ages, incomes and abilities that supports a vibrant and sustainable community.

OUR MISSION:
To move people and connect places with the best transportation choices and services.

At MCDOT, our work is guided by the following fundamental principles:

-  Provide an effective and efficient transportation system
-  Keep our system reliable, safe and secure
-  Engage and support our diverse community
-  Enhance quality of life
-  Be innovative and forward-thinking

“LET’S MOVE FORWARD TOGETHER. At MCDOT, we are committed to delivering the first-rate, multimodal transportation system that Montgomery County needs through a renewed vision, mission and set of guiding principles. We want to partner with you, the people who use this system daily, to make lasting change and create the best transportation network possible for our community. We ask that you join us in working towards these goals. The daily transportation choices we make and the priorities we choose as a community matter. Let’s keep moving forward together.”

— MCDOT DIRECTOR AL ROSHDIEH

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montgomerycountymd.gov/mcdot

AI ROSHDIEH APPOINTED MCDOT DIRECTOR

Montgomery County Executive Ike Leggett appointed Al Roshdieh as permanent MCDOT Director. Roshdieh served as Acting Director for about a year following the retirement of Art Holmes. Upon Roshdieh's appointment, Leggett said, "Over the past year while serving as Acting Director, Al Roshdieh has clearly demonstrated that he has the vision and leadership skills to move MCDOT forward." Roshdieh has served Montgomery County for more than 27 years and brings a wealth of experience in developing policy; leading the planning, design, construction and operation of the County's transportation infrastructure; directing more than 1,300

employees; and managing an annual operating budget exceeding \$200 million and a capital projects budget of more than \$2.8 billion. "My goal as MCDOT Director is to foster a transportation system that meets the mobility needs of all our residents – whether they live in the urban, suburban or rural parts of the County," said Roshdieh. "I believe that by taking a comprehensive approach, we will further unlock the County's economic potential and provide the very best transportation choices to move people and connect places."

EMIL WOLANIN SELECTED AS MCDOT DEPUTY DIRECTOR

Emil Wolanin was selected to serve as MCDOT's Chief Operating Officer, providing strategic planning, leadership and management for the day-to-day administration of the department and several of its major initiatives. Wolanin joined Montgomery County in 1992 and served as Chief of MCDOT's Division of Traffic Engineering and Operations for 14 years. Among his many accomplishments are the implementation of the County's Advanced Transportation Management System, the modernization of the County's traffic

signal system, and development of the Executive's Pedestrian Safety Initiative. He is nationally recognized in the traffic engineering field for his accomplishments and has served on a variety of national committees and task forces related to connected and autonomous vehicles and the use of technology for managing traffic.

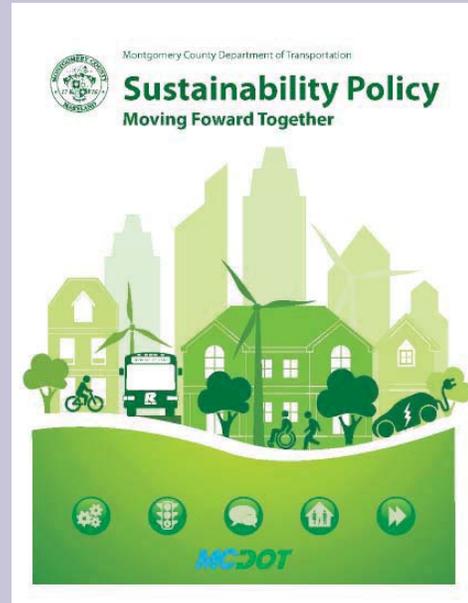
WON GRANT TO ESTABLISH BIKESHARE NETWORK IN WHEATON

MCDOT received a Maryland Department of Transportation grant of \$300,350 to establish a six-station Bikeshare network in Wheaton that

will improve access to transit in this focus area for economic development initiatives.

MCDOT RELEASED NEW DEPARTMENTAL SUSTAINABILITY POLICY

MCDOT Director Al Roshdieh issued a refreshed Sustainability Policy for the department that provides a framework for creating an even more sustainable transportation system. The policy outlines a holistic approach that balances the impact of the department's actions on the environment, economy and society. MCDOT includes educational goals in its sustainability policy to ensure that residents have the information they need to make sustainable travel choices.



FUNDING FOR NEW TRANSIT INITIATIVES APPROVED

County Executive Ike Leggett announced a plan to significantly improve transit options in the County by:

- ▶ Beginning planning and design of BRT on US 29 with the goal of having a system up and running in the next four years. The planning and implementation will be led by MCDOT;
- ▶ Starting Ride On extRa limited stop service on MD 355 from the Lakeforest Transit Center to the Medical Center Metrorail Station in less than two years;
- ▶ Adding peak period express Ride On bus service on MD 355 from Clarksburg to the Shady Grove Metrorail Station to begin spring 2017;
- ▶ Programming funding to advance the MD 355 BRT study to a Locally Preferred Alternative stage;
- ▶ Requesting that the State fund the annual WMATA operating cost necessary to begin peak-period, MetroExtra service on Veirs Mill Road;
- ▶ Evaluating options for design and construction of BRT on Veirs Mill Road once the State-led BRT planning study has determined a Locally Preferred Alternative in FY17; and
- ▶ Continuing to fully support the State's plan to seek Federal funding for the Corridor Cities Transitway and actively explore with the State opportunities to implement the system in phases to lower the initial cost.

CONSTRUCTED AND OPENED A NEW TRANSIT CENTER AT WESTFIELD MONTGOMERY MALL

MCDOT celebrated the opening of the Westfield Montgomery Mall Transit Center, which connects riders to seven bus lines, eight Metrorail stations and a signed bike route. It also provides better bus circulation and passenger amenities, including a

well-lit, seated, waiting area with glass wind breaks, radiant heat, real time bus arrival information and surveillance cameras. Convenient commuter parking is available for 156 vehicles and 20 bicycles.

OPENED THE RECONSTRUCTED COLESVILLE HIGHWAY MAINTENANCE DEPOT

The County reopened the revitalized and expanded Colesville Depot. The renovation brought the badly deteriorated, 35-year-old facility into compliance with current life-safety and ADA standards to improve Highway crews' readiness for weather-related emergencies, provided more repair bays for truck and highway equipment and

added more exterior facilities to store roadway maintenance bulk materials. During the ribbon-cutting ceremony, a plaque was unveiled honoring the memory of Leo Brooks, a dedicated MCDOT employee who was based in the Colesville Depot and died while on the job.

WON TPB GRANT TO FUND NEW TRAIL IN CLARKSBURG

MCDOT received \$523,416 from the National Capital Region Transportation Planning Board for the design and engineering of a shared use path and sidewalk along Maryland (MD) Route 355 in Clarksburg from Snowden Farm Parkway to

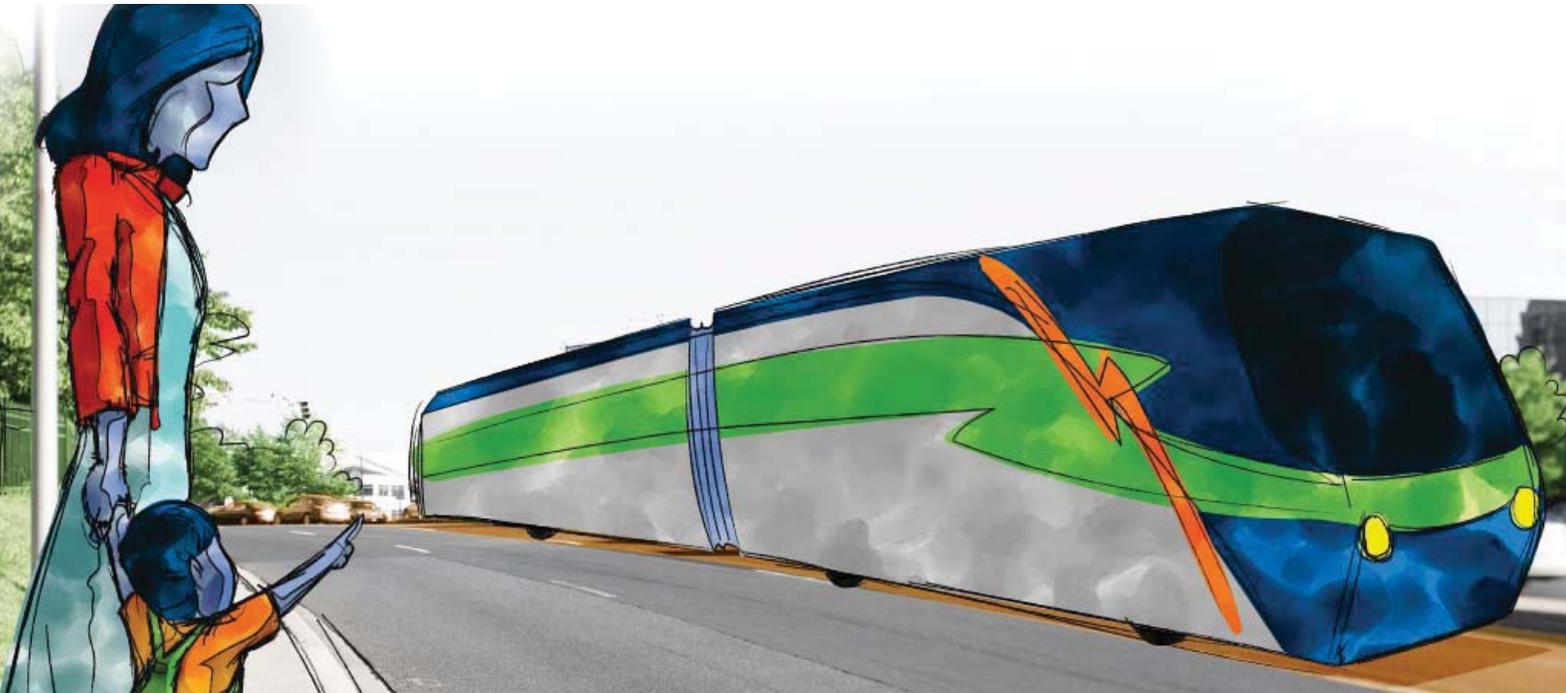
Stringtown Road. The path will add an important link in the existing trail network along MD 355 between Little Bennett Regional Park Trail and the Frederick Road Bike Path.

HELD COUNTY'S FIRST INTERNATIONAL PARK(ing) DAY CELEBRATION

MCDOT joined communities throughout the world in celebrating International PARK(ing) Day, a global event that stimulates conversations about how we use our urban landscape and encourages people to rethink their transportation choices and support

infrastructure that is more transit-oriented, bikeable and walkable. MCDOT offered parking spaces to the public, businesses and organizations so they could transform them into 'parklets' for one day.

IMPROVE THE TRANSPORTATION NETWORK WITH ACCESS FOR ALL



MCDOT is committed to providing an effective, efficient and comprehensive transportation network that is accessible to all users – whether they are pedestrians, bicyclists, transit riders or motorists and regardless of their age, physical abilities or language capabilities.

BUS RAPID TRANSIT (BRT)

MCDOT is expanding transit options by creating a BRT with specially designed vehicles and features such as frequent all-day service, off-board fare collection, rail-like stations with level boarding, well-designed routes, real-time passenger information and low emission vehicles.

- ▶ Won a grant for \$80,000 from the Transportation Planning Board's Transportation/Land-Use Connections Program to create a conceptual design for the County's future BRT stations. The design will use customizable, modular elements based on adjacent land uses, the local environment and projected ridership.
- ▶ Applied for a U.S. Department of Transportation TIGER grant (Transportation Investment Generating Economic Recovery) to help fund a 14-mile BRT system along US 29. The TIGER program is merit-based and highly competitive.

- ▶ Continued seeking community stakeholder input on BRT development through the Corridor Advisory Committees for MD 355 North (north of Rockville Metro Station); MD 355 South (south of Rockville Metro Station); US 29 North (north of New Hampshire Avenue); US 29 South (south of New Hampshire Avenue); and MD 586 (Veirs Mill Road).
- ▶ Assembled a multi-disciplinary team to review the 30 percent design plans for the State's Corridor Cities Transitway project and suggested ways that it could be scaled back to reduce overall costs.



RIDE ON

Ride On is the largest transit system in the region next to Metrobus, featuring 343 buses, 78 routes, 24.5 million annual riders and 80,400 daily boardings.

- ▶ Continued planning for Ride On service at the Takoma Langley Crossroads Transit Center.
- ▶ Completed bus stop improvements for accessibility at the following intersections: Georgia Avenue at University Boulevard; Hines Road and Morningwood Drive; Darnestown Road at Turkey Foot Road; Georgia Avenue at Luzerne Avenue; Bonifant Road at Carona Drive; Second Avenue at Fenwick Lane; and Seminary Road at Hale Street and at Birch Drive.
- ▶ Cleared snow from all bus stops with 40 or more daily boardings, benefiting 70 percent of Ride On's passengers.
- ▶ Installed Real Time signs at nine Ride On bus shelters.
- ▶ Hosted the Federal Transit Administration's celebration of the 25th anniversary of the Americans with Disabilities Act and announced that the County's nine-year bus stop improvement program has enhanced accessibility and pedestrian safety at 3,025 bus stops.
- ▶ Made running time adjustments to dozens of routes to better reflect changes in ridership and traffic patterns.
- ▶ Submitted a Zero/Low Emission Bus Program grant application to the U.S. Department of Transportation for the purchase of 10 electric buses and charging stations.
- ▶ Published an updated Ride On system map that helps residents and visitors plan their travel using transit.
- ▶ Enhanced the Call-n-Ride program, a subsidized taxi service for low income seniors, by reducing age eligibility from 67 to 65, resulting in the addition of 445 participants to the program.
- ▶ Added a text alert option so Ride On customers can stay informed.
- ▶ In partnership with the Jewish Council for the Aging, held small support group discussions to help older adults assess their ability to safely continue to drive.



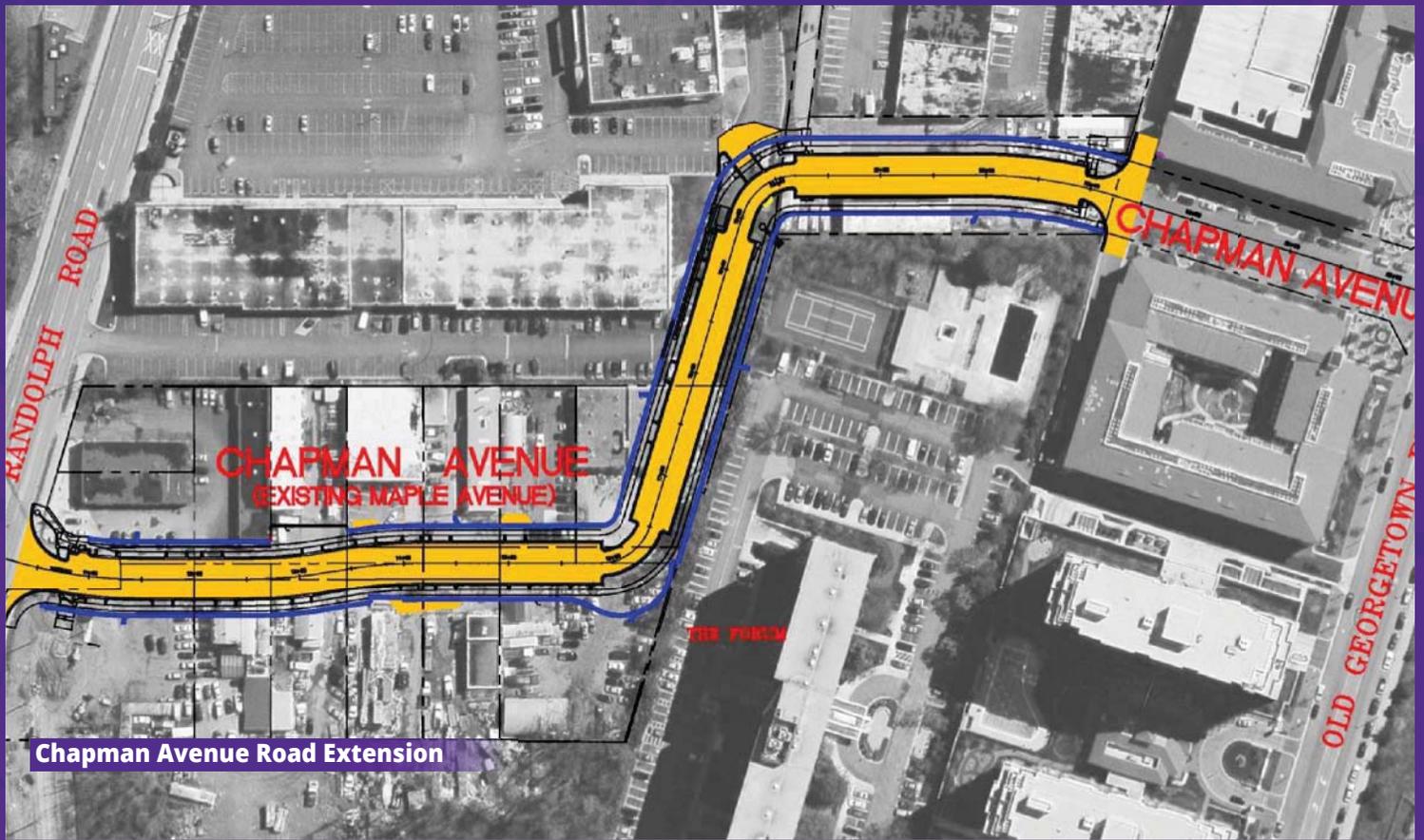


Needwood Road Bike Path

BIKEWAY, SIDEWALK AND TRAIL PROJECTS

MCDOT is building new facilities to expand alternative transportation options for a more walkable, bike-able and transit-friendly community.

- ▶ Completed the 1,300-foot-long Needwood Road Bike Path from Redland Road to Deer Lake Road -- part of a larger 1.7-mile bike path that will eventually extend to Muncaster Mill Road.
- ▶ Took the opportunity during roadway resurfacing projects to install bike lanes along:
 - Tuckerman Lane between the Strathmore Metro access and Rockville Pike
 - Riffle Ford Road between Brandon Way and MD 118
 - Broadbirch Drive between Tech Road and Plum Orchard Drive
 - Shady Grove Road between I-370 and Frederick Road
- ▶ Installed bike route signs and 'sharrow' pavement markings on several roads in the Bethesda and Friendship Heights areas to guide cyclists between Bikeshare stations.
- ▶ Began planning for separated bike lanes on Spring Street/Cedar Lane in Silver Spring.
- ▶ Installed two 'bike fixtations' along the Bethesda Trolley Trail that include items needed for basic bicycle maintenance and repairs, such as changing a flat tire or adjusting brakes.



ROAD PROJECTS

Montgomery County's comprehensive transportation plan provides balanced travel options for all. Ensuring there is an adequate road network to support those who have limited choices remains an important priority.

- ▶ Completed the extension of Chapman Avenue from Randolph Road to Old Georgetown Road – an important milestone in the transformation of White Flint. Also, reconstructed Maple Avenue, South of Randolph Road, and connected it to Chapman Avenue north of Old Georgetown Road.
- ▶ Opened an extension of Rainbow Drive from its former terminus to Thompson Road that included a four-foot-wide concrete sidewalk on the south side.
- ▶ Completed the Cherington Access Road (part of Montrose Parkway West) off Montrose Parkway and closed the old access road off East Jefferson Street.
- ▶ Completed an intersection improvement project by adding a third northeast-bound through lane on Sam Eig Highway from MD 119 to Diamondback Drive to provide congestion relief and enhance safety.
- ▶ Made safety enhancements and relieved traffic congestion by improving the intersection of Democracy Boulevard at Seven Locks Road.

TRAFFIC, PEDESTRIAN AND BICYCLE SAFETY

Montgomery County's award-winning pedestrian safety initiative is being emulated by communities throughout Maryland and is improving safety and access for pedestrians and bicyclists.

- ▶ Completed pedestrian safety improvements at Wayne Avenue and Fenton Street to enhance access to the new Silver Spring Library, including wider crosswalks, new ADA ramps, pedestrian push buttons and traffic signal changes that give time for pedestrians to cross before traffic gets the green light.
- ▶ At Seminary Road and Sutton Place, installed a pedestrian refuge island and other traffic calming measures, upgraded the sidewalk to meet ADA standards and planned streetlight enhancements.
- ▶ Participated in the fall and spring regional Street Smart pedestrian and bike safety campaigns.
- ▶ Promoted pedestrian safety and safe walking by holding a Silver Spring Zombie Walk during Halloween week.
- ▶ Conducted a Pedestrian Road Safety Audit on Lockwood Drive in the North White Oak/Burnt Mills area to identify safety issues and potential improvements that could make the roadway safer for pedestrians and bicyclists.
- ▶ Retimed all the traffic signals in the Silver Spring Central Business District to provide more time for pedestrians to cross the street.
- ▶ With the opening of the Silver Spring Transit Center (SSTC), enhanced traffic flow by making intersection, traffic signal and pavement marking improvements at the intersection of Colesville Road and the entrance to the SSTC, and at the intersection of Colesville Road, Second Avenue and Wayne Avenue.
- ▶ To improve school safety, activated new traffic signals at the Cedar Lane and Elmhirst Parkway/Stone Ridge driveway in Bethesda and at Snowden Farm Parkway and Grand Elm Street in Clarksburg.
- ▶ Reconstructed a traffic signal at Woodmont and Bethesda avenues and installed a new traffic signal at the intersection of Goshen and Warfield roads in Gaithersburg.
- ▶ Installed an advance warning signal along eastbound MidCounty Highway before the traffic signal at the Shady Grove Road intersection that is helping to reduce rear-end collisions.
- ▶ Used street teams to conduct seven pedestrian safety education events during the fall time change to promote extra caution when there are fewer hours of daylight.
- ▶ Hosted the first Montgomery County Bike Certification Seminar – a joint effort between MCDOT's Safe Routes to Schools Coordinator, Safe Kids, the City of Takoma Park Safe Routes to Schools Coordinator and the League of American Bicyclists. The seminar trained people on how to conduct an effective bike rodeo, including a bike safety inspection, helmet fitting, a safety lecture about the rules of the road and a student practice course.

PARKING

MCDOT operates three parking districts that provide on-street, lot and garage parking options in Silver Spring, Wheaton and Bethesda and supports Transportation Management Districts that encourage the use of transit and other commuting options.

- ▶ To encourage car-lite and car-free lifestyles, doubled the number of car share locations in Bethesda, Silver Spring and Wheaton garages to 28 parking spaces and introduced one-way trip options.
- ▶ Increased the number of electric vehicle charging stations at public parking facilities to 12, with the capacity to charge 24 vehicles.
- ▶ Completed parking meter installation in the Friendship Heights Transportation Management District.
- ▶ Continued roll-out of dynamic signage in parking garages that display real-time space availability and hourly rates.
- ▶ Increased use of pay-by-cell for parking, achieving 1.74 million sessions.
- ▶ Installed 13 pay-by-space master meters and upgraded two garages with 18 pay-on-foot machines to improve reliability and provide faster service.
- ▶ Installed 115 digital safety and security monitoring cameras at parking facilities.





Bike Racks in MCDOT Parking Garage



FOCUS ON THE BASICS



MCDOT Snow Clearing Operations

MCDOT is focused on providing excellent service by keeping our roads, bridges, sidewalks, bikeways and other facilities in good repair. We are dedicated to ensuring that our transportation and neighborhood infrastructure is safe, sound and reliable for everyone -- pedestrians, transit-users, bicyclists and drivers.

- ▶ Responded to “Snowzilla,” a record-setting storm that resulted in between 22 and 38 inches of snow. Worked around the clock for 10 days, mobilizing 1,100 pieces of equipment, keeping Ride On running longer than any other regional transit system, setting up strike teams of plows for each fire station battalion, hauling snow out of central business districts and other locations and clearing snow from bus stops used by 70 percent of Ride On passengers.
- ▶ Cleared 5,200 lane miles of County roads and 40 miles of bike and pedestrian trails of an average of 40 inches of snow from 14 storms.
- ▶ Maintained more than 900 lane miles of primary/arterial roads and more than 4,000 lane miles of residential/rural roads.
- ▶ Maintained about 2,000 miles of curbs and gutters.
- ▶ Maintained 28,800 streetlights. Installed 4,882 new streetlight lamps, replaced 609 streetlights and repaired 6,500 outages within an average of seven days.

INVESTED IN INFRASTRUCTURE

Resurfaced 106 lane miles of primary/arterial roadways

Resurfaced 231 lane miles of residential roads

Repaired 82 miles of sidewalks

Repaired 118 miles of curbs and gutters

Repaired/Installed 10,339 linear feet of sidewalk aprons

Installed 800 ADA sidewalk ramps



Road Resurfacing



New Curb Installation



Sidewalk Installation





Connecticut Avenue Crosswalk Improvements

Respond, Maintain and Improve

- ▶ Handled more than 44,660 MC311 resident requests for services, such as mowing, road repair or pothole repair, of which the majority were completed within five days.
- ▶ Through a MCDOT-led effort to improve coordination on projects, ensured the County's rehabilitation of the Edgemoor/Bradley Hills neighborhood was synchronized with a project by Washington Gas, and negotiated a cost-sharing arrangement with the utility to pay for road resurfacing.
- ▶ Conducted a Mock Snow Day and Snow Summit to prepare for winter storms.
- ▶ Began a County-wide sidewalk inventory to determine who is responsible for removing snow on thousands of tracts of land and right-of-ways.
- ▶ Fabricated and installed 8,500 traffic signs.
- ▶ Repainted 310 centerline miles of road markings, 671 crosswalks and 677 stop lines.
- ▶ Installed 3,561 linear feet of guardrails.
- ▶ Completed Sligo Creek Parkway Phase 3 drain repairs.
- ▶ Began rehabilitating neighborhood roads, sidewalks, curbs and gutters in Bel Pre Woods in Rockville, and sidewalks, curbs and gutters in College View in Kensington.
- ▶ Repaired 180 sensors at 93 signalized intersections.

► To improve traffic flow, retimed 109 traffic signals on:

- Clarksville Pike from Olney Mill Road to Dr. Bird Road, Olney
- Frederick Road from Shady Grove Road to Veirs Mill Road, Rockville
- Shady Grove Road from Airpark Road to Frederick Road, Derwood to Gaithersburg
- Spencerville Road from Old Columbia Pike to Columbia Pike, the Burtonsville Shopping Center and National Drive, Burtonsville
- Columbia Pike from University Boulevard to Blackburn Road, Silver Spring to Burtonsville
- New Hampshire Avenue from Midland Road to Piney Branch Road, Colesville to Silver Spring
- Piney Branch Road from New Hampshire to Sligo Avenue, Silver Spring
- University Boulevard from Inwood to Carroll avenues, Silver Spring to Takoma Park

- Layhill Road from the ICC to Glenallan Road, Aspen Hill to Silver Spring

Bridges

- Completed 22 bridge renovations.
- Completed rehabilitation of the Valley Road Bridge, Bethesda. Residents could follow the progress online by viewing time lapse video.
- Completed an erosion abatement project at Falls Road Bridge, Rockville.
- Began a project to replace the 1940-vintage Elmhirst Parkway Bridge, located between West Cedar Lane and Elmhirst Lane, Bethesda.
- Inspected 118 scour-prone bridges.
- On bridges that restrict heavy vehicle use because of concerns about bridge condition, began a new load testing program to obtain more accurate assessments that may permit restrictions to be lifted and eliminate premature, costly rehabilitation projects.



Valley Road Bridge Rehabilitation

PROMOTE SMART GROWTH AND TRANSPORTATION ALTERNATIVES



Bikeshare Station at East West Highway and 16th Street

MCDOT supports using smart growth principles to better connect our urban, suburban and rural communities with housing and transportation choices near jobs, shops and schools. We promote sustainable transportation options such as biking, walking, and public transportation to reduce traffic congestion and pollution.

- ▶ Continued leading the effort on the Wheaton Revitalization project, which is being designed to meet LEED Platinum standards. The project will transform the Mid-County Regional Services Center building and adjacent parking lot into a County office building, Town Square civic space, underground parking garage and Triangle Lane retail space.
- ▶ Recruited members for the newly-established Greater Shady Grove Transportation Management District Advisory Committee.
- ▶ Expanded the County's Bikeshare program:
 - Increased the number of Bikeshare stations to 57

- Negotiated with developers to incorporate Bikeshare stations into planning for future developments to serve residents and/or employees
 - Conducted outreach to businesses, apartment complexes and hotels to promote Bikeshare and different types of membership and sponsorship opportunities
 - Coordinated with Rockville and Takoma Park to promote Bikeshare
 - Established the MCLiberty program that provides free bikeshare memberships to eligible, low income residents and reached out to County departments and agencies to promote the program
 - Held six free, bike safety training classes for MC Liberty Bikeshare program participants that were also made available to others at very low cost
- ▶ Using a grant from the Metropolitan Washington Council of Governments, provided free consulting services to employers to help them establish telework programs.
 - ▶ To promote transit alternatives and benefits programs, conducted 198 worksite-based outreach events to reach employees and held more than 450 employer meetings.
 - ▶ Hosted webinars to promote transit benefits programs.
 - ▶ Worked with advisory committees in all five Transportation Management districts to obtain input from business and civic representatives.
- ▶ Implemented Transportation Management District (TMD) legislative mandates by collecting fees, ensuring compliance with traffic mitigation plans and requesting annual reports from TMD employers.
 - ▶ Through Commuter Services' outreach, added 174 employers who adopted transportation control measures to reduce solo driving.
 - ▶ Established a "Next Generation Transportation Demand Management" (TDM) work group to streamline processes, increase the impact of traffic mitigation remedies and provide a menu of options to help developers meet TDM goals.
 - ▶ Completed three traffic mitigation agreements for new developments that incorporated strategies to promote the use of non-auto travel options by residents, employees and visitors.
 - ▶ Made substantial improvements to the Annual Commuter Survey, resulting in a record 11,000 surveys returned. The survey assesses how employees get to work and the factors that influence their decision-making.
 - ▶ Encouraged use of Commuter Services' incentives and tools to reduce solo driving by:
 - Adding more than 450 new employers to Commuter Services' database
 - Making more than 5,000 follow-up contacts to employers
 - Holding presentations for more than 450 employers
 - Making 68,000 contacts at more than 4,000 businesses and organizations; and
 - Holding 198 commuter information fairs at worksites

ENHANCE ENVIRONMENTAL QUALITY



2nd Annual GreenFest

MCDOT's goal is to move people and connect places in an environmentally-friendly way that emphasizes sustainability. We strive to reduce the impact of the County's actions on the environment by keeping pollutants out of waterways, enhancing air quality and energy efficiency, and reducing waste.

- ▶ Participated in Montgomery County's second annual Greenfest to inform thousands of attendees about MCDOT's commitment to creating a sustainable transportation system and the department's green initiatives. MCDOT Director Al Roshdieh was a featured speaker at the "Leave Your Car at Home" workshop.
- ▶ Used vacuum trucks to collect about 130,000 cubic yards of leaves for composting.
- ▶ Swept more than 4,000 miles of County roadways and removed more than 1,265 tons of debris that would have otherwise polluted County waterways.
- ▶ Collected 342 tons of trash from bus stops, keeping this waste out of storm drains.
- ▶ Recruited and managed Adopt a Road program volunteers who keep 415 road segments litter free.
- ▶ Improved the health, diversity and expanse of the County's tree canopy of 500,000 street trees by inspecting more than 29,730 trees; pruning about 8,150; planting nearly 1,000 new ones; removing 200 dead or diseased trees; and removing about 1,785 tree stumps.

- ▶ Put 57 compressed natural gas and clean diesel Ride On buses into service, retiring older, more polluting buses.
- ▶ Installed 500 LED light fixtures in parking garages to improve lighting levels and reduce energy consumption.
- ▶ Sponsored the Keep Montgomery County Beautiful Committee and its annual awards program to recognize landscaping projects that incorporate environmentally sensitive designs.
- ▶ Regularly inspected MCDOT's depots and facilities to ensure their operations meet pollution prevention operating standards and trained employees about ways to reduce hazardous substances, waste or contaminants in their day-to-day activities.
- ▶ Sponsored a Community Service Day activity for employees and the public that removed litter from a neighborhood, improved the appearance of the community and kept pollutants out of our waterways.



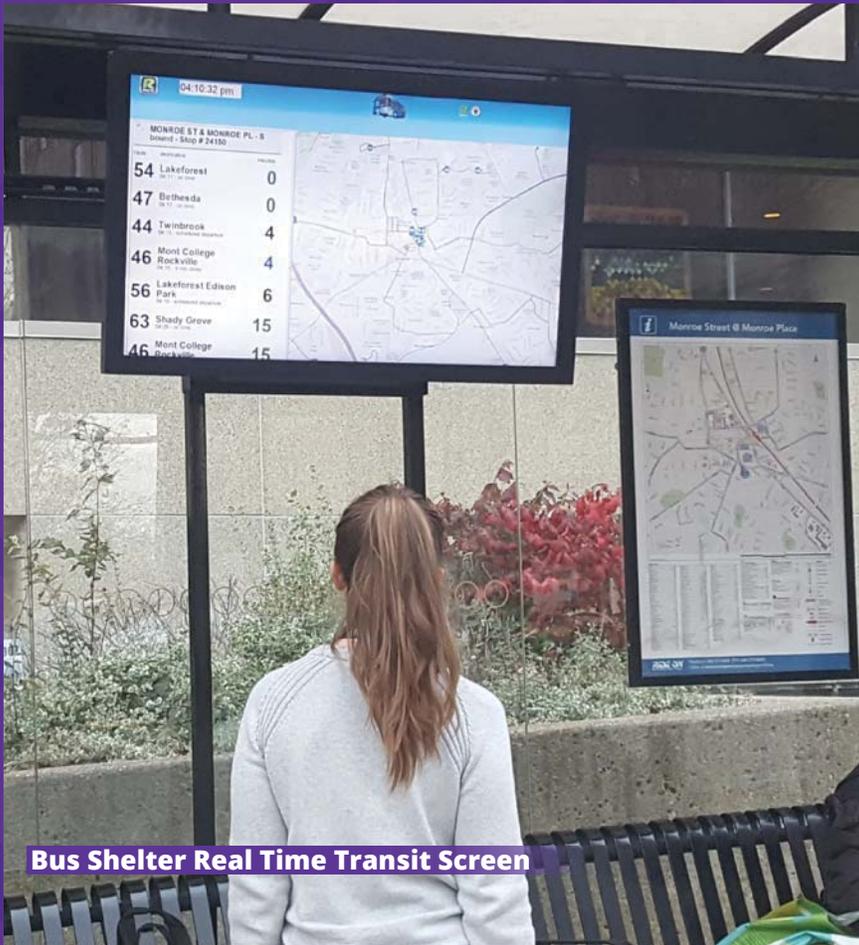
Community Service Day Clean Up

USE TECHNOLOGY TO IMPROVE SERVICES AND CUT COSTS



MCDOT embraces new and emerging technologies and innovation to enhance our transportation system and improve traveler information, services, choice and convenience.

- ▶ Introduced a new Call-n-Ride program swipe card system that helped reduce the average cost per trip from \$23 in 2012 to \$16. The savings funded three more trips per month for each participant.
- ▶ Began using mobile technologies and social media to document transportation project progress and communicate project updates to the public.
- ▶ Completed installation of a system to remotely control 140 school zone flashers to accommodate changes in school start times.
- ▶ Installed 1,100 “smart,” on-street, parking meters in Silver Spring that expand payment options to include credit cards, use a solar-powered battery, have a high visibility display and allow for real-time communication capabilities to identify broken meters.
- ▶ Featured in a National Public Radio story about transit systems across the country that are using technology and data to improve service and information access for customers. Ride On was cited as “an early adopter of these technologies, ahead of most agencies its size.”
- ▶ Launched a new MCDOT Bikeways Program website that is more user-friendly, offers additional information about the program and current projects, and features an interactive bikeways map.



Bus Shelter Real Time Transit Screen



REACH OUT TO OUR COMMUNITY



Back to School Day at Bells Mill Elementary School

The public is MCDOT's partner in creating a 21st century transportation system. MCDOT is committed to keeping our customers connected, informed and engaged.

- ▶ Staffed a booth at the Montgomery County Agricultural Fair and provided information to about 10,000 people on commuting options and transportation alternatives.
- ▶ For the second year, Transit Services participated in the Montgomery County Public Schools' Back-To-School Fair by distributing youth rider information and selling Youth Cruiser SmarTrip cards.
- ▶ Held a White Flint Transportation Open House for the community to present information about upcoming transportation projects and encourage greater use of commuting options.
- ▶ Celebrated Walk to School Day at Bells Mill Elementary School in Potomac and promoted it through social media and a Safe Routes to School contest.
- ▶ Worked with schools to educate students about Halloween pedestrian safety.
- ▶ Celebrated Bike to School Day by supporting participating schools. Partnered with the Takoma Park Safe Routes to School Coordinator and Safe Kids to provide bike helmets, and conduct a bicycle helmet safety check for children at Piney Branch Elementary School.

- ▶ Celebrated Car Free Day and conducted outreach at transit centers, Metrorail stations and bus stops to encourage use of transportation alternatives.
- ▶ Participated in the County Executive's Summit on Aging by hosting two workshops to discuss transportation issues affecting seniors and persons with disabilities.
- ▶ Participated in a Seniors Walk-Along and workshop sponsored by Gaithersburg to identify ways to enhance pedestrian safety and access near senior housing developments for seniors and those with disabilities.
- ▶ To assist the Maryland Department of Transportation, which is required under state law to provide bicycle safety information to cyclists, MCDOT distributed fact sheets to County school bus drivers and bike shops.
- ▶ Conducted a Call-n-Ride (service for seniors and persons with disabilities) Customer Satisfaction Survey that yielded 835 completed surveys.
- ▶ Held the 30th annual Give and Ride program to help needy families, collecting 6,258 pounds of food and baby supplies for Manna Food Center. Ride On bus passengers who donated an item received a free bus ride in exchange.
- ▶ Launched Ride On Review, a quarterly e-newsletter to share updates and good news about Ride On.
- ▶ Celebrated Bike to Work Day by hosting six County pit stops that attracted 1,900 participants.
- ▶ Held the annual Walk & Ride Challenge in the County's five transportation management districts to promote walking and transit use among employees, who took 104 million steps during the three-week contest. Participants included 164 teams with about 780 members representing more than 66 individual employers.
- ▶ Joined the regional celebration of Bikeshare's fifth anniversary by hosting events in Rockville, Silver Spring and Bethesda and promoted MCDOT's MCLiberty low-income bikeshare program.
- ▶ Hosted a presentation by the Maryland Transit Administration (MTA) on the Purple Line project. MTA staff discussed project scope adjustments to provide greater flexibility and cost savings.
- ▶ Held a Ride On bus "Roadeo" where operators competed to demonstrate their driving skills. Last year's Ride On winner, Alex Folgar, placed seventh in the international competition.
- ▶ Sponsored Arts on the Block student artists who created mosaic designs installed on 20 'knee walls' at County bus stops.
- ▶ Held eight Ride On Customer Appreciation Days to thank customers for their commitment to using transit.
- ▶ Hosted international delegations from across the globe who visited MCDOT's world class facilities to learn more about the County's transportation system.
- ▶ Mailed 110,000 newsletters about 114 road maintenance projects.

FY16 BY THE NUMBERS

BIKES AND PEDESTRIANS

Crosswalks restriped	671
Safe Routes to School safety evaluations	30
Students served by bike rodeos	650
Intersections upgraded with Accessible Pedestrian Signals	10
Traffic calming measures	2 completed, 5 in progress
Number of schools where comprehensive pedestrian and traffic safety evaluations were conducted	8
Bus stops compliant with ADA standards	3,025
Number of Bikeshare stations	57
Number of pedestrian signals retimed to allow more time for crossing	119

BRIDGES AND STORM DRAINS

Bridge renovations completed	22
Number of rehabilitated bridges	1
Scour-prone bridges inspected	118
Bridges and box culverts maintained	370

LEAVES AND TREES

Cubic yards of leaves collected for composting	128,000
Number of households receiving vacuum leaf collection	120,000
Tree inspections completed	29,734

Foliage work orders received	204
Trees pruned	8,147
Dead or diseased trees removed	200
Trees planted	951
Tree stumps removed	1,784
Street trees maintained by County	About 500,000



PARKING

Parking spaces designated for car sharing services in Bethesda, Silver Spring and Wheaton parking garages	28
County garage spaces with electric vehicle chargers	24
Projected yearly savings as a result of installing LED lights in Woodmont Garage	\$277,317
“Smart,” on-street parking meters installed in Silver Spring	1,100

ROAD MAINTENANCE

Number of Storm Operations Center activations	11
Average inches of snow removed Countywide during winter season	40
Lane miles of County-maintained pavement rated by the Pavement Condition Assessment Survey	5,261
Potholes filled	4,470
Lane miles of residential/rural roads resurfaced	157
Lane miles of residential/rural roads patched	74
Lane miles of primary/arterial roads resurfaced	106
Miles of curbs and gutters repaired	17
Lane miles of roads swept	4,056
Tons of debris kept out of waterways through annual street sweeping program	1,265
Lane miles of roads rehabilitated	38
Road segments maintained by Adopt A Road volunteers	415
Acres of public property mowed 11 times	253
Households receiving notifications about resurfacing and road projects through the mail	110,000
Number of driveway aprons repaired	10,339
Linear feet of storm drain culverts replaced	11,655
Number of storm drain inlets cleaned	774



Cleaning of Storm Drains

STREETLIGHT IMPROVEMENTS

Streetlights maintained	28,800
New streetlight lamps installed	4,882
Streetlight outages repaired within an average of seven days	6,500
Streetlights replaced	609
Money received in LED rebates	\$44,000
Number of LED streetlights installed along Gude Drive between Calhoun Place and Southlawn Lane	101
New streetlights evaluated and authorized	350
New streetlight cost proposals reviewed and approved	110
Streetlight poles replaced	75
Streetlight poles painted	100
Streetlight handhole covers installed	500

TRAFFIC IMPROVEMENTS

Traffic-related MC311 service requests	44,666
Traffic signal outages repaired	950
Traffic signs fabricated and installed	8,500
Traffic emergencies managed	145
Major events for which traffic control was provided	14
Feet of guardrail installed	3,561
Intersection and spot improvements studied, designed or constructed	14
New traffic signals constructed	1
Miles of centerline pavement markings painted	310
Number of stop lines painted	677
Traffic work orders prepared and approved	2,202
Traffic control plans reviewed and approved	480
Traffic signals converted to LED lights	250
Miles of raised pavement markers installed	56
Number of school flashers converted to remote control system	140



TRANSIT

Number of bus stops improved by MCDOT's eight-year Bus Stop Improvement Program	3,025
Pounds of food collected during Give and Ride campaign	6,258
People reached by Ride On Twitter	3.5 million
People reached by Ride On Facebook	211,617
Total number of Ride On trips	24.5 million
Number of Call-N-Ride participants	5,706
New Call-N-Ride participants recruited	445
People served by Connect-A-Ride	3,375
Number of Ride On buses	343
Number of Ride On bus routes	78
Number of Ride On daily boardings	80,400
Percentage of Ride On buses that use clean or alternative fuels	100
Square feet of sidewalk installed to complete paths to bus stops	316
Square feet of concrete pads installed at bus stops	1,436
Number of knee walls installed at bus stops to improve safety for wheelchair users	3
Tons of trash removed from bus shelters and transit centers	342

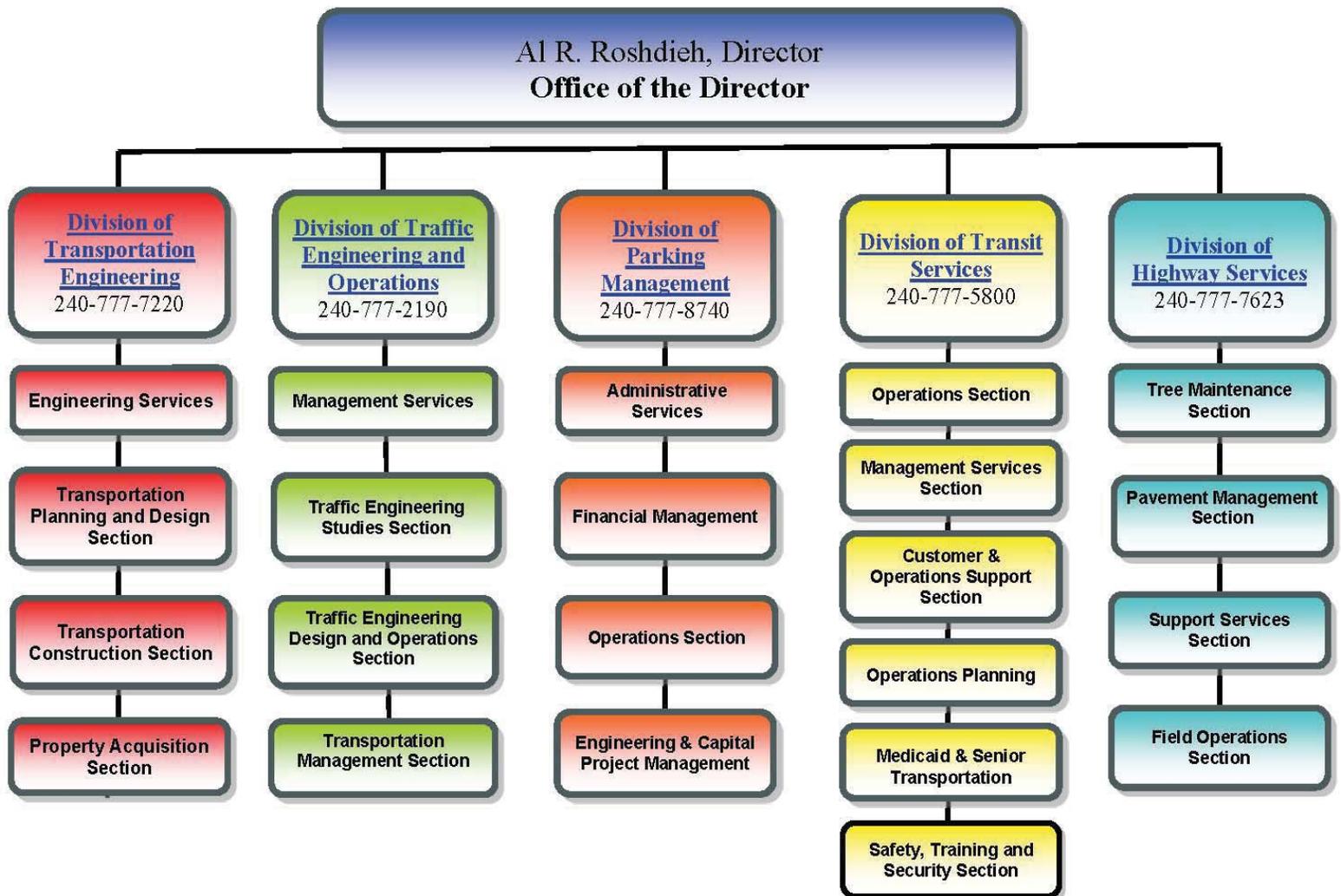
COMMUTER SERVICES

New employers added to the Commuter Services database	450
Commuter Services presentations made to employers	450
Number of Commuter Information Fairs conducted for employees at worksites	198
Follow-up contacts made to employers already in the Commuter Services database	More than 5,000
Number of contacts made by Commuter Services to employers	68,000
Annual commuter surveys returned	More than 11,000

WHO WE ARE

The Montgomery County Department of Transportation (MCDOT) is committed to delivering the first-rate, multimodal transportation system that Montgomery County needs. We strive to create a well-functioning, balanced transportation system that uses our roads more efficiently and supports walking, bicycling and transit use. We build and maintain the transportation infrastructure; reduce traffic congestion; increase mobility; improve pedestrian, bicyclist and vehicle safety; provide transit and alternative transportation services; and promote access to our central business districts. None of this could be accomplished without the commitment and talent of our 1,300 outstanding employees who provide our community with the very best transportation network possible.

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT)





MCDOT'S ORGANIZATION

The Director's Office manages transportation policy by coordinating with regional and state transportation systems and agencies and developers on land use and development proposals, traffic mitigation agreements, master and sector plans, and regional transportation priorities; plans and constructs a Bus Rapid Transit system; oversees the County's Bikeshare program; and manages commuter services, taxicab regulation and community outreach programs.

The Division of Highway Services maintains and repairs the County's transportation infrastructure. It rebuilds and repairs roadways, sidewalks, curbs and gutters; cleans and rebuilds storm drains and culverts; maintains and plants trees; removes snow from roadways and sidewalks; provides vacuum collection of leaves; and cares for right-of-ways by removing litter and mowing.

The Division of Parking Management helps Montgomery County achieve its economic development and transportation management goals by creating and managing public parking in commercial areas and creatively repurposing parking properties.

The Division of Traffic Engineering manages the County's road network to enhance safety for all users. It ensures safe and efficient traffic flow; provides crosswalks and roadway markings; installs and maintains traffic signs, streetlights and traffic signals; and improves pedestrian and traffic safety using traffic calming and other measures.

The Division of Transit Services operates the County's Ride On bus system; improves bus stops to meet accessibility standards; maintains bus stops; and manages transportation services for seniors, persons with disabilities and low income residents.

The Division of Transportation Engineering designs and constructs transportation systems and infrastructure, including bikeways, sidewalks, transit facilities, ADA ramps, roads and storm drains; inspects, maintains and builds bridges; and acquires property for projects.

MCDOT

Montgomery County Department of Transportation

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