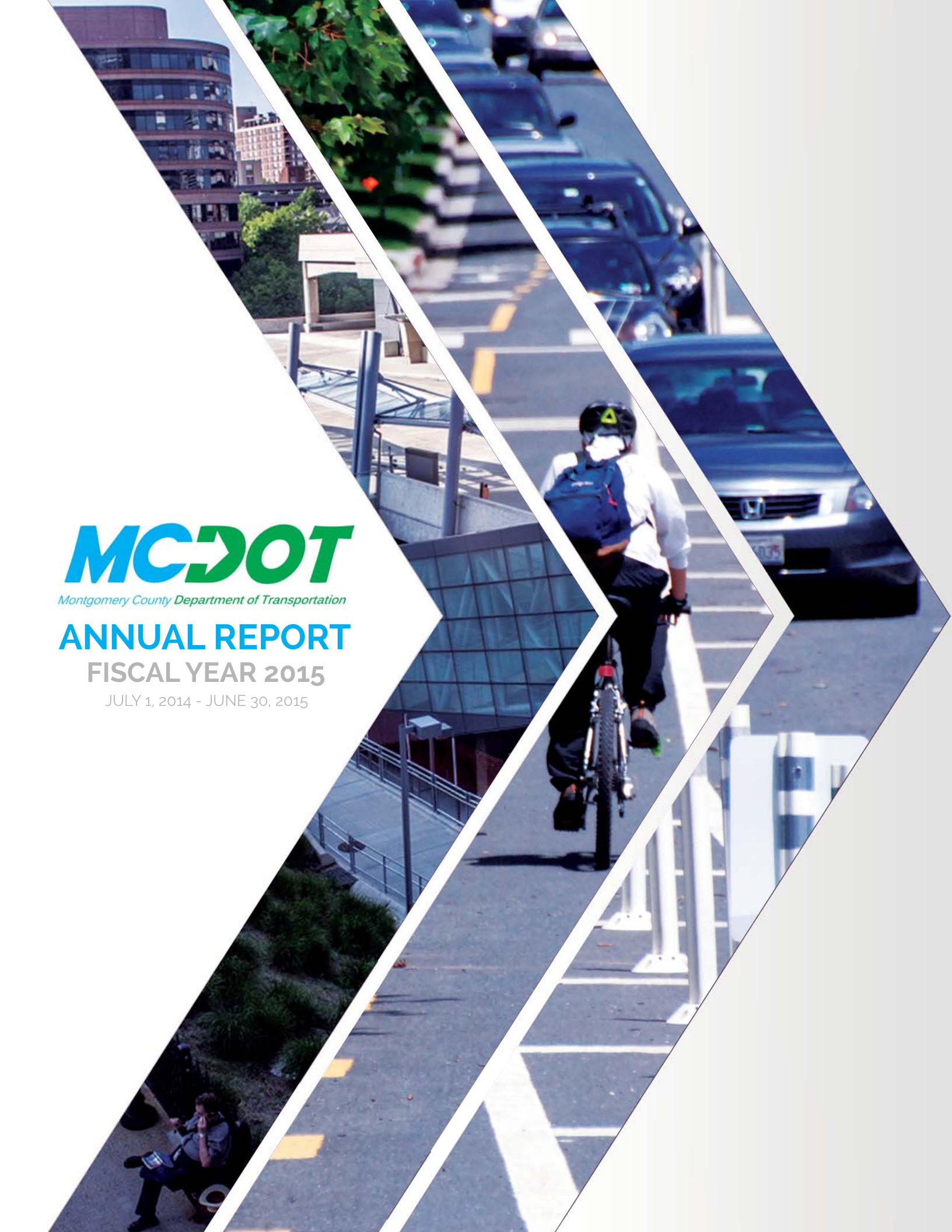# MCDOT

Montgomery County *Department of Transportation*

ANNUAL REPORT
FISCAL YEAR 2015
JULY 1, 2014 - JUNE 30, 2015

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

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, efficient and reliable transportation system that enhances 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

Montgomery County is recognized as a national leader in innovation and technology. At the Montgomery County Department of Transportation (MCDOT), we are supporting travel alternatives, improving safety and embracing cutting edge solutions through our work each day. MCDOT is committed to delivering the first-rate, multimodal transportation system that our residents deserve. The implementation of Capital Bikeshare, traffic signal modernization, smart parking meters and our ongoing Pedestrian Safety Initiative are just a few of our diverse projects and programs. We are also planning for a future with more jobs, more people and more options through transformative projects such as the Bus Rapid Transit System and the Purple Line Light Rail System.

MCDOT
Montgomery County Department of Transportation

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AWARDS AND PRESENTATIONS

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

Received rebates totaling $51,000 from EmPower Maryland for installation of energy efficient LED streetlights.

Earned the Employer of the Year Award for Ride On from Community Services for Autistic Adults and Children, Inc.

Was honored by the Metropolitan Washington Council of Governments Employer Recognition Awards. Eight of the nominees and three winners were employers in Montgomery County.

For the 19th consecutive year, won designation as a Tree City USA from the Arbor Day Foundation for MCDOT's commitment to effective urban forest management.

Received 'Best in Show' and 'First' in the Promotional Category from the National Association of Government Communicators (NAGC) Blue Pencil and Gold Screen Awards for the YOLO (You Only Live Once) Pedestrian Safety Campaign. YOLO aims to reduce pedestrian collisions among high school students.

Was honored by Public Technology Institute (PTI) with a Technology Solutions Award for a BikeShare Station Site Identification and Property Verification program, making Montgomery County, for the second consecutive year, the only jurisdiction in the Washington D.C. area to win recognition from PTI.

Received five Achievement Awards from the National Association of Counties for: Social Solutions in Public Works, IFB Generator Application, Parking Lot Pedestrian Safety Education Campaign, Ride On RealTime and Traffic Signal System Modernization.

Co-chaired the Pedestrian and Bicycle Emphasis Area Team for Maryland's 2016 Strategic Highway Safety Plan to find ways to reduce the number of annual traffic fatalities in Maryland by 17 percent by 2020.

Received the Transportation Association of Maryland Award recognizing Ride On as the Transit System of the Year for large bus systems.

Won the outstanding program award for Ride On's "Meet the MARC" outreach efforts.

INCREASED INNOVATIVE BICYCLING INFRASTRUCTURE

MCDOT's Division of Transportation Engineering installed the County's first cycle track on Woodglen Drive in Bethesda between Edson Lane and Nicholson Lane, connecting the Bethesda Trolley Trail to parts of Rockville. The cycle track will eventually extend to the White Flint Metro Station. The eight-foot-wide path accommodates two-way bike traffic. A two-to-three-foot buffer, bordered by flexible posts, separates the track from the curb, protecting bicyclists from through traffic and parked vehicle doors. The project includes a bike box, a colored area at the signalized intersection that gives bicyclists a head start by providing a place to pull in front of stopped traffic at a red light.

WON AGREEMENT TO ELIMINATE RED LINE TURNBACKS AT GROSVENOR

After a decade of effort by MCDOT, the Washington Metropolitan Area Transit Authority (WMATA) Board voted to eliminate turnbacks on the Metrorail Red Line at Grosvenor during the peak period. All trains from downtown Washington D.C. will continue through the entire route, ending at Shady Grove, rather than every other train from downtown turning around at Grosvenor. Eliminating this turnback has been one of the County's highest transit priorities. The service change is expected to take place in the summer of 2018.

OPENED THE CAPITAL CRESCENT GARAGE

MCDOT's Capital Crescent Garage opened to the public, tripling the number of parking spaces available in this popular location to 960 and adding mixed use development with retail, 250 residential units and 290 private parking spaces for tenants. Located in Bethesda on Woodmont Avenue, between Bethesda Avenue and Leland Street, the garage features a parking availability system that wirelessly tracks the number of available parking spaces on each garage level and displays the information outside every entrance and on each floor. It also has electric vehicle charging stations. To build the garage, MCDOT used its successful public/private partnership model that is enhancing redevelopment in the County's urban cores.

CELEBRATED RIDE ON'S 40TH ANNIVERSARY

In the spring, Ride On, the largest regional bus system outside of Metro, commemorated its 40th anniversary with an event that included County Executive Ike Leggett, County Councilmembers, General Assembly representatives, regional partners, and many others. Ride On provides 26 million trips a year. To mark the occasion, Ride On offered free rides on Bike to Work Day to anyone combining a bike trip with Ride On and held three Customer Appreciation events during the week of celebrations.

PEDESTRIAN COLLISIONS SIGNIFICANTLY DECLINED

Overall pedestrian collisions in Montgomery County declined by 16 percent in 2014 compared to 2013, falling from 483 to 405. Most significantly, severe collisions, in which pedestrians are either killed or incapacitated by their injuries, declined by 13 percent to an eight-year low of 74, compared with 85 in 2013. Nine pedestrians were killed in 2014, compared to 13 in 2013. A reduction in speeding resulting from traffic calming, the use of speed cameras and other safety improvements implemented under County Executive Ike Leggett's Pedestrian Safety Initiative are credited with reducing the severity of pedestrian collisions.

PROMOTED PEDESTRIAN SAFETY TO HIGH SCHOOLERS

In partnership with Montgomery County Public Schools, launched the YOLO (You Only Live Once) Campaign to reduce pedestrian crashes among teens by raising awareness of the dangers of distracted walking. A YOLO toolkit was sent to each high school and a website with resources was created to help school communities encourage safe pedestrian practices. The YOLO campaign received national attention and won a National Association of Counties Achievement Award.

IMPROVE THE TRANSPORTATION NETWORK WITH ACCESS FOR ALL

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

ACCOMPLISHMENTS

▶ Reduced pedestrian collisions near schools by 80 percent through the Safe Routes to School program that assessed all of the County's 202 elementary, middle and high schools to improve pedestrian, bicycle and traffic safety.

▶ Continued progress to award a contract for the Maryland (MD) Route 355/Rockville Pike Crossing Project that will build an underground crossing to relieve BRAC-related traffic congestion and promote pedestrian safety at the Walter Reed National Military Medical Center in Bethesda. Design is underway with construction expected to begin in spring 2017.

▶ Studied, planned, designed and constructed nearly 100 transit, bikeway, road and sidewalk projects.

▶ Tested a turn warning alert system on four Ride On buses that audibly warn pedestrians that a bus is turning.

▶ Improved Fawsett Road, the first private road to be brought up to County standards under a new policy that allows homeowners who live on such roads to pay 90 percent of the cost of the upgrades. Once the upgrades are completed, MCDOT takes over maintenance of the road, including road repairs and snow removal.

BUS RAPID TRANSIT (BRT)

MCDOT is committed to creating a BRT system in Montgomery County. The BRT will use specially designed vehicles and offer features such as frequent all-day service, off-board fare collection, rail-like stations, well-designed routes, real-time passenger information, easy access and low emission vehicles.

▶ Created and met with Corridor Advisory Committees to give local community stakeholders an opportunity to provide input on BRT development during facility planning and design of systems for MD 355 North (north of Rockville Metro Station); MD 355 South (south of Rockville Metro Station); US 29 North (north of New Hampshire Ave); US 29 South (south of New Hampshire Ave); and MD 586 (Veirs Mill Road).

▶ Developed goals, values, and evaluation measures for the BRT system to create a clear, understandable and objective method for evaluating alternatives.

▶ Submitted a TIGER grant application to fund a Ride On Extra service on Maryland Route 355 between the Lakeforest Transit Center and the Grosvenor Metrorail Station. The request included funding for 14 all-electric buses for an 11-mile/14-station system; adding 17 Bikeshare stations; and providing Transit Signal Priority at 31 intersections.

RIDE ON

Ride On is the largest transit system in the region next to Metrobus, featuring 343 buses, 78 routes, 26 million annual riders and 88,000 daily boardings.

▶ Continued planning for Boyds transit improvements, Lakeforest and Germantown transit centers, Upcounty Park & Ride Lot expansion and the Milestone Transit Center/Park & Ride Lot.

▶ Made improvements on 25 Ride On bus routes to upgrade service for thousands of riders a day that included adding trips, increasing hours of bus operations and improving the accuracy of schedules.

▶ Ordered 57 new Ride On buses for delivery in 2016.

▶ To comply with the certification process to show that Ride On does not discriminate in providing its services, completed 10,800 customer surveys.

▶ Began a new service called "Meet the MARC," Ride On Route 94, that connects Clarksburg Village to the Germantown MARC Station.

▶ To enhance accessibility at bus stops, installed 2,323 feet of new sidewalks and 3,190 square feet of concrete pads. More than 90 percent of Ride On's 5,400 bus stops are now ADA compliant.

▶ Provided more than 16,000 trips each month through special Medicaid and senior transportation programs, including 122,800 yearly trips for low income and disabled participants in the Call-N-Ride program.

▶ Cleared snow from bus stops with 40 or more daily boardings.

▶ Began selling SmarTrip Youth Cruiser cards at all Montgomery County public libraries and 32 public middle and high schools.

BIKEWAY, SIDEWALK AND TRAIL PROJECTS

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

- Submitted a grant application to the Maryland Department of Transportation to fund the design of a MD 355/Frederick Road Shared Use Path in Clarksburg from Snowden Farm Parkway to Stringtown Road.

- Submitted a $50,000 grant application to the Transportation Planning Board to fund planning and design of wayfinding signage around the Bethesda Metrorail Station.

- Submitted a Maryland Department of Transportation Bikeways Grant application for $500,000 in state funding for 10 bikeshare stations in Wheaton.

- Improved one-third mile of sidewalks at schools to enhance pedestrian and bike safety.

- Constructed the MacArthur Boulevard Bikeway, Segment 2, which extends from I-495 to Oberlin Avenue.

- Installed and marked bike "sharrows" on 22 road segments in the Rockville and Silver Spring areas.

- Installed two "bikefixations," or bicycle repair stations, along the Bethesda Trolley Trail at the intersection of the trail with Edson Lane and Woodglen Drive and at the intersection of Beech Drive and Montgomery Avenue. The stations are equipped with everything needed for basic bicycle maintenance.

- Completed plans for the Bradley Boulevard Bikeway and continued planning for the Tuckerman Lane sidewalk/bikeway between Gainsborough Road and Old Georgetown Road.

- Planned installation of bike lanes along four road segments during road resurfacing: Tuckerman Lane between Strathmore and Rockville Pike in Rockville; Riffle Ford Road between Brandon Way in Gaithersburg and MD 118 in Germantown; Broadbirch Drive between Tech Road and Plum Orchard Drive in Silver Spring; and Shady Grove Road between I-370 and Frederick Road in Gaithersburg.

- Designed bike paths, including the Frederick Road Bike Path, between Stringtown Road and the existing hiker-biker path near Milestone Manor Lane; two missing trail segments on the Metropolitan Branch Trail between the Montgomery College Silver Spring Campus and Ripley Street; and the Ripley Street Improvements, which included a new sidewalk.

- Completed preliminary engineering for bikeway and pedestrian projects, including the Capital Crescent Trail east of Wisconsin Avenue, and pedestrian and bicycle crossing improvements at the trail's intersection with Bethesda and Woodmont avenues.

- Began construction of the Bethesda Trolley Trail Wayside II, and designed the Clopper Road shared use path section 3; Nebel Street separated bike lane; Nicholson Road cycle track; and Goldsboro Road sidewalk/bikeway between River Road and MacArthur Boulevard.

- Evaluated five Bicycle and Pedestrian Priority areas in Glenmont, Grosvenor, the Silver Spring Central Business District, Veirs Mill/Randolph Road and Wheaton Central Business District for access upgrades.

ROAD PROJECTS

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

▶ Opened a 2,600-foot portion of Century Boulevard in Germantown, extending from underneath Father Hurley Boulevard to Kinster Drive. The road will eventually connect with the future Dorsey Mill Road.

▶ Completed the Cherington Access Road (part of Montrose Parkway West).

▶ Relocated utilities to prepare for future construction on Snouffer School Road (north) and Tuckerman Lane at Seven Locks Road.

▶ Brought projects to final design, including Redland Road from Crabbs Branch Way to Baederwood Lane; Chapman Avenue Extended from Randolph Road to Old Georgetown Road; Huntmaster Road; and the Thompson Road-Rainbow Drive Connector, and reconstructed Wapakoneta Road.

▶ Conducted a traffic study and began design for traffic signals at Snowden Farm Parkway and Grand Elm Street, near the Wilson Wims Elementary School, to improve pedestrian and traffic safety.

▶ Continued designing Platt Ridge Drive Extended from Jones Bridge Road to Montrose Drive; the Clarksburg Connector that extends Clarksburg Square Road to MD 355; and the widening of Snouffer School Road between Sweet Autumn Drive and Centerway 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.

▶ Made pedestrian and traffic safety improvements in Silver Spring at:
- Wayne Avenue at Fenton Street. Installed wider crosswalks, ADA ramps and push buttons to improve access to the new Silver Spring Library.
- Seminary Road at Sutton Place. MCDOT added a pedestrian refuge island and other safety features, including upgrades to the sidewalk.
- Completed pedestrian safety improvements on Fenton Street.
- Converted streetlights to LED on Fenton Street between Colesville Road and Wayne Avenue.

▶ Installed traffic calming measures at:
- Victory Lane at Greenlane Drive next to Winston Churchill High School, Potomac.
- Falls Chapel Way at Willow Valley Drive next to Cold Spring Elementary School, Potomac.
- Wickham Road, Olney.
- Morningwood Road in the Olney Business District. Also added a mid-block crosswalk and ADA ramps.

▶ Completed pedestrian safety/traffic calming projects at Bauer Drive at Russet Road (pedestrian refuge island); Bauer Drive at Greenspan Lane (curb extensions); Dale Drive at Mansfield Road (pedestrian refuge island); Seminary Road at Sutton Place (pedestrian refuge island); Victory Lane at Greenlane Drive (curb extensions and crosswalk); and Falls Chapel Way at Willow Valley Drive (curb extensions and crosswalk).

▶ Conducted a Pedestrian Safety Audit in Silver Spring on Bel Pre Road, between St. Matthew Presbyterian Church and Beaverwood Lane.

▶ Suggested modifications to the proposed "Road Code" bill to provide a more flexible approach to creating an improved pedestrian and bicycle friendly urban environment that enhances safety.

▶ Conducted 12 comprehensive and eight partial Safe Routes to Schools evaluations.

PARKING

MCDOT operates four parking districts in the urbanized areas of the County, providing on-street, lot and garage parking options in Silver Spring, Bethesda, Wheaton and Montgomery Hills.

▶ Began taking registrations for a new, online residential parking permit system that eliminates the need for paper permits, makes the process of getting a permit faster and easier and instantly provides permits for new vehicles and visitors. The system will be phased in as each area becomes eligible for renewal.

▶ Completed a pilot program to test the feasibility of selling advertising in County parking garages.

▶ Worked closely with the Friendship Heights Transportation Management District Advisory Committee to implement their recommendation to install meters for on-street parking along several streets in this highly urbanized area.

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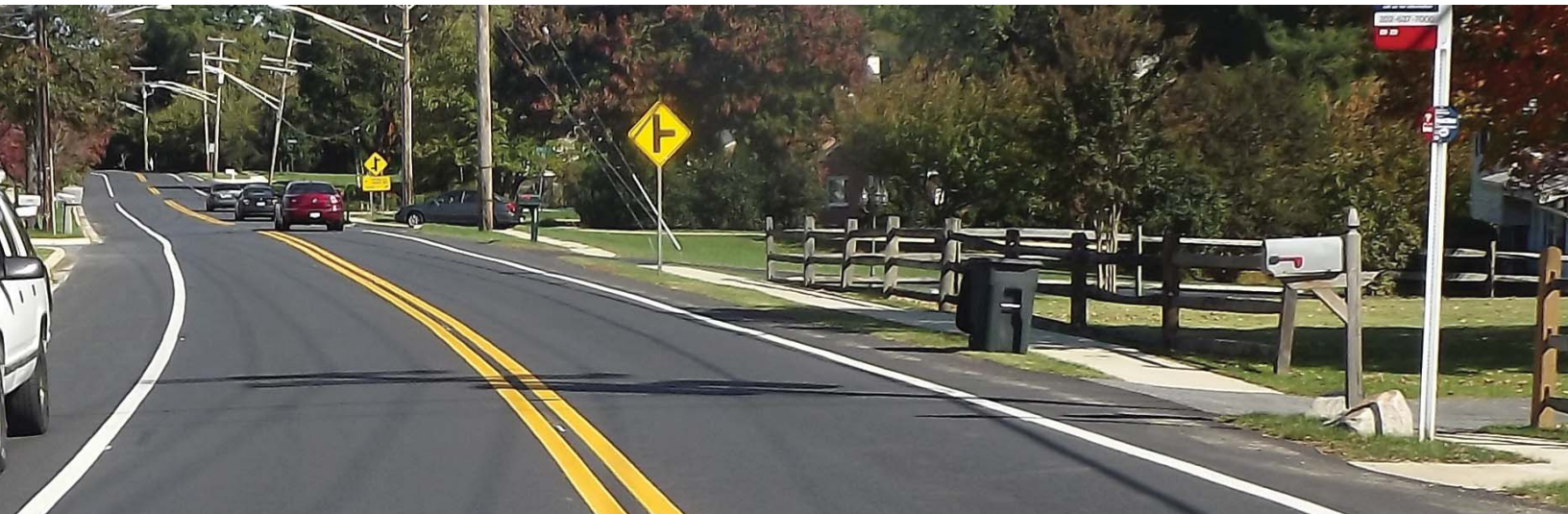
MCDOT is focused on providing excellent service by keeping our roads, bridges, sidewalks, bikeways and other facilities in good repair. We are dedicated to keeping our transportation and neighborhood infrastructure safe, sound and reliable to ensure that everyone -- pedestrians, transit-users, bicyclists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

ACCOMPLISHMENTS

▶ 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.

▶ Cleared 5,200 lane miles of County roads and 40 miles of bike and pedestrian trails of nearly 50 inches of snow and ice from 27 storms, including 12 multi-day storms.

▶ Saved the County nearly $1 million by negotiating a cost-sharing agreement with the Washington Suburban Sanitary Commission to totally rebuild roads in poor condition in the Springbrook Forest neighborhood following WSSC water and sewer upgrades.

▶ Maintained 28,000 streetlights, installed 5,600 new streetlight lamps, repaired 7,200 outages within an average of seven days and replaced 439 streetlights.

▶ Began using a Road Weather Information System to monitor pavement conditions in four County locations with different microclimates so that Highway Services can customize its storm response.

▶ Completed the biennial pavement condition survey of 5,200 miles of County-owned roads and used the results to develop road maintenance and resurfacing schedules.

RESPOND, MAINTAIN AND IMPROVE

- Installed .75 miles of curbs and gutters and 2.1 miles of stormwater improvements for intersection projects that enhanced traffic flow.

- Completed 34 storm drain improvement projects and five outfall repair projects.

- Handled more than 20,500 MC311 resident requests for services, such as mowing, road repair or pothole repair, of which 95 percent were completed within five days.

- Retimed pedestrian signals to give pedestrians more time to cross at 52 intersections.

- Installed about three miles of ADA compliant bus stop curb ramps and sidewalk connectors at locations including Cashell Road between Emory and Bowie Mill roads; Quietwood Drive at Stone Mill Elementary School; and Seminary Road between Hale and Warren streets.

- Began installing a system to remotely control 140 school zone flashers, replaced traffic signal indicators at 30 intersections and changed 61 school flashers to LED lights.

- Fabricated and installed 7,700 traffic signs.

- Repainted 190 centerline miles of road markings, 790 crosswalks and 815 stop lines.

- Installed 2,683 linear feet of guardrails.

- Completed installing battery back-ups at 300 County-owned and 79 State-owned traffic signals.

- Replaced storm drain culverts on Kings Valley, Whites Ferry, Log House and New Bridge roads.

- Resurfaced park roads on Sligo Creek Parkway at Dennis Avenue, replaced culverts on Hillandale Road and Sligo Creek Parkway and added a bio-swale at Caroline Avenue and Leighton Avenue.

- Designed or constructed streetlight improvement projects for Old Georgetown Road, Fenton Street, Connecticut Avenue and East Gude Drive.

- Conducted a mock snow day and snow summit to prepare for winter storms.

- Began design to replace the Pennyfield Lock Road Bridge, Garrett Park Road Bridge over Rock Creek and the Beach Drive Bridge over Silver Creek.

INVESTED IN INFRASTRUCTURE

- Resurfaced 63 lane miles of primary/arterial roadways
- Resurfaced 270 lane miles of residential roads
- Repaired 87 miles of sidewalk
- Repaired 30 miles of curbs and gutters
- Repaired/installed 8.5 miles of sidewalk aprons
- Installed 830 ADA ramps

BRIDGES

To identify bridges in need of repair or replacement, MCDOT inspects 230 long span bridges (bridge spans are 20 feet or greater) at least once every two years and 170 short span bridges (bridge span is greater than six feet but less than 20 feet) every four years.

▶ Constructed the Spencer Court/ Donnybrook Road Pedestrian Bridge and Elmhirst Parkway Bridge.

▶ Completed joint repairs and rehabilitation of 10 bridges at the following locations: Sugarland Road over Dry Seneca Creek; eastbound Randolph Road over Rock Creek; Brookville Road over the CSX railroad; Fairland Road over Paint Branch; eastbound East Gude Drive over the CSX railroad and Metrorail; Indianola Drive over the CSX railroad and Metrorail; Shady Grove Road over the CSX railroad; Redland Road over the CSX railroad and Metrorail; Lake Terrace over the I-270 Spur; and Beach Drive over Rock Creek.

▶ Completed replacement of two bridges on Whites Ferry Road.

▶ Completed bridge repairs for 23 bridges, including major repairs to Turkey Foot Road, Quince Mill Road, Huntmaster Road, Brighton Dam Road, and Falls Road Pedestrian bridges, and the Boyds Railroad Pedestrian Underpass.

▶ Opened the Trolley Bridge on the MacArthur Boulevard Bike Path to pedestrians and bikers.

▶ Began construction of the Valley Road bridges over Booze Creek.

▶ Planned painting of 19 bridges.

▶ Began design to replace the Pennyfield Lock Road Bridge, Garrett Park Road Bridge over Rock Creek and the Beach Drive Bridge over Silver Creek.

PROMOTE SMART GROWTH AND TRANSPORTATION ALTERNATIVES

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.

SMART GROWTH AND OTHER DEVELOPMENT

▶ Continued managing the Wheaton Redevelopment project that will construct a town square and a new headquarters for The Maryland-National Capital Park and Planning Commission and several County departments.

▶ Continued to oversee a study of Transportation Demand Management approaches and options for the White Flint Sector Plan area to achieve non-auto transportation goals.

▶ Continued planning for White Flint District East, which includes three new roads and one new bridge to enhance connections and create a street grid.

▶ Continued engineering, utility design and right-of-way acquisition for White Flint District West Phase 1 and engineering, utility design and land acquisition for White Flint District West Phase 2 to construct pedestrian, bicycle and road improvements.

▶ Expanded the Greater Shady Grove Transportation Management District database to include more than 300 employers and 300,000 employees. Created an Advisory Committee and nominated 14 business and civic representatives as members.

▶ Began working with the County Council on creation of a White Oak Transportation Management District.

▶ Issued a request for development proposals for Parking Lot 43 in Bethesda and selected a developer to build a mixed use project that includes residential units, of which 20 percent will be affordable, commercial and retail space and underground parking.

▶ Completed 10 Traffic Mitigation Agreements for 700,000 square feet of commercial development and 2,000 multi-family residential units. These agreements incorporate strategies to promote transportation options other than driving alone. Most agreements also include some provision for expanding the County's Bikeshare network.

REDUCED CONGESTION AND PROMOTED ALTERNATIVES

▸ Operated 51 Bikeshare stations, with more planned. Exceeded participation estimates for Bikeshare's first year in Montgomery County.

▸ Using grant funding, conducted a pilot program to entice more than 200 low-income participants to use Bikeshare by offering free memberships, helmets and cycling classes. Conducted an extensive outreach effort in English and Spanish to inform residents about the program, which MCDOT is continuing as MC Liberty.

▸ Partnered with the Washington Area Bicyclists Association to sponsor nine low-cost bike safety training classes, which were free to low-income MC Liberty participants.

▸ Designed or constructed intersection and spot improvements to enhance safety and ease traffic flow at Sam Eig Highway between Great Seneca Highway and Diamondback Road; Sangamore Road at MacArthur Boulevard; Seven Locks Road at Democracy Boulevard; Shady Grove Road at Mid County Highway; Seven Locks Road at Tuckerman Lane; Tuckerman Lane at Rockville Pike; Connecticut Avenue at Randolph Road; and Tuckerman Lane at Old Georgetown Road.

▸ Reviewed signal timings for 89 signals along various corridors to improve traffic flow and reduce congestion.

▸ Conducted outreach to promote alternatives to driving alone in all five Transportation Management districts.

▸ Used a grant from the Metropolitan Council of Governments to provide free, consulting services to employers to help them put telework programs in place.

▸ Held the annual Walk & Ride Challenge to promote walking and transit use among employees. Participants included more than 200 teams with about 900 members representing more than 80 individual employers.

▸ Opened a TRiPS store in the new Paul S. Sarbanes Transit Center in downtown Silver Spring that offers a one-stop shop for purchasing SmarTrip cards; loading value onto cards (including most passes); obtaining a wide range of transit, carpooling and cycling information; getting County and other regional maps; and obtaining information on events and destinations throughout the County.

▸ Conducted a pilot project to provide busing for six private schools to determine whether significant traffic congestion reductions could be achieved.

ENHANCE ENVIRONMENTAL QUALITY

MCDOT's goal is to move people and connect places in an environmentally-friendly and sensitive way that emphasizes sustainability and reduces the impact of the County's actions on the environment.

ACCOMPLISHMENTS

▶ Used a Pepco incentive program to fully fund $241,000 worth of energy efficient LED light fixtures in the Woodmont Garage in Bethesda that will save about $156,000 a year in electricity costs.

▶ Installed three electric vehicle (EV) charging stations in the Bethesda Capital Crescent Garage with the capacity to charge six vehicles at once. These stations are the first in MCDOT's plan to add EV stations to 24 County parking garages and lots.

IMPROVE WATER QUALITY

- ▶ Swept more than 4,000 lane miles of roads, focusing on sensitive watershed areas, collecting nearly 925 tons of debris that did not wash into County waterways.

- ▶ Used vacuum trucks to collect about 150,000 cubic yards of leaves for composting.

- ▶ Collaborated with the Department of Environmental Protection on the Dennis Avenue Area and Sligo Park Hills Green Streets projects to improve the quality of the Sligo Creek Watershed. The project added rain gardens and other on-site stormwater management features in the right-of-way.

- ▶ Recruited and managed volunteers who keep 415 road segments litter free under the Adopt a Road program.

- ▶ Supported Keep Montgomery County Clean and Green volunteers and sponsored an annual awards program to recognize landscaping projects that incorporate environmentally sensitive designs.

- ▶ Sponsored a Neighborhood Beautification Grant Program that provides matching funds to groups that install plantings and conduct clean ups to enhance the appearance of their community.

- ▶ Collected 421 tons of trash from bus stops, keeping this waste out of storm drains.

ENHANCE AIR QUALITY AND ENERGY EFFICIENCY AND REDUCE WASTE

- ▶ Improved the health, diversity and expanse of the County's tree canopy of 500,000 street trees; planted more than 1,000 new ones; pruned more than 5,200 trees in 41 communities; removed 1,830 dead or diseased trees; and removed 2,400 tree stumps.

- ▶ Installed more than 150 new LED lights in streetlights and traffic signals throughout the County.

- ▶ Provided 14 car sharing parking spaces in County garages in Bethesda and Silver Spring.

- ▶ Ordered new bike racks so that all County-owned garages have them.

- ▶ Earned reforestation credits toward roadway projects by initiating acquisition of 100 acres of forested land.

- ▶ Reduced waste by switching to reusable neighborhood signs to inform residents about their leaf collection days and created an online system to provide daily updates about crew schedules.

USE TECHNOLOGY TO IMPROVE SERVICES AND CUT COSTS
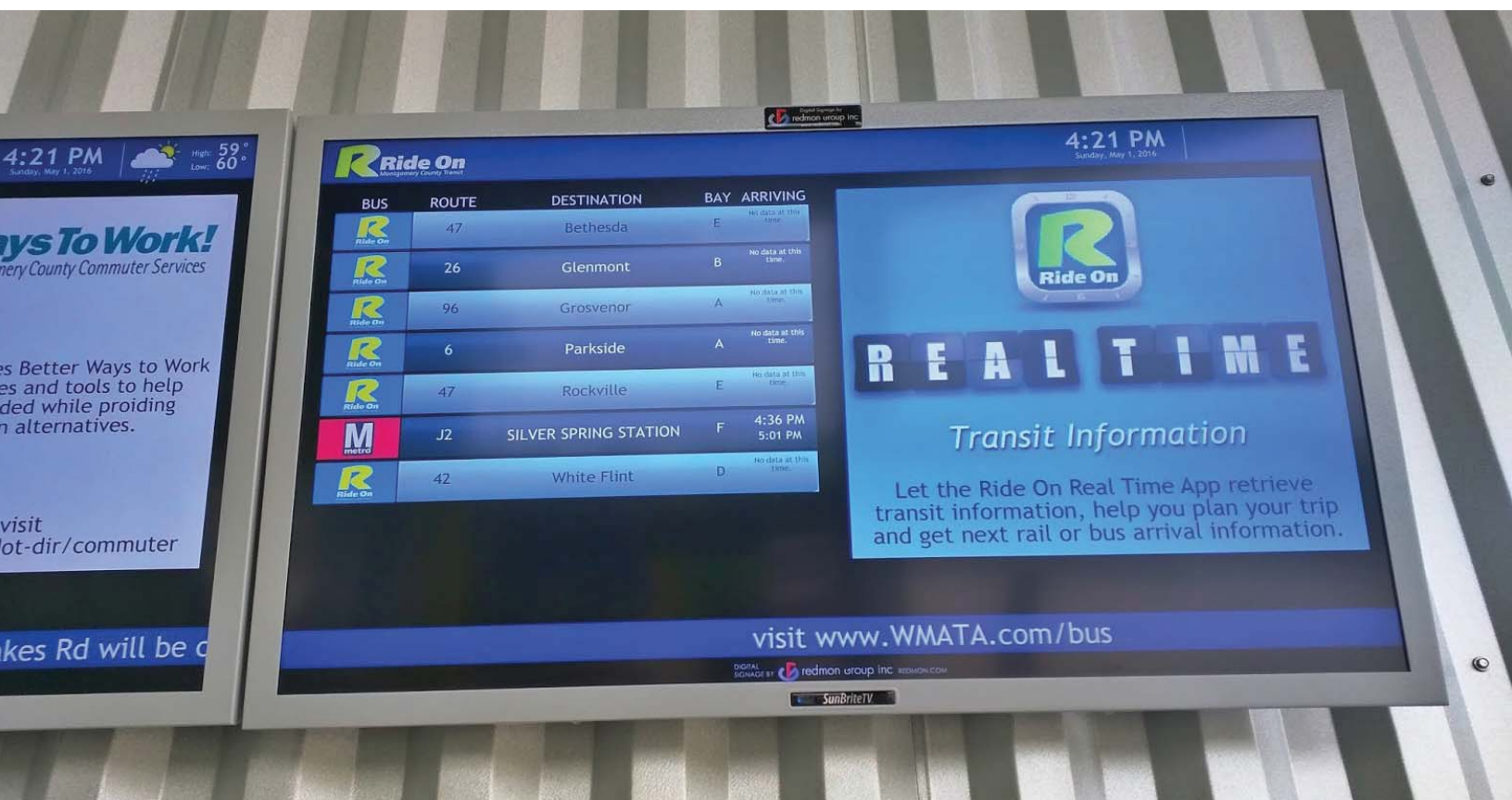
MCDOT is embracing technology and innovation because many aspects of our transportation system can benefit from new and emerging technologies to improve traveler information, services, choice and convenience.

ACCOMPLISHMENTS

▶ Nearly completed development of the Agency Project Coordination (APC) tool, a database that helps MCDOT avoid conflicts by coordinating activities on projects planned in the public right-of-way. Participants include Pepco, the Washington Suburban Sanitary Commission, Washington Gas Light, Prince George's County and other municipalities.

▶ Greatly increased MCDOT's pre-storm preparation and planning abilities by using Earth Networks in the Storm Operations Center to track weather systems.

▶ Launched a redesigned website for the Division of Parking Services that features information on parking rates and hours, how to pay a parking violation, available permits, maps, the locations of

parking garages and lots and an alphabetical list of services to help customers find what they need quickly.

▶ Installed wireless technology in Silver Spring's Wayne Avenue and Town Square parking garages and in the Capital Crescent Garage in Bethesda to track the number of available parking spaces on each garage level. The information is displayed outside every garage entrance, on each floor, and online in real time on the County's website. This system cuts air pollution by reducing time spent driving and idling during searches for parking.

▶ Began installing transit screens in public buildings that provide real time information about transportation options near a particular location.

▶ Installed nine, real time bus shelter signs that display customized information about when the next Ride On and Metro buses will arrive at that location and allows riders to trace their bus's progress on a map.

▶ Introduced several new features to the online Storm Operations Center, including a new, more stable, platform; expanded mobile device support; and the ability to accept road incident service requests from homes not on County maintained roads, including roads maintained by the State Highway Administration.

REACHING OUT TO THE COMMUNITY

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

ACCOMPLISHMENTS

▶ Sent 183,000 newsletters to residents to inform them about 110 neighborhood improvement projects.

▶ Participated in the inaugural County GreenFest, a celebration of the environment and promotion of environmental stewardship.

▶ Used social media to inform the public about the Division of Highway Services' programs, resulting in 1.8 million Twitter views, 15,000 Facebook views and 1,000 YouTube page views.

▶ Used social media to inform the public about Transit Services and Ride On, resulting in 1.24 million reached on Twitter and nearly 80,000 on Facebook.

▶ Supported 1,500 Car Free Day participants and conducted outreach to encourage use of transportation alternatives.

▶ Celebrated National "Dump the Pump" Day by providing information to rush hour commuters about non-auto travel options and the guaranteed ride home program for transit users.

▶ Sponsored four pit stops on Bike to Work Day that attracted more than 1,800 participants.

- Sponsored the annual week-long Give and Ride program to help needy families, collecting 8,767 pounds of food and baby supplies for Manna Food Center. Riders who donated an item received a free bus ride in exchange.
- Celebrated Walk to School Day at Bells Mill Elementary School in Potomac and promoted Halloween safety.
- Participated in Bike to College Day at Montgomery College by promoting non-auto transportation options to faculty, staff and students.
- Created videos in both English and Spanish showing how to easily combine Bikeshare and transit.
- Held a Lunch and Learn session in Friendship Heights to educate 40 employer representatives about transit benefits and telework.
- Encouraged young people to try Ride On by sponsoring a teen video contest.
- Partnered with the Jewish Council for the Aging in the "Ride Smart" travel training program for seniors that provides instruction on using public transportation and taking advantage of free and discounted travel options.
- In cooperation with the Montgomery County Department of Health and Human Services, promoted transportation programs for seniors and persons with disabilities by advertising on Ride On buses and in bus shelters; distributing 10,000 flyers at County and assisted living facilities; and making presentations to seniors, their families and caregivers.
- Expanded Connect-A-Ride services for seniors to include counseling about retiring from driving.
- Joined the region in celebrating Capital Bikeshare's fifth birthday.
- Sent monthly e-newsletters about transportation options to more than 4,000 businesses and organizations.
- Used transit ads to encourage pedestrians and drivers to be more aware of each other and avoid distracted walking/driving.
- Conducted pedestrian safety assemblies and activities for one-third of the County's public high schools.
- Conducted bike rodeos for 2,500 students.
- Partnered with Arts on the Block to sponsor 16 teens who created 20 mosaic kneewalls at Ride On bus stops.
- Held a Stand Up 4 Transportation Day event with federal, state and local officials to promote more Federal and State transportation funding.
- Held seven public hearings on plans to build new sidewalks.

FY15 BY THE NUMBERS

BIKES AND PEDESTRIANS

Crosswalks painted	790
Safe Routes to School safety evaluations conducted	20
Students trained in bike safety at bike rodeos	2,500
Intersections upgraded with Accessible Pedestrian Signals	12
Reduction in pedestrian collisions within a quarter mile of a school following Safe Routes to School improvements	80%
Schools inventoried to evaluate school zone and school-related parking restriction signs	167
Bus stops compliant with ADA standards	4,845
Bikeshare stations in Montgomery County	51
Miles of new sidewalk constructed	5
Miles of sidewalk repaired	87
Number of road segments where sharrows (bicycle shared lane pavement marking) were installed	22
Number of intersections where pedestrian signals were retimed to allow more time for crossing	52

BRIDGES AND STORM DRAINS

Bridge renovations completed	23
Bridge renovations underway	8
Number of bridges rehabilitated	11
Scour prone bridges inspected	162
Bridges and box culverts maintained	355
Number of storm drain repair projects completed	34

PARKING

Public parking spaces in new Capital Crescent Garage	960
Number of electric vehicles that can be charged in County garages (with plans to expand to 24 facilities)	6
Projected yearly energy cost savings resulting from installation of LED lights in the Woodmont Garage	$156,000

LEAVES AND TREES

Cubic yards of leaves collected for composting	150,000
Estimated number of street trees maintained by the County	500,000
Tree inspections completed	20,155
Trees pruned	5,200
Dead or diseased trees removed	1,830
Trees planted	1,000
Tree stumps removed	2,400
Foliage work orders handled	2,639
Number of households reached by a mailed newsletter explaining how to prepare and store leaves for vacuum collection	78,000

ROAD MAINTENANCE

Responses to snow, ice and sleet storms	27
Average inches of snow removed throughout County	47
Tons of salt used during record winter season	87,000
Miles of bicycle/pedestrian trails cleared of snow	40
Lane miles of primary/arterial roads maintained	1,000
Lane miles of residential/rural roads maintained	4,200
Miles of curbs and gutters maintained	2,000
Miles of curbs and gutters repaired	30
Lane miles of residential/rural roads resurfaced	270
Lane miles of primary/arterial roads resurfaced	63
Lane miles of residential/rural roads permanently patched	173
Lane miles of roads rehabilitated	18
Lane miles of roads swept	4,000
Tons of street sweeping road debris removed	925
Miles of curbs and gutters replaced	30
Direct mail notifications about resurfacing and road projects sent to 110 neighborhoods	183,000
Linear feet of storm drain culverts replaced	692
Linear feet of storm drains cleaned	31,180
Tons of pollutants removed from storm drains	345
Number of potholes filled	2,000
Acres of right-of-way mowed 11 times	1,160
People reached by Highway Services' Twitter	1.8 million
People reached by Highway Services' Facebook	15,000
Road segments maintained by Adopt a Road volunteers	415

Miles of sidewalk aprons repaired/installed	8.5
Number of ADA sidewalk ramps installed	830

STREET IMPROVEMENTS

Number of streetlights maintained	28,000
Money received in LED rebates	$51,000
New streetlights evaluated and authorized	133
Number of cost proposals for new streetlights reviewed and approved	435
Streetlight lamps replaced	5,600
Streetlight outages repaired	7,200
Streetlights replaced	439
Streetlight poles painted	122
Streetlight poles tagged	339

TRAFFIC IMPROVEMENTS

Average number of days between report of traffic signal problem and repair	7
Traffic light outages processed and fixed	7,200
Intersections changed to new LED traffic lights	30
Number of school flashers upgraded with remote control monitoring	140
Traffic signs fabricated and installed	7,700
Traffic emergencies managed	244
Events for which traffic control was provided	19
Guardrail end treatments installed	53
Uninterruptible back-up power supplies activated at County and State traffic signals	35
Linear feet of guardrail installed	2,683
School flasher units changed to LED	61
Intersections where traffic signals were retimed in Wheaton, Kensington, Old Georgetown Rd, Montgomery Mall area, and Gaithersburg	89
Miles of centerline pavement markings repainted	190
Number of crosswalks restriped	790
Miles of stop lines painted	815
Traffic studies conducted	832

Traffic work orders completed	2,136
Traffic control plans reviewed and approved	1,229
Traffic lights converted to LED lights	110
Miles of raised pavement markers installed	20
Number of emergency and incident responses	227

COMMUTER SERVICES

New employers added to the Commuter Services database	260
Commuter Services meetings and presentations made to employers	393
Individual follow-up contacts to employers already in the Commuter Services database	5,168
Number of contacts to employers made by Commuter Services	101,015
Annual Commuter Surveys returned	12,000
New employers using transportation control measures to promote alternatives to driving alone	101
Number of traffic mitigation agreements completed for 700,000 square feet of commercial development and 2,000 multi-family residential units	10

TRANSIT

Number of bus stops improved by MCDOT's eight-year Bus Stop Improvement Plan	3,034
Number of annual Ride On passengers	26 million
Number of Ride On daily boardings	88,000
Number of trips provided to persons with disabilities and low income Call-N-Ride participants	122,800
Monthly trips provided through special Medicaid and senior transportation programs	16,000
Pounds of food collected during Give and Ride campaign	8,767
People reached by Ride On's Twitter	1.24 million
People reached by Ride On's Facebook	80,000
Number of onboard Title VI Ride On surveys completed	10,800
Number of Call-N-Ride participants	5,163
New Call-N-Ride participants recruited	148
People served by Connect-A-Ride	3,124
Number of Ride On buses	343
Number of Ride On bus routes	78
Percentage of Ride On buses that are cleaner or use alternative fuels	76%
Linear feet of sidewalk installed to complete paths to bus stops	2,323
Square feet of concrete pads installed at bus stops	3,190
Number of knee walls installed at bus stops to improve safety for wheelchair users	11
Tons of trash removed from bus shelters and transit centers	421

We love our riders.

40

ANNIVERSA

1975-2015

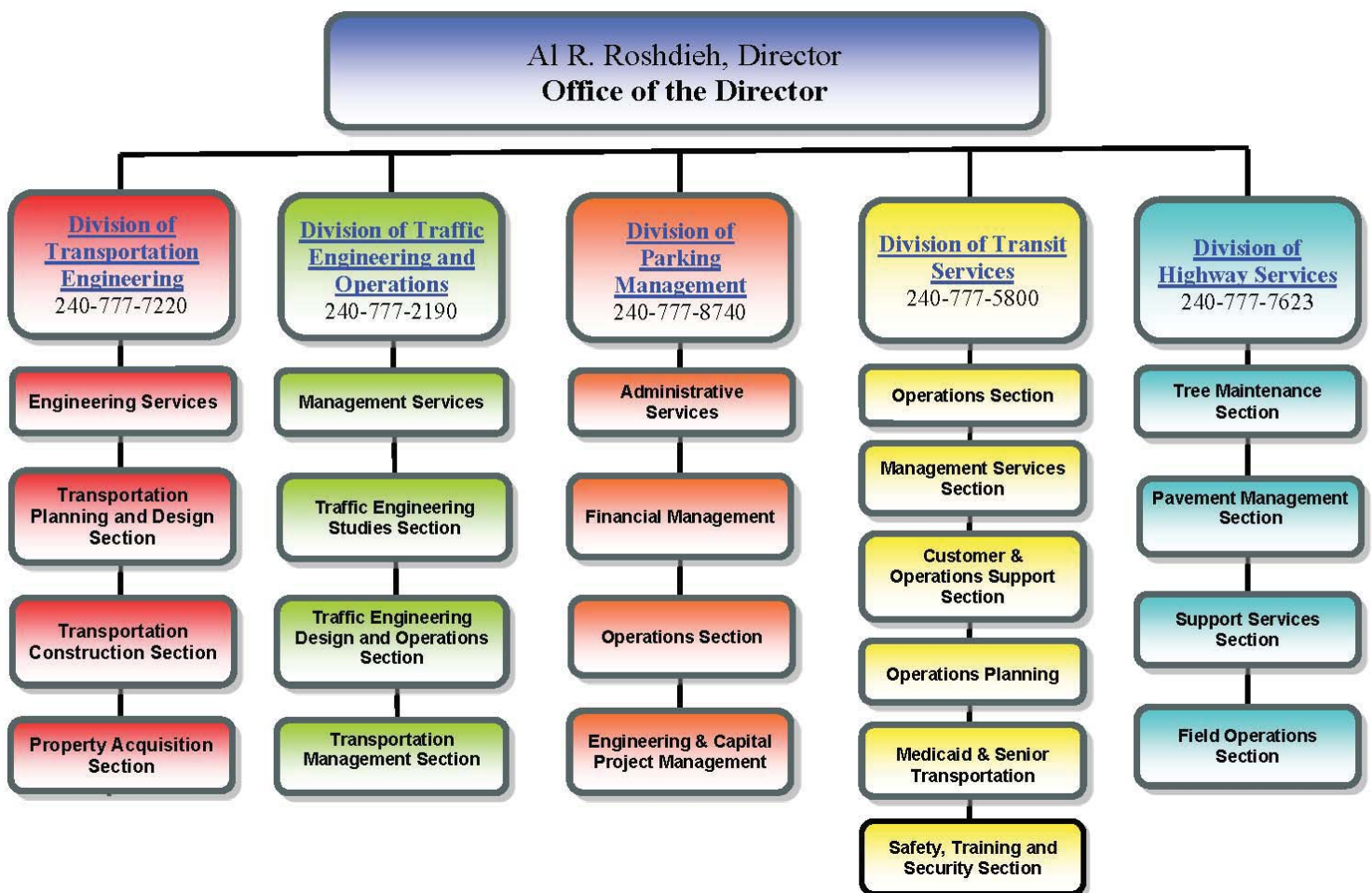Our operators are the best. ★

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240-777-7433

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 the very best transportation network possible for our community.

MONTGOMERY COUNTY DEPARTMENT OF TRANSPORTATION (MCDOT)

Al R. Roshdieh, Director
Office of the Director

Division of Transportation Engineering
240-777-7220
- Engineering Services
- Transportation Planning and Design Section
- Transportation Construction Section
- Property Acquisition Section

Division of Traffic Engineering and Operations
240-777-2190
- Management Services
- Traffic Engineering Studies Section
- Traffic Engineering Design and Operations Section
- Transportation Management Section

Division of Parking Management
240-777-8740
- Administrative Services
- Financial Management
- Operations Section
- Engineering & Capital Project Management

Division of Transit Services
240-777-5800
- Operations Section
- Management Services Section
- Customer & Operations Support Section
- Operations Planning
- Medicaid & Senior Transportation
- Safety, Training and Security Section

Division of Highway Services
240-777-7623
- Tree Maintenance Section
- Pavement Management Section
- Support Services Section
- Field Operations Section

MCDOT'S ORGANIZATION

The Director's Office manages transportation policy that includes 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.

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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