

December 2018

McHenry County

Division of Transportation

www.mchenrycountydor.org



Annual Report

16111 Nelson Road
Woodstock, IL 60098
(815) 334-4960



Vision

The McHenry County Division of Transportation (MCDOT) promotes responsible public policy and ethical and high quality services, and is dedicated to providing enhanced mobility while promoting a safe and efficient transportation system.

Letter from the County Engineer

For more than a century, the Division of Transportation's talented and dedicated employees have strived to improve the roads and bridges on which McHenry County drivers rely. Within this Annual Report, you will learn how the MCDOT operates, our highlights for 2018, our goals for 2019, and information on our Fiscal Year 2019 budget. Our operations begin with our four primary service areas:

- Planning*
- Design*
- Construction*
- Maintenance*

We hope you find this Annual Report informative, and that it easily and transparently illustrates everything we do, every day, for McHenry County, from the commuters getting to work to the farmers and manufacturers getting their goods to market.

Very truly yours,

Joseph R. Korpalski, Jr., P.E.

Director of Transportation/County Engineer





DESIGN



Design Manager
Benjamin A. Redding,
P.E., ENV SP

The Design Section oversees the design of all new MCDOT projects. It works closely with our planning, construction, and maintenance sections, as well as with consultants and outside agencies. The Design Section identifies both new projects, and the rehabilitation of existing infrastructure, and shepherds them through the design and permitting phases.

Engineering

Engineering staff oversees the engineering for all road and bridge improvement projects on County Highways. This includes managing consultants and plan reviews. The design team has Licensed Professional Engineers, and can perform in-house design for smaller projects that can be built by the MCDOT's Maintenance Section or put out to bid for contractors.



Permitting/Traffic Ops

Permitting staff is responsible for plan review and issuing permits for construction on County roads and rights-of-way, such as driveway access and utility installation. Traffic Operations staff determine signage and striping requirements for County and township highways; coordinate sign and striping installation and maintenance; and conduct traffic counts and speed studies to determine if increased signage and speed limit reductions are warranted.



2019 Goals

- Start Phase I preliminary engineering on four township bridge rehabilitation projects (Allendale, Bunker Hill, Paulson, and West Solon roads).
- Finish Phase I engineering on the Bull Valley Bicycle and Pedestrian Project, and six County and township bridge rehabilitation projects (Hunter, Johnson, Kishwaukee Valley, Millstream, Thayer and White Oaks roads), the Lakewood Road corridor project, and the Walkup Road/Crystal Lake Road Flashing Yellow Arrow Safety Improvement Program.
- Finish Phase II engineering on the Algonquin Road Flashing Yellow Arrow project.



CONSTRUCTION



Construction Manager
James Werner, P.E.

The Construction Section oversees all MCDOT construction projects, some township paving projects, and also coordinates with all 17 of McHenry County's township highway commissioners.

2019 Goals

Start and/or complete construction on the following projects:

- Randall Road between Harnish Drive and Acorn Lane, including the intersection of Randall and Algonquin roads.
- Deerpass Road bridge over the Kishwaukee River.
- Safety improvements at intersections along Algonquin Road, and at the intersection of Wilmot Road and Main Street.
- Mill and resurface about 38 miles of County highway, and crack seal about 18 miles.



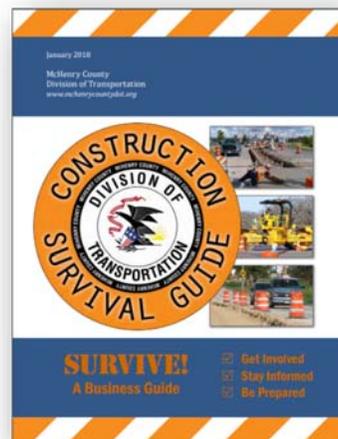
Rebuilding the Bay Road Bridge



Repaving Country Club Road



Preparing the River/Dowell Roundabout for opening



MCDOT Construction Survival Guide

This year, we revised and improved our Road Construction Survival Guide to help business owners and commuters overcome the typical obstacles that accompany road improvement projects. MCDOT is committed to informing the public when construction takes place, and updating them of any changes.



MAINTENANCE



Maintenance
Superintendent
Ed Markison

The Maintenance Section is responsible for maintaining the 550 lane miles for which MCDOT is responsible. It consists of four subsections: Road Section, Fleet Maintenance, Vegetation Section and the Sign Section.



The **Road** Section is responsible for preventative maintenance on county roads, including potholes, crack sealing, patching and shoulder grading.



The **Sign** Section is responsible for all 10,000 signs owned by MCDOT.



Fleet Maintenance is responsible for preventive maintenance and repairs of MCDOT's fleet of vehicles.



The **Vegetation** Crew handles all mowing and tree trimming within County rights-of-way.



Winter Weather Operations

The entire 36-member Maintenance Section focuses on keeping County Highways free of snow and ice during winter weather events.



PUBLIC OUTREACH

MCDOT reaches out to the public to let them learn more about us whenever possible. Through this effort, MCDOT is able to help people learn about the past, present, and future of their County Highways.

2018 Highlights

- Aggressively reached out to the public through social media, online polls, and in-person visits to gather feedback to update the McHenry County Transit Plan.
- Hosted visiting groups to tour the MCDOT facility and learn about maintenance operations and sustainability, including Loyola University Ecology Students and Walworth County, Wisconsin, Public Works.
- Improved MCDOT's construction website.
- Updated and simplified the Construction Survival Guide.



Brochures and door hangers are used by MCDOT to inform the public on upcoming work and ongoing projects.



Social Media

MCDOT regularly updates its Facebook page to inform the public, not only about construction project updates, but also who we are and how we get the most out of their hard-earned taxpayer dollars.



Events

MCDOT hosts a variety of events each year, from public hearings to school group tours, in order to educate the public about what the Division of Transportation does.



ADOPT A HIGHWAY



The McHenry County Adopt-A-Highway program is a volunteer effort to help keep our County highways clean. Started in 1995, the MCDOT now has 159 groups enrolled, picking up trash along 158 centerline miles of County highways.

These volunteers free up our workers for other duties, saving the taxpayers money. Thank you for your selfless service!



LAND ACQUISITION

McHenry County needs land in order to fulfill its basic responsibilities to its citizens, which includes building new roads, improving existing roads, and building and expanding public facilities. If it could not acquire private property, the County would be unable to fulfill these fundamental responsibilities.

When new highways are built, or existing highways improved, MCDOT may have to acquire additional right-of-way. Although every effort is made to avoid displacing land owners, MCDOT pays just compensation, plus relocation costs if applicable, to individuals, families and business that have private property acquired for public purposes.





HIGHLIGHTS

2018 Highlights

Design and Planning

Started or continued engineering on the following projects:

- Hunter Road Bridge
- Johnson Road Bridge
- Millstream Road Bridges
- Thayer Road Bridge
- White Oaks Road Bridge
- Ackman Road corridor safety project
- Lakewood Road corridor streets project

Completed engineering on the following projects:

- Randall Road improvement
- I-90/IL Route 23 interchange
- U.S. Route 14/Virginia Road signal improvement
- Algonquin & Wilmot Roads intersection safety

Planning projects:

- Completed the 2019-2023 Five-Year Transportation Program.
- Updated the McHenry County Transit Plan.
- Helped the Chicago Metropolitan Agency for Planning complete the region's ON TO 2050 Plan.

Construction

Completed the following projects:

- River/Dowell Road Roundabout
- Bay Road Bridge
- Chapel Hill Road Bridge
- Oak Grove Road Bridge

The pavement preservation program resurfaced 27 lane miles and performed crack sealing on 33 lane miles of County highways.

Maintenance

Winter Maintenance continued the trend of reducing salt usage. MCDOT used more than half a million gallons of liquid in its winter operations to improve service and the environment.

Continued to craft a plan to address regional salt storage issues.

Received our first participant in the Living Snow Fence program.

Finished the second year of our Multi-Municipal Procurement program, which saves money by bidding jointly with local governments.



Chapel Hill Road Bridge Repair



River/Dowell Road
Roundabout

Bay Road Bridge
Repair



Work Begins on
Randall Road
Corridor
Improvement

Visit
www.RandallRoad.info
to learn more



TRANSPORTATION PLANNING



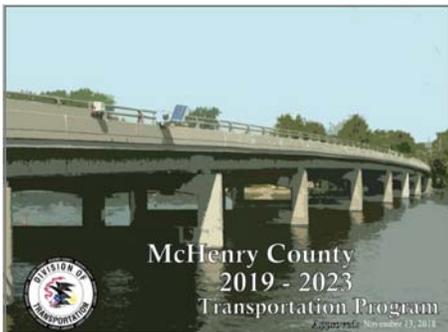
Principal Transportation
Planner
Scott Hennings

2040 Long Range Transportation Plan

This plan has been developed by the McHenry County Division of Transportation, with guidance provided by the McHenry County Board Transportation Committee. The County is required by State law to periodically update its long range transportation plan to best manage the use of transportation funds. The Plan's goals are to mitigate traffic congestion, increase transportation safety, provide mobility for all residents, increase transportation



Five Year Transportation Plan



The McHenry County 2019-2023 Five Year Transportation Program is a financial and planning tool required by State law to assist with the development of the annual budget in a manner consistent with the County's transportation and strategic plans. The program includes information to better coordinate and leverage the annual appropriations of Federal and State monies administered by the Metropolitan Planning Organization and the Illinois Department of Transportation. It contains a list of major improvements anticipated within the next five years, an estimate of revenues that will become available during that period, and shows the work the County intends to undertake with respect to planning, design, construction, and maintenance.

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Transit Plan Update

The Division of Transportation worked throughout 2018 to update the County's 2012 Transit Plan. The process involved aggressive public outreach through social media and public presentations to gather feedback on the current state of county mass transit and the demographics of its users. The update contains recommendations to improve service, address paratransit in underserved areas of the County, seek funding efficiencies and further integrate technology, and strategies to implement them.





POLICIES & ADMINISTRATION



Assistant County Engineer
Jeffrey Young, P.E.

MCDOT Administration

Our Administrative staff assists with MCDOT's many functions, as well as serves the public. We process more than 1,000 truck permits and 4,000 invoices annually. Our support staff also includes Geographical Information Systems (GIS) and Information Technology (IT) services. With the aid of Administrative staff, MCDOT is able to meet the growing needs of the public efficiently and effectively. Administration is under the supervision of the Assistant County Engineer.

Snow and Ice Policy

Sets MCDOT's winter weather response, as we are responsible for keeping County highways free of snow and ice for safe and reliable travel through the winter season.



Consultant Selection Policy

The MCDOT may request the services of engineering consultants to assist with projects. This policy outlines the qualification-based (QBS) selection process, in accordance with IDOT procedures.

Tree Planting and Replacement Policy

Outlines MCDOT's actions to minimize tree removal and to support efforts to enhance the roadside environment with trees.

Establishing Speed

Limits Policy

Specifies statutory speed limits on County highways. Speed studies are done periodically, based on requests received and county safety studies.



Access Management Ordinance

Access Management is a key component of the County Highway system that affects all its users. The proper management and operation of access to a highway is important to the safety of the traveling public and directly relates to the overall economic health and quality of life of McHenry County. Effective access management provides a balance between the need to move traffic safely and efficiently while still providing access to adjacent properties.





MCRIDE



MCRide, the county's dial-a-ride service, has made it easier for suburban commuters, people with disabilities, and people without reliable personal transportation, to get around in McHenry County. Its coverage area has steadily grown as more and more local governments realize its benefits and join the service.

This service receives a portion of its funding from the Federal Transit Administration of the U.S. Department of Transportation through grants administered by the Regional Transportation Authority. The program also is funded by Pace and the local partnering agencies.

MCRide User	Base fare for first 5 miles of trip (effective 2019)
General Public	\$3
Seniors (60+)	\$1.50
Person with a Disability	\$1.50
MCRide charges 25 cents per mile for each additional mile after the first five miles.	

MCRide Information

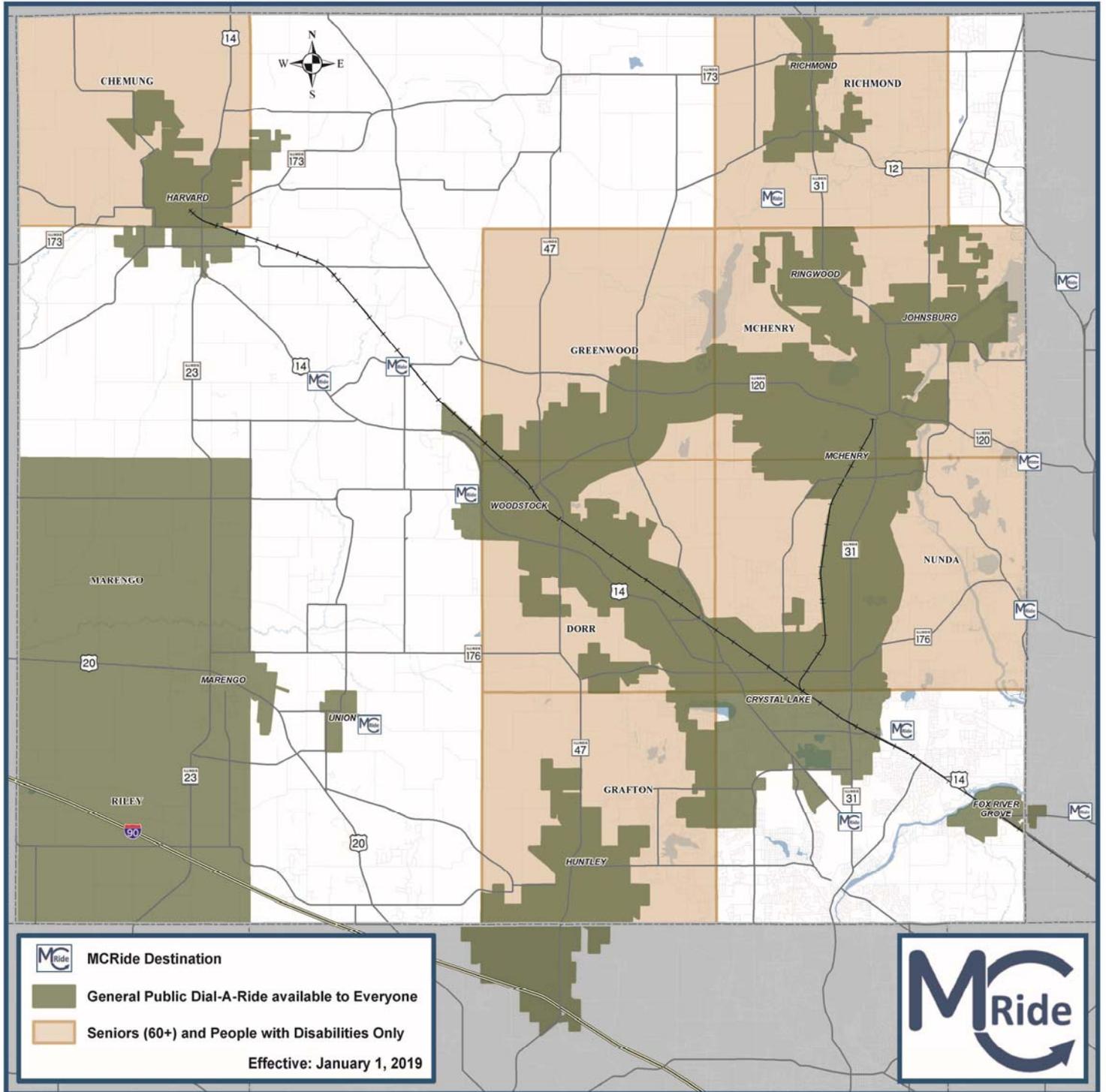
- Rides can be scheduled by calling 800-451-4599.
- Trip reservations should be made the day before you need a ride; however, you may be able to schedule a trip up to one hour before the pick-up time.
- Service hours are 6 a.m. to 7 p.m. on weekdays, and 9 a.m. to 5 p.m. on Saturdays. MCRide is adding Sunday service from 9 a.m. to 5 p.m., effective Jan. 1, 2019.
- MCRide has a distance-based fare structure of a quarter per mile after a small base fare that covers the first five miles.
- In 2017, MCRide provided 103,677 rides which equals about 332 rides per service day.



A passenger gets to his destination with MCRide.



MCRIDE SERVICE AREA



MCRide’s coverage area has steadily increased as more and more local governments see the value of helping residents travel. On Jan. 1, 2019, MCRide will add Sunday service, expand into Fox River Grove, and add three more point destinations outside its coverage area. Visit www.mchenrycountydor.org to learn more.



2018-2019 Budget Overview

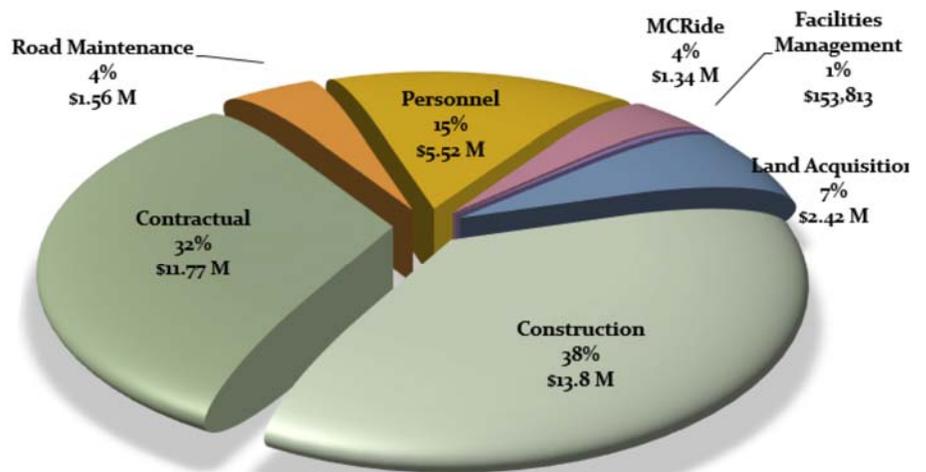
Where do the revenues come from?



MCDOT receives approximately \$29.8 million each year in revenues from these three major funding sources.

How are the funds spent?

For 2019, MCDOT has budgeted to spend approximately \$36.6 million. In addition to the annual revenues shown above, the additional funds come from cash reserves, local agency partners, and state and federal grants.



Quick Facts

- MCDOT is responsible for 225 centerline miles (550 lane miles) of rural, suburban and urban roadways within McHenry County.
- MCDOT serves 308,145 county residents, over 28,000 businesses and other travelers.



AWARDS & RECOGNITION

WBK engine

2014 APWA Project of the Year Award
 Category: Transportation
 Value: Less Than \$5 Million

FRANKLINVILLE CREEK BRIDGE REPLACEMENT

Franklinville Bridge
 2017 APWA Project of the Year
 Chicago Metro & Fox Valley Branch
 Transportation Less Than \$5 Million

ALGONQUIN WESTERN BYPASS

2015 PUBLIC WORKS PROJECT OF THE YEAR
 TRANSPORTATION - PROJECTS OF \$25 MILLION TO \$75 MILLION

Western Algonquin Bypass
 2015 APWA Project of the Year
 Chicago Metro & Fox Valley Branch
 Transportation \$25 to \$75 Million
 2014 ACEC
 Honor (highest) Award

2015 APWA Project of the Year Award Submitter
 \$25 - \$25 Million - Transportation

JOHNSBURG ROAD WIDENING & RECONSTRUCTION

Johnsburg Road
 2015 APWA Project of the Year
 Fox Valley Branch
 Transportation \$5 to \$25 Million
 2014 APWA Project of the Year
 Merit Award

2013 AWARD OF MERIT

IN RECOGNITION OF MANY YEARS OF DEDICATED SERVICE TO THE CHAPTER AND ASSOCIATION

Presented To
McHENRY COUNTY
 DIVISION OF TRANSPORTATION

By The Chapter President And Executive Committee

MCDOT
 2013 APWA Award of Merit
 Chicago Metro Chapter

Rakow Road

Rakow Road
 2014 APWA Project of the Year
 Chicago Metro and Fox Valley Branch
 Transportation \$25 to \$75 Million
 2014 ACEC
 Merit Award



2012 IPWMAN
 President Achievement Award
 Ed Markison
 Maintenance Superintendent



2008 IACE
 County Engineer of the Year
 Joe Korpalski
 County Engineer

2011 ITE
 Past President's Award
 Jeff Young
 Assistant County Engineer



IPWMAN—Illinois Public Works Mutual Aid Network
 IACE—Illinois Association of County Engineers
 ITE—Institute of Transportation Engineers
 ACEC—American Consulting Engineering Council
 APWA—American Public Works Association



MCDOT DIRECTORY

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Adopt-A-Highway
 Tom Anthony
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For General Questions

815-334-4960

Hours of Operation

**M-F 8:00 A.M. to 4:30 P.M.
 Closed Weekends and Holidays**

**16111 Nelson Road
 Woodstock, IL 60098**

www.McHenryCountyDOT.org

